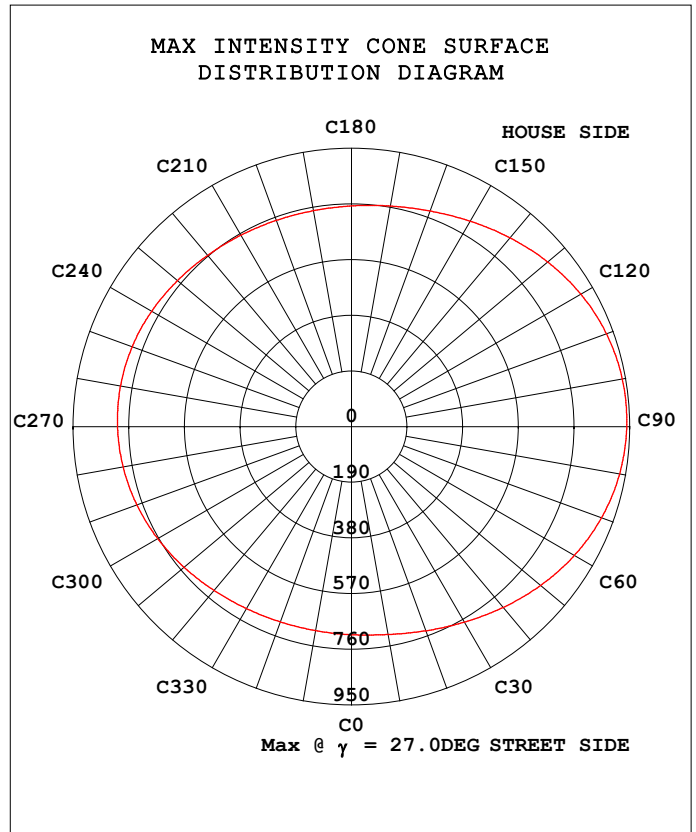
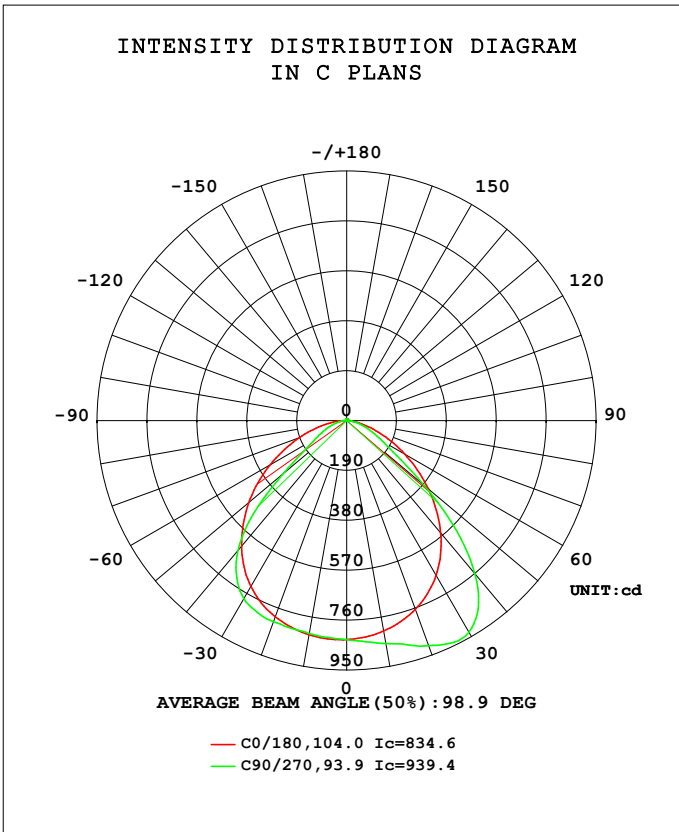


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.75V I:0.1189A P:14.089W PF:0.9893 Freq:59.98Hz Lamp Flux:2215.06x1 lm		
NAME: 15W 4K G3 投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.13*0.31	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.22 lm/W			
MODEL		I _{max} (cd)	939.4	η street_up (%)	0.5
NOMINAL POWER (W)		LOR (%)	100.0	η street_down (%)	52.7
RATED VOLTAGE (V)		TOTAL FLUX (lm)	2215	η house_up (%)	0.3
NOMINAL FLUX (lm)	2215.06	MAXIMUM @ (C, γ)	90,27.0	η house_down (%)	46.5
LAMPS INSIDE	1	η up (%)	0.8	76 FLASHAREA (m2)	
TEST VOLTAGE (V)		η down (%)	99.2	SLI	

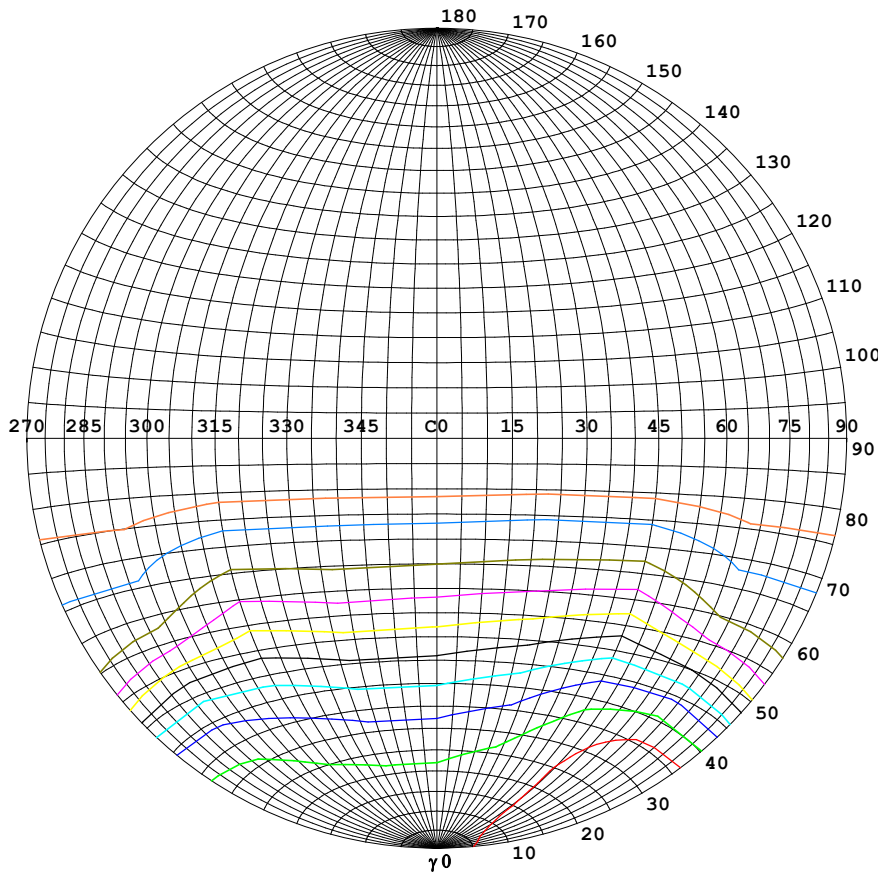


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2023-10-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:119.75V I:0.1189A P:14.089W PF:0.9893 Freq:59.98Hz Lamp Flux:2215.06x1 lm		
NAME: 15W 4K G3 投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.13*0.31	Shielding Angle:



Classification:

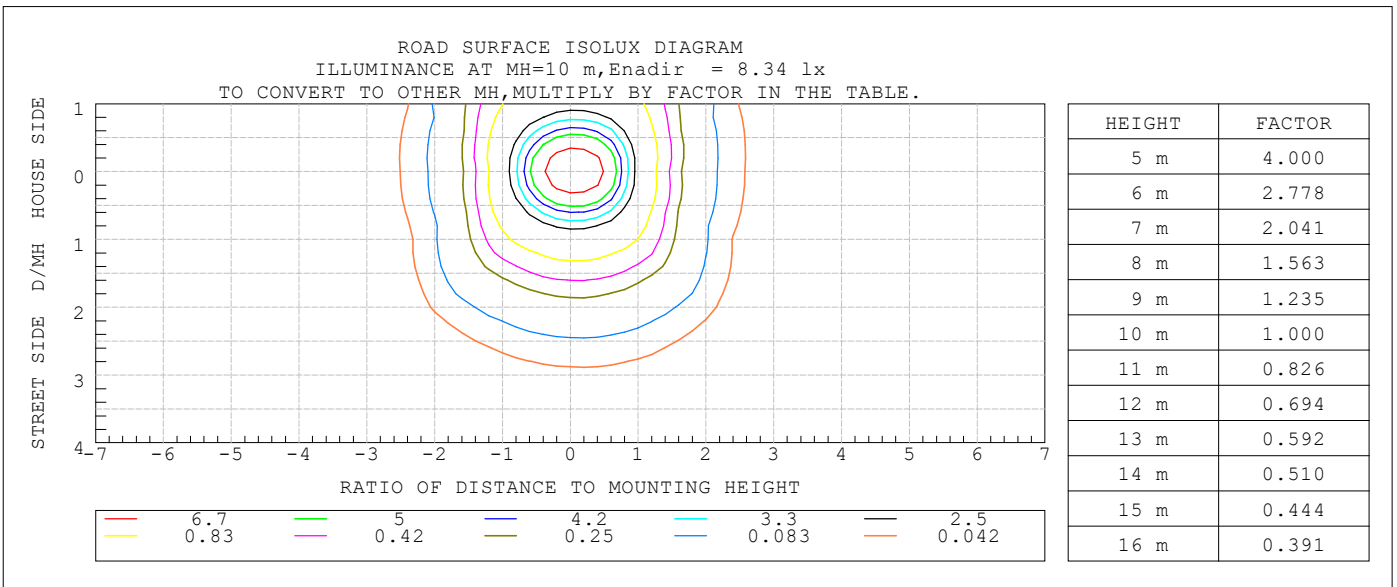
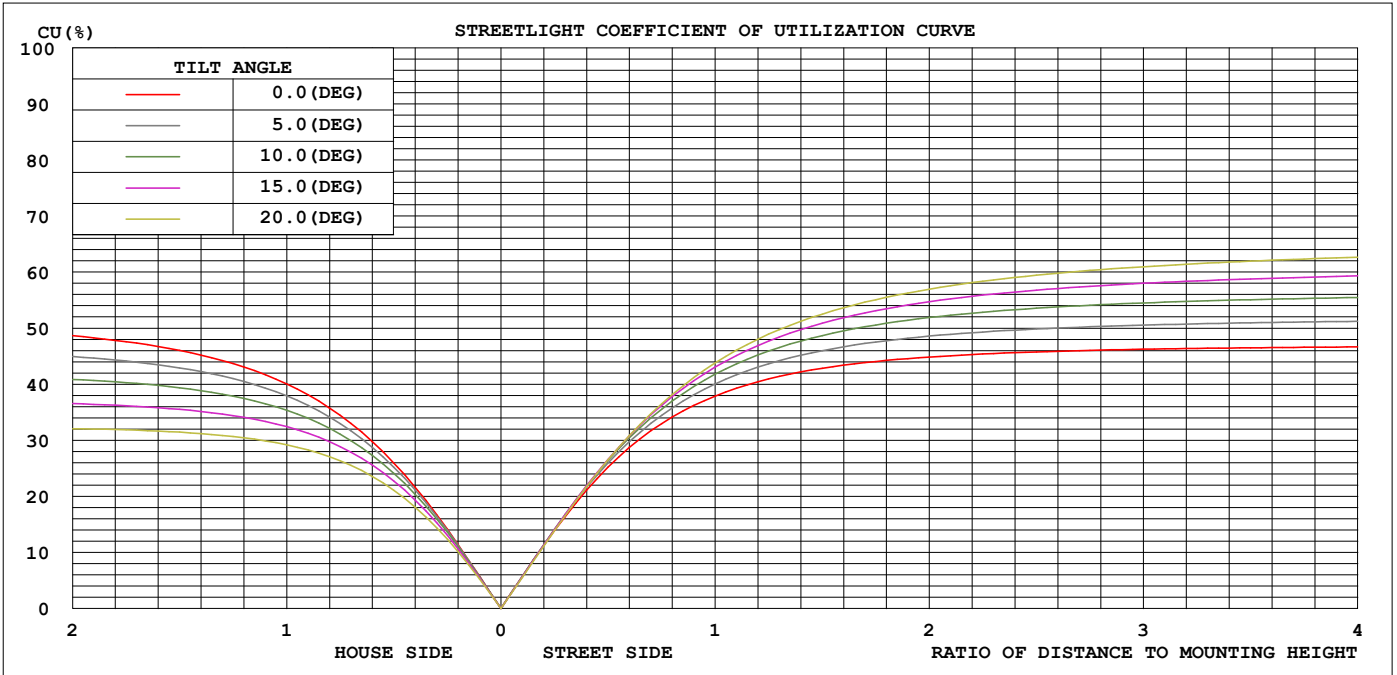
IES:Type II - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:38.16cd/klm
 Max.At90:3.594cd/klm
 Max.80-90:38.16cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	939
— 90%	845
— 80%	752
— 70%	658
— 60%	564
— 50%	470
— 40%	376
— 30%	282
— 20%	188
— 10%	94
— 5%	47

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2023-10-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM**



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators:
Test Date: 2023-10-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:119.75V I:0.1189A P:14.089W PF:0.9893 Freq:59.98Hz Lamp Flux:2215.06x1 lm		
NAME: 15W 4K G3 投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.13*0.31	Shielding Angle:

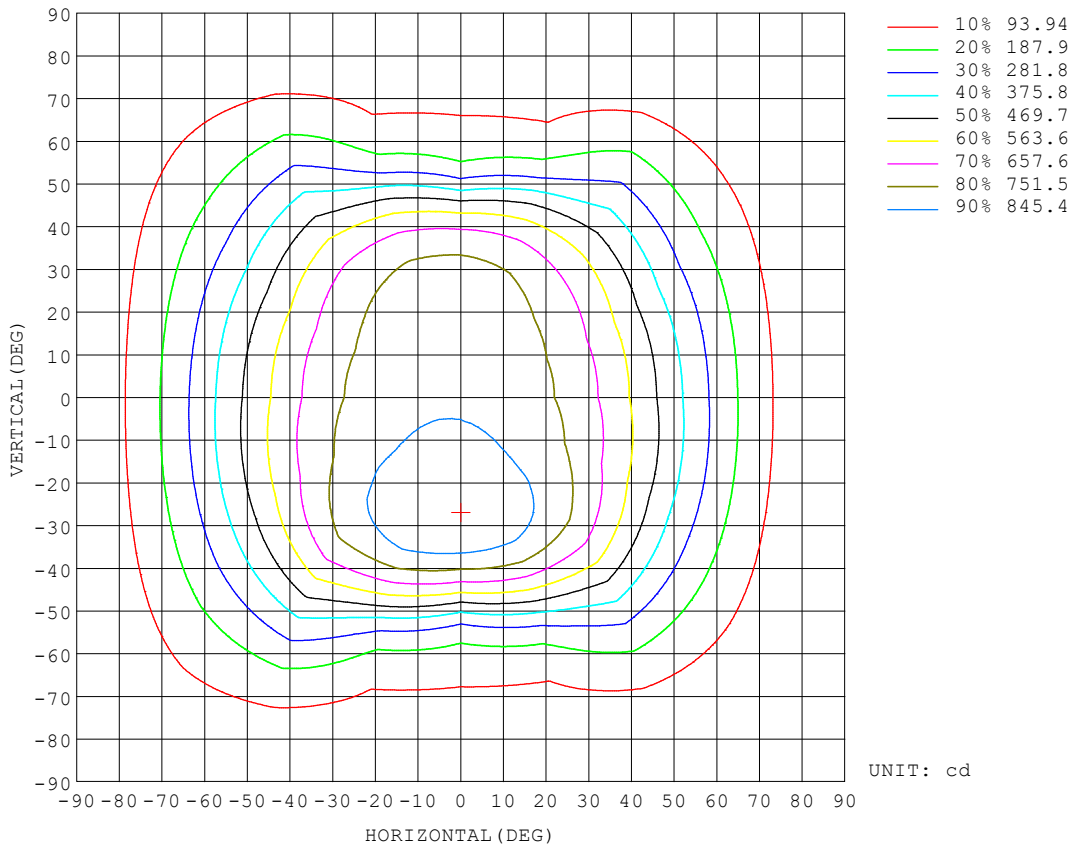
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	
10	813.4	839.0	861.7	849.1	827.8	825.4	822.7	815.4	0- 10	79.53	79.53	79.53
20	764.7	834.4	911.6	856.9	794.9	798.9	814.1	778.3	10- 20	234.1	313.7	313.7
30	681.2	811.0	930.5	851.4	729.7	754.2	783.3	717.0	20- 30	372.2	685.9	685.9
40	556.7	719.4	759.0	784.0	622.9	661.6	643.2	604.3	30- 40	459.0	1145	1145
50	407.3	532.8	387.8	612.3	486.7	508.7	318.4	443.0	40- 50	439.7	1585	1585
60	255.3	320.0	158.5	391.4	336.0	333.7	133.9	275.3	50- 60	313.6	1898	1898
70	126.6	146.8	80.19	196.7	193.4	172.4	72.99	128.5	60- 70	187.7	2086	2086
80	34.91	38.79	30.07	68.74	80.13	60.66	28.79	34.79	70- 80	89.80	2176	2176
90	0.7572	0.5450	0.4491	4.501	7.961	4.605	0.5872	0.7137	80- 90	21.29	2197	2197
100	1.281	0.9609	0.5444	0.8007	0.9060	1.090	0.8823	1.323	90-100	1.030	2198	2198
110	2.014	1.630	1.177	1.385	1.527	1.852	1.824	2.208	100-110	1.403	2199	2199
120	2.843	2.499	2.054	2.178	2.316	2.809	3.046	3.246	110-120	2.138	2202	2202
130	3.689	3.360	3.060	3.012	3.170	3.739	4.140	4.155	120-130	2.769	2204	2204
140	4.454	4.102	3.901	3.789	3.991	4.564	4.868	4.848	130-140	3.046	2207	2207
150	5.135	4.763	4.530	4.566	4.764	5.301	5.381	5.421	140-150	2.912	2210	2210
160	5.724	5.424	5.267	5.348	5.465	5.946	6.074	6.006	150-160	2.453	2213	2213
170	6.217	6.061	5.997	6.033	6.070	6.370	6.555	6.470	160-170	1.680	2214	2214
180	6.490	6.514	6.554	6.582	6.486	6.522	6.554	6.586	170-180	0.6061	2215	2215
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2023-10-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

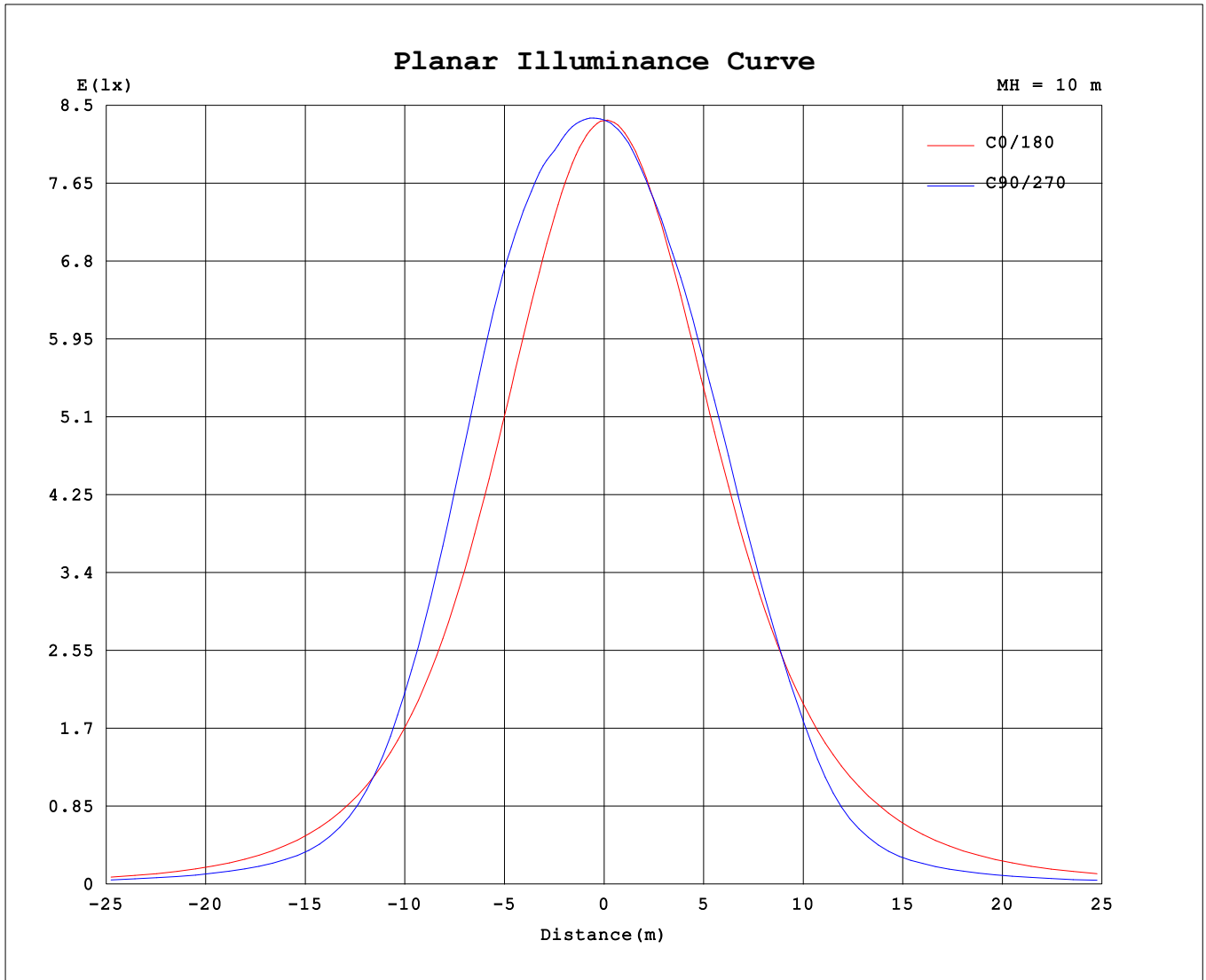
Test:U:119.75V I:0.1189A P:14.089W PF:0.9893 Freq:59.98Hz Lamp Flux:2215.06x1 lm		
NAME: 15W 4K G3 投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.13*0.31	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2023-10-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

Planar Illuminance Curve



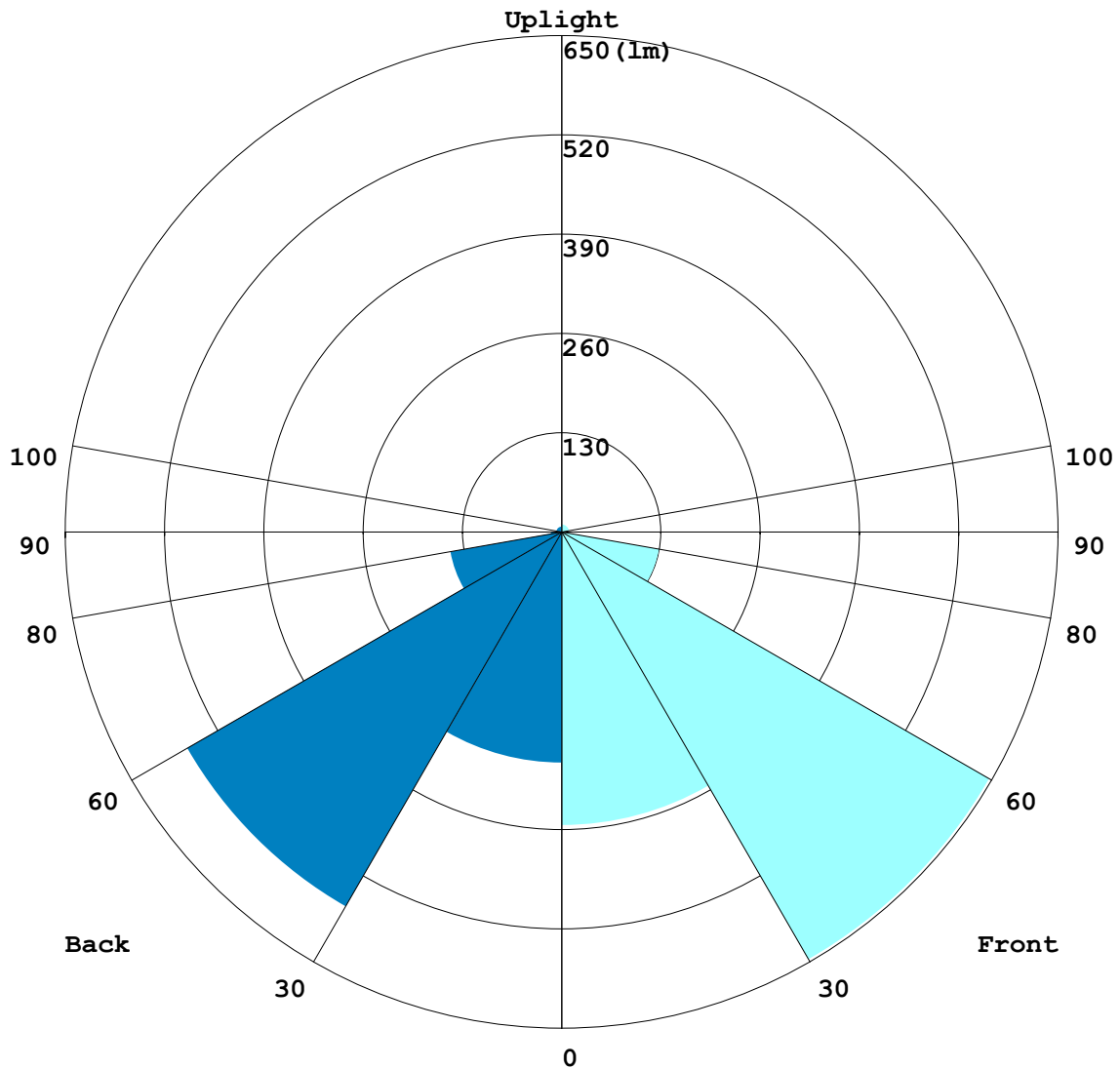
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2023-10-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 7.100m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:119.75V I:0.1189A P:14.089W PF:0.9893 Freq:59.98Hz Lamp Flux:2215.06x1 lm		
NAME: 15W 4K G3 投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.13*0.31	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2023-10-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:119.75V I:0.1189A P:14.089W PF:0.9893 Freq:59.98Hz Lamp Flux:2215.06x1 lm		
NAME: 15W 4K G3 投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.13*0.31	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	383.92	17.3
FM - Front-Medium(30-60)	646.24	29.2
FH - Front-High(60-80)	129.53	5.8
FVH - Front-Very High(80-90)	7.0476	0.3
Total Forward Light	1177.1	53.1

BL - Back-Low(0-30)	301.97	13.6
BM - Back-Medium(30-60)	566.11	25.6
BH - Back-High(60-80)	147.96	6.7
BVH - Back-Very High(80-90)	14.246	0.6
Total Back Light	1038	46.9

UL - Uplight-Low(90-100)	1.0298	0.0
UH - Uplight-High(100-180)	17.009	0.8
Total Up Light	18.038	0.8

BUG(Back,Up,Glare) Rating	B1-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1030.3	7.6951	1038
Street Side	1166.7	10.343	1177.1

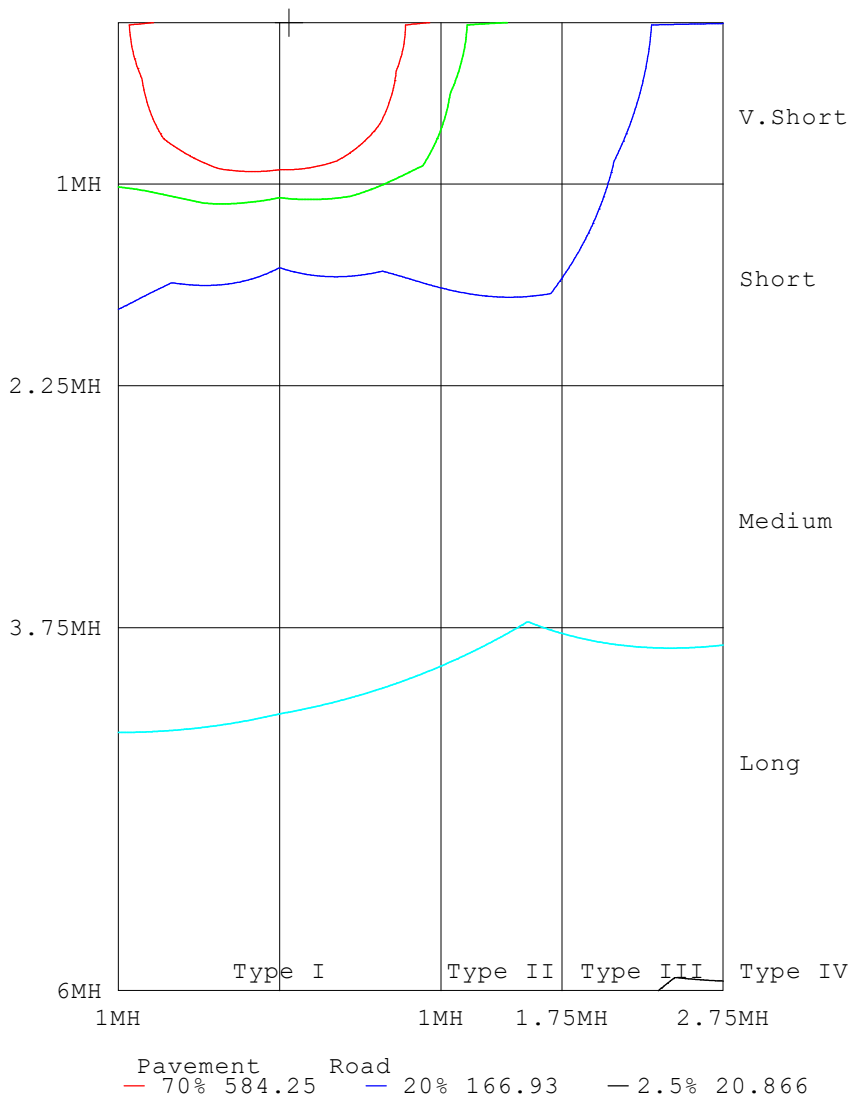
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2023-10-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:119.75V I:0.1189A P:14.089W PF:0.9893 Freq:59.98Hz Lamp Flux:2215.06x1 lm		
NAME: 15W 4K G3 投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.13*0.31	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2023-10-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.75V I:0.1189A P:14.089W PF:0.9893 Freq:59.98Hz Lamp Flux:2215.06x1 lm		
NAME: 15W 4K G3 投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.13*0.31	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834	834			
5	827	831	837	841	845	844	842	837	834	832	831	830	829	828	826	826			
10	813	823	839	854	862	860	849	837	828	825	825	824	823	819	815	812			
15	793	810	838	866	883	875	855	830	814	812	814	818	819	810	798	792			
20	765	791	834	888	912	901	857	819	795	792	799	811	814	799	778	765			
25	728	763	831	900	934	918	862	800	767	765	779	803	806	786	751	728			
30	681	723	811	898	931	921	851	770	730	727	754	781	783	759	717	682			
35	624	671	777	854	874	884	829	728	682	679	715	740	730	712	667	625			
40	557	607	719	768	759	804	784	674	623	620	662	671	643	639	604	557			
45	484	533	633	634	591	677	709	608	557	550	592	571	504	536	528	480			
50	407	450	533	469	388	513	612	533	487	475	509	433	318	397	443	399			
55	330	364	425	300	233	335	503	450	412	397	421	273	191	246	357	320			
60	255	281	320	183	159	206	391	365	336	318	334	170	134	152	275	245			
65	187	207	226	118	114	134	287	282	262	244	250	114	99.5	102	198	179			
70	127	141	147	80.6	80.2	92.9	197	207	193	178	172	81.1	73.0	71.2	129	122			
75	76.3	85.4	84.6	51.4	53.2	61.6	123	141	132	121	108	55.3	49.8	46.4	73.8	74.3			
80	34.9	39.9	38.8	27.3	30.1	36.1	68.7	84.5	80.1	73.7	60.7	33.0	28.8	25.1	34.8	34.9			
85	6.65	8.21	9.04	8.80	11.3	15.4	29.1	38.9	37.6	34.2	26.5	14.3	11.2	8.24	8.72	7.13			
90	0.76	0.68	0.54	0.39	0.45	1.83	4.50	7.51	7.96	6.78	4.61	1.79	0.59	0.53	0.71	0.77			
95	0.98	0.87	0.70	0.51	0.36	0.47	0.58	0.68	0.69	0.78	0.80	0.68	0.58	0.77	0.98	1.05			
100	1.28	1.15	0.96	0.71	0.54	0.66	0.80	0.89	0.91	1.05	1.09	1.00	0.88	1.12	1.32	1.37			
105	1.63	1.47	1.26	1.01	0.82	0.93	1.08	1.18	1.20	1.37	1.44	1.39	1.31	1.55	1.74	1.75			
110	2.01	1.86	1.63	1.33	1.18	1.24	1.39	1.50	1.53	1.75	1.85	1.86	1.82	2.04	2.21	2.19			
115	2.42	2.27	2.04	1.75	1.58	1.62	1.76	1.89	1.91	2.18	2.31	2.37	2.42	2.61	2.71	2.64			
120	2.84	2.68	2.50	2.22	2.05	2.06	2.18	2.30	2.32	2.63	2.81	2.92	3.05	3.20	3.25	3.07			
125	3.28	3.08	2.94	2.73	2.56	2.53	2.60	2.70	2.75	3.07	3.29	3.46	3.65	3.78	3.73	3.48			
130	3.69	3.48	3.36	3.19	3.06	2.98	3.01	3.11	3.17	3.51	3.74	3.95	4.14	4.29	4.16	3.89			
135	4.08	3.86	3.74	3.63	3.52	3.38	3.40	3.50	3.59	3.93	4.16	4.35	4.56	4.71	4.53	4.27			
140	4.45	4.23	4.10	4.01	3.90	3.75	3.79	3.90	3.99	4.33	4.56	4.70	4.87	5.01	4.85	4.62			
145	4.81	4.58	4.44	4.34	4.22	4.11	4.17	4.29	4.38	4.71	4.94	5.02	5.10	5.22	5.13	4.94			
150	5.14	4.92	4.76	4.64	4.53	4.48	4.57	4.68	4.76	5.06	5.30	5.37	5.38	5.42	5.42	5.27			
155	5.44	5.25	5.09	4.96	4.88	4.88	4.96	5.06	5.12	5.39	5.65	5.74	5.71	5.73	5.71	5.58			
160	5.72	5.55	5.42	5.31	5.27	5.28	5.35	5.42	5.47	5.70	5.95	6.08	6.07	6.06	6.01	5.88			
165	5.99	5.85	5.75	5.67	5.65	5.65	5.71	5.76	5.78	5.98	6.18	6.33	6.37	6.35	6.27	6.15			
170	6.22	6.11	6.06	6.02	6.00	5.99	6.03	6.07	6.07	6.22	6.37	6.49	6.55	6.54	6.47	6.36			
175	6.38	6.34	6.32	6.30	6.29	6.29	6.32	6.33	6.31	6.40	6.47	6.55	6.60	6.61	6.58	6.50			
180	6.49	6.50	6.51	6.54	6.55	6.58	6.58	6.57	6.49	6.50	6.52	6.53	6.55	6.57	6.59	6.57			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2023-10-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:7.100m [K=1.0000]
 Remarks: