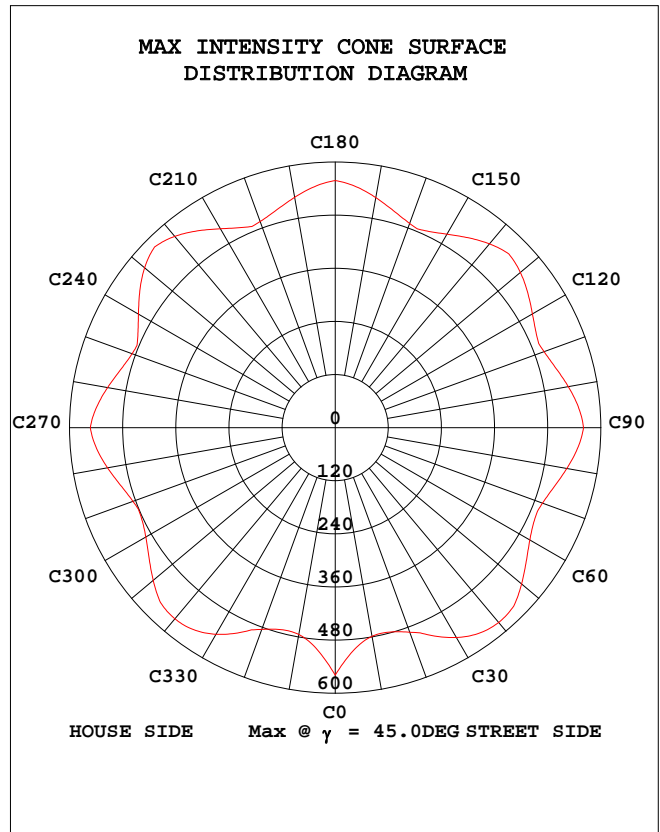
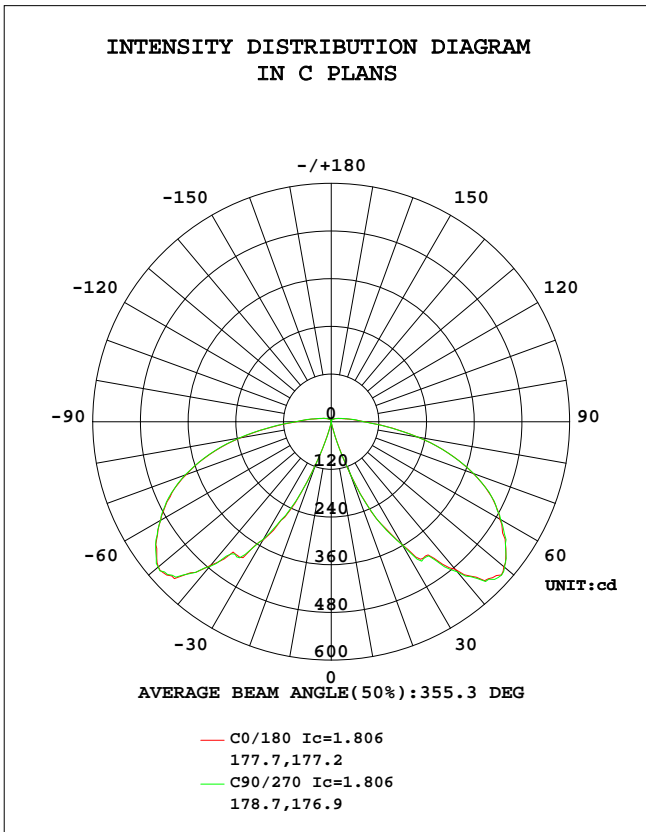


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.86V I:0.1739A P:20.716W PF:0.9939 Freq:59.98Hz Lamp Flux:2570.03x1 lm		
NAME: PLTS-12361 22W 4K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.595*0.595	Shielding Angle:

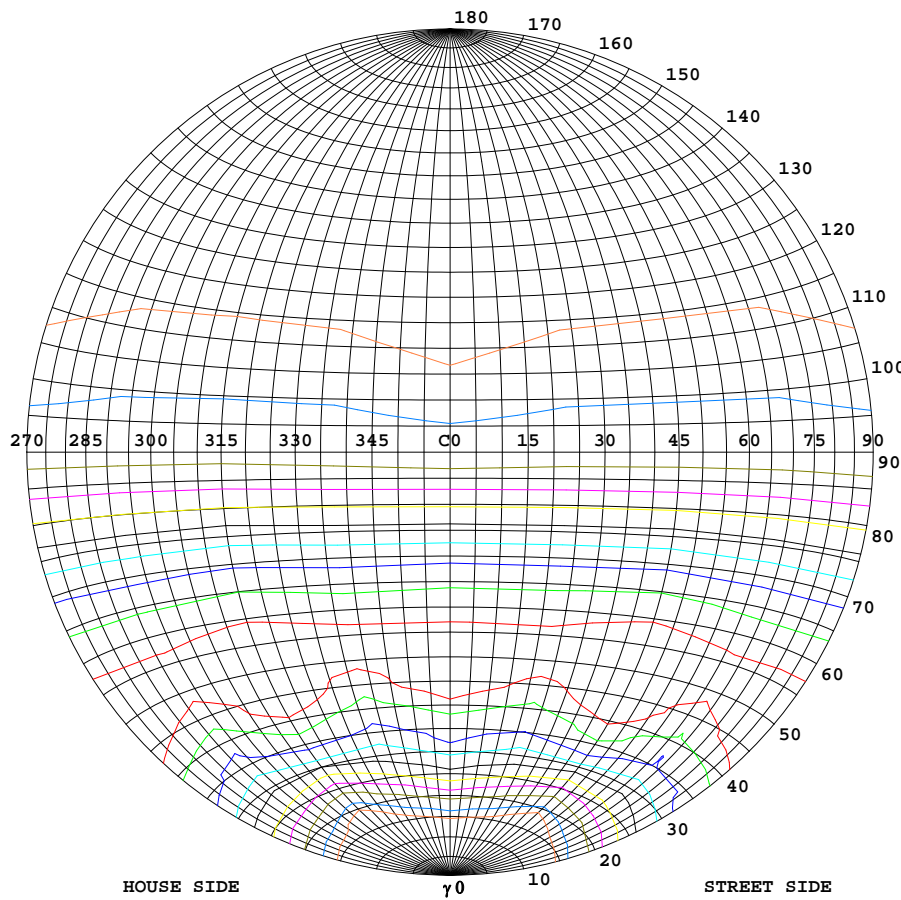
DATA OF LAMP		PHOTOMETRIC DATA Eff: 124.06 lm/W			
MODEL		I _{max} (cd)	577.1	η street_up(%)	3.8
NOMINAL POWER(W)	25	LOR(%)	100.0	η street_down(%)	46.2
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2570	η house_up(%)	3.9
NOMINAL FLUX(lm)	2570.03	MAXIMUM @(C,γ)	225,45.0	η house_down(%)	46.2
LAMPS INSIDE	1	η up(%)	7.7	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	92.3	SLI	20.662



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JINZHI
 Test Date:2022-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

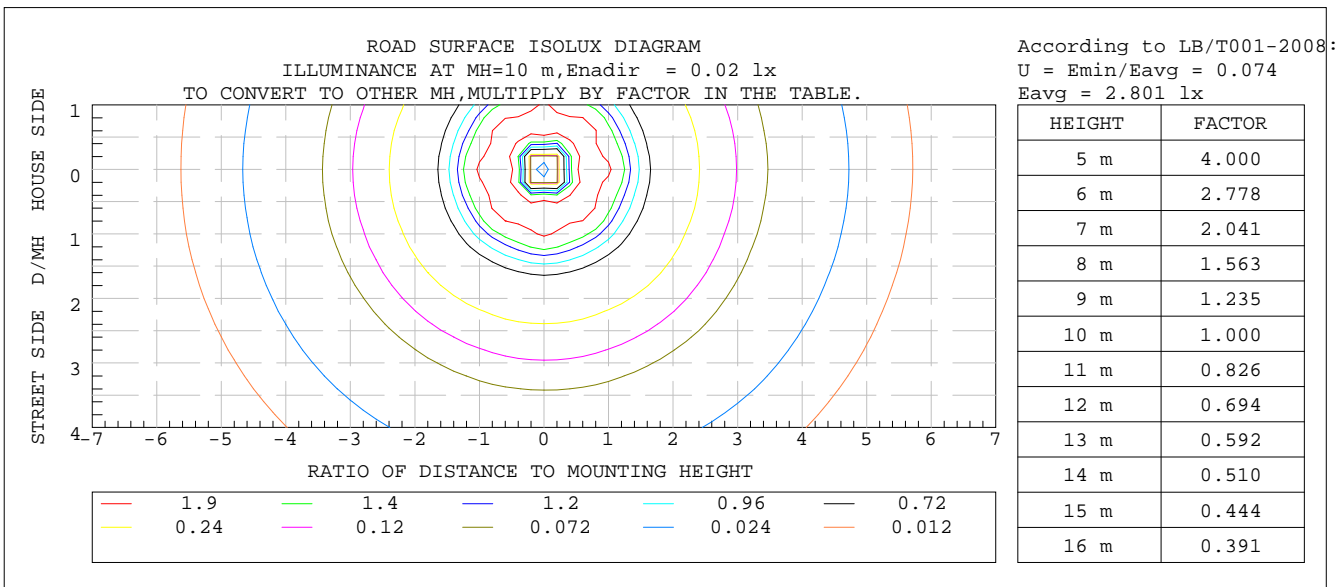
IES:Type V - Very Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:104.9cd/klm
 Max.At90:43.80cd/klm
 Max.80-90:104.9cd/klm
 NRB 5101:Semi limited[12.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	577
90%	519
80%	462
70%	404
60%	346
50%	289
40%	231
30%	173
20%	115
10%	58
5%	29

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JINZHI
 Test Date:2022-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [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: JINZHI
Test Date: 2022-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.429
Humidity: 65.0%
Test Distance: 8.450m [K=1.0000]
Remarks:

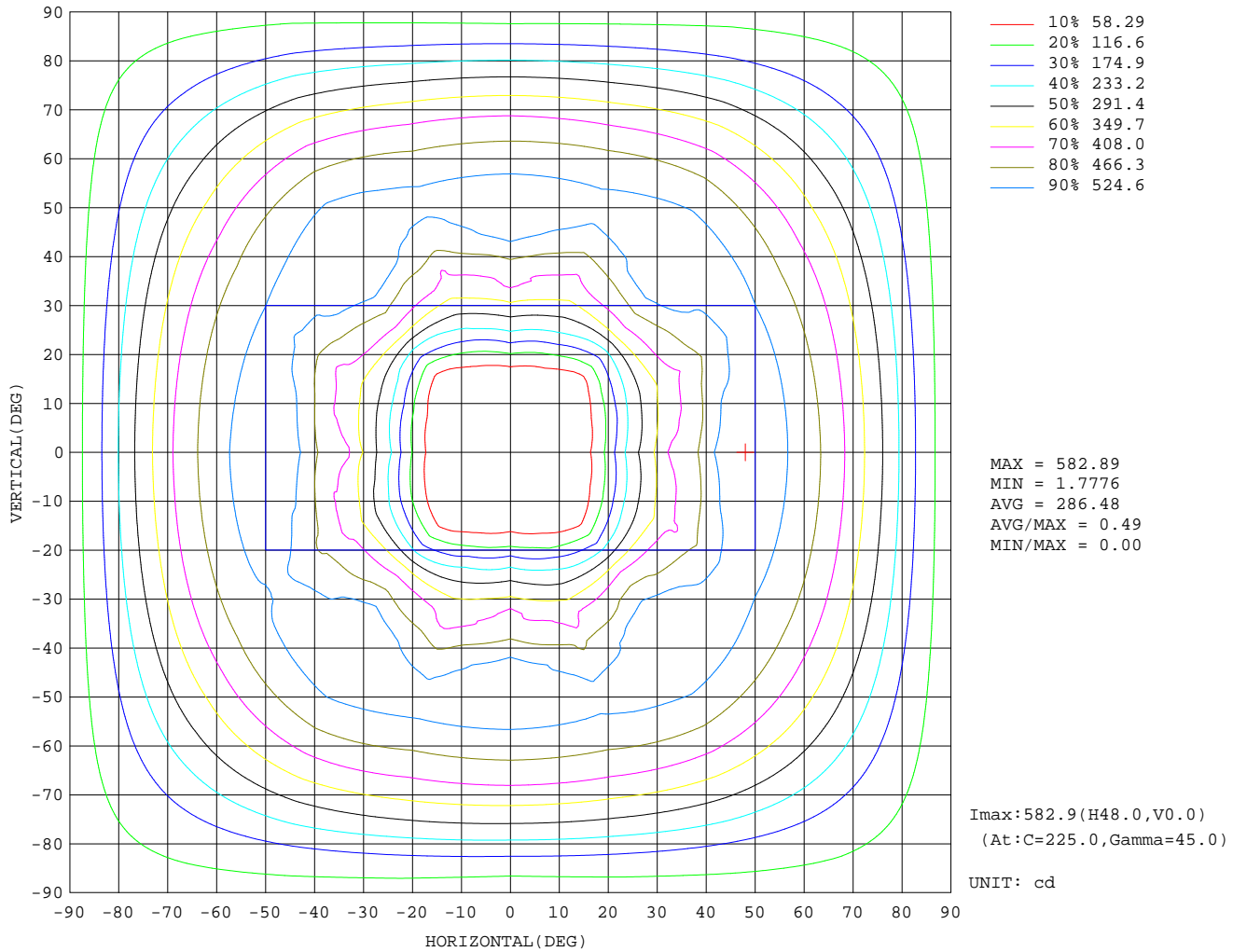
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2.931	3.054	2.914	3.173	3.262	2.950	2.698	2.811	0- 10	0.2312	0.2312	0.01,0.01
20	138.5	46.88	140.2	37.31	113.1	22.70	112.4	32.94	10- 20	8.617	8.848	0.37,0.37
30	358.0	327.7	358.0	302.9	344.2	284.1	340.6	288.4	20- 30	97.58	106.4	4.5,4.5
40	484.4	536.6	492.7	508.2	471.0	512.3	475.5	507.2	30- 40	252.8	359.3	15.2,15.2
50	567.2	561.5	569.5	555.1	568.2	568.2	568.4	553.3	40- 50	403.3	762.5	32.3,32.3
60	490.0	519.5	492.2	518.1	495.9	530.6	495.8	511.8	50- 60	477.5	1240	52.5,52.5
70	380.3	392.3	381.5	394.4	388.7	410.8	391.6	394.8	60- 70	446.0	1686	71.4,71.4
80	219.4	227.1	219.3	233.0	232.2	247.9	234.9	232.7	70- 80	329.9	2016	85.3,85.3
90	84.05	95.30	82.33	96.38	88.45	103.5	90.26	99.29	80- 90	165.8	2182	92.3,92.3
100	41.31	54.86	43.01	55.48	42.68	58.84	43.83	55.88	90-100	75.87	2258	95.5,95.5
110	24.56	33.98	25.04	34.33	24.78	35.75	25.67	34.17	100-110	43.08	2301	97.4,97.4
120	16.83	23.47	16.98	23.66	16.63	24.35	17.62	23.51	110-120	25.95	2327	98.5,98.5
130	12.41	17.26	12.42	17.44	11.90	17.86	12.97	17.32	120-130	16.32	2343	99.2,99.2
140	9.061	12.09	8.995	12.38	8.410	12.57	9.230	12.20	130-140	10.02	2353	99.6,99.6
150	6.922	7.583	7.011	7.941	6.880	7.955	7.003	7.719	140-150	5.656	2359	99.8,99.8
160	4.719	5.357	4.832	5.630	4.832	5.807	4.963	5.580	150-160	2.900	2362	99.9,99.9
170	2.466	2.504	2.330	2.619	2.694	2.921	2.879	2.878	160-170	1.194	2363	100,100
180	0.4375	0.4702	0.4529	0.7303	0.4319	0.4587	0.5096	0.7360	170-180	0.1798	2363	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JINZHI
 Test Date:2022-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

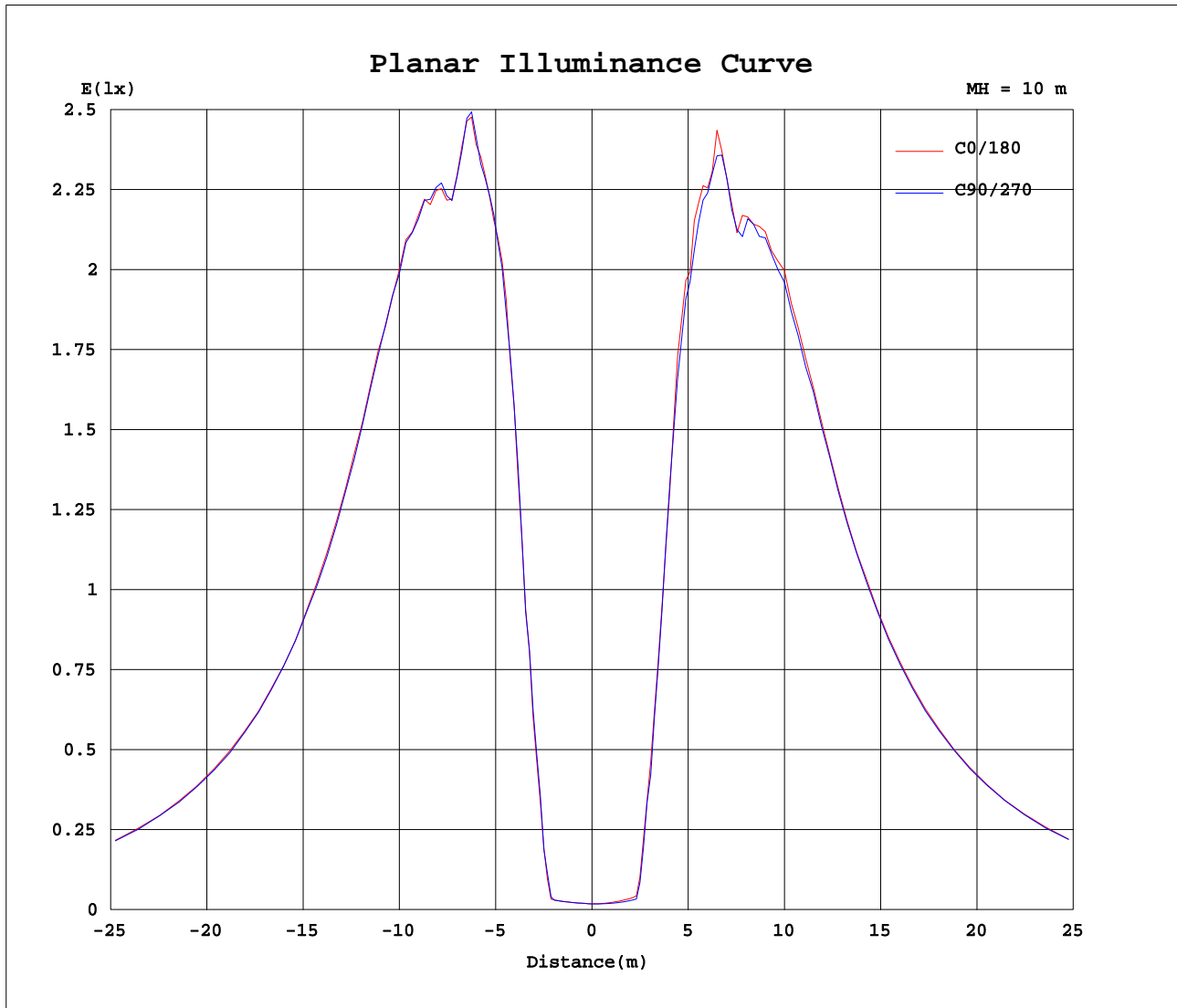
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JINZHI
 Test Date: 2022-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity: 65.0%
 Test Distance: 8.450m [K=1.0000]
 Remarks:

Planar Illuminance Curve



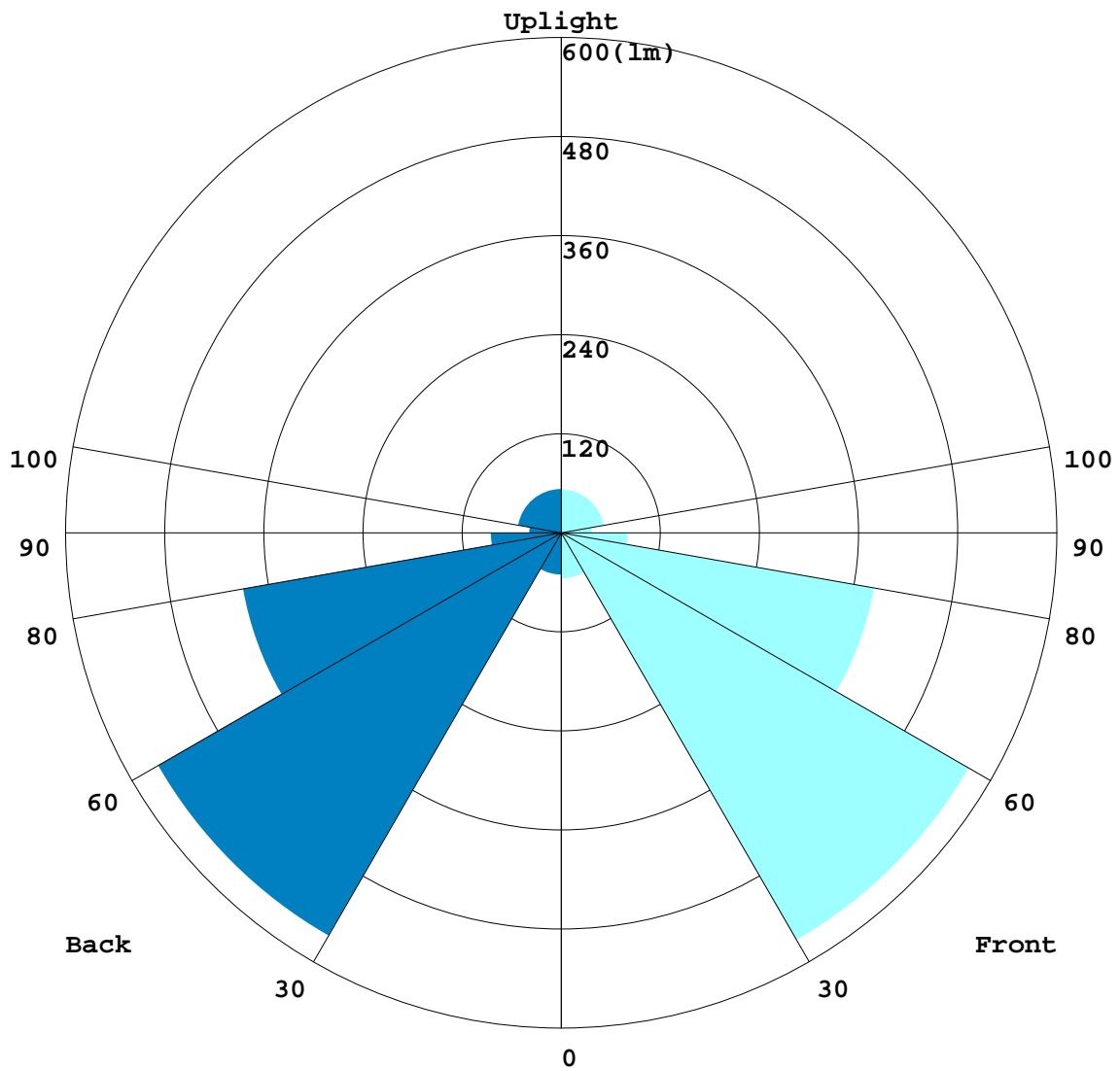
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JINZHI
 Test Date: 2022-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity: 65.0%
 Test Distance: 8.450m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:119.86V I:0.1739A P:20.716W PF:0.9939 Freq:59.98Hz Lamp Flux:2570.03x1 lm		
NAME: PLTS-12361 22W 4K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.595*0.595	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JINZHI
 Test Date:2022-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:119.86V I:0.1739A P:20.716W PF:0.9939 Freq:59.98Hz Lamp Flux:2570.03x1 lm		
NAME: PLTS-12361 22W 4K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.595*0.595	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	55.658	2.4
FM - Front-Medium(30-60)	569.89	24.1
FH - Front-High(60-80)	384.78	16.3
FVH - Front-Very High(80-90)	80.735	3.4
Total Forward Light	1180.6	50.0

BL - Back-Low(0-30)	50.773	2.1
BM - Back-Medium(30-60)	563.67	23.9
BH - Back-High(60-80)	391.1	16.6
BVH - Back-Very High(80-90)	85.104	3.6
Total Back Light	1182.2	50.0

UL - Uplight-Low(90-100)	75.872	3.2
UH - Uplight-High(100-180)	105.31	4.5
Total Up Light	181.18	7.7

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1090.6	91.592	1182.2
Street Side	1091.1	89.586	1180.6

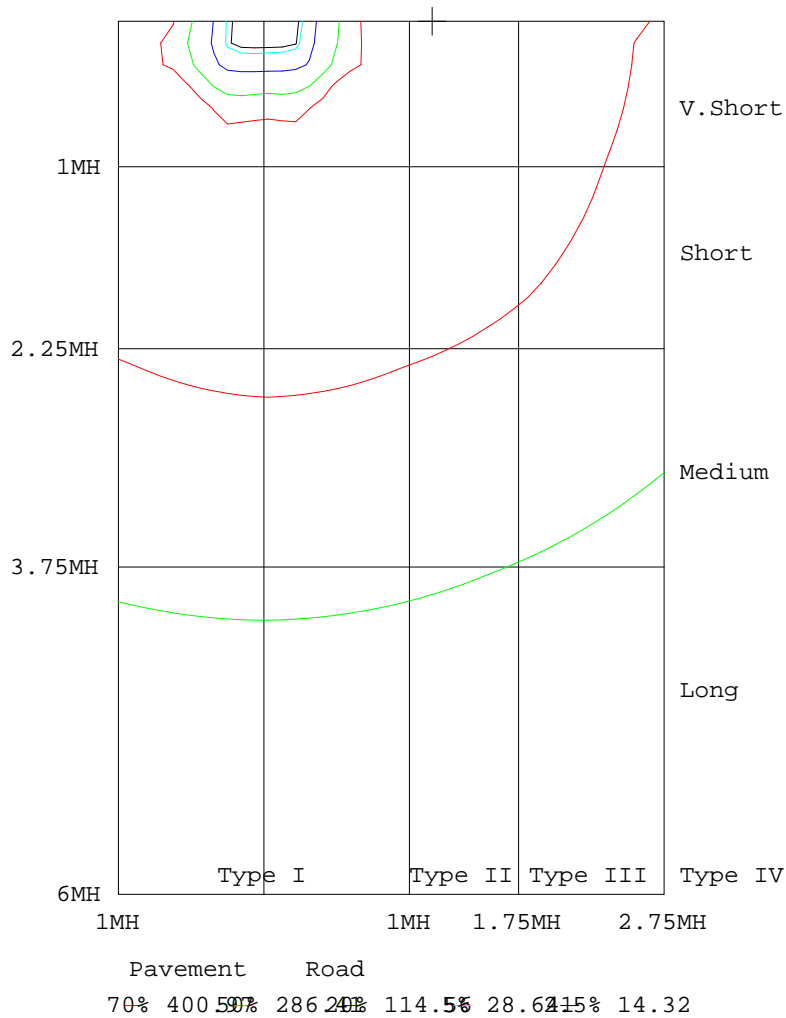
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JINZHI
 Test Date:2022-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:119.86V I:0.1739A P:20.716W PF:0.9939 Freq:59.98Hz Lamp Flux:2570.03x1 lm		
NAME: PLTS-12361 22W 4K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.595*0.595	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JINZHI
 Test Date:2022-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:8.450m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81			
5	2.18	2.23	2.28	2.23	2.20	2.15	2.24	2.22	2.15	2.12	2.11	1.98	1.97	2.08	2.13	2.13			
10	2.93	2.99	3.05	2.97	2.91	2.93	3.17	3.28	3.26	3.22	2.95	2.81	2.70	2.87	2.81	2.88			
15	36.7	21.1	4.31	20.3	39.2	20.6	4.80	9.43	24.1	12.9	4.57	7.72	21.5	10.6	4.19	18.5			
20	138	105	46.9	102	140	101	37.3	78.7	113	86.6	22.7	80.9	112	85.4	32.9	99.0			
25	269	227	169	222	269	229	149	194	245	208	133	193	239	202	142	218			
30	358	321	328	314	358	328	303	293	344	304	284	291	341	298	288	311			
35	413	404	453	406	416	399	429	386	411	390	432	379	415	391	422	395			
40	484	447	537	447	493	445	508	423	471	425	512	415	475	428	507	434			
45	559	502	570	494	561	497	555	486	558	492	577	485	553	482	558	494			
50	567	548	562	531	570	528	555	522	568	530	568	525	568	531	553	530			
55	535	532	553	530	535	530	544	523	539	534	554	532	539	526	544	533			
60	490	499	519	496	492	495	518	502	496	499	531	505	496	498	512	493			
65	445	447	464	447	444	440	463	449	448	453	479	453	451	449	460	442			
70	380	383	392	381	381	382	394	388	389	390	411	392	392	385	395	380			
75	305	307	314	307	305	310	318	313	316	317	333	320	318	314	320	307			
80	219	223	227	222	219	224	233	231	232	236	248	237	235	231	233	226			
85	139	142	143	141	138	143	146	149	148	153	160	155	151	151	150	144			
90	84.1	91.1	95.3	91.0	82.3	90.6	96.4	95.2	88.5	97.3	103	98.0	90.3	95.2	99.3	92.9			
95	59.0	69.0	70.5	69.4	60.1	69.2	70.8	72.0	62.2	71.8	75.2	73.4	63.5	70.5	71.7	69.8			
100	41.3	53.3	54.9	54.3	43.0	53.6	55.5	57.0	42.7	55.3	58.8	57.5	43.8	54.1	55.9	54.3			
105	31.0	41.2	42.6	42.3	32.0	41.6	43.1	44.3	31.5	42.5	45.2	44.3	32.5	41.6	43.0	41.8			
110	24.6	32.8	34.0	33.5	25.0	33.0	34.3	35.0	24.8	33.6	35.8	35.0	25.7	32.9	34.2	33.1			
115	20.1	26.8	27.9	27.3	20.3	26.8	28.2	28.3	20.1	27.3	29.1	28.4	21.0	26.8	28.0	26.9			
120	16.8	22.1	23.5	22.6	17.0	22.1	23.7	23.4	16.6	22.4	24.4	23.5	17.6	22.2	23.5	22.4			
125	14.5	18.3	20.0	18.7	14.5	18.3	20.2	19.2	14.0	18.4	20.7	19.4	15.0	18.3	20.1	18.6			
130	12.4	15.2	17.3	15.6	12.4	15.3	17.4	15.9	11.9	15.2	17.9	16.1	13.0	15.2	17.3	15.5			
135	10.6	12.8	14.7	13.1	10.6	12.9	14.9	13.2	9.98	12.6	15.3	13.5	10.9	12.7	14.8	13.1			
140	9.06	10.6	12.1	10.7	8.99	10.7	12.4	10.8	8.41	10.4	12.6	11.1	9.23	10.5	12.2	10.7			
145	7.82	8.92	9.62	8.96	7.79	9.08	9.88	9.04	7.50	8.92	9.91	9.24	7.91	8.84	9.86	8.99			
150	6.92	7.37	7.58	7.49	7.01	7.63	7.94	7.63	6.88	7.69	7.95	7.66	7.00	7.45	7.72	7.45			
155	5.68	5.92	6.22	5.98	5.70	6.23	6.64	6.21	5.67	6.31	6.62	6.15	5.85	6.10	6.42	5.99			
160	4.72	4.93	5.36	5.03	4.83	5.23	5.63	5.13	4.83	5.36	5.81	5.31	4.96	5.20	5.58	5.11			
165	3.60	4.04	4.26	3.99	3.61	3.96	4.23	4.18	3.90	4.42	4.64	4.40	3.94	4.28	4.55	4.18			
170	2.47	2.71	2.50	2.54	2.33	2.68	2.62	2.73	2.69	2.89	2.92	3.09	2.88	3.05	2.88	2.91			
175	1.20	1.19	1.32	1.27	1.16	1.48	1.41	1.40	1.34	1.56	1.60	1.83	1.62	1.66	1.73	1.76			
180	0.44	0.44	0.47	0.45	0.45	0.72	0.73	0.67	0.43	0.45	0.46	0.45	0.51	0.71	0.74	0.66			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JINZHI
 Test Date: 2022-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.429
 Humidity: 65.0%
 Test Distance: 8.450m [K=1.0000]
 Remarks: