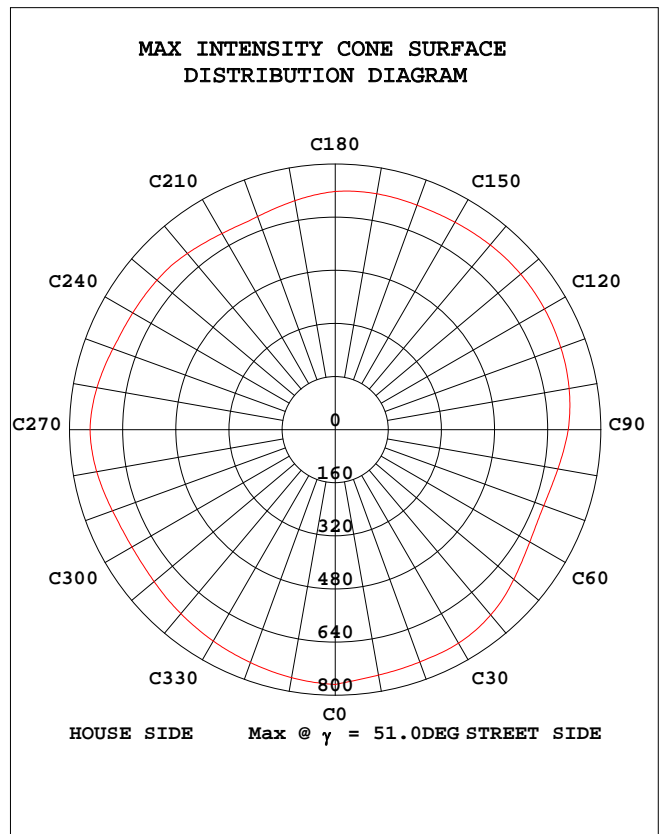
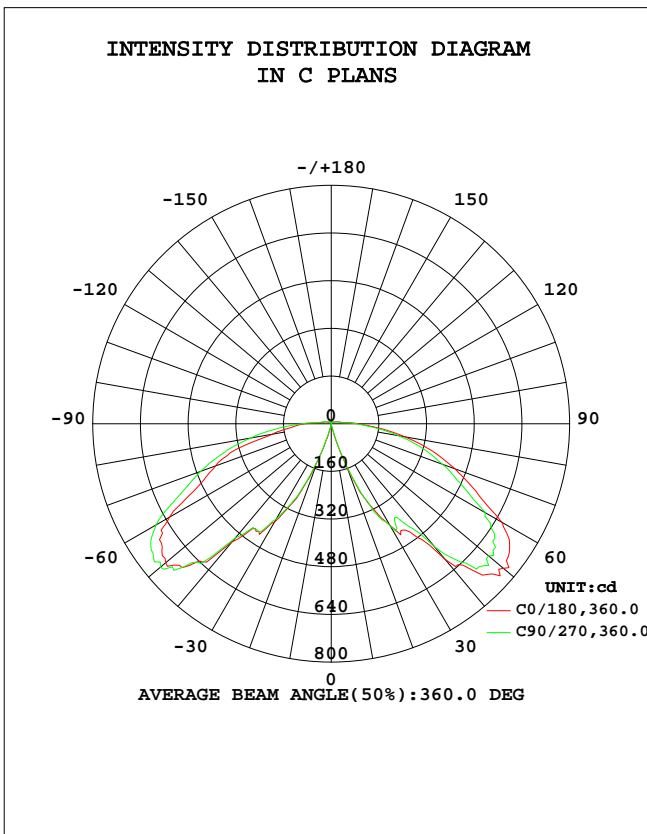


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:120.3V I:0.1830A P:21.90W PF:0.9900 Lamp Flux:2773.75x1 lm		
NAME: 方形 12W-22W 5K 草坪灯样品	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.13*0.16	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.66 lm/W			
MODEL		I <sub>max</sub> (cd)	767.3	η street_up(%)	2.5
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	47.1
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2774	η house_up(%)	2.7
NOMINAL FLUX(lm)	2773.75	MAXIMUM @(C,γ )	0,51.0	η house_down(%)	47.8
LAMPS INSIDE	1	η up(%)	5.2	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	94.8	SLI	20.874



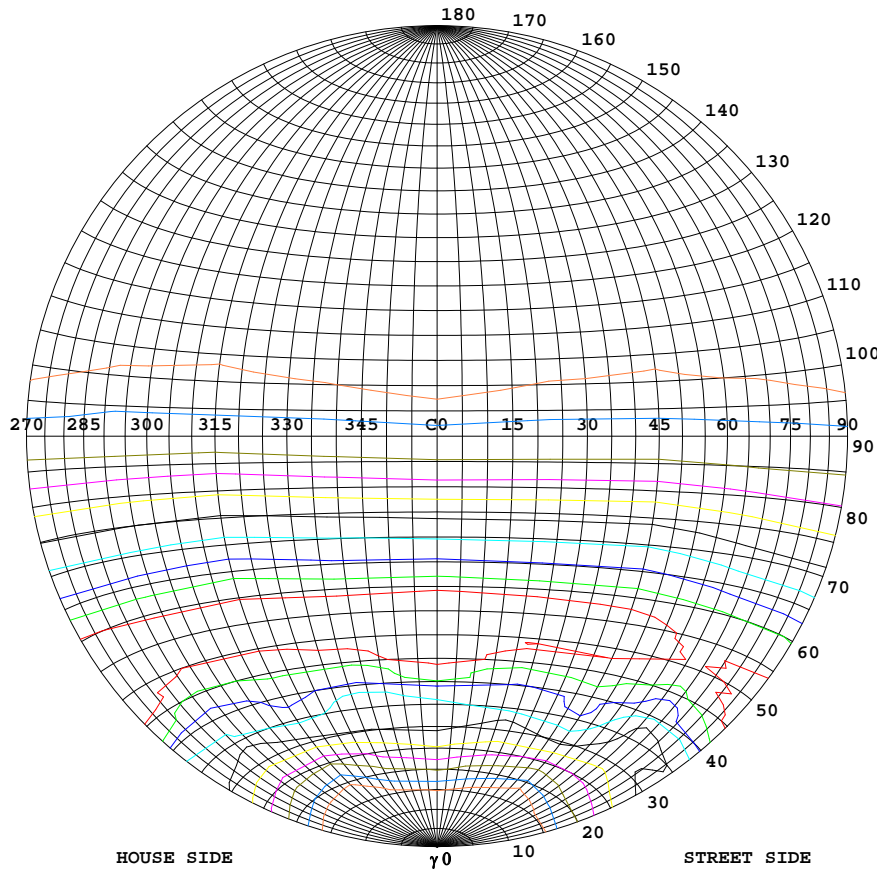
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LY  
 Test Date:2020-0713

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

Note: SLI:Specific Luminaire Index

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:120.3V I:0.1830A P:21.90W PF:0.9900 Lamp Flux:2773.75x1 lm		
NAME: 方形 12W-22W 5K 草坪灯样品	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.13*0.16	Shielding Angle:



**Classification:**

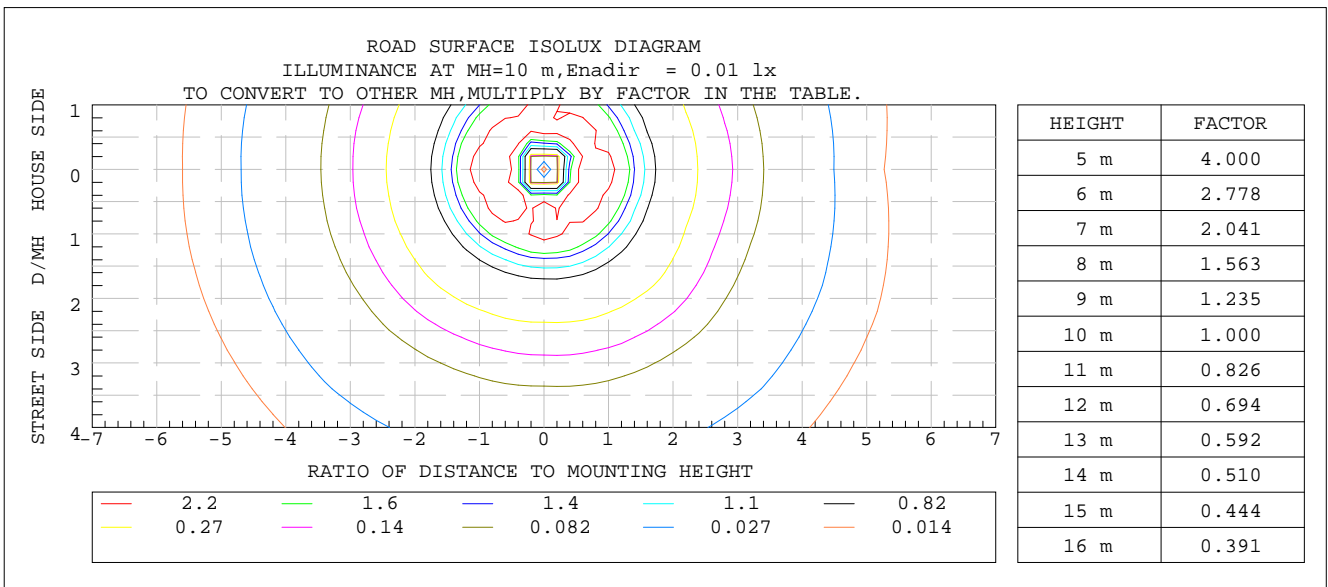
IES:Type V - Short  
 CIE:Broad - Short  
 IES:None cut-off  
 CIE:Non-cut-off  
 Max.At80:107.9cd/klm  
 Max.At90:39.96cd/klm  
 Max.80-90:107.9cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	767
90%	691
80%	614
70%	537
60%	460
50%	384
40%	307
30%	230
20%	153
10%	77
5%	38

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LY  
 Test Date:2020-0713

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: LY  
Test Date: 2020-0713

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 9.660m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.3V I:0.1830A P:21.90W PF:0.9900 Lamp Flux:2773.75x1 lm		
NAME: 方形 12W-22W 5K 草坪灯样品	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.13*0.16	Shielding Angle:

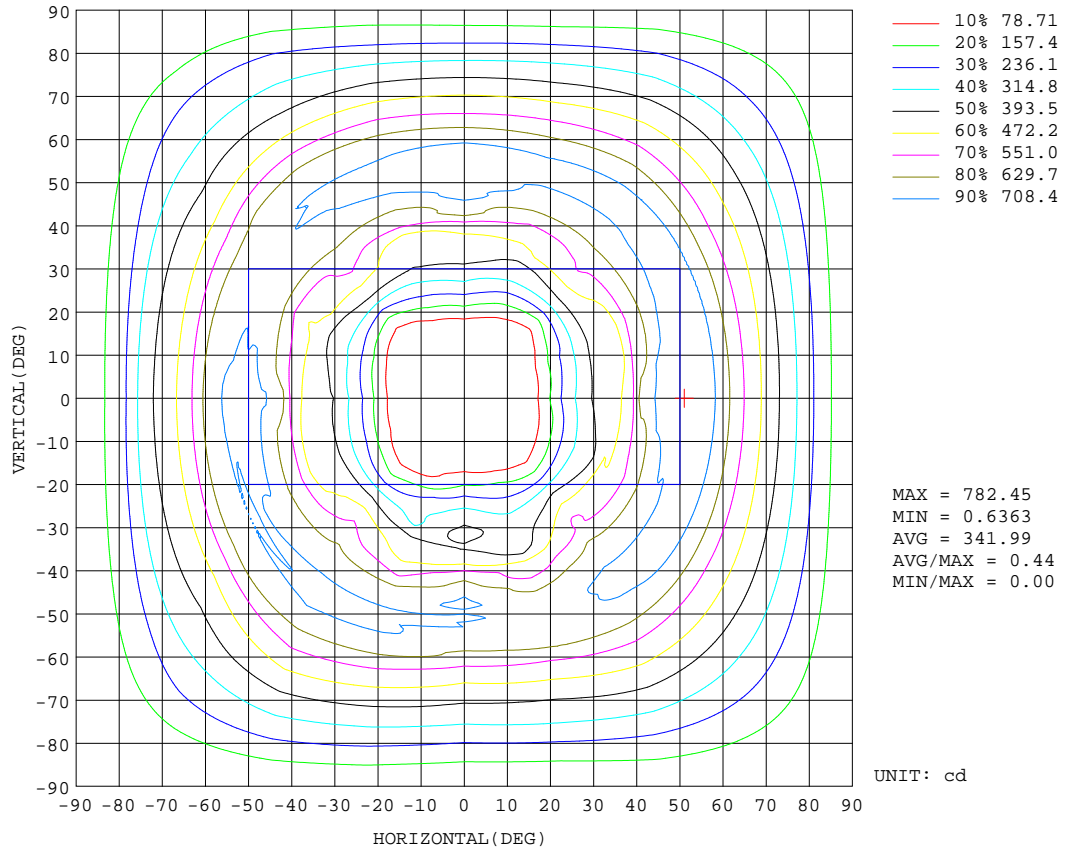
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	4.003	4.233	3.695	4.333	3.826	3.566	3.426	3.806	0- 10	0.2130	0.2130	0.01,0.01
20	159.9	67.67	149.8	52.83	125.6	24.15	116.0	50.21	10- 20	10.04	10.25	0.37,0.37
30	392.8	400.3	394.8	375.3	381.3	337.2	369.9	362.5	20- 30	111.0	121.3	4.37,4.37
40	592.5	563.4	537.4	588.2	517.9	572.6	498.6	570.7	30- 40	277.9	399.2	14.4,14.4
50	754.3	713.1	689.9	719.2	724.9	690.7	748.5	716.5	40- 50	492.6	891.8	32.2,32.2
60	661.1	658.7	596.4	698.6	625.9	664.8	679.5	699.2	50- 60	633.3	1525	55,55
70	442.7	451.8	397.2	483.2	412.7	444.6	465.8	498.5	60- 70	541.6	2067	74.5,74.5
80	248.7	265.3	227.6	285.6	198.5	280.0	272.9	299.4	70- 80	376.7	2443	88.1,88.1
90	93.33	102.4	84.31	99.18	88.99	98.87	100.2	110.8	80- 90	187.3	2631	94.8,94.8
100	32.55	40.31	30.55	41.51	30.34	39.77	33.27	42.70	90-100	66.75	2697	97.2,97.2
110	19.98	23.47	18.61	23.79	19.10	24.79	20.87	26.97	100-110	32.77	2730	98.4,98.4
120	11.73	12.81	11.13	13.30	11.65	12.79	11.87	13.72	110-120	16.48	2747	99,99
130	10.23	11.72	9.771	11.85	10.17	11.79	10.37	12.57	120-130	10.44	2757	99.4,99.4
140	8.544	9.120	7.893	8.750	8.802	9.506	8.893	10.18	130-140	7.833	2765	99.7,99.7
150	6.840	6.241	6.633	5.878	6.274	6.643	7.045	6.664	140-150	4.960	2770	99.9,99.9
160	4.309	4.968	3.938	4.064	4.291	4.722	4.276	5.208	150-160	2.594	2772	100,100
170	2.415	2.653	2.401	2.592	2.484	2.602	2.602	3.205	160-170	1.075	2774	100,100
180	0.5181	0.5148	0.5033	0.5426	0.5477	0.5603	0.5477	0.4961	170-180	0.1794	2774	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LY  
 Test Date:2020-0713

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

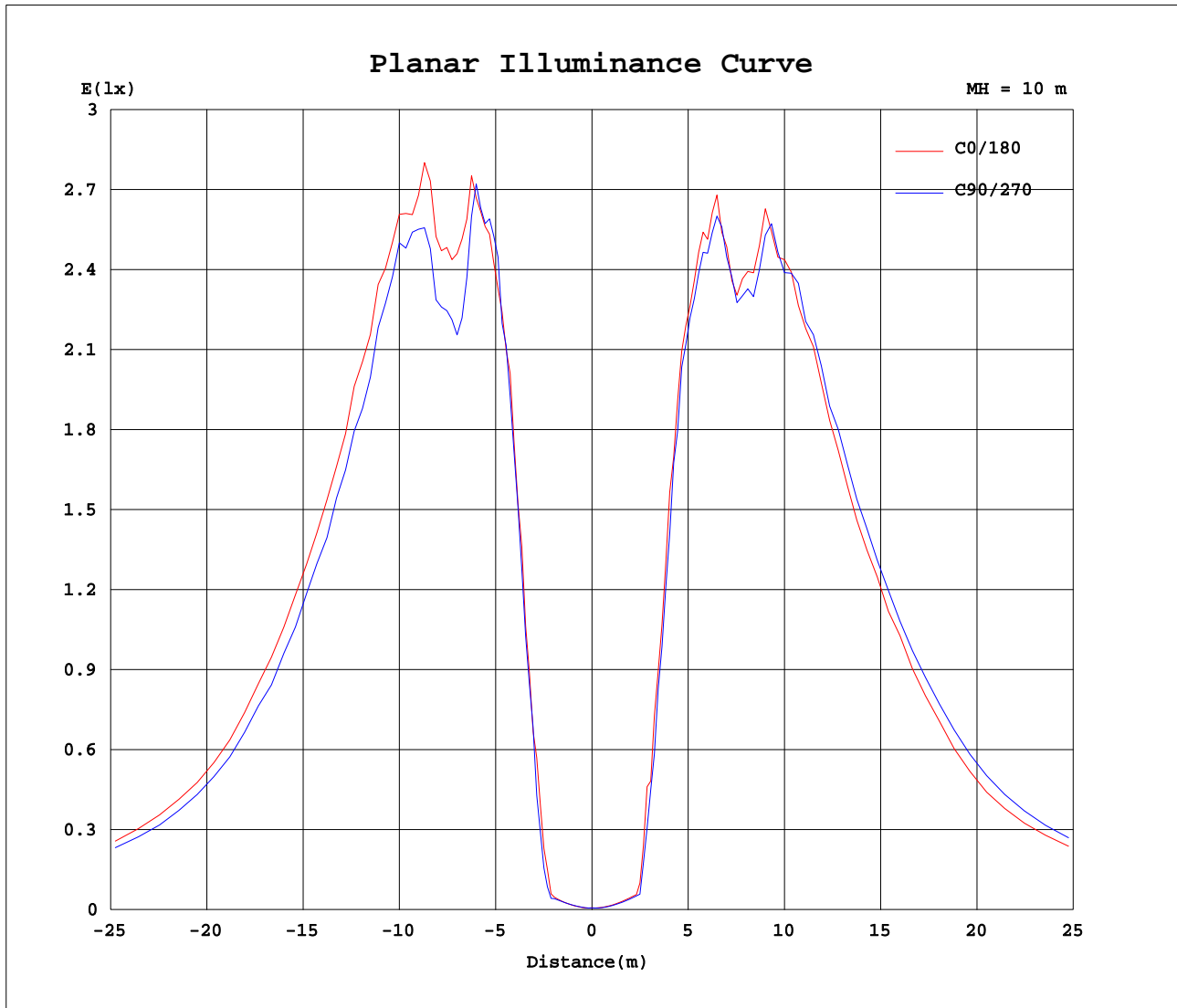
Test:U:120.3V I:0.1830A P:21.90W PF:0.9900 Lamp Flux:2773.75x1 lm		
NAME: 方形 12W-22W 5K 草坪灯样品	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.13*0.16	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LY  
 Test Date:2020-0713

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



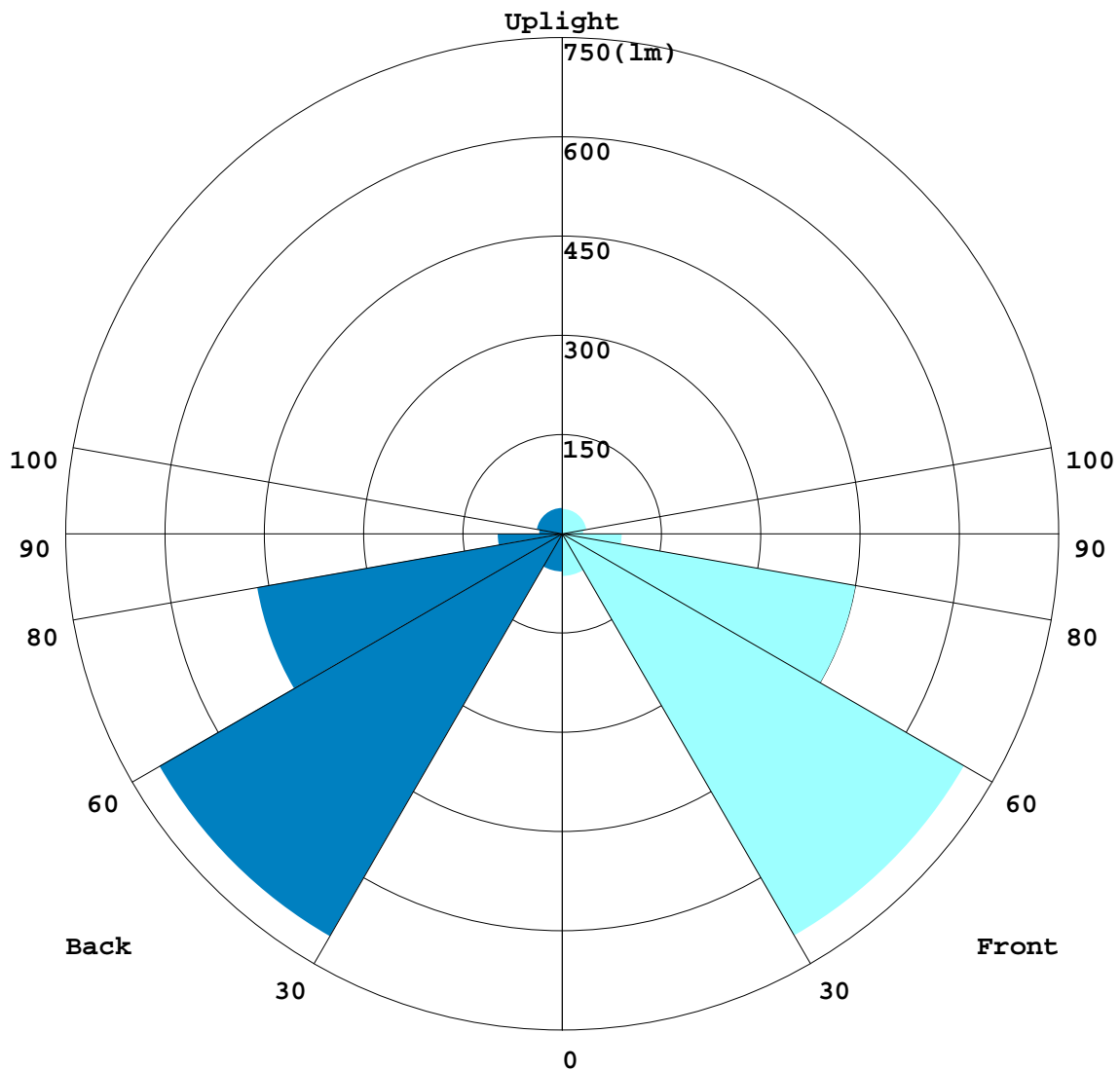
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LY  
 Test Date: 2020-0713

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity: 65.0%  
 Test Distance: 9.660m [K=1.0000]  
 Remarks:

LCS REPORT

Test:U:120.3V I:0.1830A P:21.90W PF:0.9900 Lamp Flux:2773.75x1 lm		
NAME: 方形 12W-22W 5K 草坪灯样品	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.13*0.16	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LY  
 Test Date:2020-0713

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

**BUG REPORT**

Test:U:120.3V I:0.1830A P:21.90W PF:0.9900 Lamp Flux:2773.75x1 lm		
NAME: 方形 12W-22W 5K 草坪灯样品	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.13*0.16	Shielding Angle:

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	63.964	2.3
FM - Front-Medium(30-60)	701.48	25.3
FH - Front-High(60-80)	450.44	16.2
FVH - Front-Very High(80-90)	90.113	3.2
Total Forward Light	1375.4	49.6

BL - Back-Low(0-30)	57.291	2.1
BM - Back-Medium(30-60)	702.33	25.3
BH - Back-High(60-80)	467.87	16.9
BVH - Back-Very High(80-90)	97.169	3.5
Total Back Light	1398.3	50.4

UL - Uplight-Low(90-100)	66.745	2.4
UH - Uplight-High(100-180)	76.343	2.8
Total Up Light	143.09	5.2

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1324.7	73.677	1398.3
Street Side	1306	69.411	1375.4

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LY  
 Test Date:2020-0713

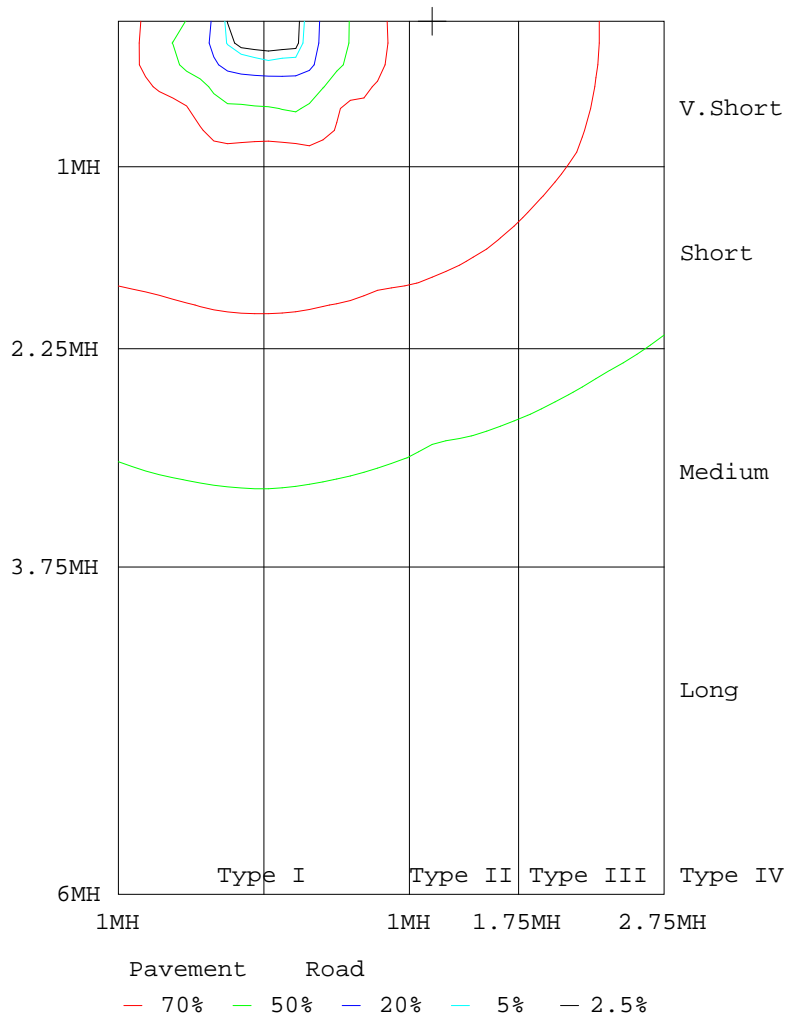
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:



ROAD ISOCANDELA REPORT

Test:U:120.3V I:0.1830A P:21.90W PF:0.9900 Lamp Flux:2773.75x1 lm		
NAME: 方形 12W-22W 5K 草坪灯样品	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.13*0.16	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LY  
 Test Date:2020-0713

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.1830A P:21.90W PF:0.9900 Lamp Flux:2773.75x1 lm		
NAME: 方形 12W-22W 5K 草坪灯样品	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.13*0.16	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	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65			
5	1.37	1.68	1.59	1.65	1.48	1.65	1.52	1.55	1.37	1.19	1.23	1.06	1.23	1.19	1.35	1.25			
10	4.00	4.30	4.23	4.13	3.69	4.34	4.33	4.14	3.83	3.74	3.57	3.25	3.43	3.64	3.81	3.79			
15	42.3	23.2	8.17	32.3	31.4	29.1	8.55	16.8	26.0	8.14	7.42	7.68	19.1	7.36	8.23	25.5			
20	160	116	67.7	125	150	86.6	52.8	109	126	88.2	24.1	90.9	116	78.0	50.2	117			
25	293	258	210	236	288	247	189	249	274	219	142	218	266	205	167	258			
30	393	354	400	325	395	302	375	373	381	337	337	338	370	345	363	389			
35	436	487	520	339	382	417	509	432	441	429	474	417	434	439	497	432			
40	592	541	563	466	537	479	588	519	518	485	573	458	499	500	571	521			
45	719	665	657	573	690	620	656	642	672	610	641	575	659	602	647	669			
50	754	731	713	657	690	701	719	719	725	684	691	694	748	705	716	732			
55	730	743	713	657	670	730	741	724	697	700	707	712	738	741	742	748			
60	661	679	659	610	596	683	699	653	626	631	665	664	679	691	699	687			
65	536	552	545	498	481	554	580	520	490	518	553	562	558	584	596	562			
70	443	461	452	405	397	455	483	421	413	418	445	462	466	483	499	473			
75	349	365	362	330	317	362	383	354	328	336	356	372	371	390	400	379			
80	249	267	265	238	228	266	286	262	198	255	280	274	273	293	299	272			
85	156	164	168	145	143	168	174	157	131	150	188	184	178	187	197	177			
90	93.3	99.9	102	90.4	84.3	98.0	99.2	80.7	89.0	96.9	98.9	102	100	107	111	105			
95	48.1	61.0	59.2	53.7	42.4	58.9	59.1	43.6	42.6	67.2	58.6	62.0	48.9	69.1	66.9	62.0			
100	32.5	40.2	40.3	36.3	30.6	39.1	41.5	37.2	30.3	39.3	39.8	38.7	33.3	42.1	42.7	39.7			
105	25.3	34.3	35.1	29.7	24.5	33.4	36.0	30.8	24.3	33.4	35.9	31.3	26.2	35.7	37.6	32.6			
110	20.0	23.9	23.5	21.8	18.6	23.3	23.8	21.6	19.1	23.5	24.8	23.0	20.9	26.3	27.0	24.2			
115	14.8	16.9	15.2	15.7	13.8	16.1	15.6	15.9	14.7	16.5	15.8	16.3	15.5	17.7	17.1	17.3			
120	11.7	13.4	12.8	12.1	11.1	12.7	13.3	12.9	11.6	13.3	12.8	12.3	11.9	13.7	13.7	13.2			
125	10.8	12.0	12.3	10.9	10.5	11.4	12.6	11.5	10.4	12.0	12.1	10.9	10.7	12.2	13.0	11.8			
130	10.2	11.3	11.7	10.2	9.77	10.5	11.8	10.7	10.2	11.3	11.8	10.2	10.4	11.4	12.6	11.1			
135	9.52	10.5	10.7	9.52	9.02	9.65	10.6	10.03	9.55	10.4	10.9	9.87	9.66	10.7	11.7	10.6			
140	8.54	9.31	9.12	8.38	7.89	8.77	8.75	8.66	8.80	8.99	9.51	8.95	8.89	9.45	10.18	9.49			
145	7.40	8.52	7.64	7.61	7.31	7.93	7.18	7.52	7.46	7.80	8.13	8.09	7.77	8.43	8.55	8.51			
150	6.84	7.19	6.24	6.27	6.63	6.69	5.88	6.29	6.27	6.93	6.64	7.28	7.05	7.39	6.66	7.47			
155	5.36	5.83	5.42	5.15	4.73	5.16	4.98	5.03	5.27	5.72	5.48	5.92	5.64	5.97	5.72	5.94			
160	4.31	4.88	4.97	4.50	3.94	4.21	4.06	3.81	4.29	4.88	4.72	4.35	4.28	5.21	5.21	5.09			
165	3.30	3.95	4.20	3.64	3.21	3.72	3.71	3.24	3.33	3.69	3.68	3.39	3.36	4.33	4.68	4.16			
170	2.42	2.74	2.65	2.51	2.40	2.76	2.59	2.39	2.48	2.61	2.60	2.72	2.60	3.23	3.21	3.02			
175	1.26	1.24	1.43	1.26	1.30	1.44	1.55	1.27	1.33	1.63	1.50	1.75	1.37	1.77	1.73	1.82			
180	0.52	0.54	0.51	0.49	0.50	0.53	0.54	0.51	0.55	0.60	0.56	0.61	0.55	0.54	0.50	0.51			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LY  
 Test Date:2020-0713

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks: