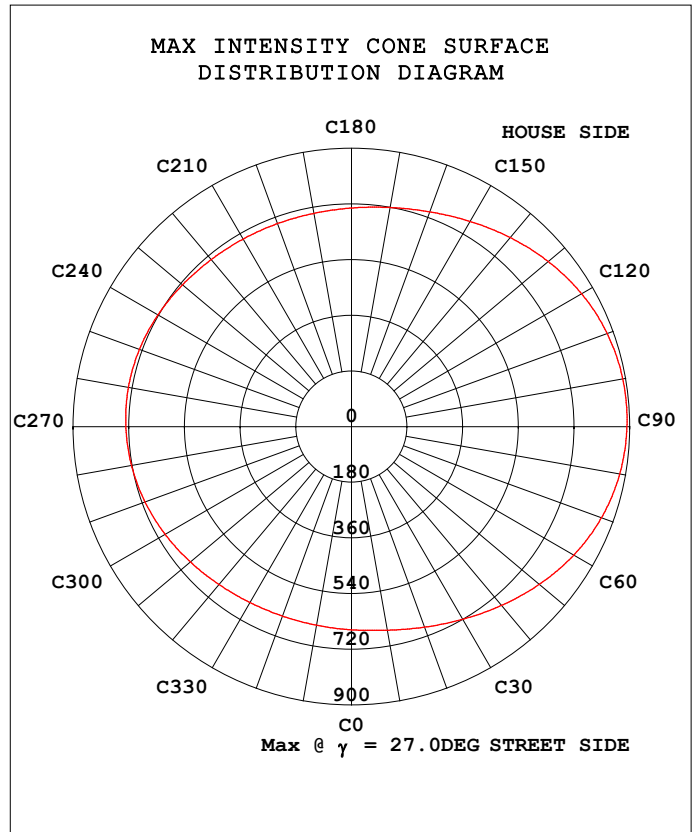
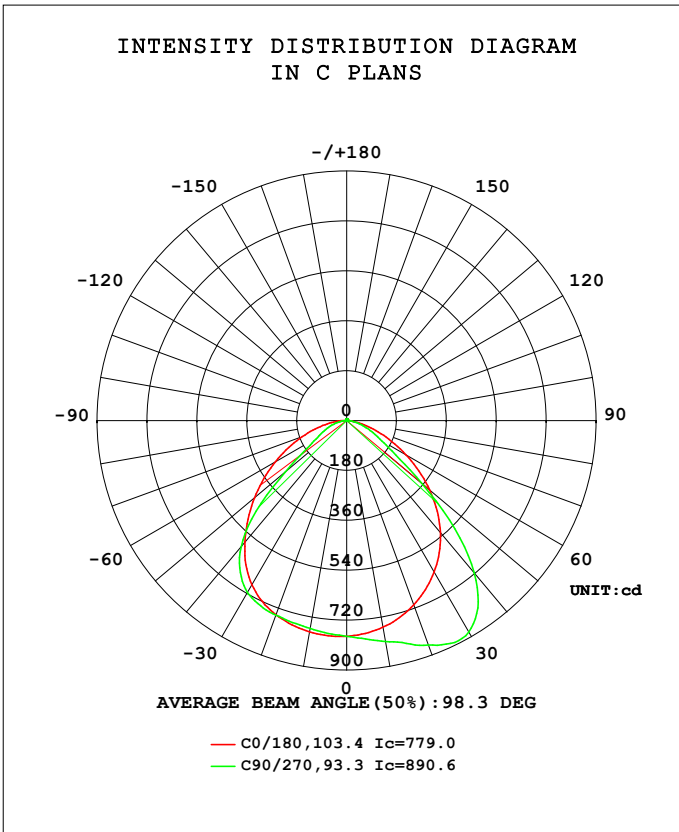


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:119.76V I:0.1233A P:14.618W PF:0.9900 Freq:59.98Hz Lamp Flux:2057.46x1 lm		
NAME: 15W 3K G3 投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.13*0.31	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.75 lm/W			
MODEL		I <sub>max</sub> (cd)	890.6	η street_up (%)	0.5
NOMINAL POWER (W)		LOR (%)	100.0	η street_down (%)	53.1
RATED VOLTAGE (V)		TOTAL FLUX (lm)	2057	η house_up (%)	0.3
NOMINAL FLUX (lm)	2057.46	MAXIMUM @ (C, γ )	90,27.0	η house_down (%)	46.1
LAMPS INSIDE	1	η up (%)	0.8	76 FLASHAREA (m2)	
TEST VOLTAGE (V)		η down (%)	99.2	SLI	

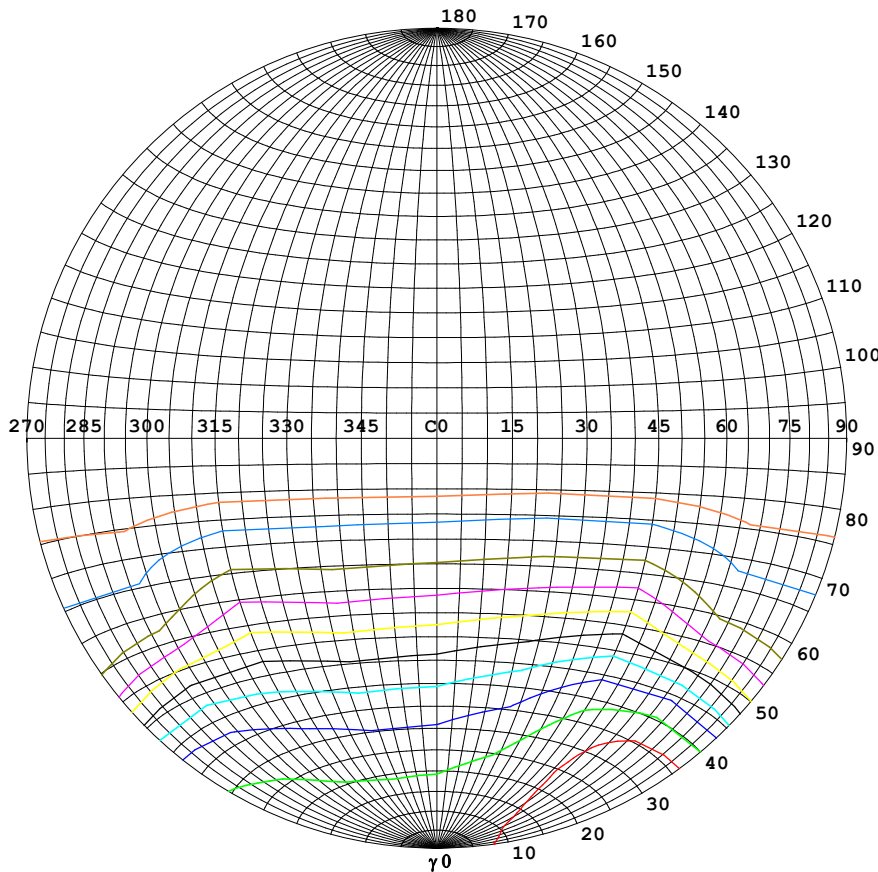


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:  
 Test Date:2023-10-30

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:119.76V I:0.1233A P:14.618W PF:0.9900 Freq:59.98Hz Lamp Flux:2057.46x1 lm		
NAME: 15W 3K G3 投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.13*0.31	Shielding Angle:



**Classification:**

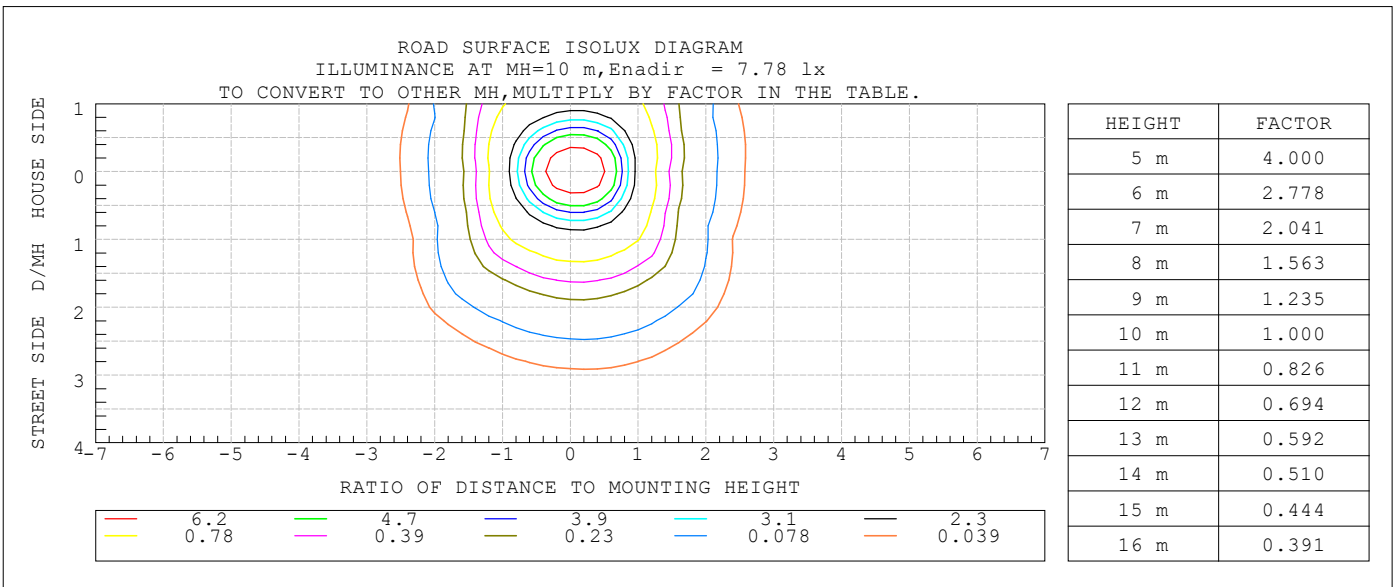
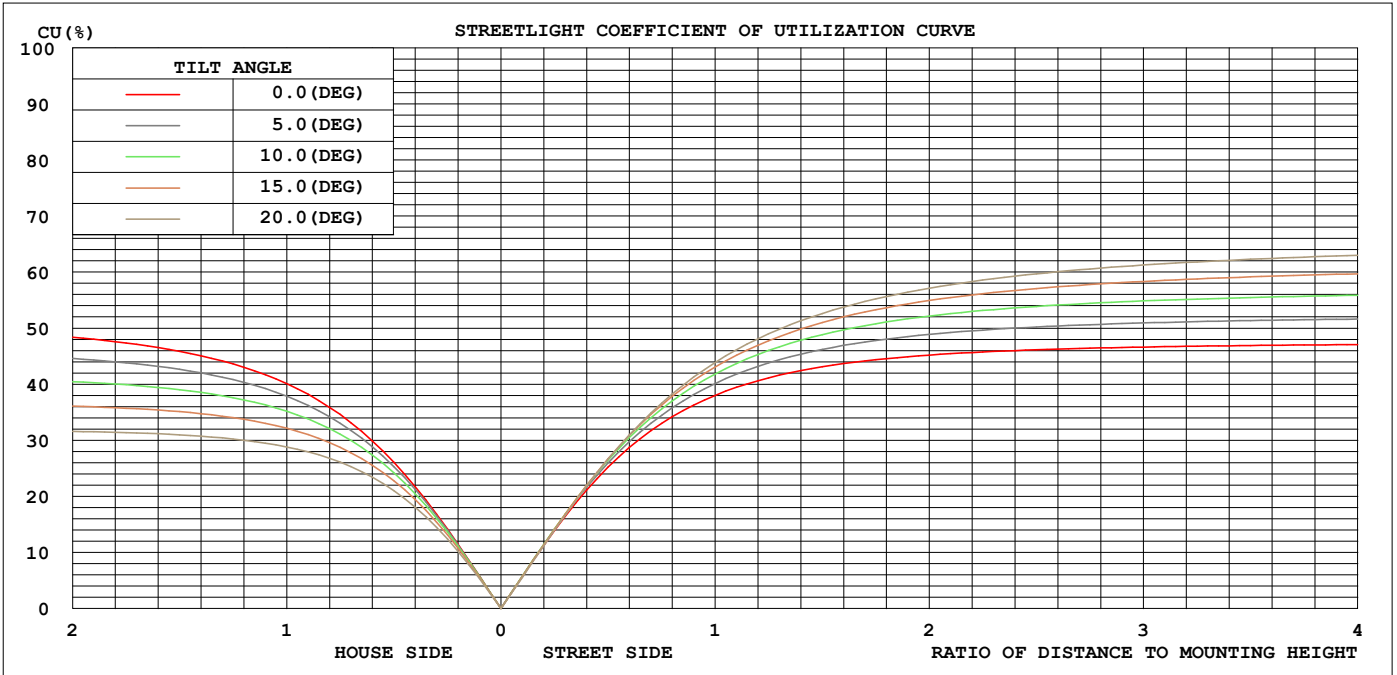
IES:Type II - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Semi-cut-off  
 Max.At80:36.92cd/klm  
 Max.At90:3.509cd/klm  
 Max.80-90:36.92cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	891
— 90%	802
— 80%	712
— 70%	623
— 60%	534
— 50%	445
— 40%	356
— 30%	267
— 20%	178
— 10%	89
— 5%	45

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:119.76V I:0.1233A P:14.618W PF:0.9900 Freq:59.98Hz Lamp Flux:2057.46x1 lm		
NAME: 15W 3K G3 投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.13*0.31	Shielding Angle:

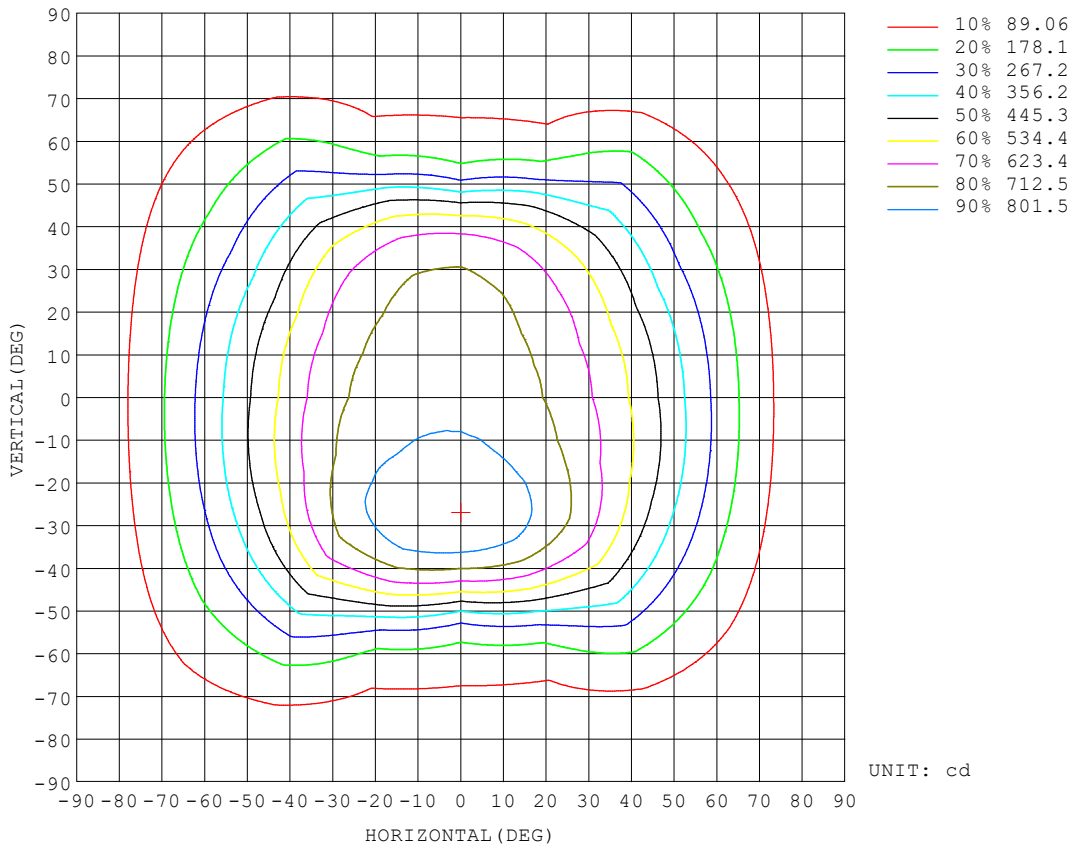
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	
10	756.8	785.1	809.3	796.7	773.6	766.8	761.4	755.3	0- 10	74.17	74.17	74.17
20	707.6	782.1	861.1	808.8	745.5	739.1	746.6	714.6	10- 20	218.2	292.4	292.4
30	631.3	762.6	880.9	809.8	683.6	694.7	716.1	652.2	20- 30	346.8	639.2	639.2
40	526.4	683.7	714.5	743.3	571.2	604.4	592.0	551.3	30- 40	427.8	1067	1067
50	392.4	513.4	359.1	567.8	434.6	456.3	290.4	411.1	40- 50	408.9	1476	1476
60	247.2	310.1	147.9	355.5	296.4	296.9	122.5	259.7	50- 60	289.8	1766	1766
70	122.2	140.9	74.48	177.1	171.1	154.0	67.41	122.0	60- 70	173.1	1939	1939
80	33.45	36.85	27.83	61.85	71.26	54.34	26.71	32.89	70- 80	82.59	2021	2021
90	0.6570	0.4849	0.4082	4.072	7.220	4.175	0.5273	0.6495	80- 90	19.42	2041	2041
100	1.129	0.8488	0.4843	0.7286	0.8699	1.042	0.8300	1.223	90-100	0.9377	2042	2042
110	1.806	1.457	1.065	1.273	1.455	1.756	1.700	2.028	100-110	1.293	2043	2043
120	2.583	2.255	1.874	2.022	2.180	2.665	2.858	3.002	110-120	1.977	2045	2045
130	3.380	3.044	2.811	2.783	2.974	3.542	3.907	3.867	120-130	2.568	2048	2048
140	4.122	3.737	3.573	3.493	3.735	4.296	4.588	4.512	130-140	2.830	2050	2050
150	4.759	4.370	4.162	4.214	4.440	4.989	5.065	5.057	140-150	2.706	2053	2053
160	5.328	5.023	4.871	4.955	5.101	5.577	5.702	5.617	150-160	2.284	2055	2055
170	5.789	5.624	5.560	5.600	5.649	5.954	6.138	6.042	160-170	1.565	2057	2057
180	6.037	6.074	6.102	6.122	6.033	6.074	6.106	6.130	170-180	0.5643	2057	2057
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**

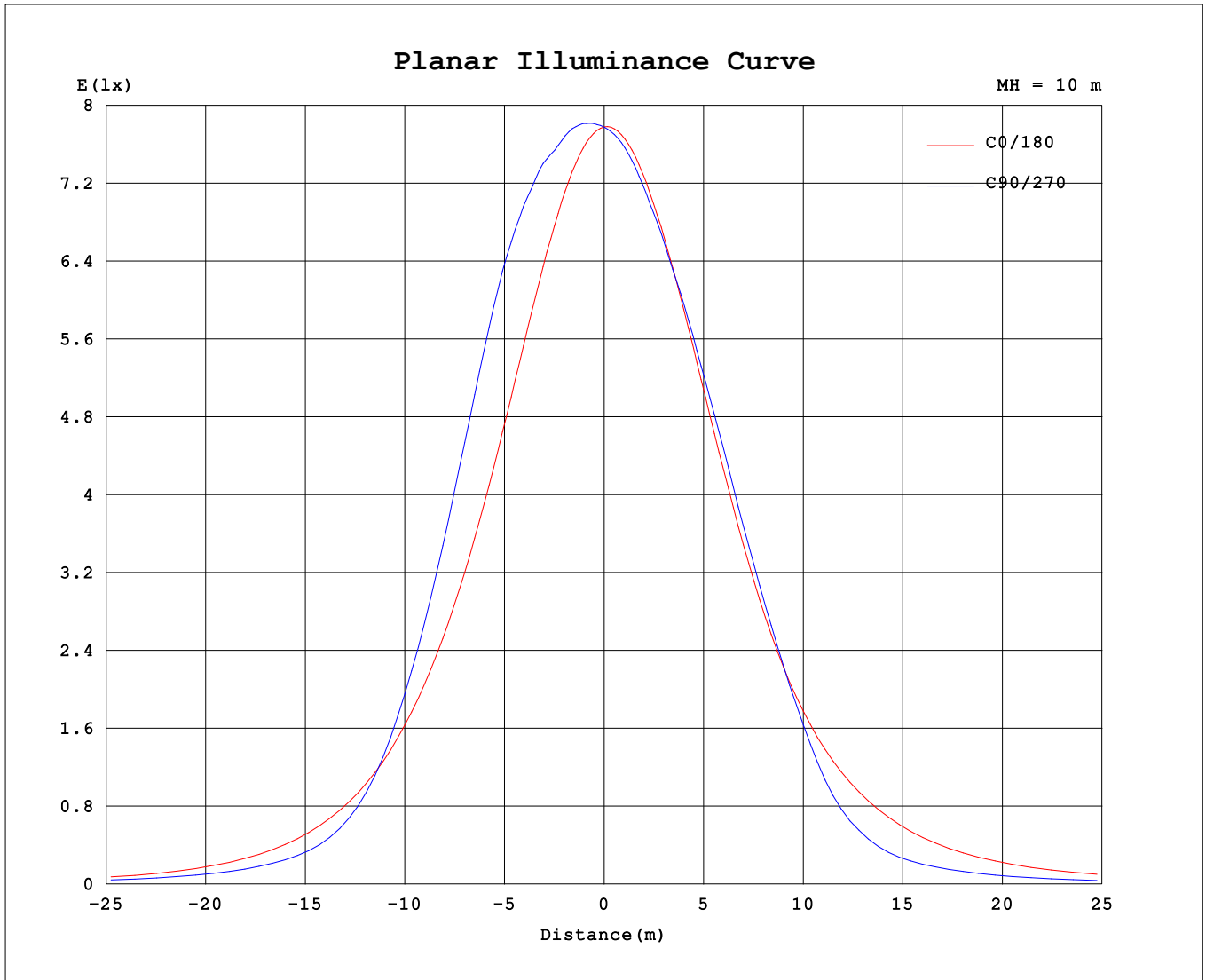
Test:U:119.76V I:0.1233A P:14.618W PF:0.9900 Freq:59.98Hz Lamp Flux:2057.46x1 lm		
NAME: 15W 3K G3 投光灯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.13*0.31	Shielding Angle:



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**



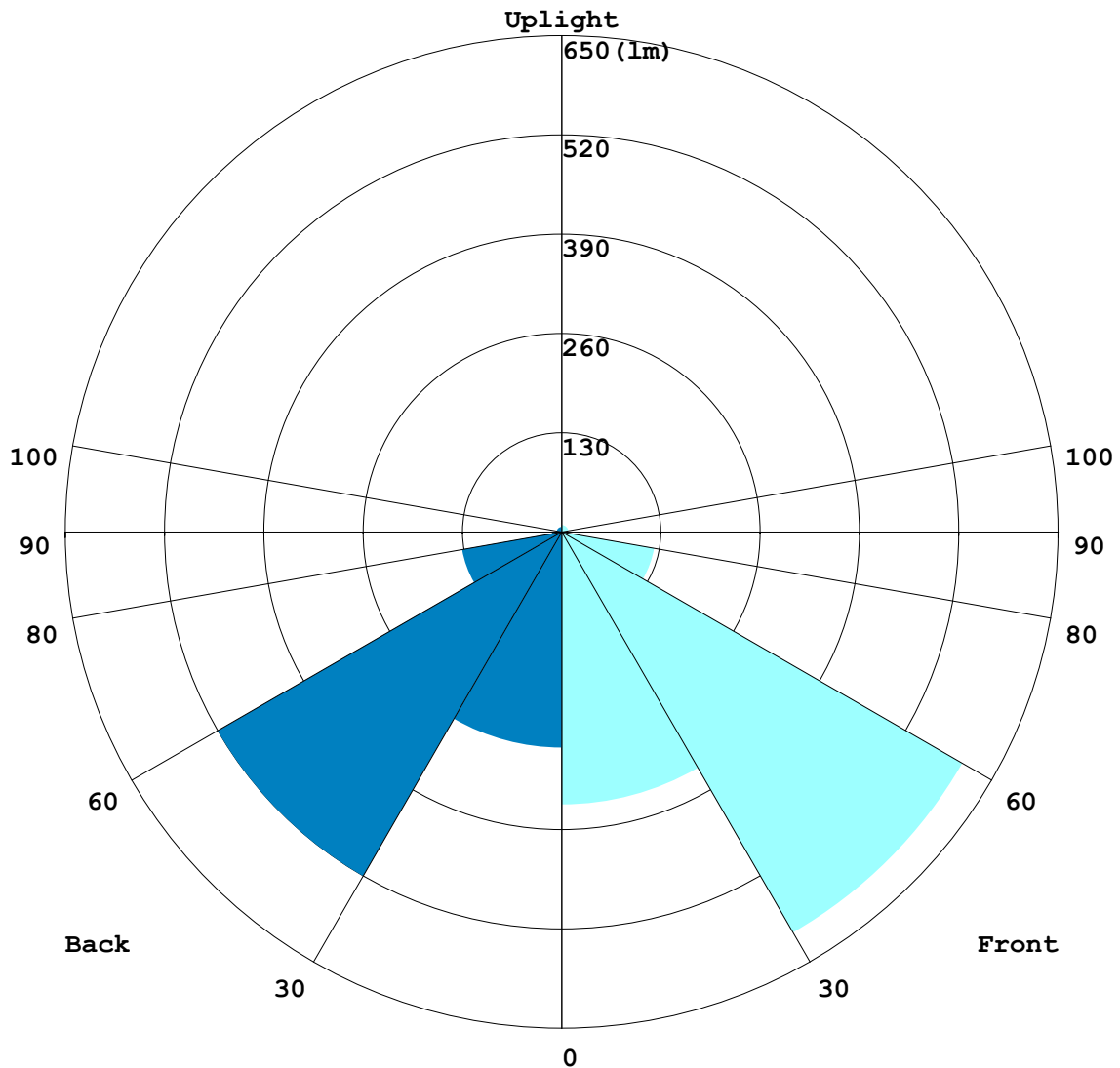
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators:  
 Test Date: 2023-10-30

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:119.76V I:0.1233A P:14.618W PF:0.9900 Freq:59.98Hz Lamp Flux:2057.46x1 lm		
NAME: 15W 3K 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:119.76V I:0.1233A P:14.618W PF:0.9900 Freq:59.98Hz Lamp Flux:2057.46x1 lm		
NAME: 15W 3K 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)	356.82	17.3
FM - Front-Medium(30-60)	605.81	29.4
FH - Front-High(60-80)	123.18	6.0
FVH - Front-Very High(80-90)	6.6158	0.3
<b>Total Forward Light</b>	<b>1102</b>	<b>53.6</b>

BL - Back-Low(0-30)	282.4	13.7
BM - Back-Medium(30-60)	520.6	25.3
BH - Back-High(60-80)	132.5	6.4
BVH - Back-Very High(80-90)	12.806	0.6
<b>Total Back Light</b>	<b>955.5</b>	<b>46.4</b>

UL - Uplight-Low(90-100)	0.93772	0.0
UH - Uplight-High(100-180)	15.788	0.8
<b>Total Up Light</b>	<b>16.725</b>	<b>0.8</b>

<b>BUG(Back,Up,Glare) Rating</b>	<b>B1-U2-G1</b>
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	948.31	7.1909	955.5
Street Side	1092.4	9.5346	1102

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

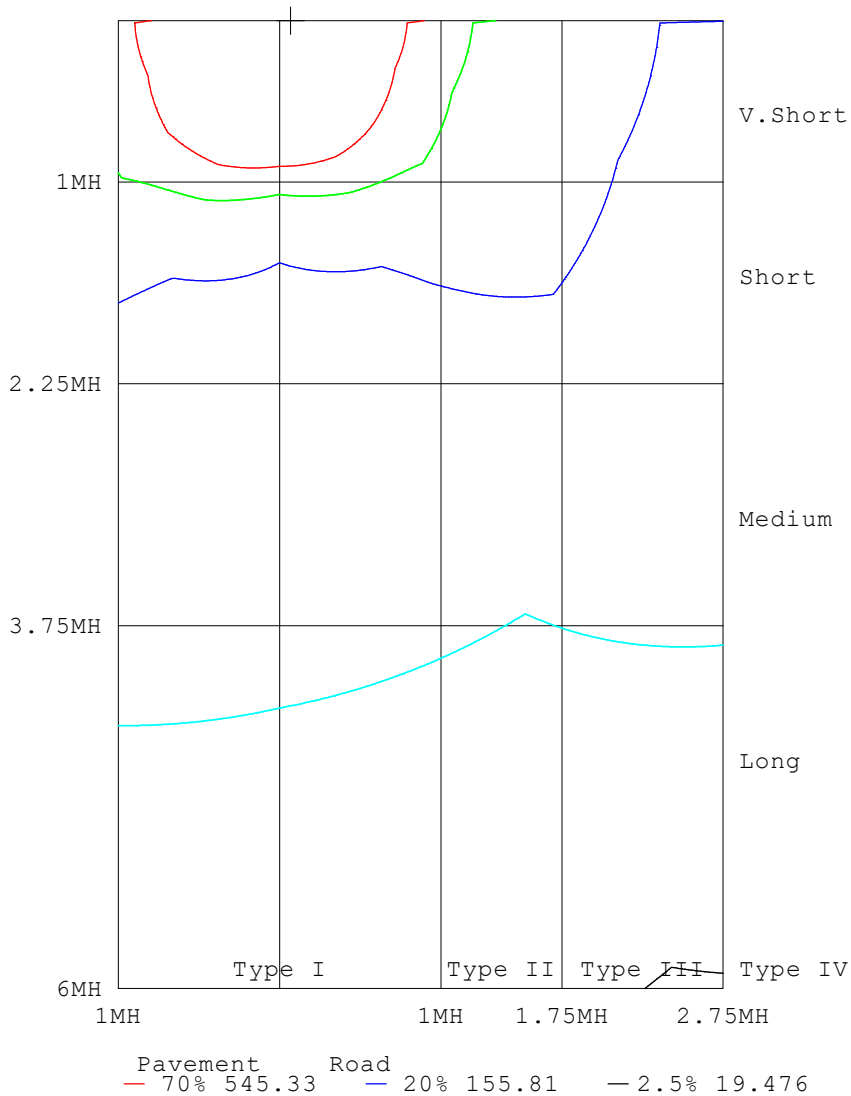
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
 Humidity:65.0%  
 Test Distance:7.100m [K=1.0000]  
 Remarks:



**ROAD ISOCANDELA REPORT**

Test:U:119.76V I:0.1233A P:14.618W PF:0.9900 Freq:59.98Hz Lamp Flux:2057.46x1 lm		
NAME: 15W 3K 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:119.76V I:0.1233A P:14.618W PF:0.9900 Freq:59.98Hz Lamp Flux:2057.46x1 lm		
NAME: 15W 3K 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	778	778	778	778	778	778	778	778	778	778	778	778	778	778	778	778			
5	771	775	782	787	791	790	787	782	779	776	774	772	770	769	768	768			
10	757	768	785	801	809	807	797	783	774	769	767	764	761	758	755	753			
15	736	756	786	814	832	824	805	780	762	757	754	755	754	746	736	733			
20	708	736	782	838	861	852	809	771	745	738	739	746	747	733	715	705			
25	673	710	780	851	886	870	817	755	720	713	719	736	737	718	687	669			
30	631	674	763	850	881	875	810	727	684	675	695	715	716	691	652	626			
35	583	631	734	806	825	837	789	684	634	627	657	679	669	650	606	576			
40	526	578	684	723	715	760	743	627	571	565	604	617	592	585	551	518			
45	462	515	606	596	553	638	666	558	503	494	537	527	463	493	486	451			
50	392	440	513	438	359	481	568	484	435	419	456	398	290	363	411	378			
55	319	358	411	277	216	312	461	406	365	347	375	250	174	224	335	304			
60	247	278	310	169	148	192	356	327	296	277	297	155	122	139	260	233			
65	181	204	219	110	106	125	260	253	232	212	223	104	91.5	93.5	188	170			
70	122	139	141	75.2	74.5	86.7	177	186	171	155	154	74.7	67.4	65.5	122	116			
75	73.5	83.9	80.8	47.8	49.3	57.4	112	126	117	106	96.5	51.1	46.1	42.7	69.9	70.3			
80	33.5	39.0	36.9	25.4	27.8	33.6	61.9	76.0	71.3	64.4	54.3	30.6	26.7	23.2	32.9	33.0			
85	6.26	7.88	8.52	8.14	10.5	14.3	26.2	35.0	33.6	30.0	23.8	13.3	10.4	7.59	8.17	6.47			
90	0.66	0.60	0.48	0.36	0.41	1.68	4.07	6.80	7.22	6.08	4.18	1.63	0.53	0.49	0.65	0.67			
95	0.85	0.77	0.62	0.46	0.32	0.43	0.53	0.64	0.66	0.75	0.76	0.63	0.53	0.70	0.90	0.92			
100	1.13	1.02	0.85	0.65	0.48	0.61	0.73	0.85	0.87	1.00	1.04	0.93	0.83	1.02	1.22	1.23			
105	1.45	1.30	1.13	0.91	0.74	0.85	0.98	1.11	1.15	1.31	1.38	1.31	1.23	1.43	1.59	1.59			
110	1.81	1.65	1.46	1.22	1.06	1.15	1.27	1.41	1.45	1.68	1.76	1.75	1.70	1.91	2.03	1.99			
115	2.19	2.03	1.84	1.59	1.45	1.49	1.62	1.76	1.80	2.08	2.19	2.24	2.26	2.43	2.51	2.40			
120	2.58	2.41	2.25	2.01	1.87	1.89	2.02	2.14	2.18	2.51	2.67	2.76	2.86	2.98	3.00	2.81			
125	2.99	2.80	2.66	2.47	2.35	2.33	2.41	2.51	2.57	2.92	3.12	3.28	3.44	3.52	3.46	3.21			
130	3.38	3.18	3.04	2.91	2.81	2.74	2.78	2.89	2.97	3.31	3.54	3.72	3.91	4.01	3.87	3.59			
135	3.76	3.54	3.40	3.31	3.23	3.11	3.14	3.26	3.35	3.70	3.93	4.11	4.30	4.41	4.23	3.95			
140	4.12	3.88	3.74	3.67	3.57	3.45	3.49	3.62	3.73	4.07	4.30	4.43	4.59	4.69	4.51	4.29			
145	4.45	4.21	4.06	3.97	3.87	3.78	3.85	3.98	4.09	4.42	4.64	4.73	4.80	4.90	4.77	4.59			
150	4.76	4.53	4.37	4.25	4.16	4.13	4.21	4.34	4.44	4.75	4.99	5.06	5.06	5.10	5.06	4.90			
155	5.05	4.85	4.69	4.56	4.50	4.50	4.59	4.69	4.78	5.06	5.30	5.39	5.37	5.38	5.33	5.20			
160	5.33	5.15	5.02	4.90	4.87	4.87	4.95	5.03	5.10	5.34	5.58	5.70	5.70	5.68	5.62	5.47			
165	5.57	5.44	5.34	5.26	5.24	5.24	5.30	5.35	5.39	5.58	5.79	5.93	5.97	5.94	5.87	5.72			
170	5.79	5.69	5.62	5.57	5.56	5.56	5.60	5.64	5.65	5.80	5.95	6.07	6.14	6.12	6.04	5.93			
175	5.94	5.89	5.87	5.85	5.83	5.85	5.87	5.89	5.87	5.96	6.04	6.11	6.16	6.17	6.13	6.06			
180	6.04	6.05	6.07	6.08	6.10	6.13	6.12	6.12	6.03	6.05	6.07	6.08	6.11	6.13	6.13	6.12			

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: