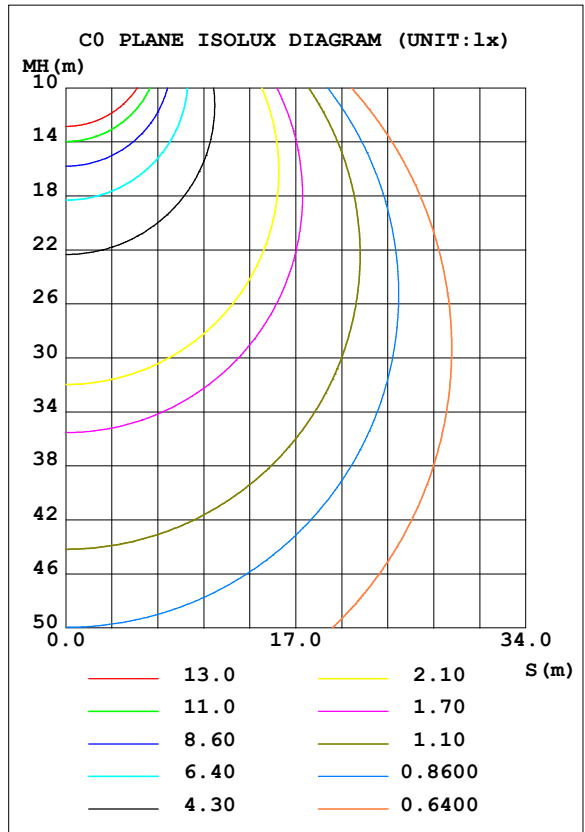
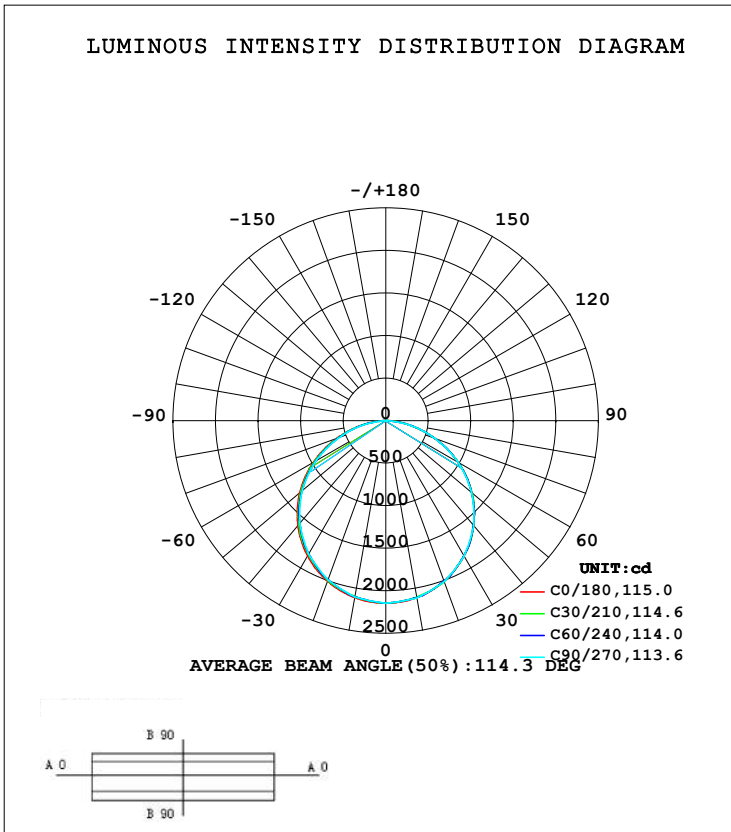


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.43V I:0.3992A P:47.723W PF:0.9928 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6218.16x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.30 lm/W			
MODEL	BPL2-1212X603-50W-P-TCP 6500K	I _{max} (cd)	2146	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)	6218.2	η UP, DN (C0-180)	0.0, 50.4
NOMINAL FLUX (lm)	6218.16	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:

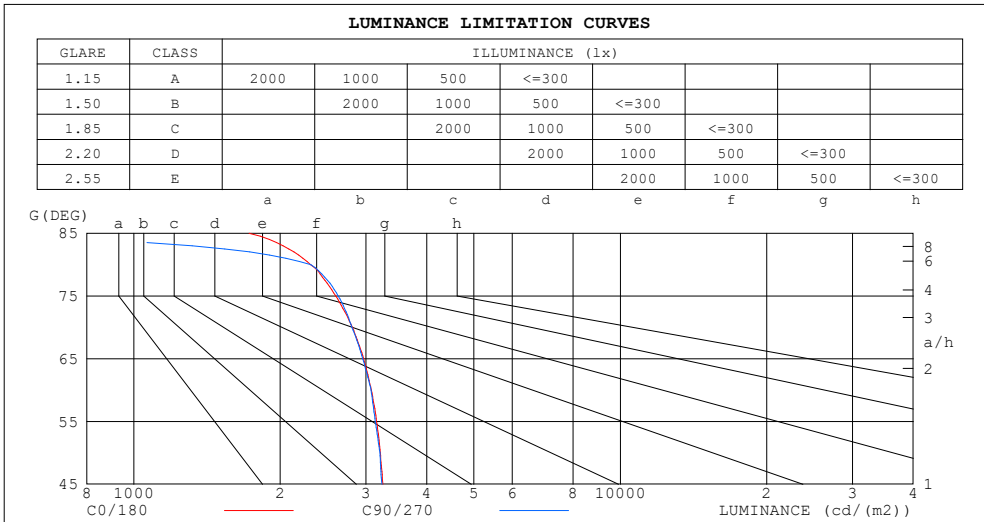
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2112	2107	2115	2106	2111	2098	2104	2099	0- 10	202.5	202.5	3.26,3.26
20	2008	2004	2011	2002	2007	1988	1991	1990	10- 20	581.5	784.0	12.6,12.6
30	1839	1838	1840	1836	1837	1817	1812	1818	20- 30	885.4	1669	26.8,26.8
40	1607	1612	1608	1606	1607	1584	1574	1588	30- 40	1075	2744	44.1,44.1
50	1321	1325	1319	1322	1320	1299	1284	1299	40- 50	1124	3868	62.2,62.2
60	985.2	990.2	983.9	983.7	985.1	961.1	948.6	965.9	50- 60	1023	4891	78.7,78.7
70	616.0	620.1	614.9	616.2	615.4	597.3	582.7	598.7	60- 70	783.4	5675	91.3,91.3
80	256.7	266.8	257.0	262.2	252.6	249.6	232.8	252.5	70- 80	449.1	6124	98.5,98.5
90	7.267	0	0	0	6.520	0	0	0	80- 90	94.43	6218	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:0.3992A P:47.723W PF:0.9928 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6218.16x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:



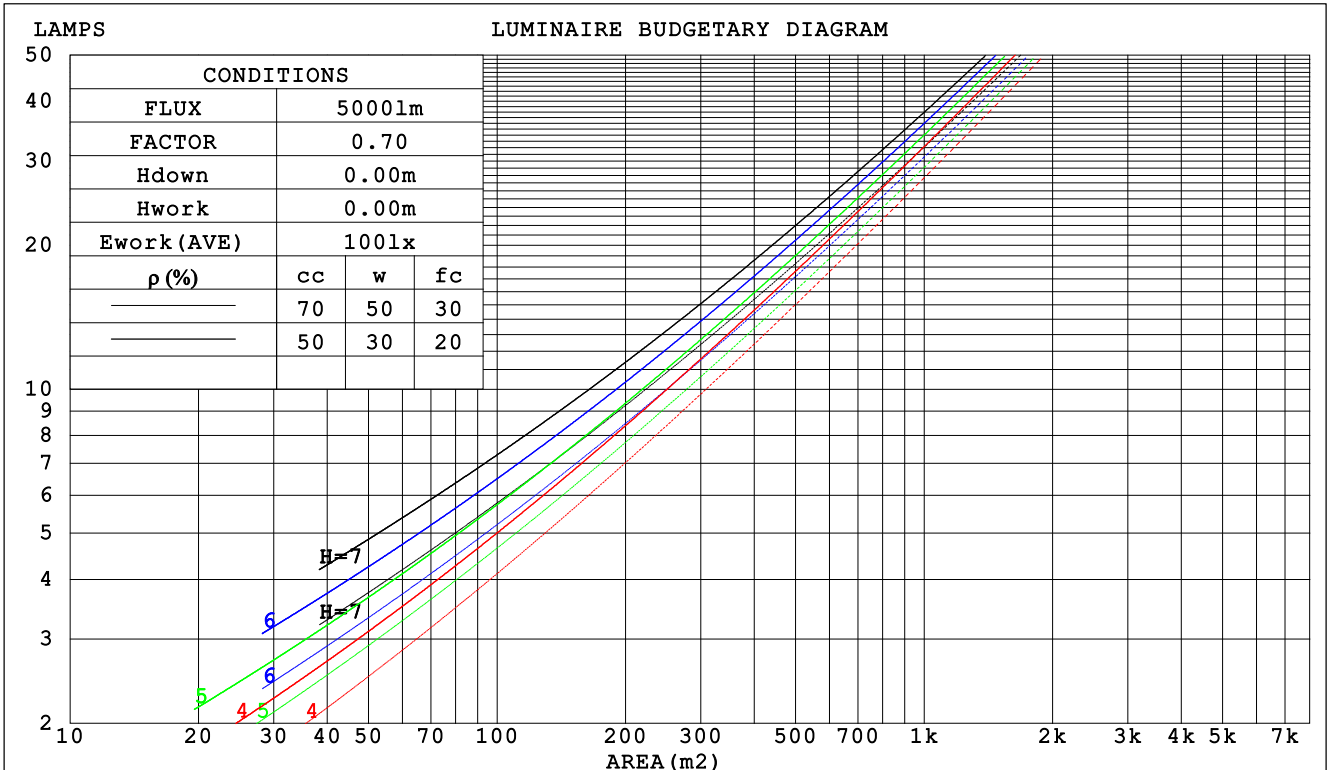
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-06-22

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.43V I:0.3992A P:47.723W PF:0.9928 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6218.16x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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(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:

WEC AND CCEC

Test:U:120.43V I:0.3992A P:47.723W PF:0.9928 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6218.16x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{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	

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.134	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
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(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:

UGR(Unified Glare Rating) Table

Test:U:120.43V I:0.3992A P:47.723W PF:0.9928 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6218.16x1 lm										
NAME: BPL2-1212X603-50W-P-TCP 6500K					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	19.6	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	22.3
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	22.7
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	22.6
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:0.3992A P:47.723W PF:0.9928 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6218.16x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

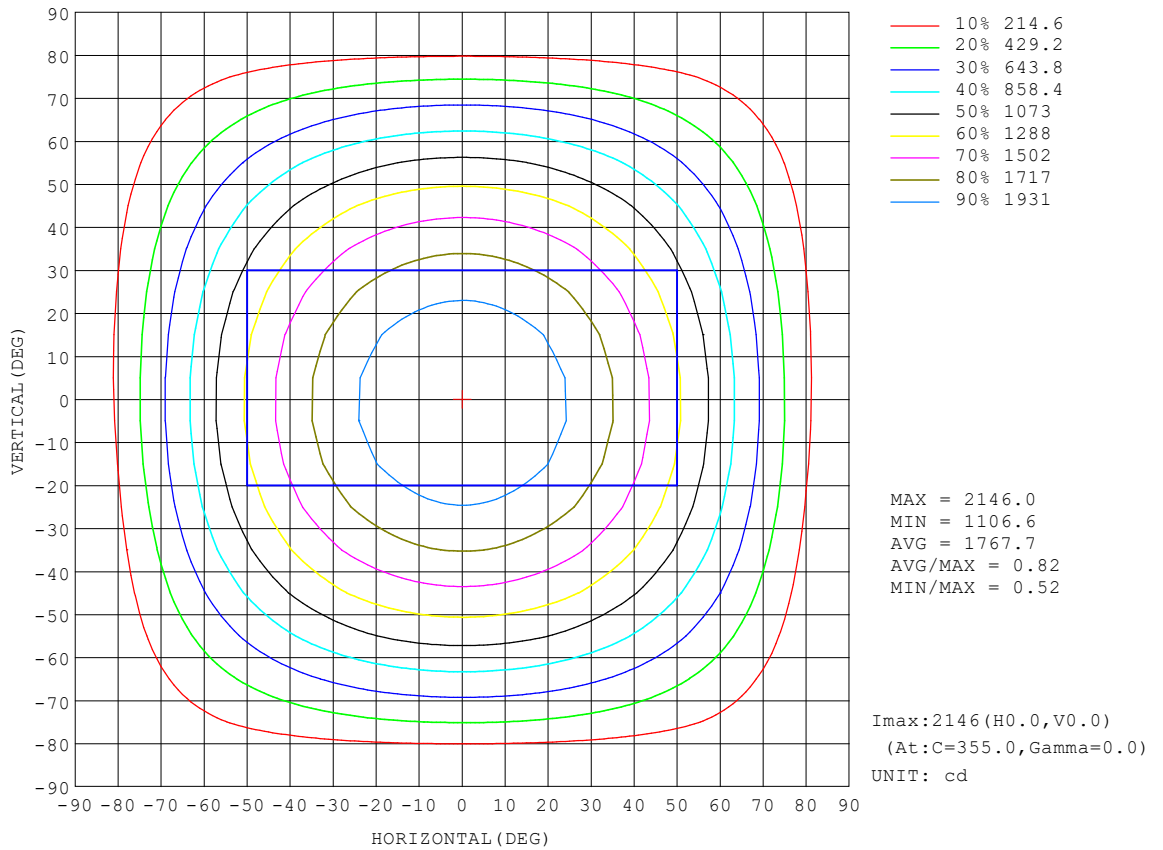
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	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(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:

ISOCANDELA DIAGRAM

Test:U:120.43V I:0.3992A P:47.723W PF:0.9928 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6218.16x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

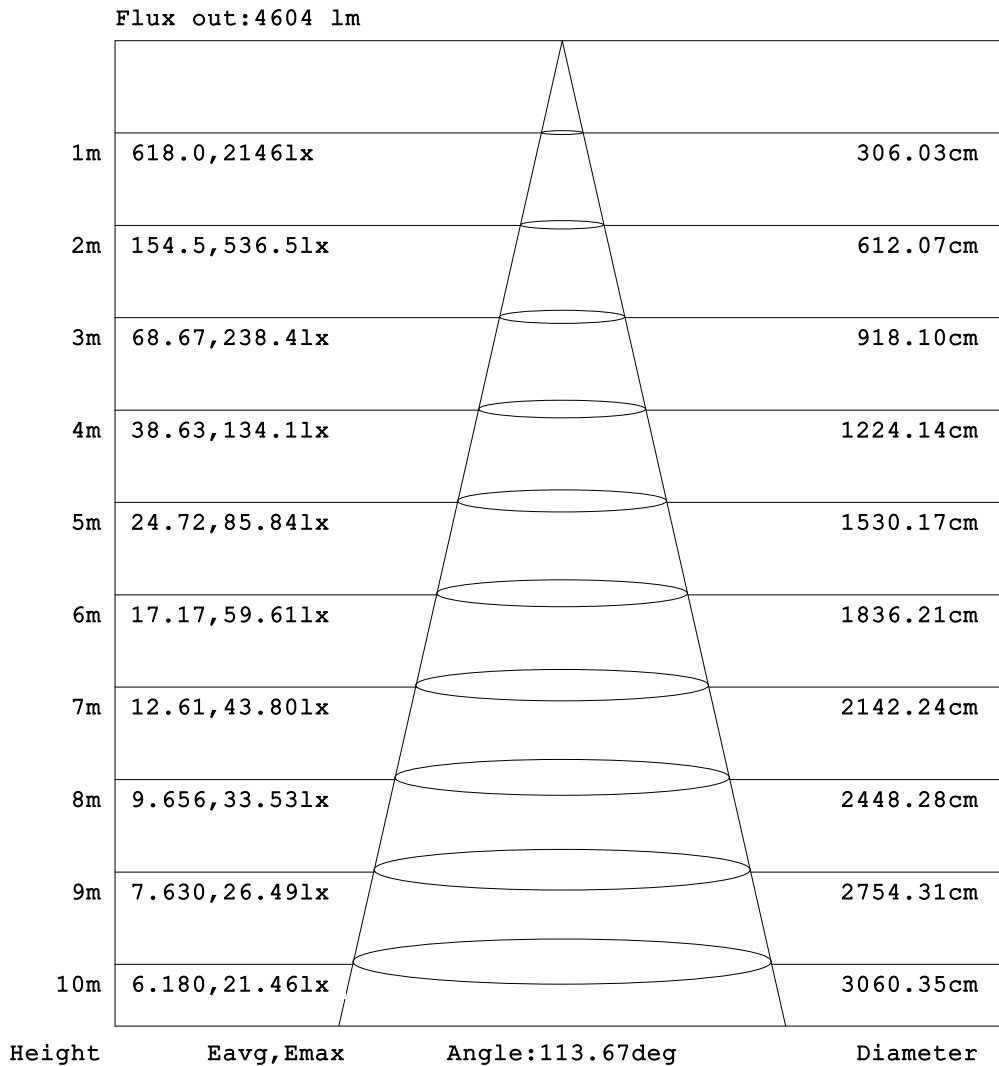


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-06-22

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:0.3992A P:47.723W PF:0.9928 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6218.16x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:



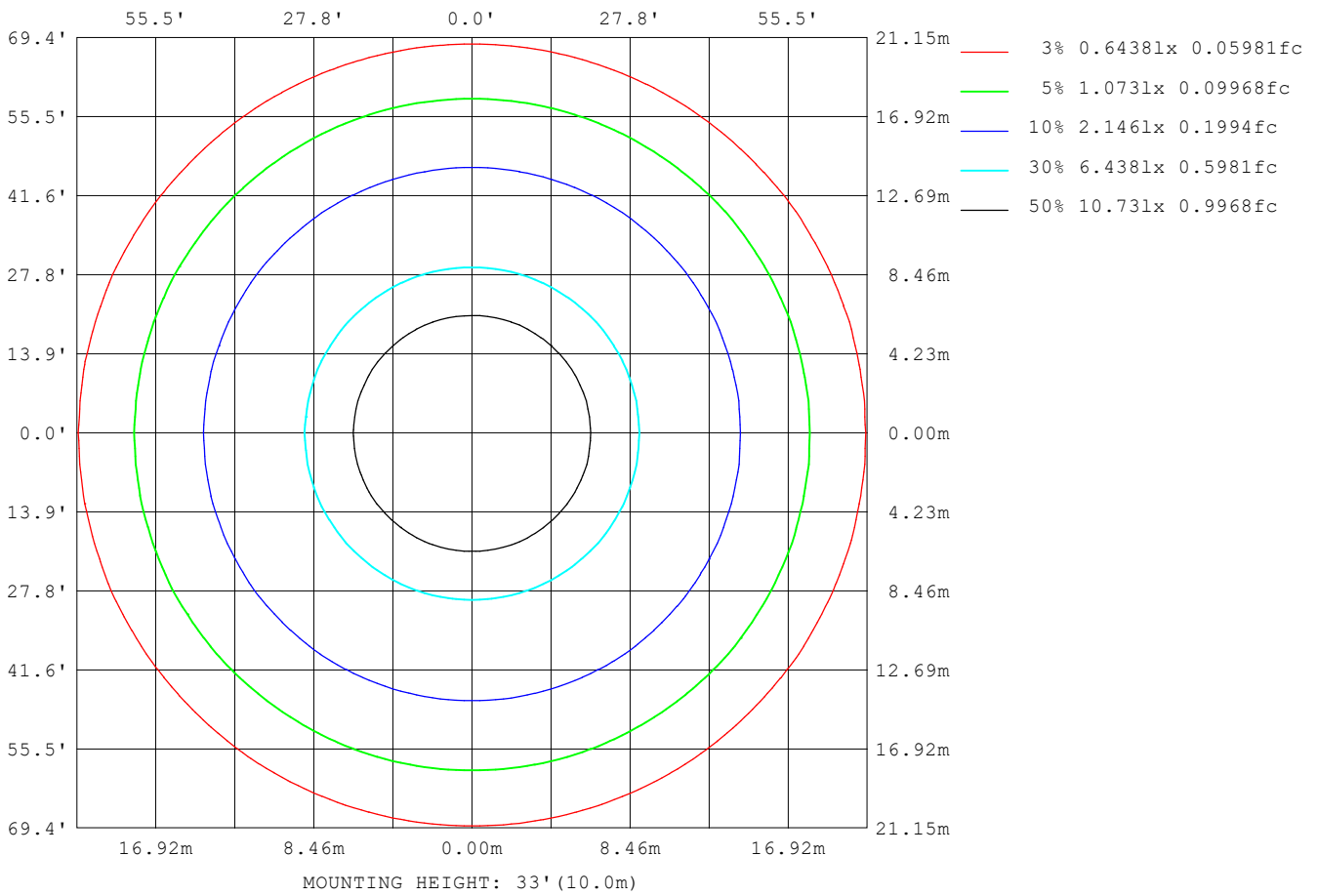
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3992A P:47.723W PF:0.9928 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6218.16x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 6500K	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:

LED Avg.L Report

Test:U:120.43V I:0.3992A P:47.723W PF:0.9928 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6218.16x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

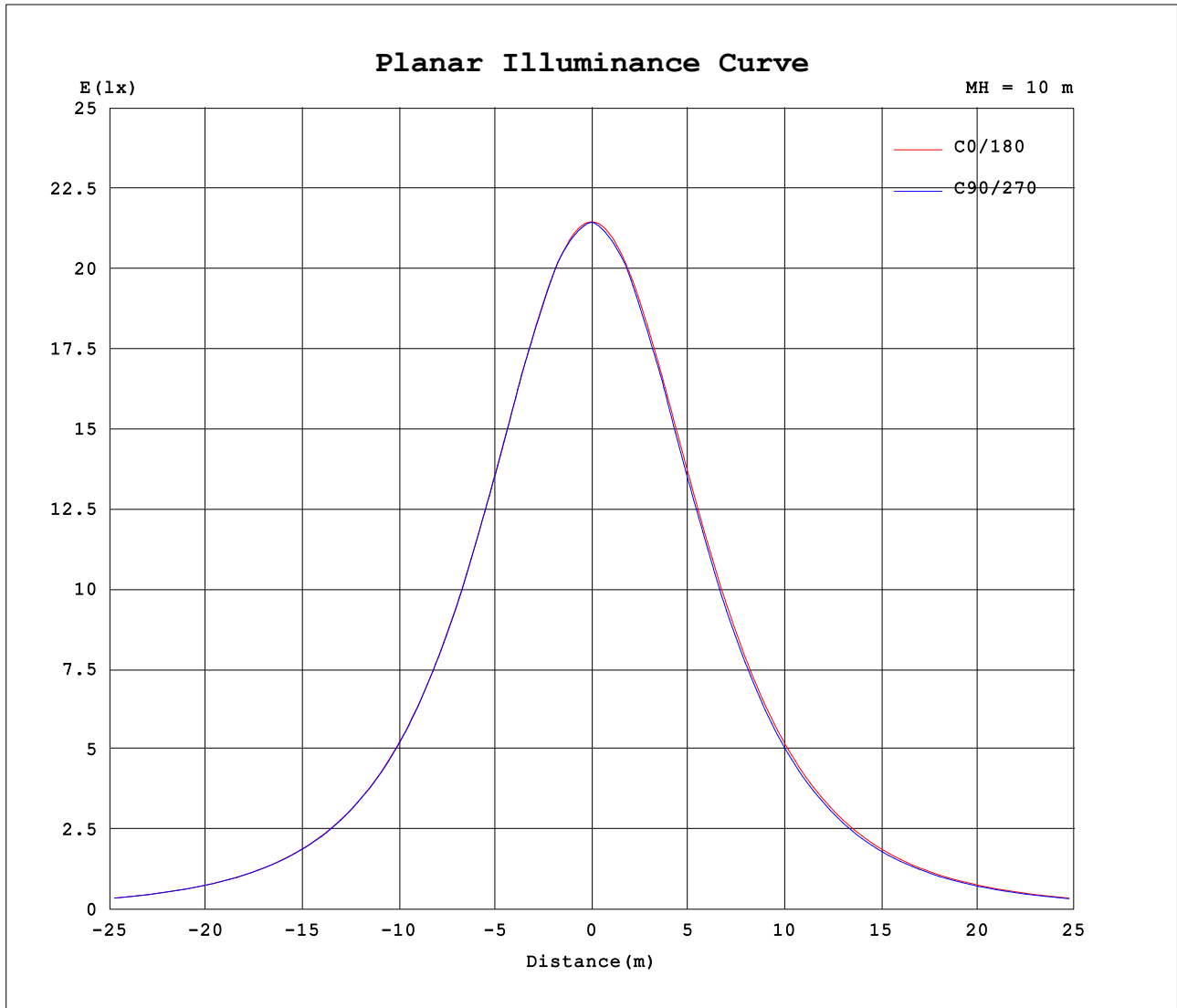
AvgL	cd/m2
L_0~180 (65) av	2968
L_0~180 (75) av	2599
L_0~180 (85) av	1635
L_90~270 (65) av	2893
L_90~270 (75) av	2547
L_90~270 (85) av	0
L_45 (65) av	2927
L_45 (75) av	2561
L_45 (85) av	1204

Standard: GB/T 29293-2012

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:

Planar Illuminance Curve



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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.43V I:0.3992A P:47.723W PF:0.9928 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6218.16x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1.155*0.545	Shielding Angle:

Table--1

UNIT: cd

γ (DEG)	C (DEG)																		
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146
5	2138	2136	2135	2134	2133	2132	2132	2131	2131	2131	2131	2131	2130	2130	2130	2130	2130	2130	2130
10	2112	2109	2107	2106	2105	2105	2105	2105	2106	2107	2108	2109	2110	2112	2113	2114	2114	2115	2115
15	2068	2065	2062	2061	2062	2063	2066	2068	2071	2070	2068	2066	2065	2064	2063	2063	2063	2063	2063
20	2008	2004	2002	2002	2005	2009	2012	2007	2005	2004	2004	2005	2006	2007	2009	2010	2011	2011	2011
25	1931	1927	1926	1928	1933	1933	1929	1928	1929	1931	1934	1933	1930	1928	1928	1927	1927	1926	1926
30	1839	1834	1834	1839	1841	1836	1836	1839	1842	1838	1836	1835	1836	1837	1838	1839	1840	1841	1840
35	1730	1726	1728	1735	1729	1729	1733	1731	1728	1729	1731	1735	1731	1729	1726	1725	1725	1724	1724
40	1607	1604	1609	1608	1606	1611	1608	1607	1610	1612	1607	1605	1604	1604	1605	1606	1607	1608	1608
45	1471	1468	1477	1470	1473	1471	1472	1477	1472	1469	1470	1472	1471	1468	1466	1465	1464	1464	1464
50	1321	1319	1323	1321	1322	1323	1327	1322	1321	1325	1320	1319	1318	1318	1319	1319	1320	1320	1319
55	1159	1158	1158	1162	1160	1164	1160	1162	1160	1158	1160	1162	1160	1157	1155	1154	1153	1152	1152
60	985	987	985	986	991	987	989	987	989	990	987	985	984	984	984	984	984	984	984
65	803	806	804	807	804	805	806	809	806	805	806	806	805	803	802	801	801	800	799
70	616	616	616	616	617	621	619	619	620	620	620	619	618	618	617	616	616	615	615
75	431	429	425	424	428	429	433	435	436	436	436	438	438	438	438	437	437	436	436
80	257	237	234	241	248	255	260	264	266	267	266	266	264	263	261	260	259	258	257
85	96.3	80.7	88.8	98.2	106	109	109	97.0	83.8	70.2	57.1	44.7	33.5	23.7	15.3	8.69	3.89	0.97	0.00
90	7.27	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:0.3992A P:47.723W PF:0.9928 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6218.16x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 6500K	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	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146
5	2130	2130	2130	2130	2130	2130	2130	2130	2130	2130	2131	2131	2132	2132	2133	2134	2136	2137	2135
10	2114	2114	2113	2112	2110	2109	2108	2107	2106	2105	2104	2104	2104	2104	2105	2106	2108	2111	2107
15	2063	2063	2063	2063	2063	2064	2064	2066	2068	2069	2065	2063	2061	2060	2060	2061	2064	2067	2062
20	2011	2010	2009	2008	2007	2005	2003	2002	2002	2003	2004	2008	2005	2001	1999	2000	2002	2007	2000
25	1926	1926	1926	1927	1927	1929	1932	1933	1929	1926	1925	1925	1928	1928	1924	1923	1925	1930	1923
30	1840	1839	1838	1836	1834	1833	1833	1833	1836	1840	1837	1833	1832	1835	1834	1830	1831	1837	1829
35	1724	1724	1724	1725	1726	1728	1731	1727	1725	1725	1728	1731	1725	1724	1728	1723	1723	1729	1720
40	1607	1606	1605	1604	1603	1601	1602	1603	1606	1605	1602	1605	1609	1602	1602	1602	1600	1607	1597
45	1463	1463	1464	1465	1466	1469	1470	1467	1466	1467	1471	1466	1468	1471	1465	1468	1463	1470	1461
50	1319	1318	1317	1316	1315	1314	1315	1318	1322	1318	1316	1319	1317	1319	1317	1316	1314	1320	1311
55	1152	1151	1152	1153	1154	1155	1157	1154	1154	1156	1160	1155	1157	1154	1161	1153	1152	1158	1150
60	984	983	982	981	981	980	980	981	984	983	982	986	983	984	982	982	981	985	979
65	799	799	799	800	801	802	803	802	801	801	803	801	803	800	800	804	800	803	798
70	615	614	614	613	614	614	615	615	616	618	615	613	611	608	605	606	610	615	610
75	436	435	435	435	435	434	433	431	430	431	431	428	423	416	411	407	417	430	428
80	257	257	258	259	260	261	262	262	262	261	258	253	250	243	233	224	223	253	256
85	0.97	3.87	8.63	15.2	23.4	33.0	44.0	55.9	68.6	81.6	94.1	106	105	101	93.6	83.3	71.4	86.1	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	6.52	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:0.3992A P:47.723W PF:0.9928 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6218.16x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 6500K	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	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146
5	2134	2132	2131	2130	2129	2128	2127	2126	2126	2126	2126	2125	2125	2125	2125	2125	2125	2125	2125
10	2105	2102	2100	2099	2098	2098	2098	2098	2099	2100	2101	2101	2102	2103	2104	2104	2104	2104	2104
15	2059	2056	2055	2054	2055	2057	2059	2057	2054	2052	2050	2049	2049	2048	2048	2048	2048	2048	2048
20	1996	1994	1995	1997	1998	1993	1990	1988	1987	1987	1987	1988	1989	1990	1990	1991	1991	1991	1991
25	1919	1918	1920	1918	1914	1911	1911	1912	1915	1912	1908	1905	1904	1903	1902	1902	1902	1902	1903
30	1825	1827	1826	1821	1820	1821	1823	1817	1812	1810	1810	1809	1810	1811	1811	1812	1812	1813	1812
35	1718	1721	1714	1713	1716	1711	1706	1704	1704	1706	1702	1699	1696	1694	1694	1693	1693	1694	1694
40	1597	1594	1592	1596	1589	1584	1584	1584	1578	1575	1573	1573	1573	1573	1574	1574	1574	1574	1574
45	1463	1457	1460	1454	1450	1452	1445	1442	1441	1442	1440	1436	1433	1431	1430	1429	1429	1429	1430
50	1311	1309	1308	1303	1303	1297	1297	1299	1292	1287	1285	1283	1283	1283	1283	1283	1284	1284	1284
55	1148	1153	1144	1144	1139	1141	1135	1130	1128	1128	1125	1122	1119	1118	1117	1116	1116	1117	1117
60	977	975	974	970	972	965	962	961	956	953	951	950	949	948	949	948	949	949	949
65	800	795	793	792	788	786	782	779	778	777	774	771	769	767	766	766	766	766	767
70	610	609	608	605	603	601	601	597	594	592	589	587	585	584	583	583	583	583	584
75	426	427	424	423	422	420	417	414	413	413	412	411	410	409	408	408	408	408	409
80	257	255	255	253	251	251	251	250	248	245	243	240	238	236	234	233	233	233	234
85	105	104	105	105	102	90.0	77.2	64.3	52.0	40.6	30.4	21.4	13.9	7.85	3.51	0.88	0.00	0.88	3.52
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:0.3992A P:47.723W PF:0.9928 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6218.16x1 lm		
NAME: BPL2-1212X603-50W-P-TCP 6500K	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	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146				
5	2125	2125	2126	2126	2126	2127	2127	2127	2128	2129	2130	2131	2133	2134	2136				
10	2103	2103	2102	2102	2100	2100	2099	2099	2099	2099	2100	2101	2103	2105	2108				
15	2048	2049	2050	2051	2053	2056	2059	2061	2059	2058	2057	2057	2057	2060	2063				
20	1990	1990	1989	1988	1988	1989	1990	1992	1996	2002	2000	1997	1997	1998	2002				
25	1903	1905	1906	1909	1913	1915	1914	1913	1914	1917	1923	1925	1922	1921	1925				
30	1812	1812	1812	1811	1812	1815	1818	1823	1823	1822	1825	1831	1832	1829	1832				
35	1696	1698	1700	1704	1709	1707	1707	1709	1713	1718	1716	1719	1727	1723	1723				
40	1574	1574	1574	1575	1577	1582	1588	1589	1588	1591	1597	1595	1600	1603	1601				
45	1432	1434	1437	1441	1443	1443	1445	1450	1458	1454	1457	1461	1461	1471	1465				
50	1285	1285	1286	1287	1289	1293	1299	1299	1301	1309	1308	1310	1312	1317	1316				
55	1119	1121	1125	1129	1132	1132	1133	1137	1142	1142	1150	1149	1153	1153	1156				
60	949	950	951	953	956	960	966	967	968	972	973	980	978	979	984				
65	768	770	772	775	778	780	782	786	791	791	793	795	800	800	803				
70	585	587	589	591	594	596	599	601	603	606	610	610	611	613	614				
75	410	411	413	414	415	416	417	420	422	424	426	429	429	431	430				
80	236	239	241	244	247	250	253	254	255	257	257	259	259	259	259				
85	7.88	13.9	21.5	30.6	41.0	52.7	65.3	78.6	92.0	105	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
 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]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146
2.5	2144	2143	2143	2142	2141	2141	2140	2140	2140	2139
5.0	2138	2136	2135	2134	2133	2132	2132	2131	2131	2131
7.5	2126	2124	2123	2122	2121	2120	2120	2120	2120	2120
10.0	2112	2109	2107	2106	2105	2105	2105	2105	2106	2107
12.5	2092	2089	2087	2086	2085	2086	2087	2088	2090	2092
15.0	2068	2065	2062	2061	2062	2063	2066	2068	2071	2070
17.5	2040	2036	2034	2034	2035	2037	2041	2044	2041	2038
20.0	2008	2004	2002	2002	2005	2009	2012	2007	2005	2004
22.5	1971	1967	1966	1967	1971	1976	1972	1969	1968	1968
25.0	1931	1927	1926	1928	1933	1933	1929	1928	1929	1931
27.5	1887	1882	1882	1885	1892	1886	1884	1884	1887	1891
30.0	1839	1834	1834	1839	1841	1836	1836	1839	1842	1838
32.5	1786	1782	1783	1790	1787	1784	1786	1791	1786	1784
35.0	1730	1726	1728	1735	1729	1729	1733	1731	1728	1729
37.5	1671	1667	1670	1674	1669	1671	1673	1670	1670	1673
40.0	1607	1604	1609	1608	1606	1611	1608	1607	1610	1612
42.5	1541	1537	1544	1541	1541	1543	1540	1543	1546	1541
45.0	1471	1468	1477	1470	1473	1471	1472	1477	1472	1469
47.5	1398	1395	1402	1396	1401	1397	1402	1400	1397	1397
50.0	1321	1319	1323	1321	1322	1323	1327	1322	1321	1325
52.5	1242	1240	1242	1242	1243	1242	1244	1242	1246	1242
55.0	1159	1158	1158	1162	1160	1164	1160	1162	1160	1158
57.5	1073	1074	1072	1074	1077	1076	1076	1076	1076	1076
60.0	985.2	986.9	984.6	985.5	991.3	986.6	989.0	986.9	989.0	990.2
62.5	894.6	898.7	895.3	896.1	897.3	898.4	897.0	898.8	900.7	897.3
65.0	802.7	805.8	804.3	807.1	804.2	805.5	806.1	809.4	806.0	805.3
67.5	709.0	711.1	709.3	712.8	712.6	712.2	716.0	713.5	712.7	713.8
70.0	616.0	615.9	615.9	616.3	617.2	621.1	619.3	619.4	620.4	620.1
72.5	522.2	521.9	523.9	521.5	523.0	524.8	524.9	526.8	527.3	527.1
75.0	430.9	429.5	425.0	423.7	427.8	429.4	432.8	435.4	435.9	435.5
77.5	342.2	333.8	325.7	330.1	333.6	339.0	344.2	346.3	348.0	349.8
80.0	256.7	237.0	234.1	240.8	247.8	255.2	259.5	264.1	266.4	266.8
82.5	174.1	148.8	155.1	162.9	171.7	178.8	183.7	185.7	185.9	184.6
85.0	96.29	80.67	88.76	98.24	105.6	109.1	109.4	97.02	83.75	70.22
87.5	29.78	36.50	40.28	41.83	30.24	15.82	0	0	0	0
90.0	7.267	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	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146
2.5	2139	2139	2139	2139	2138	2138	2138	2138	2138	2138
5.0	2131	2131	2130	2130	2130	2130	2130	2130	2130	2130
7.5	2120	2120	2121	2122	2122	2122	2122	2122	2123	2122
10.0	2108	2109	2110	2112	2113	2114	2114	2115	2115	2114
12.5	2095	2095	2093	2091	2090	2090	2089	2089	2089	2089
15.0	2068	2066	2065	2064	2063	2063	2063	2063	2063	2063
17.5	2037	2036	2036	2036	2036	2037	2037	2037	2037	2037
20.0	2004	2005	2006	2007	2009	2010	2011	2011	2011	2011
22.5	1970	1972	1975	1974	1972	1970	1970	1969	1969	1969
25.0	1934	1933	1930	1928	1928	1927	1927	1926	1926	1926
27.5	1886	1884	1883	1883	1883	1883	1883	1883	1883	1883
30.0	1836	1835	1836	1837	1838	1839	1840	1841	1840	1840
32.5	1784	1785	1788	1790	1787	1785	1784	1783	1782	1782
35.0	1731	1735	1731	1729	1726	1725	1725	1724	1724	1724
37.5	1675	1671	1668	1667	1666	1666	1666	1666	1666	1666
40.0	1607	1605	1604	1604	1605	1606	1607	1608	1608	1607
42.5	1539	1539	1540	1542	1540	1538	1537	1536	1536	1536
45.0	1470	1472	1471	1468	1466	1465	1464	1464	1464	1463
47.5	1401	1397	1394	1393	1392	1392	1392	1392	1392	1391
50.0	1320	1319	1318	1318	1319	1319	1320	1320	1319	1319
52.5	1240	1240	1241	1243	1241	1239	1238	1236	1236	1236
55.0	1160	1162	1160	1157	1155	1154	1153	1152	1152	1152
57.5	1078	1074	1072	1070	1069	1069	1068	1068	1068	1068
60.0	987.1	984.8	983.8	983.5	983.6	983.7	984.0	984.3	983.9	983.8
62.5	896.1	895.8	896.0	896.8	895.2	893.7	892.9	892.3	891.7	891.7
65.0	805.7	806.5	804.8	803.4	802.4	801.2	800.5	800.0	799.4	799.2
67.5	713.3	712.4	711.3	709.4	709.4	708.7	708.1	707.7	707.1	706.9
70.0	619.6	619.0	618.3	617.7	616.7	616.3	615.8	615.4	614.9	614.5
72.5	526.8	526.4	525.8	526.6	526.3	526.4	526.1	525.9	525.4	525.1
75.0	436.2	437.7	438.3	438.5	437.9	437.5	436.9	436.5	435.9	435.7
77.5	350.9	351.4	351.1	350.6	349.6	348.6	347.7	347.0	346.5	346.3
80.0	266.5	265.6	264.4	263.0	261.5	259.9	258.5	257.6	257.0	256.9
82.5	179.6	169.0	159.3	150.5	143.1	136.9	132.4	129.6	128.5	129.2
85.0	57.07	44.73	33.53	23.67	15.33	8.694	3.885	0.9741	0	0.9712

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	0
90.0	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	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146
2.5	2138	2138	2138	2138	2138	2139	2139	2139	2140	2140	2140
5.0	2130	2130	2130	2130	2130	2130	2130	2130	2130	2131	2131
7.5	2122	2122	2121	2121	2120	2119	2119	2119	2119	2119	2119
10.0	2114	2113	2112	2110	2109	2108	2107	2106	2105	2104	2104
12.5	2089	2089	2089	2090	2092	2093	2093	2090	2088	2086	2086
15.0	2063	2063	2063	2063	2064	2064	2066	2068	2069	2065	2065
17.5	2037	2036	2035	2035	2035	2034	2035	2035	2037	2040	2040
20.0	2010	2009	2008	2007	2005	2003	2002	2002	2003	2004	2004
22.5	1969	1970	1972	1973	1974	1971	1968	1966	1966	1966	1966
25.0	1926	1926	1927	1927	1929	1932	1933	1929	1926	1925	1925
27.5	1883	1882	1881	1881	1881	1883	1885	1889	1885	1882	1882
30.0	1839	1838	1836	1834	1833	1833	1833	1836	1840	1837	1837
32.5	1783	1783	1785	1787	1785	1782	1781	1781	1784	1789	1789
35.0	1724	1724	1725	1726	1728	1731	1727	1725	1725	1728	1728
37.5	1665	1665	1664	1664	1665	1667	1670	1668	1665	1666	1666
40.0	1606	1605	1604	1603	1601	1602	1603	1606	1605	1602	1602
42.5	1536	1537	1539	1541	1538	1536	1535	1536	1540	1537	1537
45.0	1463	1464	1465	1466	1469	1470	1467	1466	1467	1471	1471
47.5	1391	1390	1390	1391	1392	1395	1398	1394	1393	1394	1394
50.0	1318	1317	1316	1315	1314	1315	1318	1322	1318	1316	1316
52.5	1236	1237	1238	1239	1237	1236	1236	1238	1243	1238	1238
55.0	1151	1152	1153	1154	1155	1157	1154	1154	1156	1160	1160
57.5	1067	1067	1067	1067	1068	1069	1072	1070	1069	1073	1073
60.0	983.1	982.2	981.5	980.8	980.2	980.4	981.3	983.7	982.6	982.2	982.2
62.5	891.8	892.1	892.8	894.6	893.0	892.0	891.4	891.9	893.9	892.7	892.7
65.0	799.2	799.3	799.6	800.6	801.6	803.1	801.9	800.7	800.9	802.6	802.6
67.5	706.7	706.6	706.4	707.0	707.5	708.3	709.7	710.3	708.6	708.1	708.1
70.0	614.1	613.9	613.4	613.8	614.0	614.7	615.5	616.2	617.5	615.3	615.3
72.5	524.5	524.1	523.0	522.4	521.1	521.6	522.0	522.5	523.2	523.4	523.4
75.0	435.4	435.3	435.0	434.7	434.0	432.8	431.1	429.9	430.7	430.6	430.6
77.5	346.4	346.6	347.0	347.3	347.3	346.8	346.3	344.6	342.1	340.3	340.3
80.0	257.3	258.1	259.3	260.2	261.0	261.7	262.3	262.2	261.2	258.5	258.5
82.5	131.7	136.0	141.8	148.8	156.9	166.1	176.0	180.7	181.6	181.0	181.0
85.0	3.866	8.634	15.20	23.40	33.03	43.98	55.91	68.64	81.57	94.10	94.10
87.5	0	0	0	0	0	0	0	0	0	0	0
90.0	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	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146
2.5	2140	2141	2141	2142	2143	2143	2144	2143	2142	2141	2141
5.0	2131	2132	2132	2133	2134	2136	2137	2135	2134	2132	2132
7.5	2119	2120	2120	2121	2123	2124	2126	2123	2121	2119	2119
10.0	2104	2104	2104	2105	2106	2108	2111	2107	2105	2102	2102
12.5	2085	2084	2084	2084	2086	2088	2091	2087	2084	2081	2081
15.0	2063	2061	2060	2060	2061	2064	2067	2062	2059	2056	2056
17.5	2038	2034	2032	2032	2033	2035	2039	2033	2029	2027	2027
20.0	2008	2005	2001	1999	2000	2002	2007	2000	1996	1994	1994
22.5	1968	1972	1966	1963	1963	1965	1970	1963	1959	1958	1958
25.0	1925	1928	1928	1924	1923	1925	1930	1923	1919	1918	1918
27.5	1881	1882	1886	1881	1878	1880	1885	1877	1874	1874	1874
30.0	1833	1832	1835	1834	1830	1831	1837	1829	1825	1827	1827
32.5	1783	1780	1781	1783	1779	1779	1785	1776	1774	1776	1776
35.0	1731	1725	1724	1728	1723	1723	1729	1720	1718	1721	1721
37.5	1671	1668	1665	1667	1664	1663	1670	1660	1659	1659	1659
40.0	1605	1609	1602	1602	1602	1600	1607	1597	1597	1594	1594
42.5	1536	1541	1537	1535	1537	1533	1540	1531	1532	1527	1527
45.0	1466	1468	1471	1465	1468	1463	1470	1461	1463	1457	1457
47.5	1395	1393	1399	1392	1394	1390	1397	1387	1388	1384	1384
50.0	1319	1317	1319	1317	1316	1314	1320	1311	1311	1309	1309
52.5	1238	1239	1238	1240	1236	1234	1241	1232	1231	1233	1233
55.0	1155	1157	1154	1161	1153	1152	1158	1150	1148	1153	1153
57.5	1072	1070	1071	1071	1069	1068	1073	1065	1064	1064	1064
60.0	986.3	982.8	984.0	982.1	981.9	980.8	985.1	978.7	977.3	975.3	975.3
62.5	893.1	896.5	892.0	891.6	894.2	891.8	895.3	890.0	890.2	885.2	885.2
65.0	801.2	802.5	800.1	800.4	804.2	799.8	803.1	797.9	800.3	795.3	795.3
67.5	709.4	706.2	707.9	703.8	705.6	704.9	709.3	703.7	704.1	701.7	701.7
70.0	613.2	610.7	608.3	605.0	606.3	609.9	615.4	610.2	609.6	608.6	608.6
72.5	519.7	514.9	510.1	509.3	507.2	513.5	521.8	517.6	517.6	519.0	519.0
75.0	428.2	422.6	415.7	410.6	407.1	416.9	430.0	428.5	426.4	426.5	426.5
77.5	338.6	334.1	326.5	317.6	313.5	318.9	342.0	341.3	341.0	338.7	338.7

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	253.4	249.6	243.4	233.4	223.7	222.8	252.6	256.4	256.6	255.5
82.5	178.6	173.6	166.6	158.7	146.2	137.9	165.5	177.8	177.8	177.3
85.0	105.5	105.2	101.4	93.59	83.31	71.37	86.09	105.1	105.1	104.1
87.5	0	15.19	28.73	38.82	35.42	31.28	24.88	41.75	42.31	40.51
90.0	0	0	0	0	0	0	6.520	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	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146
2.5	2141	2140	2139	2139	2138	2137	2137	2136	2136	2136
5.0	2131	2130	2129	2128	2127	2126	2126	2126	2126	2125
7.5	2118	2116	2115	2114	2114	2114	2113	2113	2114	2114
10.0	2100	2099	2098	2098	2098	2098	2099	2100	2101	2101
12.5	2079	2078	2078	2079	2080	2081	2083	2082	2081	2079
15.0	2055	2054	2055	2057	2059	2057	2054	2052	2050	2049
17.5	2027	2027	2029	2030	2026	2023	2021	2020	2019	2019
20.0	1995	1997	1998	1993	1990	1988	1987	1987	1987	1988
22.5	1959	1962	1957	1953	1951	1951	1952	1953	1955	1953
25.0	1920	1918	1914	1911	1911	1912	1915	1912	1908	1905
27.5	1878	1871	1868	1867	1869	1871	1865	1862	1859	1858
30.0	1826	1821	1820	1821	1823	1817	1812	1810	1810	1809
32.5	1772	1768	1769	1773	1765	1761	1759	1758	1759	1761
35.0	1714	1713	1716	1711	1706	1704	1704	1706	1702	1699
37.5	1654	1655	1656	1649	1646	1646	1646	1641	1638	1636
40.0	1592	1596	1589	1584	1584	1584	1578	1575	1573	1573
42.5	1527	1527	1520	1519	1519	1513	1510	1509	1509	1510
45.0	1460	1454	1450	1452	1445	1442	1441	1442	1440	1436
47.5	1388	1379	1379	1376	1371	1371	1373	1366	1362	1359
50.0	1308	1303	1303	1297	1297	1299	1292	1287	1285	1283
52.5	1227	1226	1221	1219	1222	1214	1210	1208	1207	1207
55.0	1144	1144	1139	1141	1135	1130	1128	1128	1125	1122
57.5	1060	1057	1057	1054	1049	1047	1046	1042	1038	1036
60.0	974.2	970.5	971.6	964.8	962.4	961.1	956.3	953.2	951.1	949.7
62.5	883.4	884.9	879.1	875.8	874.3	869.9	866.9	865.1	864.4	863.5
65.0	792.8	792.0	787.5	786.4	782.0	779.4	778.1	776.9	773.8	771.1
67.5	703.6	697.8	696.8	692.7	691.0	690.0	687.0	684.1	681.2	678.8
70.0	607.7	605.4	602.8	601.2	600.6	597.3	594.1	591.6	589.1	586.8
72.5	514.6	512.6	511.6	510.4	508.0	505.0	502.2	499.7	497.2	496.8
75.0	424.5	423.2	422.3	419.8	417.1	414.0	412.7	412.7	411.8	410.9
77.5	337.8	336.9	334.8	331.5	330.1	330.3	329.8	328.7	327.0	325.4
80.0	255.2	253.4	251.0	251.2	250.9	249.6	247.6	245.2	242.5	240.1
82.5	175.5	176.2	176.1	174.9	172.9	169.8	163.7	153.5	144.2	136.2
85.0	105.4	104.8	102.3	89.98	77.16	64.32	52.02	40.62	30.37	21.40
87.5	28.95	14.96	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	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146
2.5	2136	2135	2135	2135	2135	2135	2135	2136	2136	2136
5.0	2125	2125	2125	2125	2125	2125	2125	2125	2125	2126
7.5	2114	2114	2114	2114	2114	2114	2114	2114	2114	2114
10.0	2102	2103	2104	2104	2104	2104	2104	2103	2103	2102
12.5	2078	2077	2076	2076	2076	2076	2077	2077	2078	2080
15.0	2049	2048	2048	2048	2048	2048	2048	2048	2049	2050
17.5	2019	2019	2019	2019	2019	2019	2020	2020	2019	2020
20.0	1989	1990	1990	1991	1991	1991	1991	1990	1990	1989
22.5	1950	1949	1947	1947	1946	1947	1948	1949	1951	1953
25.0	1904	1903	1902	1902	1902	1902	1903	1903	1905	1906
27.5	1857	1857	1857	1857	1857	1857	1857	1858	1858	1859
30.0	1810	1811	1811	1812	1812	1813	1812	1812	1812	1812
32.5	1757	1755	1754	1753	1753	1753	1754	1757	1759	1764
35.0	1696	1694	1694	1693	1693	1694	1694	1696	1698	1700
37.5	1635	1634	1634	1634	1634	1634	1634	1635	1636	1637
40.0	1573	1573	1574	1574	1574	1574	1574	1574	1574	1574
42.5	1508	1505	1503	1502	1502	1502	1503	1505	1508	1511
45.0	1433	1431	1430	1429	1429	1429	1430	1432	1434	1437
47.5	1358	1357	1356	1356	1356	1357	1357	1358	1359	1361
50.0	1283	1283	1283	1283	1284	1284	1284	1285	1285	1286
52.5	1205	1202	1201	1200	1200	1201	1202	1204	1207	1210
55.0	1119	1118	1117	1116	1116	1117	1117	1119	1121	1125
57.5	1034	1033	1033	1032	1032	1033	1033	1034	1036	1038
60.0	948.8	948.4	948.5	948.2	948.6	948.5	948.7	949.3	950.0	951.3
62.5	861.1	859.1	858.0	857.1	857.1	857.4	858.3	859.9	861.9	864.8
65.0	769.0	767.4	766.3	765.7	765.6	766.0	766.8	768.3	770.0	772.4
67.5	677.0	675.7	674.6	674.3	674.2	674.6	675.4	676.8	678.3	680.4
70.0	585.2	584.1	583.0	582.9	582.7	583.3	584.0	585.4	586.9	588.8

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]

72.5	496.3	495.9	495.3	495.3	495.2	495.7	496.2	497.2	498.2	498.9
75.0	409.9	409.0	408.1	407.8	407.8	408.1	408.9	410.2	411.5	412.8
77.5	323.8	322.2	321.0	320.3	320.3	320.6	321.6	323.2	325.0	326.9
80.0	237.8	235.5	233.9	232.9	232.8	233.1	234.5	236.4	238.8	241.4
82.5	129.3	123.6	119.6	117.1	116.4	117.2	119.9	124.1	129.8	136.9
85.0	13.86	7.850	3.509	0.8801	0	0.8809	3.518	7.882	13.92	21.53
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	2146	2146	2146	2146	2146	2146	2146	2146	2146	2146
2.5	2136	2137	2137	2137	2138	2139	2139	2140	2141	2141
5.0	2126	2126	2127	2127	2127	2128	2129	2130	2131	2133
7.5	2114	2114	2114	2114	2114	2115	2116	2117	2118	2120
10.0	2102	2100	2100	2099	2099	2099	2099	2100	2101	2103
12.5	2081	2084	2084	2083	2081	2081	2080	2080	2081	2082
15.0	2051	2053	2056	2059	2061	2059	2058	2057	2057	2057
17.5	2020	2021	2023	2025	2029	2034	2032	2029	2029	2029
20.0	1988	1988	1989	1990	1992	1996	2002	2000	1997	1997
22.5	1955	1954	1953	1952	1954	1956	1960	1966	1967	1961
25.0	1909	1913	1915	1914	1913	1914	1917	1923	1925	1922
27.5	1861	1863	1867	1872	1870	1869	1871	1875	1883	1879
30.0	1811	1812	1815	1818	1823	1823	1822	1825	1831	1832
32.5	1762	1761	1761	1763	1767	1774	1771	1771	1776	1782
35.0	1704	1709	1707	1707	1709	1713	1718	1716	1719	1727
37.5	1640	1644	1650	1650	1649	1651	1657	1657	1658	1665
40.0	1575	1577	1582	1588	1589	1588	1591	1597	1595	1600
42.5	1510	1511	1513	1517	1524	1523	1523	1529	1529	1532
45.0	1441	1443	1443	1445	1450	1458	1454	1457	1461	1461
47.5	1364	1368	1373	1372	1374	1380	1384	1383	1389	1388
50.0	1287	1289	1293	1299	1299	1301	1309	1308	1310	1312
52.5	1210	1211	1213	1216	1223	1222	1226	1232	1230	1234
55.0	1129	1132	1132	1133	1137	1142	1142	1150	1149	1153
57.5	1041	1045	1051	1051	1052	1056	1059	1062	1066	1066
60.0	953.2	955.9	960.0	965.9	966.8	967.5	972.3	973.0	980.4	977.6
62.5	865.9	867.3	869.7	873.5	879.0	880.0	881.1	885.2	887.2	888.5
65.0	775.2	778.5	779.8	781.8	785.5	791.0	790.9	793.0	794.5	800.2
67.5	682.9	685.7	688.4	691.0	692.9	696.3	701.6	700.5	703.5	706.6
70.0	591.1	593.6	596.2	598.7	601.2	603.2	606.4	610.5	609.7	611.4
72.5	499.8	502.1	504.8	507.3	509.8	511.8	513.6	516.9	518.8	519.4
75.0	414.2	415.1	415.7	417.3	420.1	422.5	424.2	425.7	429.0	428.9
77.5	329.0	330.8	332.5	333.6	333.9	335.6	337.9	339.0	340.6	343.7
80.0	244.2	247.2	250.0	252.5	254.2	255.1	255.0	256.6	257.4	258.8
82.5	145.3	155.0	165.7	172.3	175.6	178.1	179.4	179.5	179.0	179.6
85.0	30.60	41.03	52.66	65.34	78.58	92.01	104.9	107.3	108.0	107.0
87.5	0	0	0	0	0	0	0	15.36	29.75	41.83
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	2146	2146								
2.5	2142	2143								
5.0	2134	2136								
7.5	2122	2124								
10.0	2105	2108								
12.5	2085	2088								
15.0	2060	2063								
17.5	2031	2035								
20.0	1998	2002								
22.5	1962	1965								
25.0	1921	1925								
27.5	1877	1880								
30.0	1829	1832								
32.5	1778	1779								
35.0	1723	1723								
37.5	1665	1664								
40.0	1603	1601								
42.5	1538	1534								
45.0	1471	1465								
47.5	1396	1392								
50.0	1317	1316								
52.5	1236	1237								
55.0	1153	1156								
57.5	1067	1071								
60.0	979.2	984.2								
62.5	890.2	895.9								

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	799.8	803.4
67.5	705.5	708.9
70.0	612.8	614.2
72.5	522.4	520.6
75.0	431.0	429.8
77.5	342.5	342.2
80.0	258.8	259.0
82.5	180.9	180.3
85.0	107.2	107.4
87.5	44.42	43.85
90.0	0	0

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: