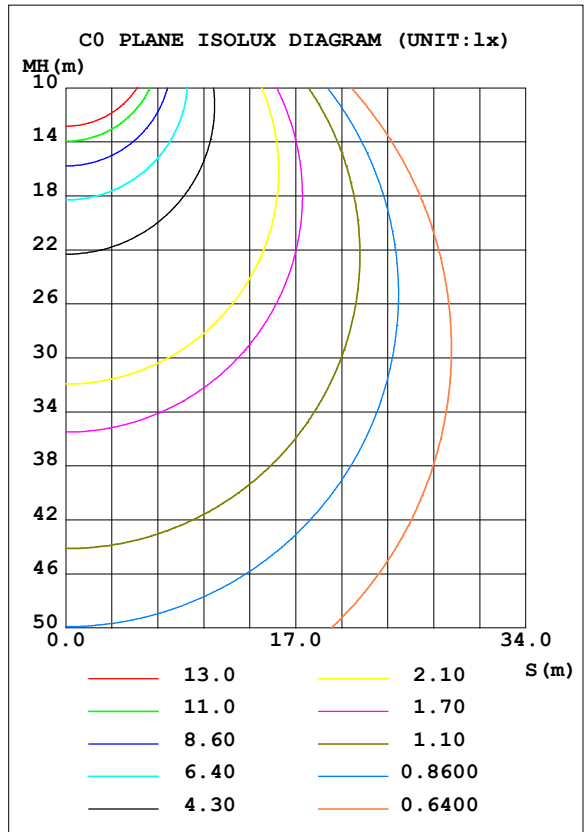
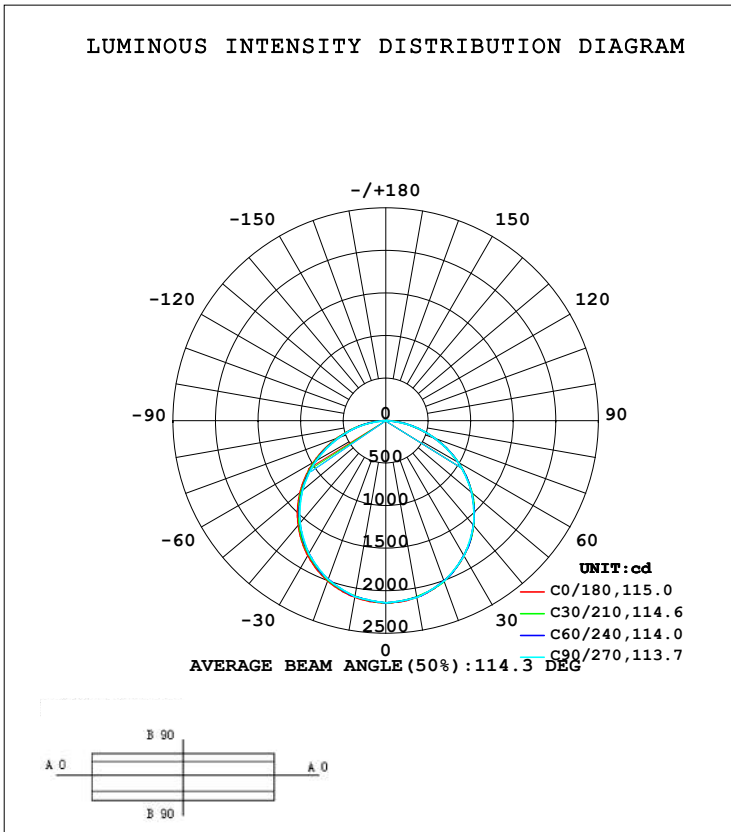


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.43V I:0.3994A P:47.750W PF:0.9929 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6205.84x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 5700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.97 lm/W			
MODEL	BPL2-1212X603-50W-P-TCP 5700K	I <sub>max</sub> (cd)	2141	S/MH (C0/180)	1.27
NOMINAL POWER (W)	50	LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	6205.8	η UP, DN (C0-180)	0.0, 50.4
NOMINAL FLUX (lm)	6205.84	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	1.35



H(β) Range: -90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-06-22

V(B) Range: -80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 7.200m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

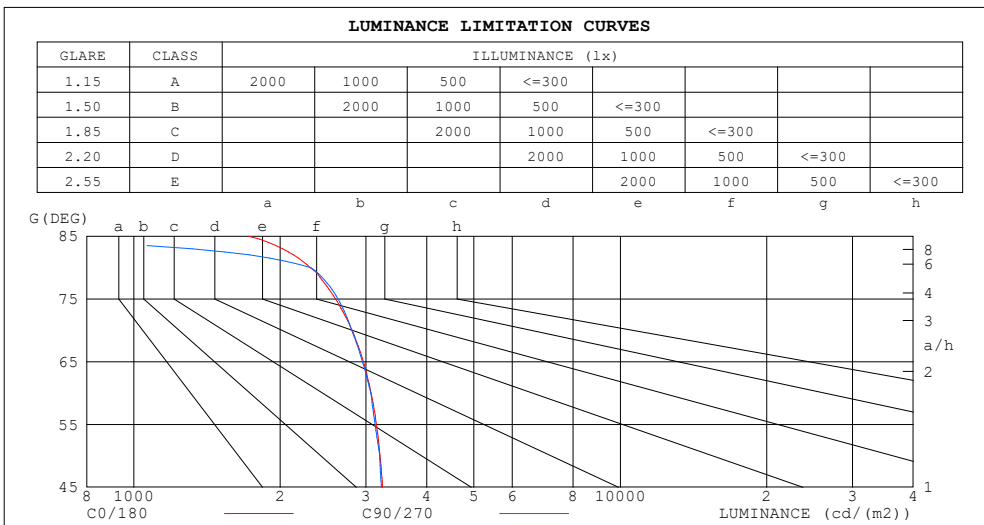
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	2107	2103	2111	2101	2106	2094	2100	2096	0- 10	202.1	202.1	3.26,3.26
20	2005	2001	2008	1998	2002	1983	1987	1986	10- 20	580.3	782.4	12.6,12.6
30	1836	1835	1837	1832	1833	1812	1809	1815	20- 30	883.6	1666	26.8,26.8
40	1606	1610	1605	1603	1602	1580	1571	1585	30- 40	1073	2739	44.1,44.1
50	1320	1323	1318	1319	1317	1295	1280	1297	40- 50	1122	3860	62.2,62.2
60	984.2	989.7	982.7	981.2	982.1	958.3	946.4	964.0	50- 60	1021	4882	78.7,78.7
70	615.2	619.8	614.0	614.8	613.7	595.4	581.3	597.5	60- 70	781.8	5663	91.3,91.3
80	256.3	266.7	257.0	261.9	252.1	248.7	231.7	251.8	70- 80	448.2	6112	98.5,98.5
90	7.253	0	0	0	6.507	0	0	0	80- 90	94.22	6206	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

$H(\beta)$  Range:-90 - 90DEG  
 $H(\beta)$  Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-06-22

$V(B)$  Range:-80 - 80DEG  
 $V(B)$  Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.200m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.43V I:0.3994A P:47.750W PF:0.9929 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6205.84x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 5700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1722	0
80	2307	2312
75	2598	2629
70	2810	2805
65	2964	2952
60	3076	3071
55	3153	3133
50	3208	3203
45	3247	3229

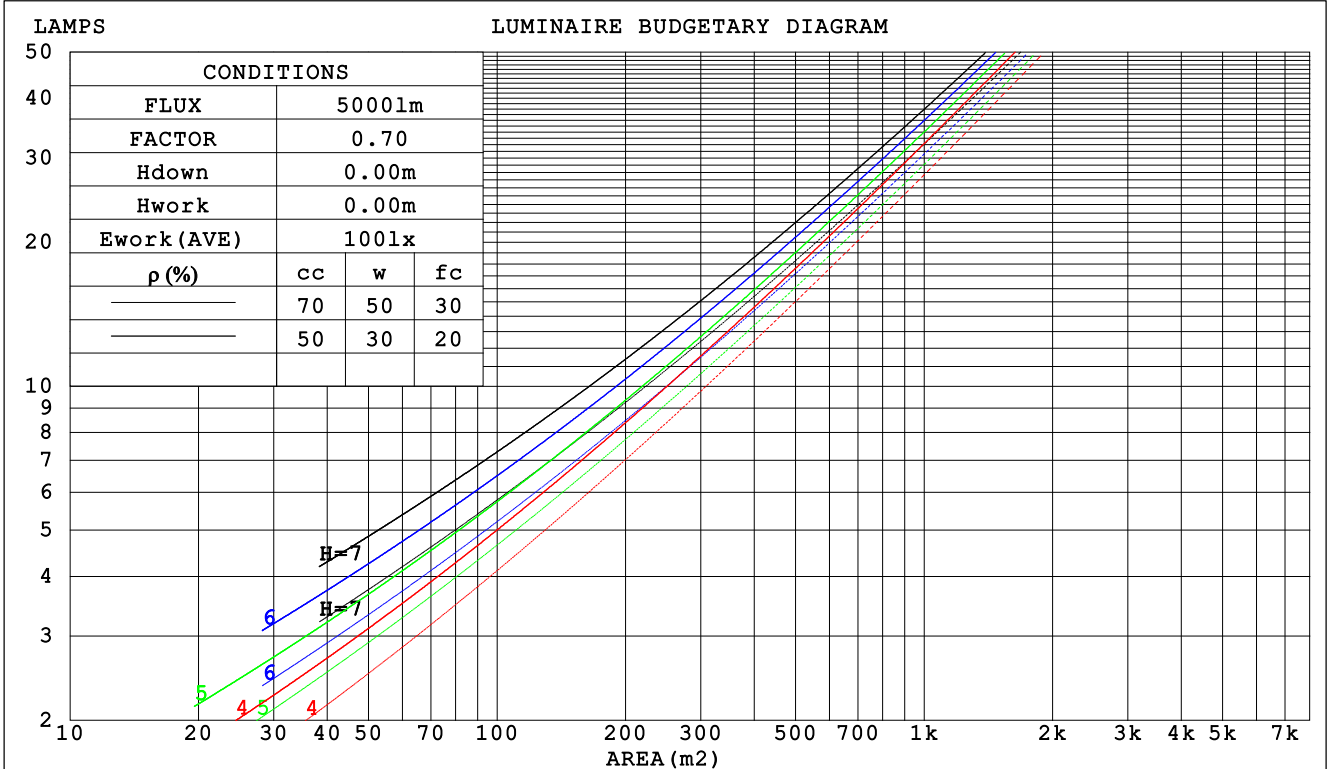
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-06-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.43V I:0.3994A P:47.750W PF:0.9929 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6205.84x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 5700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.94	.91	.88	.90	.88	.86	.84
2.0	.90	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.53	.47	.61	.53	.47	.59	.52	.46	.57	.51	.45	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-06-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:

WEC AND CCEC

Test:U:120.43V I:0.3994A P:47.750W PF:0.9929 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6205.84x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 5700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.308	.175	.056	.301	.172	.055	.288	.165	.053	.276	.159	.051	.265	.153	.049	
2.0	.292	.160	.049	.286	.157	.048	.274	.152	.047	.263	.148	.046	.253	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.227	.116	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.099	.028	.196	.098	.028	.190	.096	.028	.183	.094	.027	.178	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.084	.024	.172	.084	.023	.167	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.021	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0																
1.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
2.0	.172	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-06-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.43V I:0.3994A P:47.750W PF:0.9929 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6205.84x1 lm										
NAME: BPL2-1212X603-50W-P-TCP 5700K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.: 1.155*0.545			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	16.3	17.9	16.7	18.2	18.6	16.2	17.9	16.6	18.2	18.5
3H	18.1	19.6	18.5	19.9	20.3	18.1	19.5	18.4	19.9	20.2
4H	18.8	20.2	19.2	20.5	20.9	18.8	20.2	19.2	20.5	20.9
6H	19.2	20.5	19.6	20.9	21.3	19.3	20.6	19.7	20.9	21.3
8H	19.3	20.6	19.8	21.0	21.4	19.4	20.6	19.8	21.0	21.4
12H	19.4	20.6	19.8	21.0	21.4	19.4	20.5	19.8	20.9	21.4
4H 2H	16.9	18.3	17.3	18.7	19.1	16.9	18.3	17.3	18.6	19.0
3H	19.0	20.2	19.4	20.6	21.0	18.9	20.1	19.3	20.5	20.9
4H	19.8	20.8	20.2	21.3	21.7	19.8	20.8	20.2	21.2	21.7
6H	20.3	21.3	20.8	21.7	22.2	20.4	21.3	20.8	21.8	22.2
8H	20.5	21.4	20.9	21.8	22.3	20.5	21.4	21.0	21.8	22.3
12H	20.6	21.4	21.1	21.8	22.3	20.5	21.3	21.0	21.8	22.2
8H 4H	20.1	21.0	20.6	21.4	21.9	20.1	20.9	20.5	21.4	21.9
6H	20.8	21.5	21.3	22.0	22.5	20.8	21.6	21.3	22.0	22.5
8H	21.0	21.7	21.5	22.2	22.7	21.0	21.7	21.5	22.2	22.6
12H	21.2	21.8	21.7	22.2	22.8	21.0	21.6	21.5	22.1	22.6
12H 4H	20.1	20.9	20.6	21.4	21.9	20.1	20.9	20.6	21.4	21.8
6H	20.9	21.5	21.4	22.0	22.5	20.9	21.6	21.4	22.0	22.5
8H	21.1	21.7	21.7	22.2	22.8	21.1	21.7	21.6	22.2	22.7
CIE190: 2010										

CIE190: 2010  
Area: 0.64 m2

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-06-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.43V I:0.3994A P:47.750W PF:0.9929 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6205.84x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 5700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

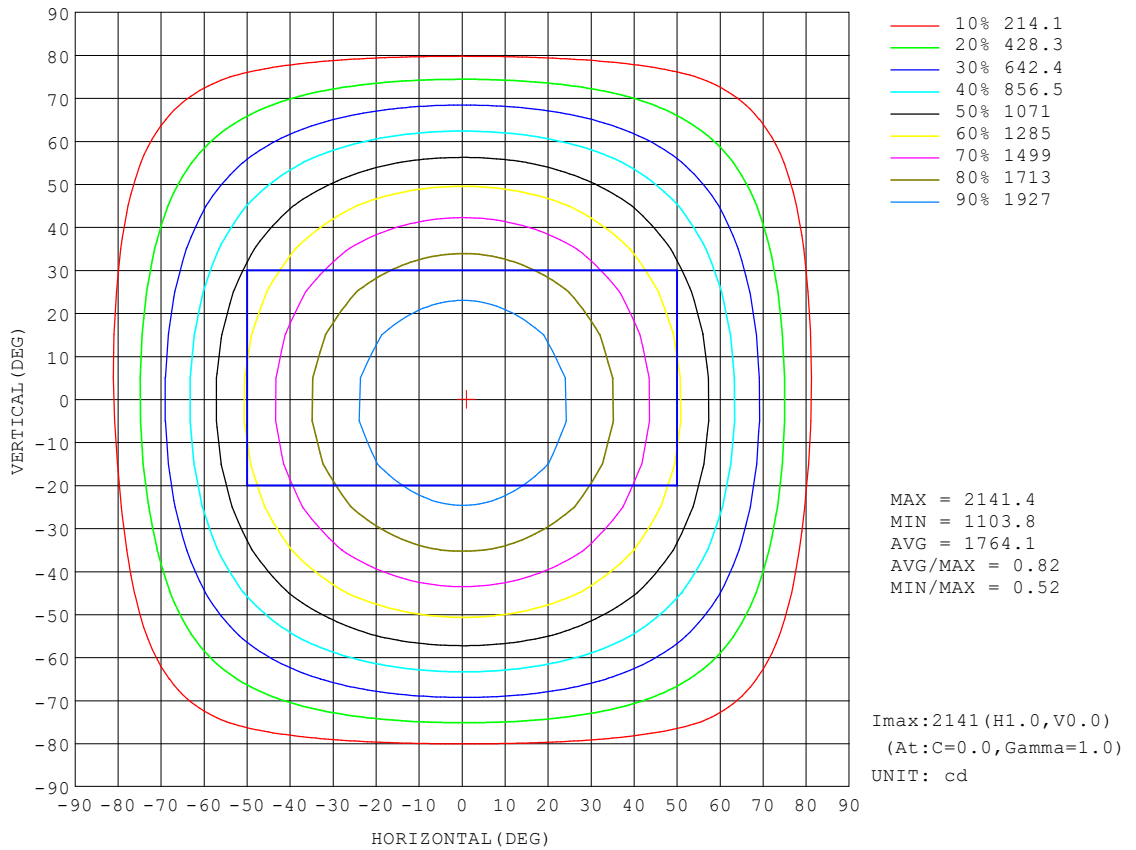
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	70	64	57
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-06-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.43V I:0.3994A P:47.750W PF:0.9929 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6205.84x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 5700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:



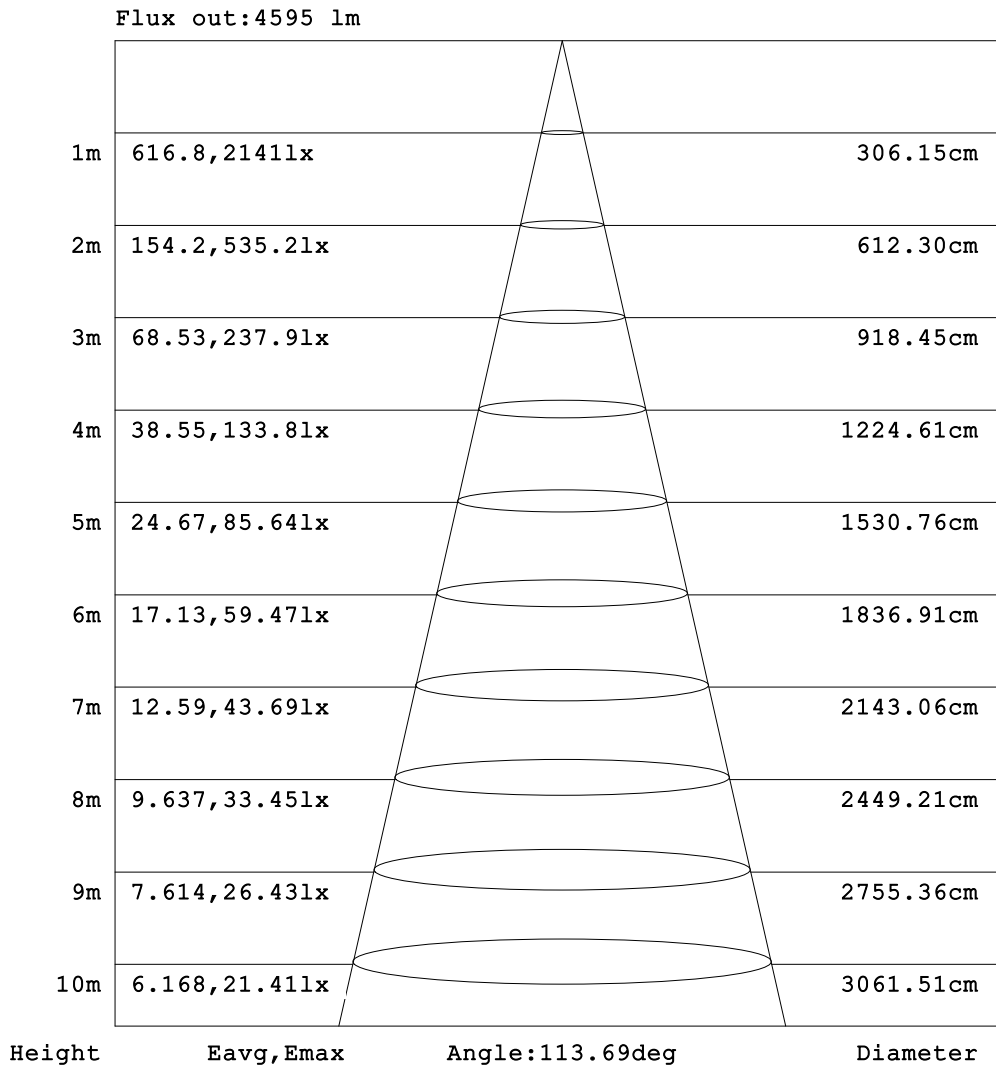
H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-06-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:



**AAI Figure**

Test:U:120.43V I:0.3994A P:47.750W PF:0.9929 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6205.84x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 5700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:



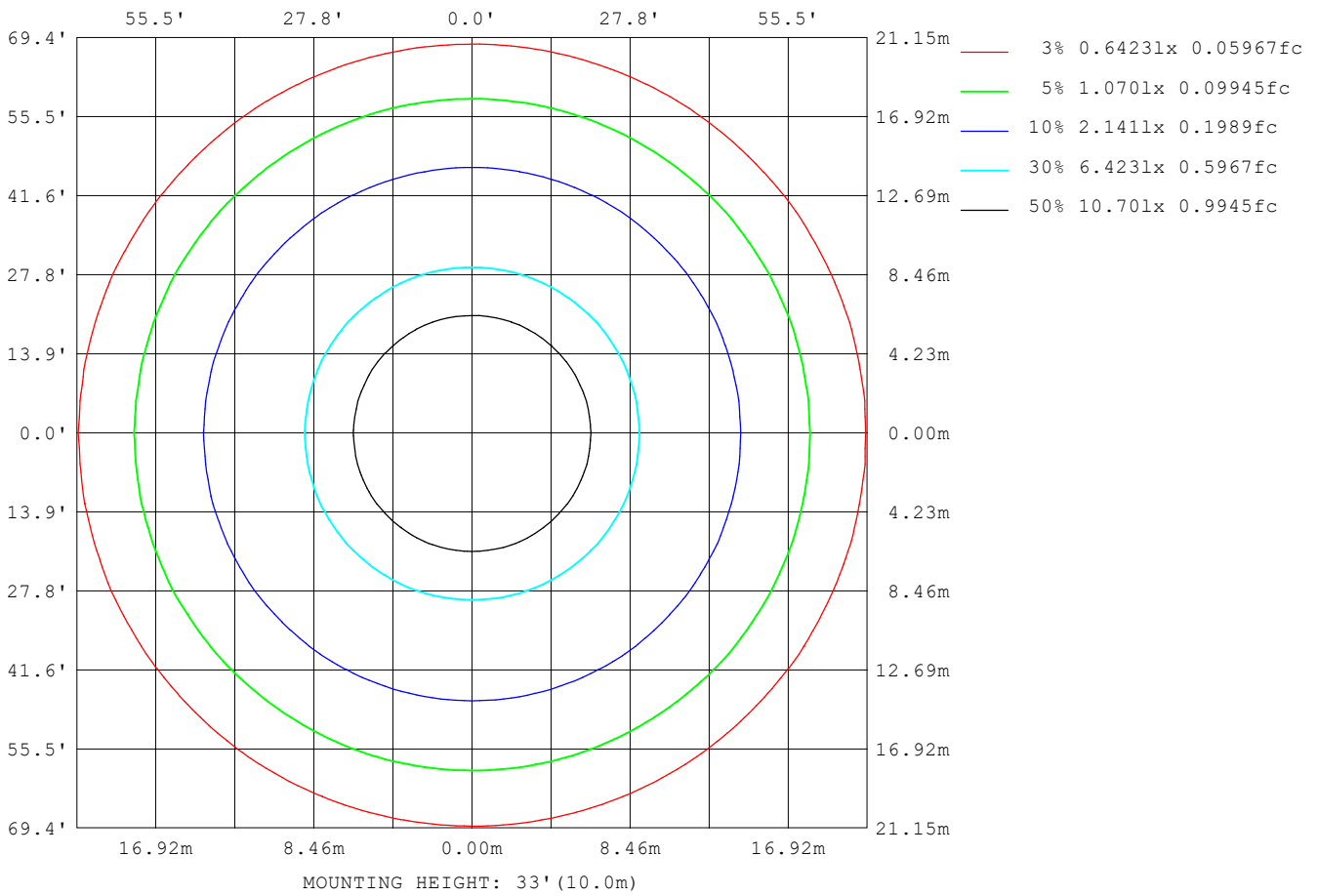
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-06-22

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.200m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

Test:U:120.43V I:0.3994A P:47.750W PF:0.9929 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6205.84x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 5700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-06-22

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.200m [K=1.0000]  
 Remarks:

## LED Avg.L Report

Test:U:120.43V I:0.3994A P:47.750W PF:0.9929 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6205.84x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 5700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

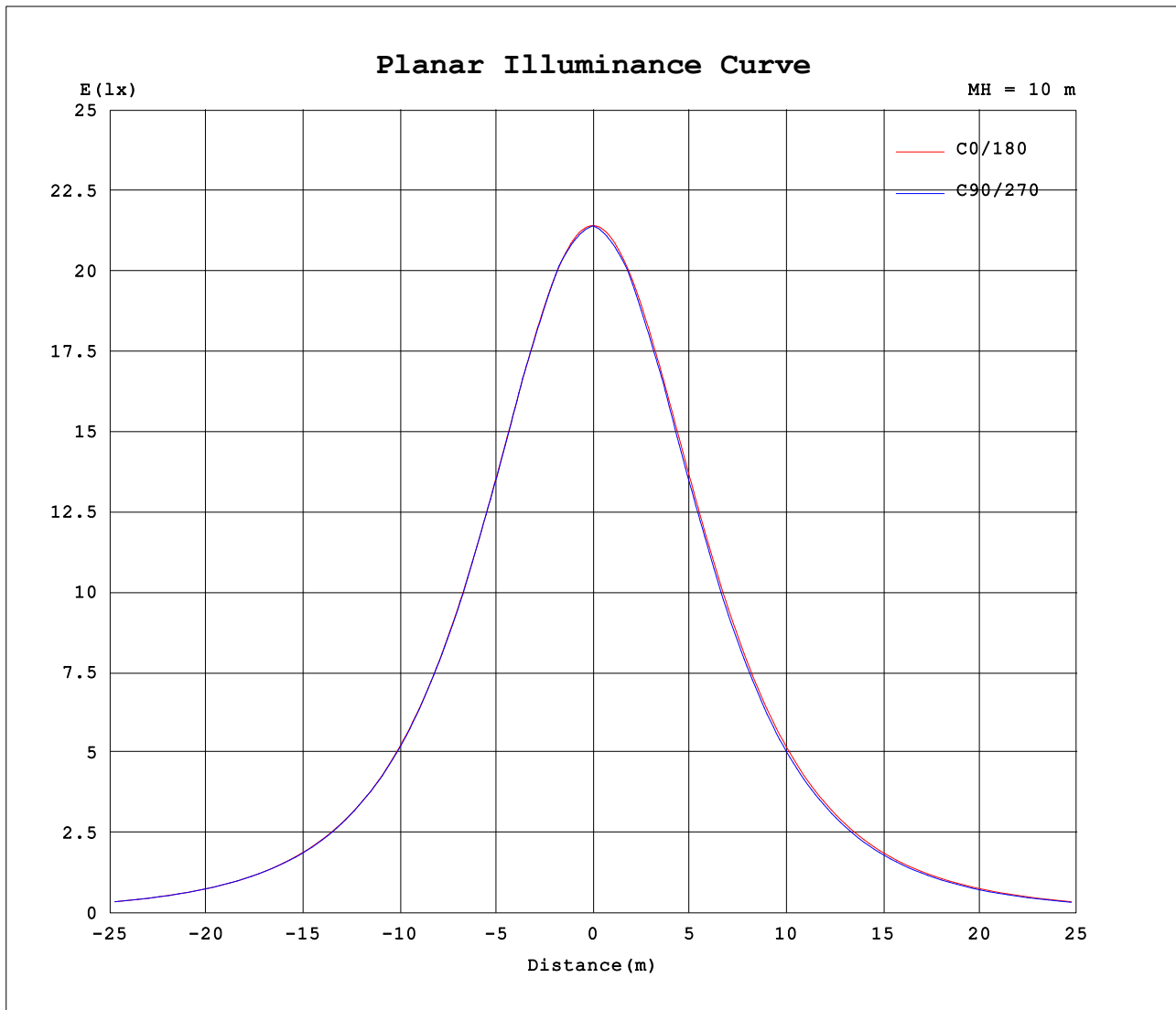
AvgL	cd/m2
L_0~180 (65) av	2962
L_0~180 (75) av	2592
L_0~180 (85) av	1632
L_90~270 (65) av	2888
L_90~270 (75) av	2542
L_90~270 (85) av	0
L_45 (65) av	2922
L_45 (75) av	2556
L_45 (85) av	1201

Standard: GB/T 29293-2012

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-06-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-06-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.43V I:0.3994A P:47.750W PF:0.9929 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0		
Lamp Flux:6205.84x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 5700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141
5	2134	2132	2131	2130	2129	2128	2128	2127	2127	2126	2126	2126	2126	2126	2126	2126	2126	2126	2126
10	2107	2105	2103	2102	2101	2101	2101	2101	2102	2103	2104	2105	2107	2108	2109	2110	2111	2111	2111
15	2065	2061	2059	2058	2059	2060	2062	2065	2068	2067	2064	2062	2061	2060	2060	2060	2059	2059	2059
20	2005	2001	1999	1999	2001	2005	2009	2004	2002	2001	2001	2001	2002	2004	2005	2006	2007	2008	2008
25	1928	1924	1923	1925	1930	1930	1926	1925	1926	1928	1931	1929	1927	1925	1924	1923	1923	1923	1923
30	1836	1831	1832	1837	1839	1834	1833	1836	1839	1835	1833	1832	1833	1834	1835	1836	1837	1837	1837
35	1728	1724	1726	1733	1727	1726	1731	1729	1726	1727	1729	1733	1729	1726	1724	1723	1722	1721	1721
40	1606	1602	1607	1607	1604	1609	1606	1605	1608	1610	1605	1603	1602	1602	1602	1604	1604	1605	1605
45	1469	1466	1475	1468	1471	1469	1470	1476	1470	1468	1468	1471	1469	1466	1465	1463	1462	1461	1461
50	1320	1318	1322	1319	1320	1321	1325	1320	1320	1323	1319	1317	1316	1317	1317	1318	1318	1318	1318
55	1157	1157	1158	1161	1159	1163	1159	1161	1159	1157	1158	1161	1159	1156	1154	1153	1151	1151	1150
60	984	986	984	985	991	986	988	986	988	990	986	984	983	983	983	983	983	983	983
65	802	805	803	807	804	805	806	809	806	805	805	806	804	803	802	800	799	799	798
70	615	616	615	616	617	621	619	619	620	620	619	619	618	617	616	616	615	615	614
75	430	429	425	423	428	429	433	435	436	436	436	437	438	438	438	437	437	436	435
80	256	236	234	241	248	255	259	264	266	267	267	266	264	263	261	260	259	258	257
85	96.1	80.6	88.7	98.2	106	109	109	97.0	83.8	70.2	57.1	44.8	33.5	23.7	15.3	8.70	3.88	0.97	0.00
90	7.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:7.200m [K=1.0000]
Test Date:2023-06-22	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.43V I:0.3994A P:47.750W PF:0.9929 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6205.84x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 5700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141
5	2126	2126	2126	2126	2126	2126	2126	2126	2126	2126	2126	2127	2128	2128	2129	2130	2132	2133	2131
10	2110	2110	2109	2108	2107	2105	2104	2102	2101	2100	2099	2099	2099	2099	2100	2101	2103	2106	2102
15	2059	2059	2059	2059	2059	2059	2060	2061	2063	2065	2061	2058	2057	2056	2055	2056	2059	2062	2057
20	2007	2007	2006	2004	2002	2000	1999	1998	1998	1998	2000	2003	2000	1997	1995	1995	1997	2002	1996
25	1922	1922	1922	1923	1923	1925	1928	1929	1925	1922	1920	1921	1924	1924	1919	1918	1920	1925	1918
30	1837	1836	1834	1832	1831	1829	1829	1830	1832	1837	1833	1828	1827	1831	1829	1825	1827	1833	1824
35	1721	1721	1721	1722	1722	1724	1727	1723	1721	1721	1724	1727	1721	1720	1724	1718	1718	1725	1716
40	1604	1603	1602	1601	1599	1598	1598	1599	1603	1601	1599	1601	1605	1598	1598	1598	1595	1602	1593
45	1461	1461	1461	1462	1464	1466	1467	1464	1462	1463	1467	1463	1464	1467	1461	1464	1459	1467	1457
50	1317	1316	1315	1313	1312	1312	1312	1315	1319	1315	1313	1316	1313	1316	1314	1313	1310	1317	1307
55	1150	1150	1150	1150	1151	1153	1154	1152	1151	1154	1157	1152	1154	1152	1158	1150	1149	1155	1147
60	982	982	981	980	979	978	978	979	981	980	980	984	980	981	980	979	977	982	976
65	798	798	798	798	799	800	802	800	799	799	801	799	800	798	798	802	797	801	796
70	614	613	613	613	613	613	613	614	615	616	614	612	609	607	603	605	608	614	608
75	435	435	435	434	434	433	432	430	429	430	430	427	422	415	410	406	416	429	427
80	257	257	258	259	260	261	261	262	262	261	258	253	249	243	233	223	222	252	256
85	0.97	3.86	8.63	15.2	23.4	33.0	43.9	55.9	68.6	81.5	94.0	105	105	101	93.5	83.2	71.3	86.0	105
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.51	0.00

H(β) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:7.200m [K=1.0000]
Test Date:2023-06-22	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.43V I:0.3994A P:47.750W PF:0.9929 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6205.84x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 5700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141
5	2129	2128	2126	2125	2124	2123	2122	2122	2121	2121	2121	2121	2121	2121	2121	2120	2120	2120	2121
10	2100	2097	2096	2094	2094	2093	2093	2094	2094	2095	2096	2097	2097	2098	2099	2099	2100	2100	2100
15	2054	2051	2050	2050	2050	2052	2054	2052	2050	2047	2046	2044	2044	2043	2043	2043	2043	2044	2044
20	1992	1990	1990	1992	1993	1989	1985	1983	1982	1982	1983	1984	1985	1985	1986	1987	1987	1987	1987
25	1914	1913	1915	1913	1909	1907	1906	1908	1910	1907	1903	1901	1900	1898	1898	1898	1898	1898	1899
30	1821	1823	1822	1816	1815	1817	1818	1812	1808	1806	1805	1805	1806	1806	1807	1808	1809	1809	1809
35	1713	1716	1710	1708	1712	1707	1702	1700	1700	1701	1697	1694	1692	1691	1690	1689	1690	1690	1691
40	1593	1590	1587	1591	1585	1580	1580	1580	1574	1571	1569	1569	1569	1570	1570	1570	1571	1571	1571
45	1459	1453	1455	1450	1446	1448	1442	1438	1438	1439	1436	1432	1429	1427	1426	1426	1426	1426	1427
50	1307	1306	1304	1299	1299	1294	1293	1295	1288	1284	1281	1280	1280	1280	1280	1280	1280	1281	1281
55	1145	1149	1141	1141	1136	1138	1132	1127	1125	1125	1122	1119	1116	1115	1114	1113	1113	1114	1115
60	974	972	971	968	968	962	960	958	954	950	948	947	946	946	946	946	946	946	947
65	798	793	790	790	785	784	780	777	776	775	772	769	767	765	764	764	764	764	765
70	608	607	606	604	601	599	599	595	592	590	587	585	583	582	581	581	581	582	583
75	425	425	423	422	421	419	416	413	411	411	410	409	409	408	407	406	406	407	408
80	256	255	255	253	250	250	250	249	247	244	241	239	237	234	233	232	232	232	233
85	105	104	105	105	102	89.6	76.8	64.1	51.8	40.4	30.2	21.3	13.8	7.81	3.49	0.88	0.00	0.88	3.50
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG      V(B) Range:-80 - 80DEG  
 H(β) Interval: 1.0DEG      V(B) Interval: 5.0DEG  
 Test Speed: HIGH      Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Temperature:25.3DEG      Humidity:65.0%  
 Operators:DAMIN      Test Distance:7.200m [K=1.0000]  
 Test Date:2023-06-22      Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.43V I:0.3994A P:47.750W PF:0.9929 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6205.84x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 5700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141				
5	2121	2121	2121	2121	2122	2122	2123	2123	2124	2125	2126	2127	2129	2130	2132				
10	2099	2099	2098	2097	2096	2096	2096	2095	2095	2096	2096	2097	2099	2101	2104				
15	2045	2045	2046	2047	2049	2052	2055	2057	2055	2054	2053	2053	2054	2057	2060				
20	1986	1985	1985	1984	1984	1985	1986	1989	1992	1998	1996	1994	1993	1995	1999				
25	1900	1901	1903	1906	1909	1912	1910	1909	1911	1914	1919	1921	1919	1918	1922				
30	1808	1808	1808	1808	1809	1811	1815	1820	1820	1819	1821	1828	1829	1827	1829				
35	1692	1694	1697	1701	1706	1704	1704	1706	1710	1714	1713	1716	1725	1721	1721				
40	1571	1571	1571	1572	1574	1579	1585	1586	1585	1588	1595	1592	1598	1601	1599				
45	1428	1431	1434	1438	1441	1440	1442	1447	1455	1452	1454	1459	1459	1469	1463				
50	1282	1282	1283	1284	1287	1291	1297	1296	1299	1307	1306	1308	1310	1316	1314				
55	1117	1119	1122	1126	1130	1130	1131	1135	1140	1141	1148	1147	1151	1151	1154				
60	947	948	949	951	954	958	964	965	966	971	972	979	976	978	983				
65	767	768	771	774	777	778	780	784	790	790	792	793	799	799	803				
70	584	585	587	590	592	595	597	600	602	605	609	608	610	612	613				
75	409	410	412	413	414	415	416	419	422	423	425	428	428	430	429				
80	235	238	240	243	246	249	252	253	254	256	257	258	258	258	258				
85	7.84	13.9	21.4	30.5	40.8	52.4	65.0	78.2	91.5	104	107	108	107	107	107				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

H(β) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:7.200m [K=1.0000]
Test Date:2023-06-22	Remarks:



Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141
2.5	2139	2139	2138	2138	2137	2137	2136	2136	2136	2135
5.0	2134	2132	2131	2130	2129	2128	2128	2127	2127	2126
7.5	2123	2121	2119	2118	2117	2116	2116	2115	2115	2116
10.0	2107	2105	2103	2102	2101	2101	2101	2101	2102	2103
12.5	2088	2085	2083	2082	2082	2082	2083	2085	2086	2088
15.0	2065	2061	2059	2058	2059	2060	2062	2065	2068	2067
17.5	2037	2033	2031	2031	2032	2034	2038	2041	2037	2035
20.0	2005	2001	1999	1999	2001	2005	2009	2004	2002	2001
22.5	1968	1964	1963	1964	1967	1973	1969	1966	1965	1965
25.0	1928	1924	1923	1925	1930	1930	1926	1925	1926	1928
27.5	1884	1879	1879	1882	1889	1883	1881	1882	1884	1888
30.0	1836	1831	1832	1837	1839	1834	1833	1836	1839	1835
32.5	1784	1779	1781	1787	1784	1781	1783	1788	1783	1781
35.0	1728	1724	1726	1733	1727	1726	1731	1729	1726	1727
37.5	1669	1665	1668	1671	1667	1669	1671	1667	1668	1670
40.0	1606	1602	1607	1604	1607	1609	1606	1605	1608	1610
42.5	1539	1536	1542	1539	1539	1541	1539	1541	1545	1539
45.0	1469	1466	1475	1468	1471	1469	1470	1476	1470	1468
47.5	1396	1393	1400	1395	1399	1396	1400	1399	1395	1396
50.0	1320	1318	1322	1319	1320	1321	1325	1320	1320	1323
52.5	1240	1239	1241	1241	1240	1245	1242	1241	1245	1240
55.0	1157	1157	1158	1161	1159	1163	1159	1161	1159	1157
57.5	1072	1073	1071	1073	1076	1075	1075	1075	1073	1075
60.0	984.2	986.3	983.6	984.5	990.6	985.8	988.3	986.1	988.5	989.7
62.5	893.6	897.8	894.3	895.3	896.7	897.5	896.5	898.3	900.2	896.7
65.0	801.7	805.3	803.3	806.6	803.8	804.8	805.6	808.9	805.6	804.9
67.5	708.1	710.7	708.6	712.3	712.0	711.7	716.0	713.1	712.2	713.5
70.0	615.2	615.6	615.4	615.9	616.8	620.7	619.1	619.1	620.0	619.8
72.5	521.6	521.5	523.4	521.1	522.8	524.4	524.7	526.5	527.1	527.0
75.0	430.3	428.8	424.6	423.1	427.6	429.0	432.6	435.2	435.8	435.6
77.5	341.7	333.0	325.2	329.9	333.3	338.8	344.0	346.2	347.9	349.8
80.0	256.3	236.5	233.8	240.6	247.7	254.9	259.5	264.0	266.2	266.7
82.5	173.8	148.6	154.9	162.7	171.6	178.7	183.6	185.7	185.8	184.7
85.0	96.07	80.61	88.67	98.19	105.5	109.1	109.4	97.01	83.75	70.24
87.5	29.72	36.45	40.25	41.80	30.22	15.81	0	0	0	0
90.0	7.253	0	0	0	0	0	0	0	0	0
G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141
2.5	2135	2135	2135	2134	2134	2134	2134	2134	2133	2133
5.0	2126	2126	2126	2126	2126	2126	2126	2126	2126	2126
7.5	2116	2117	2117	2117	2118	2118	2119	2118	2118	2118
10.0	2104	2105	2107	2108	2109	2110	2111	2111	2111	2110
12.5	2091	2091	2089	2087	2087	2086	2086	2085	2085	2085
15.0	2064	2062	2061	2060	2060	2060	2059	2059	2059	2059
17.5	2033	2033	2032	2032	2032	2033	2033	2034	2034	2033
20.0	2001	2001	2002	2004	2005	2006	2007	2008	2008	2007
22.5	1966	1969	1971	1970	1968	1967	1966	1965	1965	1965
25.0	1931	1929	1927	1925	1924	1923	1923	1923	1923	1922
27.5	1884	1881	1880	1880	1880	1880	1880	1880	1880	1880
30.0	1833	1832	1833	1834	1835	1836	1837	1837	1837	1837
32.5	1781	1783	1785	1787	1784	1782	1781	1780	1779	1779
35.0	1729	1733	1729	1726	1724	1723	1722	1721	1721	1721
37.5	1673	1668	1666	1664	1663	1663	1663	1663	1663	1663
40.0	1605	1603	1602	1602	1602	1604	1604	1605	1605	1604
42.5	1537	1537	1538	1540	1538	1536	1535	1533	1533	1533
45.0	1468	1471	1469	1466	1465	1463	1462	1461	1461	1461
47.5	1399	1396	1393	1391	1391	1390	1390	1390	1389	1389
50.0	1319	1317	1316	1317	1317	1318	1318	1318	1318	1317
52.5	1239	1239	1240	1242	1240	1237	1235	1235	1234	1234
55.0	1158	1161	1159	1156	1154	1153	1151	1151	1150	1150
57.5	1077	1073	1071	1069	1068	1068	1067	1067	1066	1066
60.0	986.4	984.0	982.8	982.7	982.7	982.5	982.8	983.0	982.7	982.4
62.5	895.3	895.1	895.2	896.0	894.3	892.6	891.8	891.2	890.5	890.4
65.0	805.2	805.8	804.4	802.8	801.5	800.3	799.5	799.0	798.3	798.2
67.5	712.9	711.8	709.8	709.8	708.8	708.0	707.3	706.9	706.2	705.9
70.0	619.2	618.6	617.9	617.3	616.3	615.8	615.1	614.8	614.0	613.7
72.5	526.6	526.1	525.5	526.3	526.0	526.0	525.7	525.5	524.8	524.4
75.0	436.1	437.5	438.1	438.3	437.7	437.2	436.6	436.2	435.5	435.2
77.5	350.9	351.3	351.1	350.5	349.5	348.5	347.5	346.9	346.2	346.0
80.0	266.5	265.6	264.4	263.0	261.5	259.9	258.5	257.6	257.0	256.8
82.5	179.7	169.1	159.3	150.6	143.1	136.9	132.4	129.6	128.5	129.1
85.0	57.09	44.75	33.55	23.67	15.34	8.696	3.885	0.9740	0	0.9707

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-06-22

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.200m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141
2.5	2134	2134	2134	2134	2134	2134	2135	2135	2135	2136
5.0	2126	2126	2126	2126	2126	2126	2126	2126	2126	2126
7.5	2118	2117	2117	2117	2116	2116	2115	2115	2114	2114
10.0	2110	2109	2108	2107	2105	2104	2102	2101	2100	2099
12.5	2085	2085	2086	2086	2087	2089	2088	2085	2083	2082
15.0	2059	2059	2059	2059	2059	2060	2061	2063	2065	2061
17.5	2033	2032	2032	2031	2030	2030	2030	2031	2033	2036
20.0	2007	2006	2004	2002	2000	1999	1998	1998	1998	2000
22.5	1965	1966	1967	1969	1970	1967	1964	1962	1961	1961
25.0	1922	1922	1923	1923	1925	1928	1929	1925	1922	1920
27.5	1879	1879	1878	1877	1877	1879	1881	1886	1881	1878
30.0	1836	1834	1832	1831	1829	1829	1830	1832	1837	1833
32.5	1779	1780	1782	1781	1781	1778	1777	1777	1777	1785
35.0	1721	1721	1722	1722	1724	1727	1723	1721	1721	1724
37.5	1662	1662	1661	1661	1661	1663	1666	1664	1662	1662
40.0	1603	1602	1601	1599	1598	1598	1599	1603	1601	1599
42.5	1533	1534	1536	1537	1535	1533	1532	1533	1536	1534
45.0	1461	1461	1462	1464	1466	1467	1464	1462	1463	1467
47.5	1388	1388	1387	1388	1389	1392	1395	1391	1389	1391
50.0	1316	1315	1313	1312	1312	1312	1315	1319	1315	1313
52.5	1234	1235	1236	1237	1235	1233	1233	1235	1240	1235
55.0	1150	1150	1150	1151	1153	1154	1152	1151	1154	1157
57.5	1066	1065	1065	1065	1066	1067	1070	1067	1066	1070
60.0	981.6	980.9	979.7	978.9	978.3	978.2	979.1	981.2	980.0	979.6
62.5	890.4	890.9	891.4	892.8	891.2	890.2	889.6	890.0	891.9	890.5
65.0	797.9	798.1	798.4	799.0	800.2	801.7	800.2	798.8	798.9	800.9
67.5	705.4	705.4	705.4	705.6	706.2	707.0	708.2	708.9	707.1	706.1
70.0	613.0	612.9	612.6	612.7	612.8	613.4	614.2	614.8	616.3	613.8
72.5	523.8	523.2	522.4	521.5	520.0	520.5	520.9	521.3	522.0	522.2
75.0	434.9	434.7	434.4	434.0	433.2	432.0	430.3	429.1	429.8	429.6
77.5	346.0	346.3	346.6	346.9	346.8	346.4	345.7	344.0	341.4	339.6
80.0	257.2	258.0	259.0	260.0	260.7	261.3	261.9	261.9	260.7	258.0
82.5	131.7	135.9	141.7	148.7	156.8	165.9	175.9	180.5	181.3	180.8
85.0	3.865	8.631	15.18	23.38	33.00	43.92	55.88	68.58	81.47	94.02
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141
2.5	2136	2136	2137	2137	2138	2138	2139	2138	2137	2137
5.0	2127	2128	2128	2129	2130	2132	2133	2131	2129	2128
7.5	2114	2115	2115	2116	2118	2119	2121	2119	2116	2114
10.0	2099	2099	2099	2100	2101	2103	2106	2102	2100	2097
12.5	2080	2080	2079	2080	2081	2083	2086	2082	2079	2077
15.0	2058	2057	2056	2055	2056	2059	2062	2057	2054	2051
17.5	2033	2030	2028	2027	2028	2030	2034	2029	2025	2022
20.0	2003	2000	1997	1995	1995	1997	2002	1996	1992	1990
22.5	1963	1967	1962	1959	1958	1961	1966	1959	1954	1953
25.0	1921	1924	1924	1919	1918	1920	1925	1918	1914	1913
27.5	1876	1877	1881	1875	1873	1875	1880	1873	1869	1869
30.0	1828	1827	1831	1829	1825	1827	1833	1824	1821	1823
32.5	1779	1776	1777	1779	1774	1774	1780	1772	1769	1772
35.0	1727	1721	1720	1724	1718	1718	1725	1716	1713	1716
37.5	1667	1664	1660	1663	1660	1658	1665	1656	1655	1655
40.0	1601	1605	1598	1598	1598	1595	1602	1593	1593	1590
42.5	1532	1537	1534	1531	1533	1529	1536	1526	1527	1523
45.0	1463	1464	1467	1461	1464	1459	1467	1457	1459	1453
47.5	1392	1389	1396	1388	1389	1386	1393	1383	1384	1380
50.0	1316	1313	1316	1314	1313	1310	1317	1307	1307	1306
52.5	1234	1236	1234	1237	1232	1231	1238	1229	1227	1229
55.0	1152	1154	1152	1158	1150	1149	1155	1147	1145	1149
57.5	1070	1067	1068	1069	1065	1065	1070	1062	1061	1061
60.0	983.8	980.2	981.0	979.6	979.0	977.3	982.1	975.6	974.5	972.4
62.5	890.8	893.7	889.6	889.1	891.6	889.0	892.5	887.4	887.6	882.7
65.0	798.9	800.4	797.9	798.1	802.2	796.9	800.6	795.6	798.2	792.9
67.5	707.4	704.2	705.9	701.7	703.8	702.6	707.3	701.7	701.8	699.7
70.0	611.7	609.1	606.8	603.4	604.8	607.9	613.7	608.3	608.0	606.8
72.5	518.4	513.7	508.9	508.0	505.4	512.3	520.3	516.0	516.4	517.5
75.0	427.2	421.7	414.7	409.6	406.2	416.1	428.6	427.3	425.3	425.2
77.5	337.9	333.6	325.7	316.8	312.9	318.5	341.1	340.4	340.1	337.8

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:DAMIN

Test Date:2023-06-22

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446

Humidity:65.0%

Test Distance:7.200m [K=1.0000]

Remarks:

Photometric Data Table [cd]

80.0	252.9	249.2	242.6	232.9	223.4	222.4	252.1	255.8	256.2	255.0
82.5	178.4	173.5	166.2	158.5	146.1	137.7	165.3	177.6	177.5	177.0
85.0	105.5	105.2	101.3	93.47	83.23	71.33	85.99	105.1	105.0	104.0
87.5	0	15.19	28.72	38.78	35.39	31.24	24.88	41.73	42.21	40.43
90.0	0	0	0	0	0	0	6.507	0	0	0
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141
2.5	2136	2135	2135	2134	2134	2133	2133	2132	2132	2132
5.0	2126	2125	2124	2123	2122	2122	2121	2121	2121	2121
7.5	2113	2111	2110	2109	2109	2109	2109	2109	2109	2109
10.0	2096	2094	2094	2093	2093	2094	2094	2095	2096	2097
12.5	2075	2074	2074	2074	2075	2077	2078	2078	2075	2074
15.0	2050	2050	2050	2052	2054	2052	2050	2047	2046	2044
17.5	2022	2023	2024	2025	2021	2019	2016	2016	2015	2014
20.0	1990	1992	1993	1989	1985	1983	1982	1982	1983	1984
22.5	1954	1958	1952	1949	1947	1946	1947	1948	1950	1949
25.0	1915	1913	1909	1907	1906	1908	1910	1907	1903	1901
27.5	1873	1866	1863	1863	1864	1866	1861	1857	1855	1853
30.0	1822	1816	1815	1817	1818	1812	1808	1806	1805	1805
32.5	1767	1764	1764	1768	1761	1756	1754	1754	1755	1757
35.0	1710	1708	1712	1707	1702	1700	1700	1701	1697	1694
37.5	1650	1651	1651	1644	1641	1642	1642	1637	1634	1631
40.0	1587	1591	1585	1580	1580	1580	1574	1571	1569	1569
42.5	1523	1523	1516	1515	1515	1509	1506	1505	1505	1507
45.0	1455	1450	1446	1448	1442	1438	1438	1439	1436	1432
47.5	1384	1375	1375	1371	1367	1367	1369	1363	1359	1356
50.0	1304	1299	1299	1294	1293	1295	1288	1284	1281	1280
52.5	1223	1222	1218	1216	1219	1211	1207	1205	1204	1204
55.0	1141	1141	1136	1138	1132	1127	1125	1125	1122	1119
57.5	1057	1054	1054	1051	1045	1044	1044	1039	1035	1033
60.0	971.3	967.9	968.5	961.9	959.6	958.3	953.9	950.5	948.4	947.2
62.5	880.7	882.3	876.5	873.3	871.7	867.3	864.5	862.7	861.8	861.4
65.0	790.5	789.9	785.4	784.1	779.6	777.1	775.9	774.8	771.7	769.0
67.5	701.6	695.6	694.8	690.8	688.9	687.9	685.0	682.1	679.2	676.9
70.0	606.3	603.8	601.1	599.4	598.7	595.4	592.4	589.9	587.1	585.1
72.5	513.2	511.3	509.9	508.9	506.5	503.4	500.6	498.2	495.5	495.1
75.0	423.4	422.1	421.0	418.6	415.7	412.6	411.4	411.3	410.5	409.5
77.5	336.9	335.9	333.7	330.5	328.9	329.2	328.7	327.5	325.7	324.1
80.0	254.5	252.6	250.2	250.4	250.0	248.7	246.6	244.2	241.4	239.0
82.5	175.1	175.8	175.6	174.3	172.1	169.1	162.9	152.7	143.5	135.5
85.0	105.2	104.6	101.9	89.65	76.81	64.05	51.77	40.43	30.22	21.29
87.5	28.88	14.92	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141
2.5	2131	2131	2131	2131	2131	2131	2131	2131	2132	2132
5.0	2121	2121	2121	2121	2120	2120	2121	2121	2121	2121
7.5	2109	2110	2110	2110	2110	2110	2110	2110	2110	2110
10.0	2097	2098	2099	2099	2100	2100	2100	2099	2099	2098
12.5	2073	2072	2072	2072	2072	2072	2072	2073	2074	2076
15.0	2044	2043	2043	2043	2043	2044	2044	2045	2045	2046
17.5	2014	2015	2015	2015	2015	2016	2016	2015	2016	2015
20.0	1985	1985	1986	1987	1987	1987	1987	1986	1985	1985
22.5	1946	1944	1943	1942	1943	1943	1944	1945	1946	1950
25.0	1900	1898	1898	1898	1898	1898	1899	1900	1901	1903
27.5	1853	1852	1853	1853	1853	1853	1854	1854	1855	1855
30.0	1806	1806	1807	1808	1809	1809	1809	1808	1808	1808
32.5	1753	1751	1750	1749	1749	1750	1751	1753	1756	1760
35.0	1692	1691	1690	1689	1689	1690	1691	1692	1694	1697
37.5	1631	1630	1630	1630	1631	1630	1631	1632	1632	1634
40.0	1569	1570	1570	1570	1571	1571	1571	1571	1571	1571
42.5	1504	1501	1499	1498	1499	1499	1500	1502	1505	1508
45.0	1429	1427	1426	1426	1426	1426	1427	1428	1431	1434
47.5	1354	1353	1353	1353	1353	1354	1354	1355	1356	1358
50.0	1280	1280	1280	1280	1280	1281	1281	1282	1282	1283
52.5	1202	1200	1198	1197	1197	1198	1199	1202	1204	1208
55.0	1116	1115	1114	1113	1113	1114	1115	1117	1119	1122
57.5	1031	1030	1030	1030	1030	1030	1031	1032	1034	1036
60.0	946.3	946.0	946.0	946.1	946.4	946.1	946.5	947.2	948.1	949.3
62.5	858.7	856.9	855.7	855.0	855.1	855.2	856.2	858.0	860.0	862.8
65.0	766.8	765.3	764.2	763.7	763.8	764.0	765.0	766.5	768.2	770.8
67.5	675.0	673.8	672.8	672.5	672.6	672.8	673.8	675.2	676.7	679.1
70.0	583.4	582.3	581.4	581.2	581.3	581.7	582.6	583.9	585.4	587.5

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-06-22

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.200m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

72.5	494.8	494.3	493.8	493.7	493.9	494.2	494.8	495.8	496.7	497.6
75.0	408.6	407.6	406.7	406.4	406.5	406.8	407.6	408.9	410.2	411.6
77.5	322.5	321.0	319.7	319.1	319.1	319.4	320.5	322.1	323.9	325.9
80.0	236.7	234.4	232.8	231.7	231.7	232.0	233.4	235.3	237.8	240.4
82.5	128.6	123.0	119.0	116.5	115.8	116.7	119.3	123.5	129.3	136.3
85.0	13.79	7.810	3.492	0.8758	0	0.8769	3.501	7.845	13.85	21.43
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	2141	2141	2141	2141	2141	2141	2141	2141	2141	2141
2.5	2132	2132	2133	2133	2134	2135	2135	2136	2136	2137
5.0	2121	2122	2122	2123	2123	2124	2125	2126	2127	2129
7.5	2110	2110	2110	2110	2110	2111	2112	2113	2114	2116
10.0	2097	2096	2096	2096	2095	2095	2096	2096	2097	2099
12.5	2078	2080	2080	2079	2078	2077	2076	2076	2077	2079
15.0	2047	2049	2052	2055	2057	2055	2054	2053	2053	2054
17.5	2016	2017	2019	2022	2025	2030	2029	2026	2025	2026
20.0	1984	1984	1985	1986	1989	1992	1998	1996	1994	1993
22.5	1951	1950	1949	1949	1950	1953	1957	1963	1960	1958
25.0	1906	1909	1912	1910	1909	1911	1914	1919	1921	1919
27.5	1857	1859	1863	1869	1867	1866	1867	1872	1879	1875
30.0	1808	1809	1811	1815	1820	1820	1819	1821	1828	1829
32.5	1758	1758	1758	1760	1764	1771	1768	1769	1773	1779
35.0	1701	1706	1704	1704	1706	1710	1714	1713	1716	1725
37.5	1637	1641	1648	1647	1646	1648	1654	1655	1656	1663
40.0	1572	1574	1579	1585	1586	1585	1588	1595	1592	1598
42.5	1507	1508	1510	1514	1521	1521	1521	1526	1527	1530
45.0	1438	1441	1440	1442	1447	1455	1452	1454	1459	1459
47.5	1361	1365	1371	1370	1372	1378	1382	1381	1387	1386
50.0	1284	1287	1291	1297	1296	1299	1307	1306	1308	1310
52.5	1207	1208	1210	1214	1221	1220	1224	1230	1228	1232
55.0	1126	1130	1130	1131	1135	1140	1141	1148	1147	1151
57.5	1039	1043	1049	1049	1050	1054	1057	1060	1064	1064
60.0	951.2	954.1	958.2	964.0	965.1	966.0	970.8	971.6	979.0	976.4
62.5	864.0	865.6	867.9	871.8	877.3	878.5	879.6	883.7	885.9	887.4
65.0	773.6	776.7	778.3	780.4	784.1	789.7	789.7	791.8	793.5	799.1
67.5	681.5	684.1	687.0	689.6	691.5	694.9	700.3	699.4	702.4	705.3
70.0	589.8	592.3	594.9	597.5	600.1	602.1	605.4	609.3	608.5	610.1
72.5	498.6	501.0	503.8	506.3	508.8	510.7	512.7	516.0	517.7	518.7
75.0	413.1	414.1	414.8	416.3	419.3	421.6	423.3	425.0	428.0	428.1
77.5	328.0	329.9	331.6	332.8	333.2	334.7	337.1	338.4	340.0	342.7
80.0	243.3	246.3	249.2	251.8	253.4	254.4	254.4	255.9	256.9	258.2
82.5	144.7	154.3	165.0	171.6	174.9	177.3	178.8	179.0	178.5	179.0
85.0	30.47	40.84	52.42	65.04	78.18	91.50	104.3	106.8	107.5	106.6
87.5	0	0	0	0	0	0	0	15.27	29.54	41.50
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	2141	2141								
2.5	2138	2139								
5.0	2130	2132								
7.5	2118	2120								
10.0	2101	2104								
12.5	2081	2084								
15.0	2057	2060								
17.5	2028	2031								
20.0	1995	1999								
22.5	1959	1962								
25.0	1918	1922								
27.5	1874	1877								
30.0	1827	1829								
32.5	1775	1777								
35.0	1721	1721								
37.5	1662	1662								
40.0	1601	1599								
42.5	1536	1533								
45.0	1469	1463								
47.5	1394	1390								
50.0	1316	1314								
52.5	1235	1236								
55.0	1151	1154								
57.5	1065	1070								
60.0	978.0	983.2								
62.5	889.3	895.4								

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-06-22

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.200m [K=1.0000]  
 Remarks:

**Photometric Data Table [cd]**

65.0	798.8	802.9
67.5	704.5	708.2
70.0	611.7	613.5
72.5	521.3	519.7
75.0	429.9	429.2
77.5	341.6	341.6
80.0	258.2	258.3
82.5	180.2	179.8
85.0	106.9	107.0
87.5	44.17	43.63
90.0	0	0

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-06-22

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.200m [K=1.0000]  
Remarks: