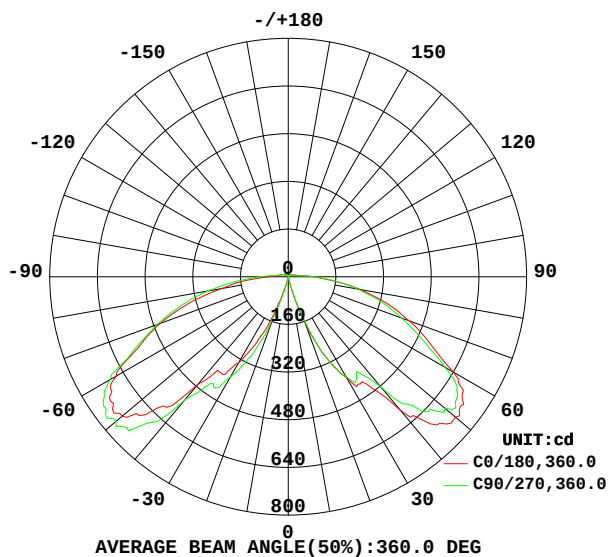
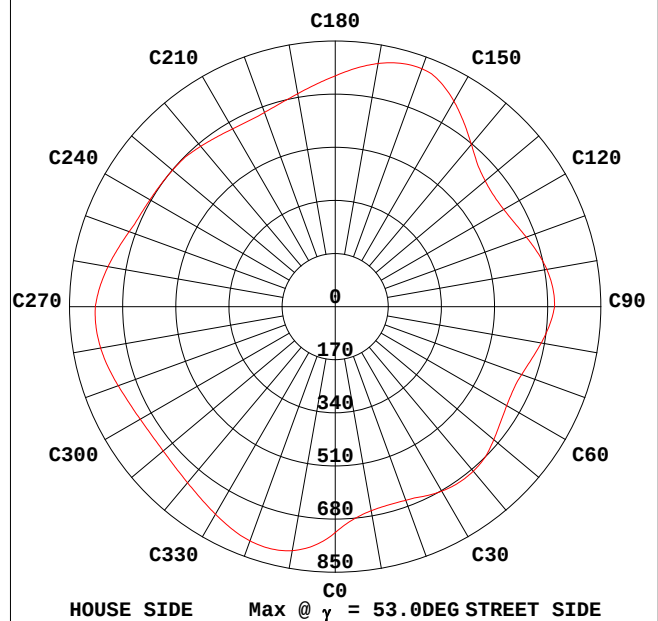


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.1790A P:21.30W PF:0.9910 Lamp Flux:2728.88x1 lm		
NAME: 方形 12W-22W 4K 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: 128.12 lm/W			
MODEL		Imax(cd)	806.5	η street_up(%)	2.5
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	46.3
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2729	η house_up(%)	2.6
NOMINAL FLUX(lm)	2728.88	MAXIMUM @(C, γ)	158,53.0	η house_down(%)	48.5
LAMPS INSIDE	1	η up(%)	5.1	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	94.9	SLI	20.870

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

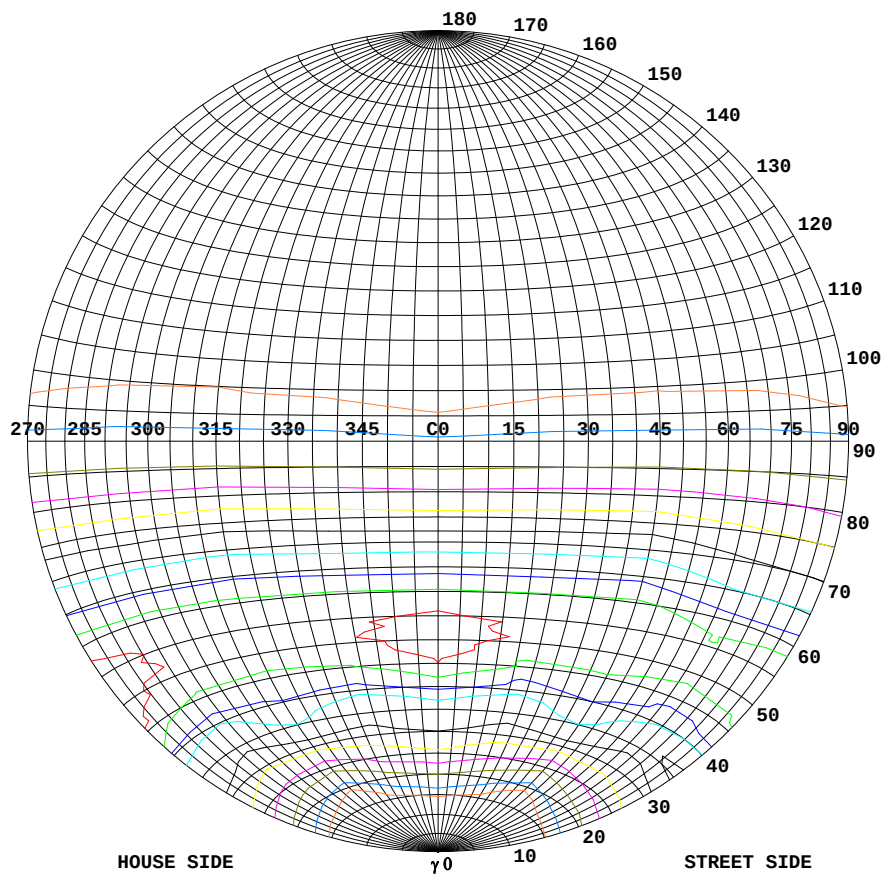
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LY
 Test Date: 2020-0713

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_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:0.1790A P:21.30W PF:0.9910 Lamp Flux:2728.88x1 lm		
NAME: 方形 12W-22W 4K 草坪灯样品	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.13*0.16	Shielding Angle:



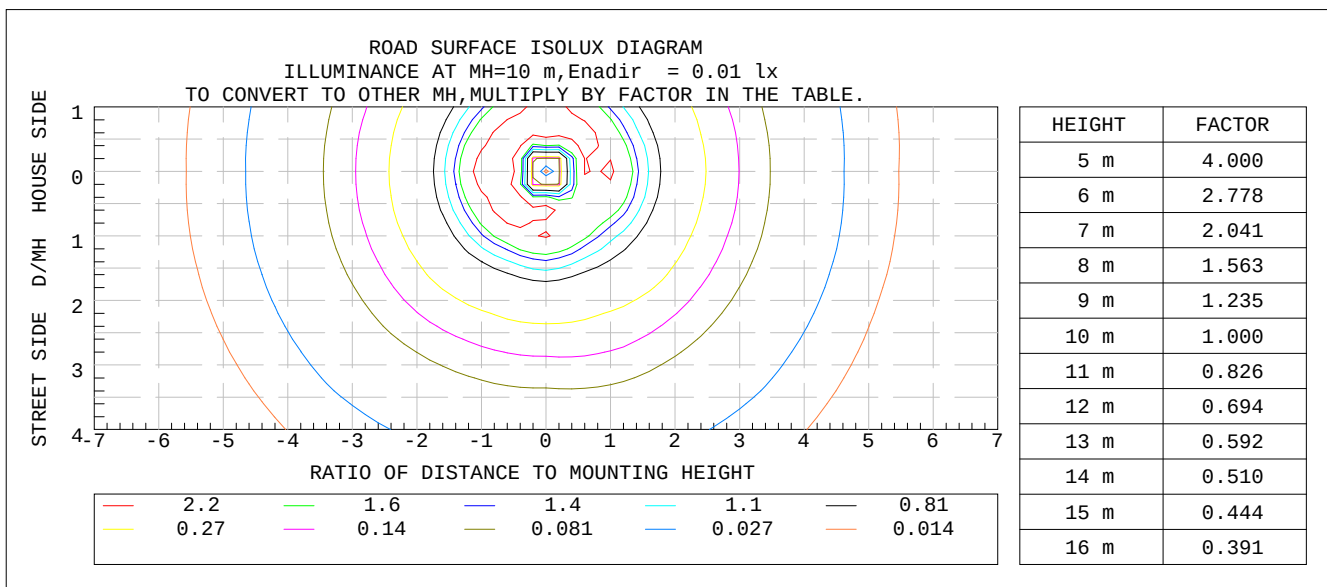
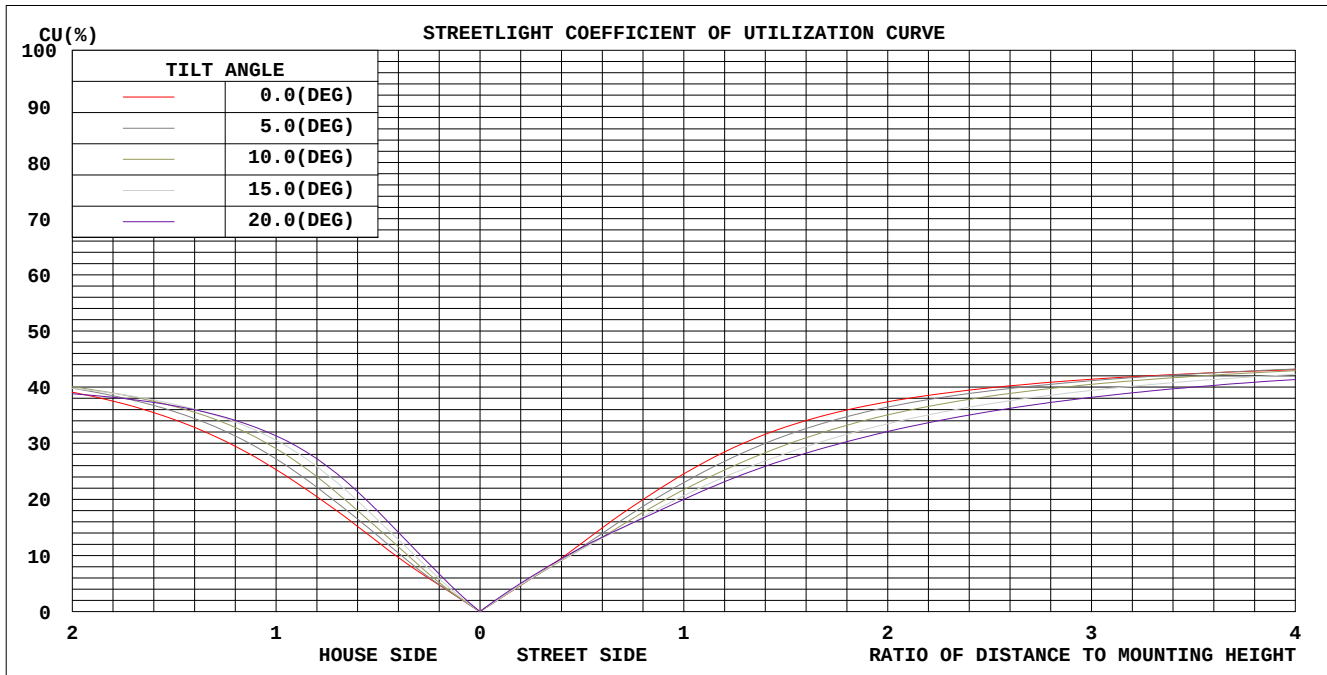
Classification:

IES:Type V - Short
CIE:Narrow - Short
IES:None cut-off
CIE:Non-cut-off
Max.At80:106.6cd/klm
Max.At90:38.87cd/klm
Max.80-90:106.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	806
90%	726
80%	645
70%	565
60%	484
50%	403
40%	323
30%	242
20%	161
10%	81
5%	40

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 G0-2000B_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

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 9.660m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.3V I:0.1790A P:21.30W PF:0.9910 Lamp Flux:2728.88x1 lm		
NAME: 方形 12W-22W 4K 草坪灯样品	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.13*0.16	Shielding Angle:

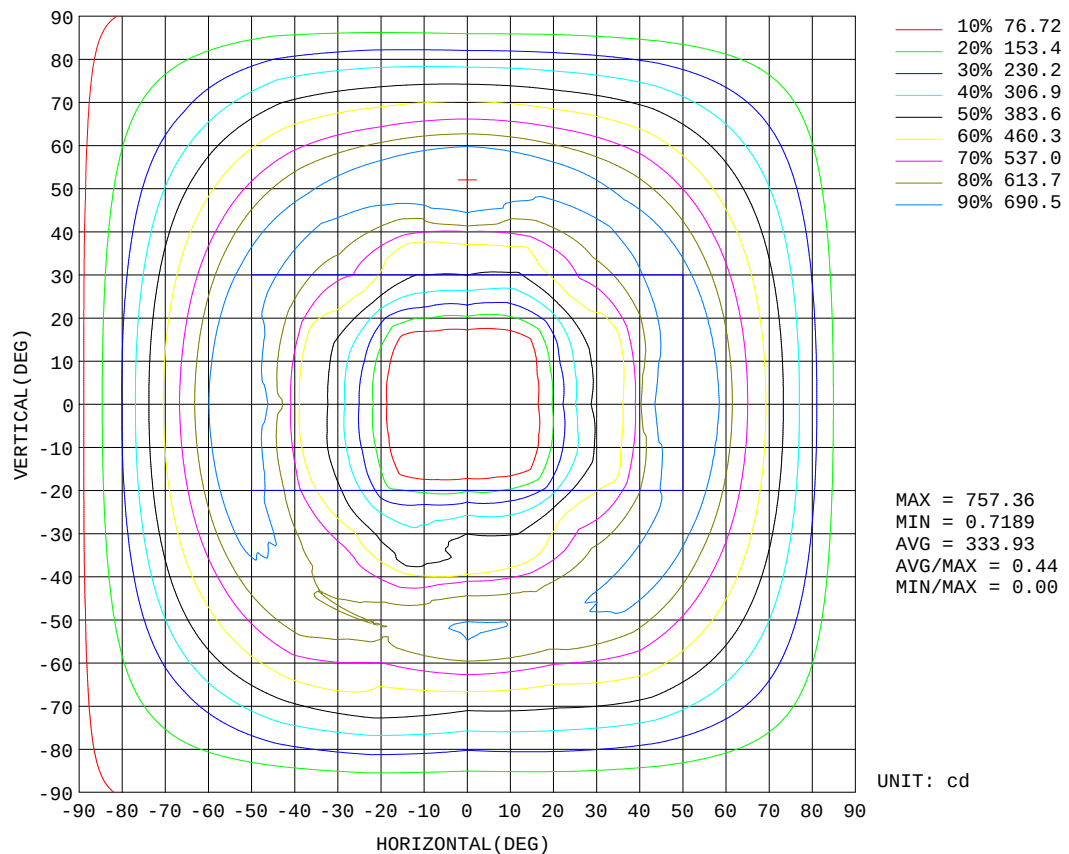
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4.868	5.441	5.404	4.509	3.380	3.911	4.564	5.050	0- 10	0.2559	0.2559	0.01,0.01
20	158.8	55.61	149.2	32.43	100.5	35.64	142.5	57.97	10- 20	10.42	10.67	0.39,0.39
30	389.3	350.1	385.3	267.2	334.6	309.3	387.7	375.8	20- 30	107.9	118.6	4.34,4.34
40	585.1	548.0	480.3	507.3	471.3	531.2	540.1	587.1	30- 40	267.0	385.6	14.1,14.1
50	732.8	665.3	685.9	626.3	728.1	656.3	755.9	716.8	40- 50	478.4	864.0	31.7,31.7
60	640.2	641.1	606.0	667.8	667.1	651.8	690.2	694.5	50- 60	619.5	1484	54.4,54.4
70	430.8	443.7	404.3	492.2	456.9	469.6	467.4	487.9	60- 70	541.6	2025	74.2,74.2
80	243.3	260.8	235.7	283.2	224.6	287.1	271.6	287.4	70- 80	379.8	2405	88.1,88.1
90	84.33	91.61	89.32	105.9	66.93	104.5	97.07	100.1	80- 90	183.9	2589	94.9,94.9
100	30.20	38.37	29.64	41.36	31.25	40.74	33.21	42.12	90-100	64.41	2653	97.2,97.2
110	18.53	21.27	18.25	27.24	20.79	26.65	20.65	23.99	100-110	32.23	2685	98.4,98.4
120	11.30	12.60	11.47	14.02	12.06	13.08	11.69	13.49	110-120	16.40	2702	99.99
130	10.17	11.36	9.942	12.85	10.09	11.71	10.29	12.42	120-130	10.43	2712	99.4,99.4
140	8.474	8.871	7.556	10.15	8.554	9.174	8.788	9.826	130-140	7.766	2720	99.7,99.7
150	6.939	6.174	6.805	6.683	6.965	5.845	7.017	6.502	140-150	4.950	2725	99.9,99.9
160	4.244	4.965	3.977	5.028	3.724	4.491	4.585	5.136	150-160	2.599	2728	100,100
170	2.345	2.772	2.648	2.579	1.869	2.296	2.626	2.827	160-170	1.061	2729	100,100
180	0.5745	0.5745	0.5963	0.5090	0.5892	0.5450	0.5810	0.5726	170-180	0.1755	2729	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 G0-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:9.660m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

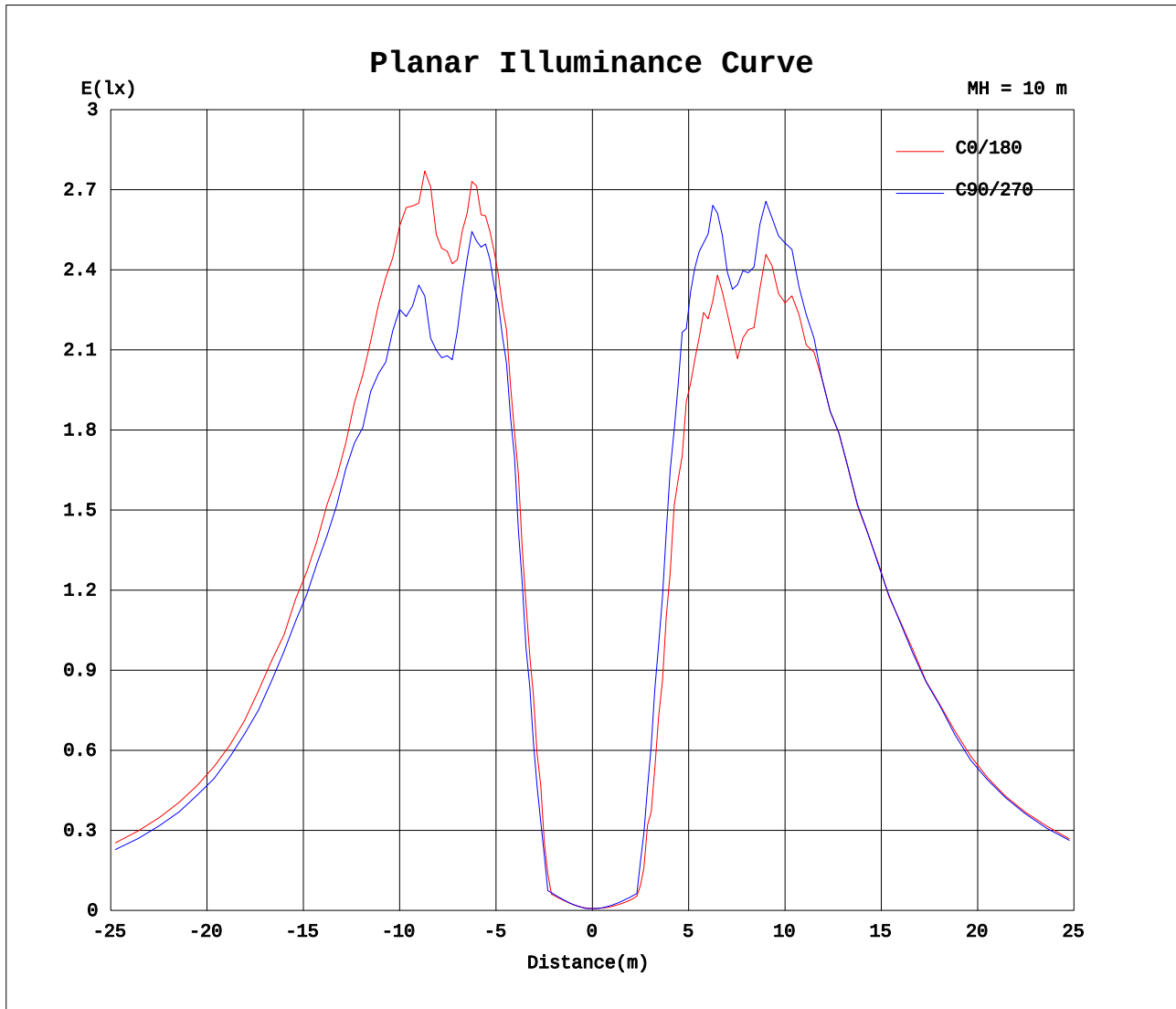
Test:U:120.3V I:0.1790A P:21.30W PF:0.9910 Lamp Flux:2728.88x1 lm		
NAME: 方形 12W-22W 4K 草坪灯样品	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.13*0.16	Shielding Angle:



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 G0-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 9.660m [K=1.0000]
Remarks:

Planar Illuminance Curve



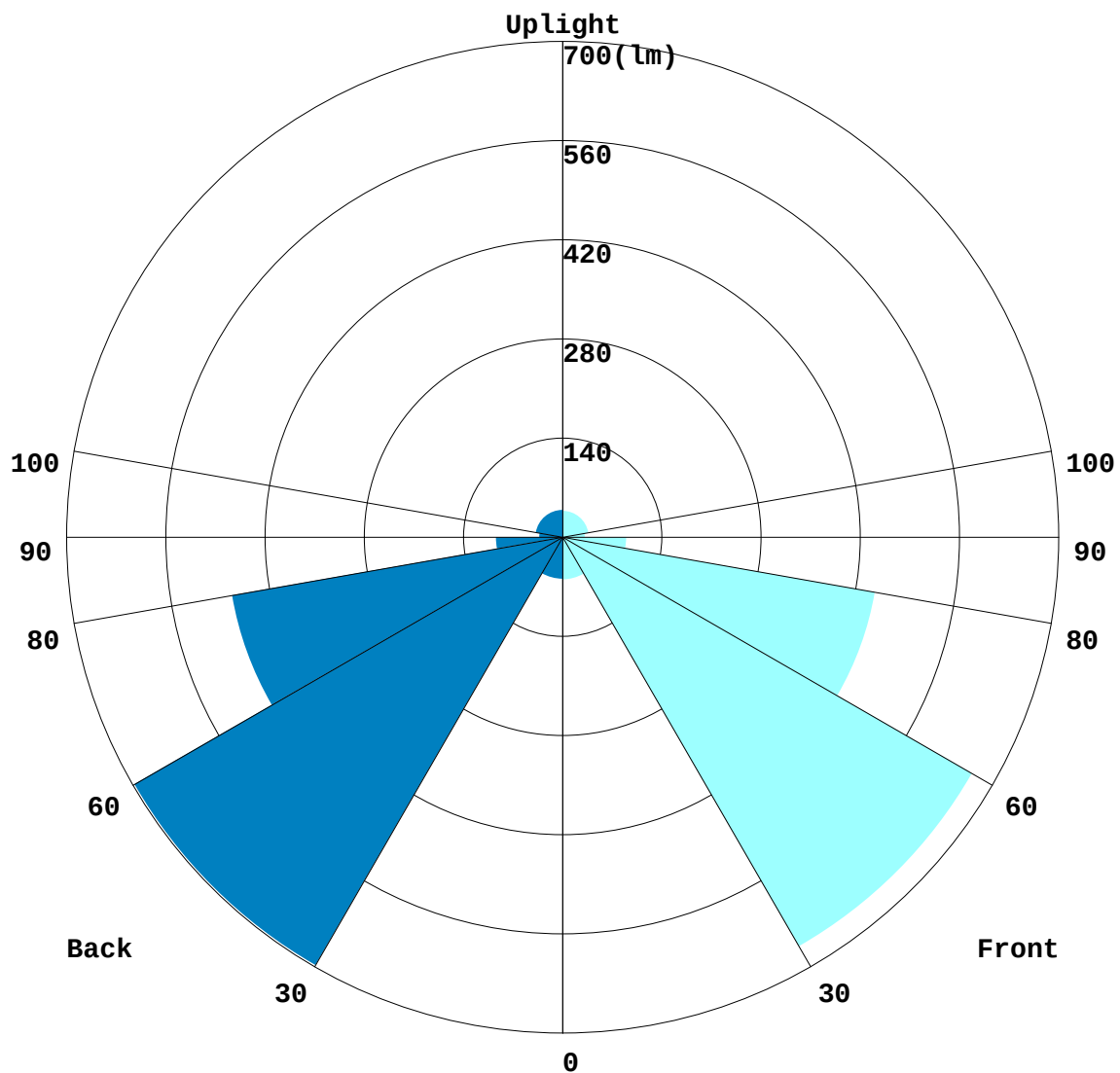
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LY
Test Date: 2020-0713

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 9.660m [K=1.0000]
Remarks:

LCS REPORT

Test:U:120.3V I:0.1790A P:21.30W PF:0.9910 Lamp Flux:2728.88x1 lm		
NAME: 方形 12W-22W 4K 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

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 9.660m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:120.3V I:0.1790A P:21.30W PF:0.9910 Lamp Flux:2728.88x1 lm		
NAME: 方形 12W-22W 4K 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)	59.751	2.2
FM - Front-Medium(30-60)	667.21	24.4
FH - Front-High(60-80)	447.65	16.4
FVH - Front-Very High(80-90)	89.916	3.3
Total Forward Light	1333	48.8

BL - Back-Low(0-30)	58.815	2.2
BM - Back-Medium(30-60)	697.75	25.6
BH - Back-High(60-80)	473.76	17.4
BVH - Back-Very High(80-90)	94.005	3.4
Total Back Light	1395.9	51.2

UL - Uplight-Low(90-100)	64.411	2.4
UH - Uplight-High(100-180)	75.618	2.8
Total Up Light	140.03	5.1

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1324.3	71.536	1395.9
Street Side	1264.5	68.492	1333

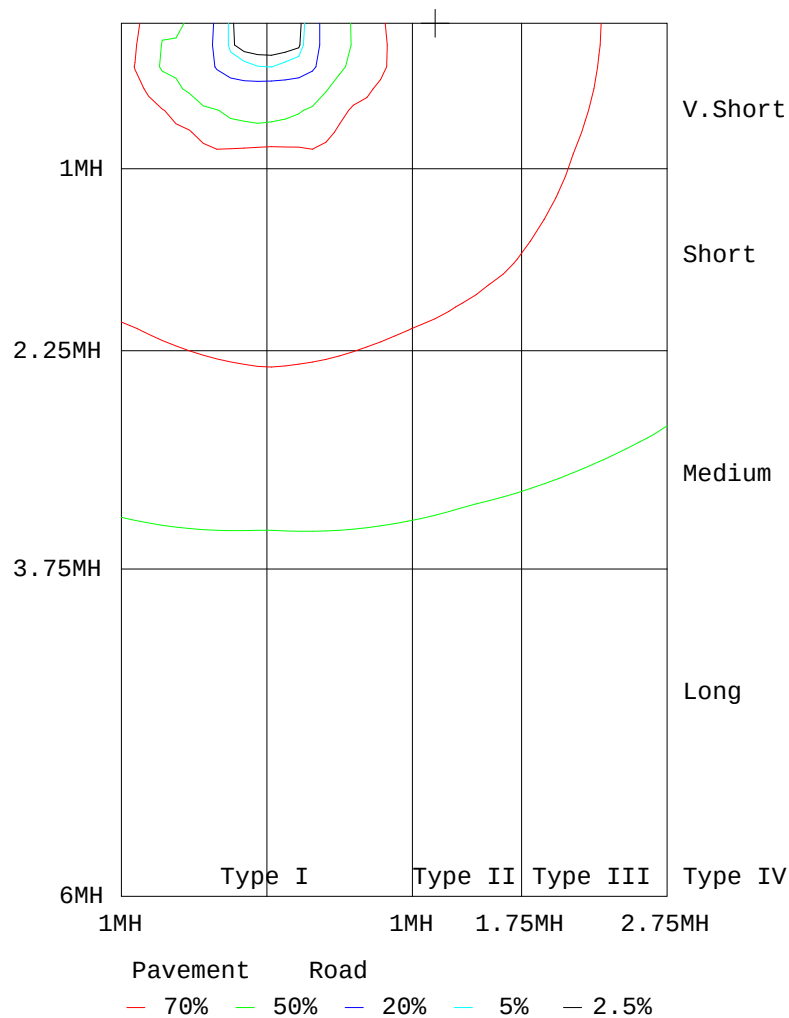
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LY
 Test Date:2020-0713

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:9.660m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.3V I:0.1790A P:21.30W PF:0.9910 Lamp Flux:2728.88x1 lm		
NAME: 方形 12W-22W 4K 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

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_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:0.1790A P:21.30W PF:0.9910 Lamp Flux:2728.88x1 lm																	
NAME: 方形 12W-22W 4K 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	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80			
5	1.95	1.91	2.00	2.00	1.97	1.83	1.48	1.37	1.31	1.12	1.43	1.44	1.76	1.76	1.95	1.91			
10	4.87	4.86	5.44	5.27	5.40	5.00	4.51	4.02	3.38	3.39	3.91	4.04	4.56	4.92	5.05	5.24			
15	50.4	26.2	10.8	25.1	37.1	18.9	8.98	13.2	17.2	8.79	7.94	19.4	32.5	18.7	10.00	32.7			
20	159	114	55.6	112	149	104	32.4	90.8	101	76.6	35.6	110	142	102	58.0	145			
25	295	236	182	239	291	238	135	214	222	199	152	243	293	230	192	298			
30	389	330	350	334	385	316	267	342	335	294	309	342	388	346	376	414			
35	430	409	469	397	398	368	379	451	395	380	448	410	438	446	506	480			
40	585	480	548	468	480	403	507	530	471	429	531	454	540	502	587	572			
45	704	596	615	580	641	559	584	634	625	548	600	580	712	634	657	715			
50	733	655	665	626	686	639	626	752	728	627	656	665	756	705	717	785			
55	713	656	683	625	695	640	646	799	728	663	682	691	756	734	731	795			
60	640	609	641	571	606	596	668	745	667	631	652	643	690	690	695	736			
65	521	498	529	464	494	494	590	619	551	525	556	530	565	567	582	601			
70	431	419	444	394	404	461	492	515	457	439	470	443	467	469	488	498			
75	340	336	355	322	323	374	391	407	346	345	379	360	372	374	393	401			
80	243	243	261	239	236	273	283	270	225	236	287	270	272	272	287	291			
85	147	149	162	154	156	173	171	173	141	152	179	173	170	174	178	179			
90	84.3	86.7	91.6	92.3	89.3	98.3	106	101	66.9	83.0	104	99.0	97.1	102	100	106			
95	41.8	51.4	55.1	51.8	39.5	60.6	65.8	51.8	43.1	52.4	69.2	61.0	47.3	62.5	61.1	60.4			
100	30.2	35.1	38.4	35.0	29.6	37.5	41.4	41.8	31.3	36.9	40.7	37.7	33.2	39.7	42.1	41.4			
105	24.3	29.2	32.6	28.7	23.3	31.8	37.2	35.9	25.3	31.5	36.1	31.3	26.4	33.2	36.5	33.9			
110	18.5	20.0	21.3	20.7	18.3	23.2	27.2	27.4	20.8	23.2	26.7	23.2	20.6	23.6	24.0	23.6			
115	13.7	14.5	14.5	15.1	14.1	15.8	17.3	19.8	15.8	16.5	16.7	16.2	15.4	16.5	15.8	17.1			
120	11.3	12.1	12.6	11.8	11.5	12.3	14.0	15.0	12.1	12.8	13.1	12.3	11.7	12.9	13.5	13.9			
125	10.6	11.0	12.0	10.5	10.6	10.6	13.4	13.1	10.7	11.3	12.2	11.0	10.7	11.6	12.9	12.6			
130	10.2	10.4	11.4	9.85	9.94	9.48	12.9	12.3	10.1	10.5	11.7	10.2	10.3	10.9	12.4	12.0			
135	9.52	9.65	10.3	9.28	8.98	8.72	11.7	11.4	9.40	9.81	10.7	9.62	9.57	10.18	11.4	11.3			
140	8.47	8.53	8.87	8.27	7.56	8.64	10.15	10.05	8.55	8.63	9.17	8.68	8.79	8.94	9.83	10.16			
145	7.45	7.69	7.52	7.23	7.02	8.04	8.37	8.88	7.50	7.65	7.61	7.69	7.55	7.95	8.31	9.19			
150	6.94	6.56	6.17	6.06	6.81	6.90	6.68	7.71	6.97	6.69	5.85	6.83	7.02	6.89	6.50	8.06			
155	5.22	5.24	5.42	5.07	5.08	5.66	5.58	6.11	5.11	5.14	4.92	5.53	5.76	5.54	5.55	6.33			
160	4.24	4.48	4.97	4.50	3.98	4.41	5.03	4.91	3.72	3.93	4.49	4.34	4.58	4.83	5.14	5.32			
165	3.23	3.69	4.22	3.79	3.30	3.76	3.96	3.62	2.90	3.07	3.71	3.51	3.56	3.93	4.43	4.30			
170	2.34	2.62	2.77	2.72	2.65	2.85	2.58	2.37	1.87	2.07	2.30	2.69	2.63	2.87	2.83	3.10			
175	1.30	1.52	1.58	1.36	1.55	1.76	1.56	1.54	1.25	1.45	1.47	1.69	1.31	1.59	1.54	1.66			
180	0.57	0.51	0.57	0.56	0.60	0.61	0.51	0.54	0.59	0.55	0.55	0.56	0.58	0.61	0.57	0.52			

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 G0-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:9.660m [K=1.0000]
Remarks: