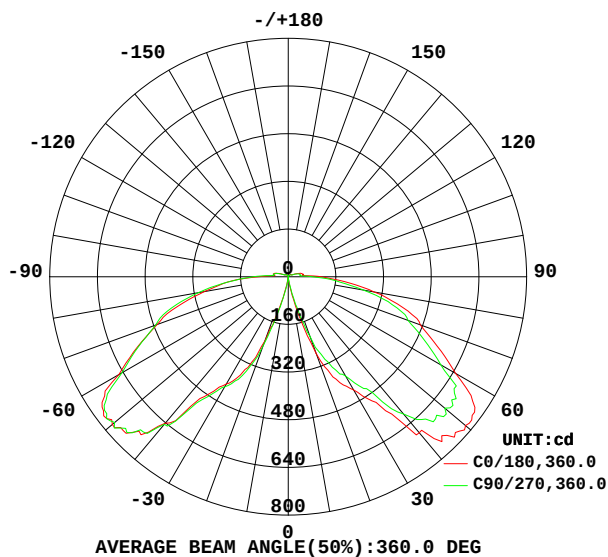
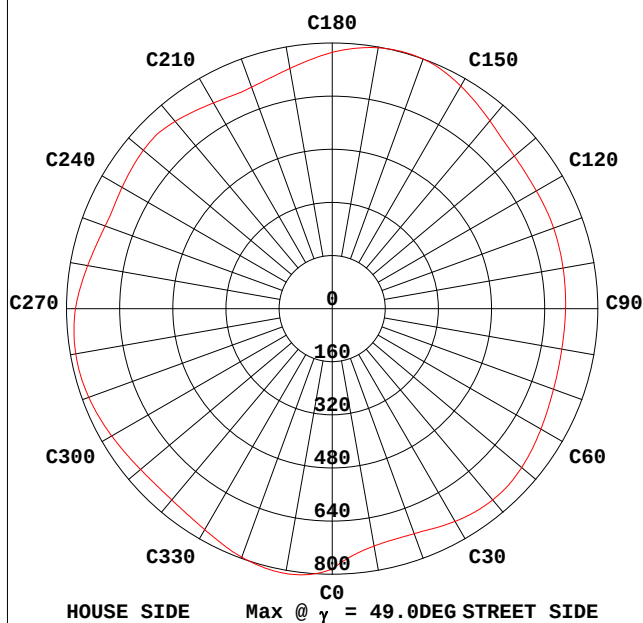


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.9V I:0.1770A P:21.10W PF:0.9900 Lamp Flux:2998.2x1 lm		
NAME: 圆形 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: 142.09 lm/W			
MODEL		Imax(cd)	796.6	η street_up(%)	2.8
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	46.2
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2998	η house_up(%)	2.9
NOMINAL FLUX(lm)	2998.2	MAXIMUM @(C, γ)	158,49.0	η house_down(%)	48.1
LAMPS INSIDE	1	η up(%)	5.7	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	94.3	SLI	21.020

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

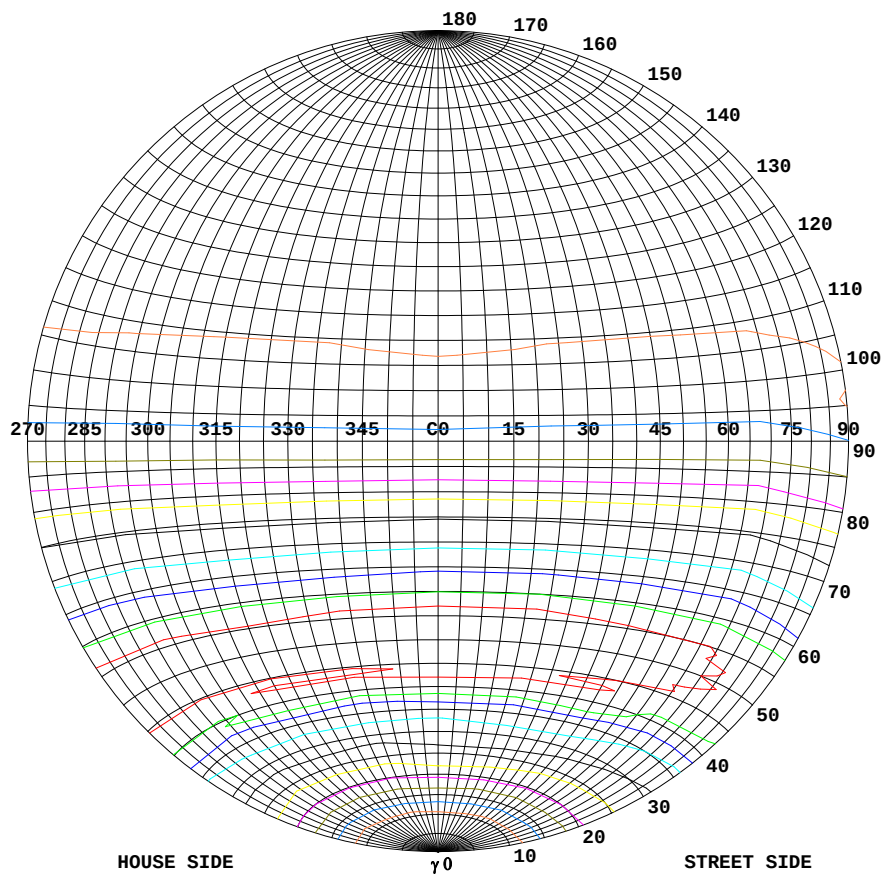
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LY
 Test Date: 2020-07-09

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:119.9V I:0.1770A P:21.10W PF:0.9900 Lamp Flux:2998.2x1 lm		
NAME: 圆形 12W-22W 4K 草坪灯样品	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.13*0.16	Shielding Angle:



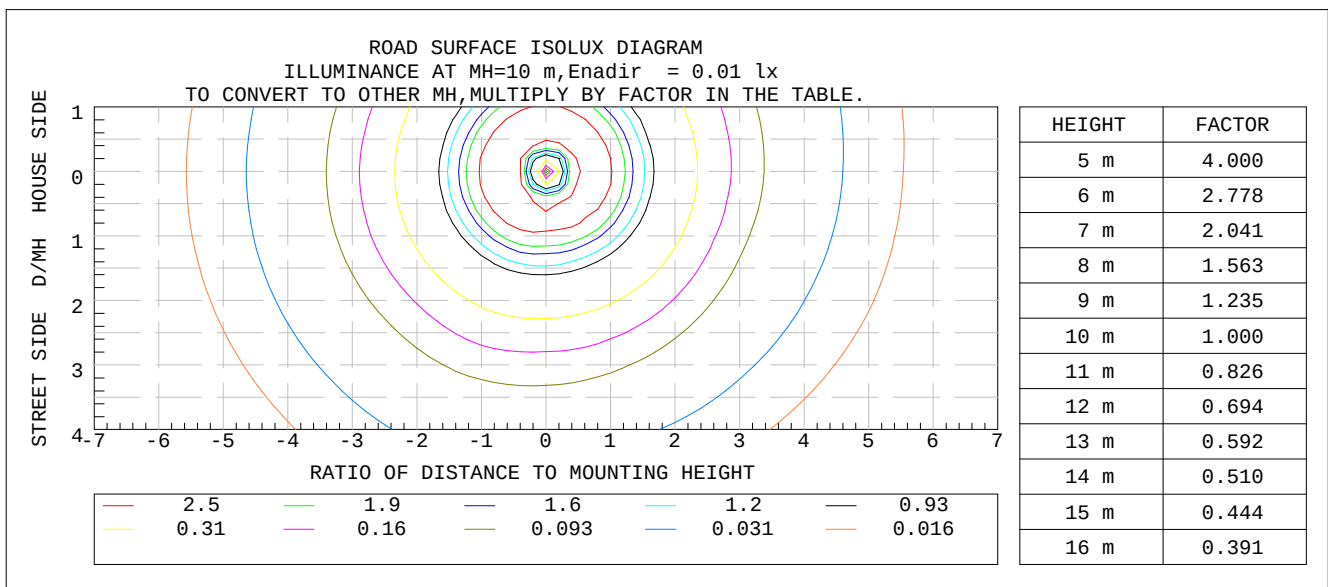
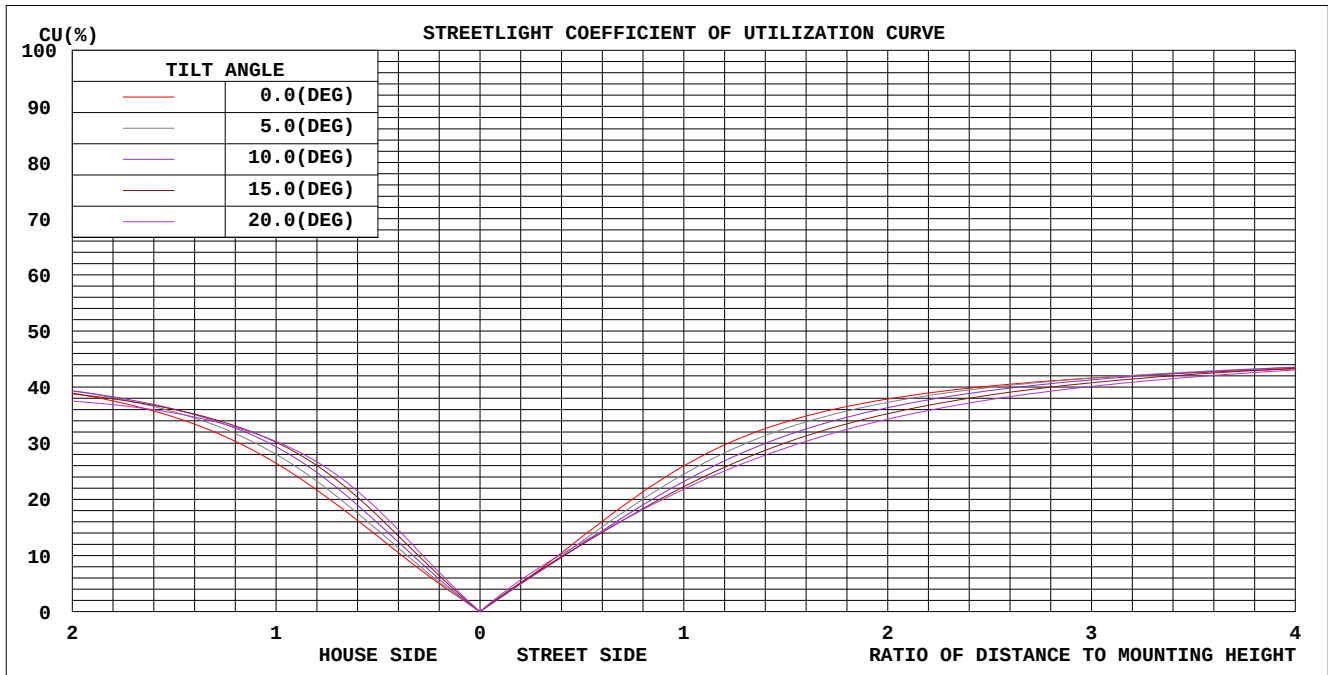
Classification:

IES:Type V - Short
 CIE:Average - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:101.5cd/klm
 Max.At90:39.22cd/klm
 Max.80-90:101.5cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	797
90%	717
80%	637
70%	558
60%	478
50%	398
40%	319
30%	239
20%	159
10%	80
5%	40

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LY
 Test Date:2020-07-09

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: 2020-07-09

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:119.9V I:0.1770A P:21.10W PF:0.9900 Lamp Flux:2998.2x1 lm		
NAME: 圆形 12W-22W 4K 草坪灯样品	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.13*0.16	Shielding Angle:

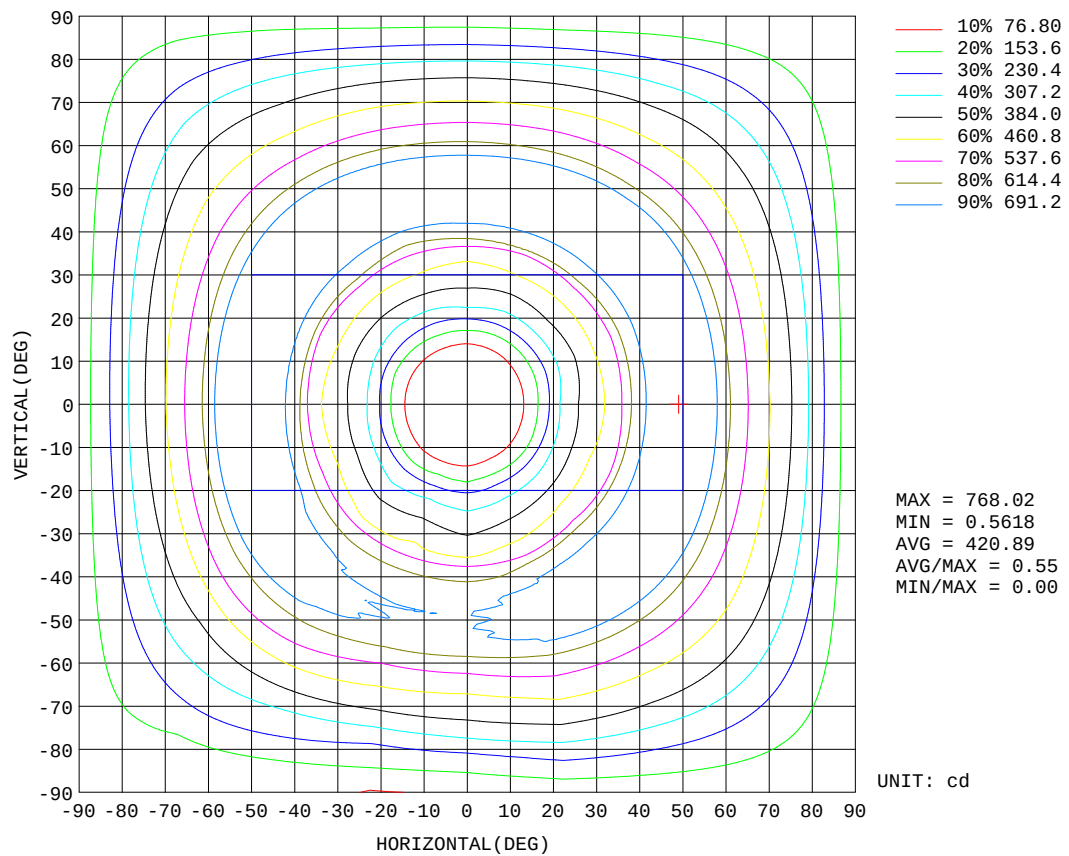
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	30.69	25.52	20.71	13.38	12.72	15.52	18.22	27.35	0- 10	0.5995	0.5995	0.02,0.02
20	274.1	248.6	212.2	194.0	228.8	214.9	241.8	243.2	10- 20	33.63	34.23	1.14,1.14
30	438.6	435.4	384.7	389.7	415.7	415.1	426.2	427.8	20- 30	158.3	192.5	6.42,6.42
40	684.1	657.0	600.8	593.0	641.8	652.3	646.6	660.7	30- 40	325.5	518.1	17.3,17.3
50	776.6	743.0	685.8	702.0	770.7	753.6	760.9	742.6	40- 50	548.8	1067	35.6,35.6
60	647.9	620.0	591.0	608.1	656.2	627.6	644.4	609.9	50- 60	636.0	1703	56.8,56.8
70	471.7	452.7	427.9	424.0	467.7	455.5	473.2	447.3	60- 70	528.1	2231	74.4,74.4
80	291.4	284.4	254.7	241.3	285.7	302.1	304.5	283.4	70- 80	393.7	2625	87.5,87.5
90	110.3	111.4	82.24	93.58	101.0	116.7	117.6	107.0	80- 90	202.2	2827	94.3,94.3
100	51.61	51.11	41.59	50.00	51.31	52.56	50.48	51.73	90-100	72.47	2899	96.7,96.7
110	31.71	37.87	27.52	34.81	32.60	39.78	29.43	37.55	100-110	46.72	2946	98.3,98.3
120	13.35	15.70	12.26	14.15	13.05	15.46	12.88	14.86	110-120	22.62	2969	99,99
130	11.90	13.69	10.66	12.67	11.64	14.06	11.26	13.61	120-130	11.71	2980	99.4,99.4
140	9.041	10.67	8.044	10.15	8.983	11.37	8.640	10.70	130-140	8.799	2989	99.7,99.7
150	6.342	7.609	5.159	6.337	5.839	8.356	6.501	7.430	140-150	5.174	2994	99.9,99.9
160	4.232	4.635	3.611	3.725	4.494	5.309	4.320	4.837	150-160	2.493	2997	100,100
170	2.916	2.702	2.928	2.807	3.423	3.106	3.096	2.666	160-170	1.075	2998	100,100
180	0.9919	0.9054	0.9293	0.9046	0.9609	0.9205	0.9448	0.8594	170-180	0.2155	2998	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:2020-07-09

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

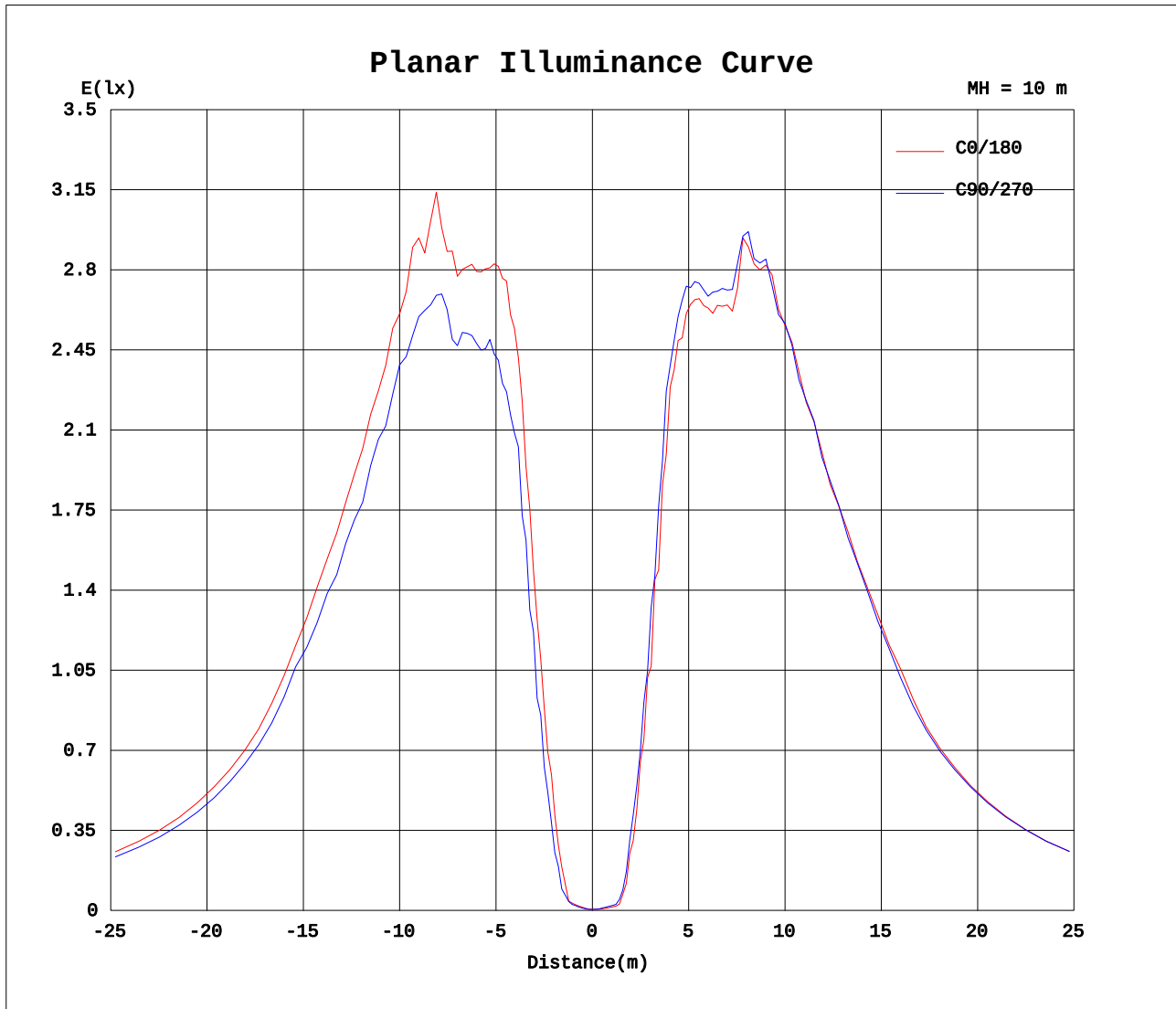
Test:U:119.9V I:0.1770A P:21.10W PF:0.9900 Lamp Flux:2998.2x1 lm		
NAME: 圆形 12W-22W 4K 草坪灯样品	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.13*0.16	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LY
Test Date:2020-07-09

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



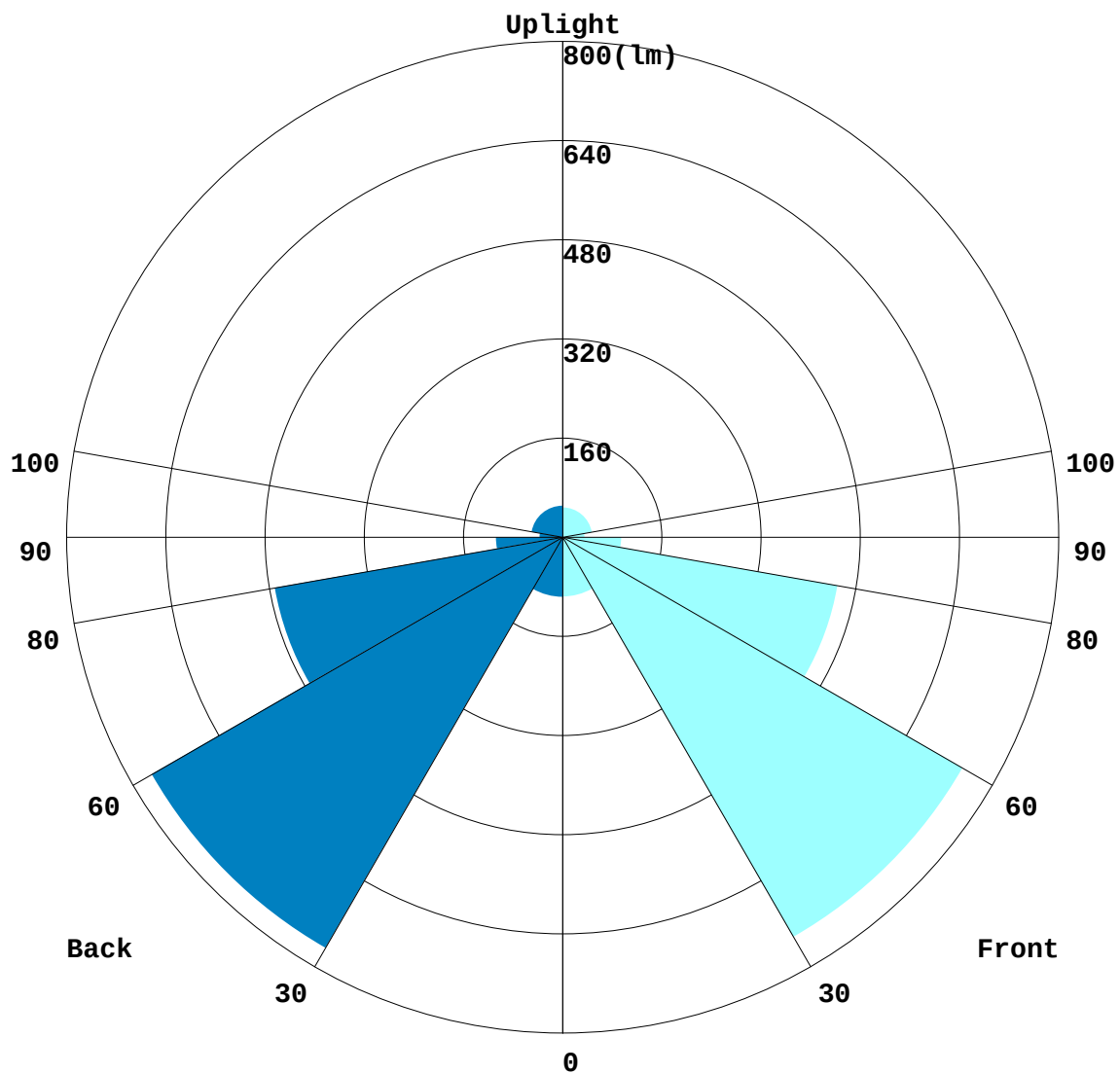
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LY
Test Date: 2020-07-09

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:119.9V I:0.1770A P:21.10W PF:0.9900 Lamp Flux:2998.2x1 lm		
NAME: 圆形 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: 2020-07-09

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:119.9V I:0.1770A P:21.10W PF:0.9900 Lamp Flux:2998.2x1 lm		
NAME: 圆形 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)	96.016	3.2
FM - Front-Medium(30-60)	745.04	24.8
FH - Front-High(60-80)	450.33	15.0
FVH - Front-Very High(80-90)	94.607	3.2
Total Forward Light	1469.3	49.0

BL - Back-Low(0-30)	96.534	3.2
BM - Back-Medium(30-60)	765.33	25.5
BH - Back-High(60-80)	471.53	15.7
BVH - Back-Very High(80-90)	107.56	3.6
Total Back Light	1528.9	51.0

UL - Uplight-Low(90-100)	72.468	2.4
UH - Uplight-High(100-180)	98.804	3.3
Total Up Light	171.27	5.7

BUG(Back,Up,Glare) Rating	B1-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1440.9	87.917	1528.9
Street Side	1386	83.355	1469.3

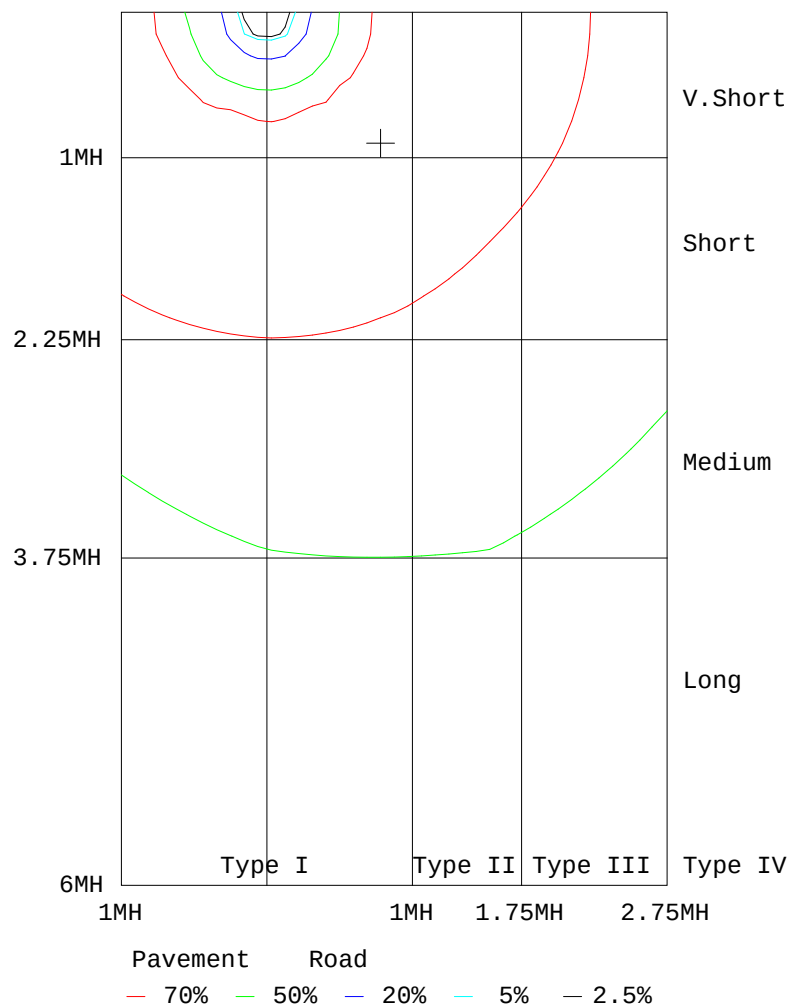
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LY
 Test Date:2020-07-09

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:119.9V I:0.1770A P:21.10W PF:0.9900 Lamp Flux:2998.2x1 lm		
NAME: 圆形 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:2020-07-09

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:119.9V I:0.1770A P:21.10W PF:0.9900 Lamp Flux:2998.2x1 lm																	
NAME: 圆形 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	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57			
5	2.66	2.63	2.78	2.47	2.25	1.93	1.47	1.42	1.37	1.19	1.47	1.55	1.94	2.03	2.16	2.32			
10	30.7	26.0	25.5	26.3	20.7	13.8	13.4	13.4	12.7	12.6	15.5	16.0	18.2	21.9	27.3	26.5			
15	124	109	103	99.6	96.6	92.9	80.6	91.0	84.8	84.6	91.0	98.4	103	104	104	118			
20	274	252	249	233	212	224	194	218	229	193	215	217	242	246	243	256			
25	379	346	351	324	316	343	305	347	343	313	331	325	366	355	350	365			
30	439	424	435	402	385	420	390	434	416	397	415	412	426	443	428	453			
35	515	481	524	470	458	474	453	520	491	460	502	488	503	510	513	531			
40	684	622	657	605	601	601	593	649	642	593	652	625	647	638	661	684			
45	753	685	715	682	688	681	683	763	738	668	707	697	740	737	713	757			
50	777	715	743	699	686	694	702	784	771	715	754	727	761	768	743	787			
55	764	706	723	695	680	681	704	779	763	706	735	717	754	754	722	774			
60	648	601	620	596	591	585	608	671	656	604	628	613	644	636	610	654			
65	551	510	530	517	505	504	522	567	559	517	536	526	554	550	523	559			
70	472	438	453	446	428	425	424	451	468	440	456	449	473	470	447	476			
75	397	365	379	378	361	335	322	354	384	374	386	382	405	398	378	401			
80	291	270	284	284	255	228	241	280	286	290	302	290	304	299	283	297			
85	189	175	187	187	163	151	147	157	204	194	201	194	202	195	186	194			
90	110	103	111	109	82.2	76.4	93.6	103	101	110	117	112	118	111	107	111			
95	49.9	56.7	61.5	59.7	40.1	58.6	61.3	63.2	46.9	58.9	63.7	61.7	51.5	60.8	58.5	59.9			
100	51.6	49.1	51.1	49.5	41.6	43.6	50.0	54.0	51.3	50.5	52.6	51.1	50.5	53.1	51.7	55.0			
105	45.0	43.0	45.5	43.9	37.0	40.0	44.5	47.9	45.9	45.4	47.9	45.2	43.3	46.4	45.7	48.9			
110	31.7	35.5	37.9	35.4	27.5	32.6	34.8	37.7	32.6	36.9	39.8	36.3	29.4	36.9	37.5	40.0			
115	17.8	21.8	23.8	22.0	15.9	20.3	21.2	23.1	18.3	22.3	24.7	22.2	16.8	22.3	23.1	23.9			
120	13.3	14.3	15.7	14.2	12.3	13.4	14.2	14.7	13.0	13.8	15.5	14.5	12.9	14.6	14.9	15.0			
125	12.4	12.8	14.3	12.6	11.2	12.2	13.0	13.2	11.9	12.3	14.0	13.0	11.8	13.3	13.9	13.9			
130	11.9	12.4	13.7	12.2	10.7	11.8	12.7	13.1	11.6	12.4	14.1	12.7	11.3	12.8	13.6	13.6			
135	10.9	11.1	12.5	10.9	9.78	10.5	11.5	11.8	10.8	11.5	13.3	11.7	10.2	11.7	12.6	12.4			
140	9.04	9.29	10.7	9.17	8.04	8.85	10.2	9.95	8.98	9.73	11.4	10.1	8.64	10.05	10.7	10.5			
145	7.75	8.03	9.18	7.74	6.14	7.19	8.39	8.18	7.33	8.24	9.73	8.72	7.88	8.51	8.98	8.90			
150	6.34	6.57	7.61	6.71	5.16	5.17	6.34	6.25	5.84	7.01	8.36	7.19	6.50	6.74	7.43	7.15			
155	5.02	5.18	6.02	5.05	4.54	3.81	4.41	4.30	4.40	5.47	6.74	5.69	5.03	5.40	6.10	5.73			
160	4.23	4.28	4.64	4.07	3.61	3.90	3.72	3.74	4.49	4.64	5.31	4.75	4.32	4.64	4.84	4.78			
165	3.70	3.55	3.50	3.36	3.22	3.50	4.04	3.92	3.97	3.87	4.33	3.88	3.81	3.86	3.77	3.87			
170	2.92	2.69	2.70	2.59	2.93	3.05	2.81	3.01	3.42	3.10	3.11	2.98	3.10	3.01	2.67	2.93			
175	1.88	1.65	1.75	1.76	2.05	1.89	1.80	2.04	2.35	2.18	2.02	2.10	2.10	2.11	1.70	1.96			
180	0.99	0.89	0.91	0.88	0.93	0.91	0.90	0.92	0.96	0.92	0.92	0.91	0.94	0.93	0.86	0.91			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LY
Test Date:2020-07-09

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: