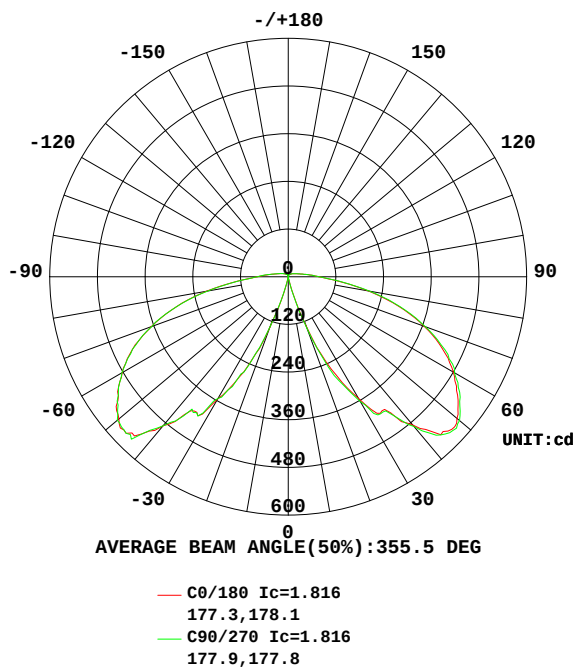
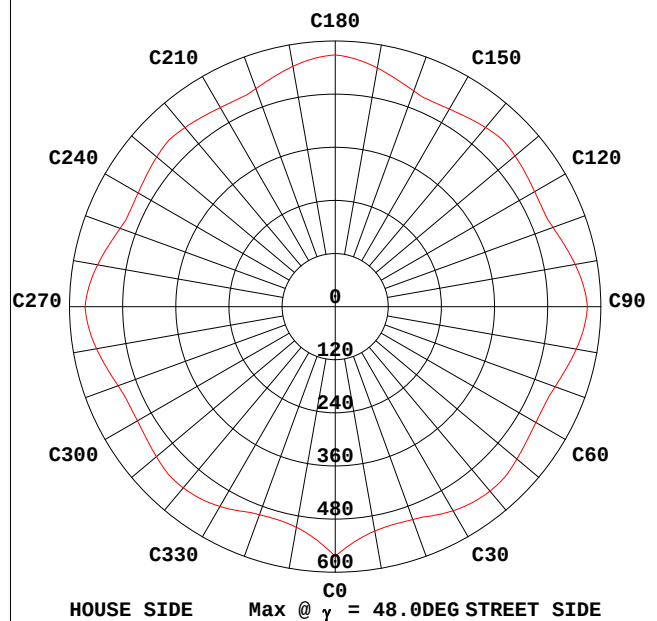


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.87V I:0.1783A P:21.248W PF:0.9941 Freq:59.98Hz Lamp Flux:2269.72x1 lm		
NAME: PLTS-12361 22W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.595*0.595	Shielding Angle:

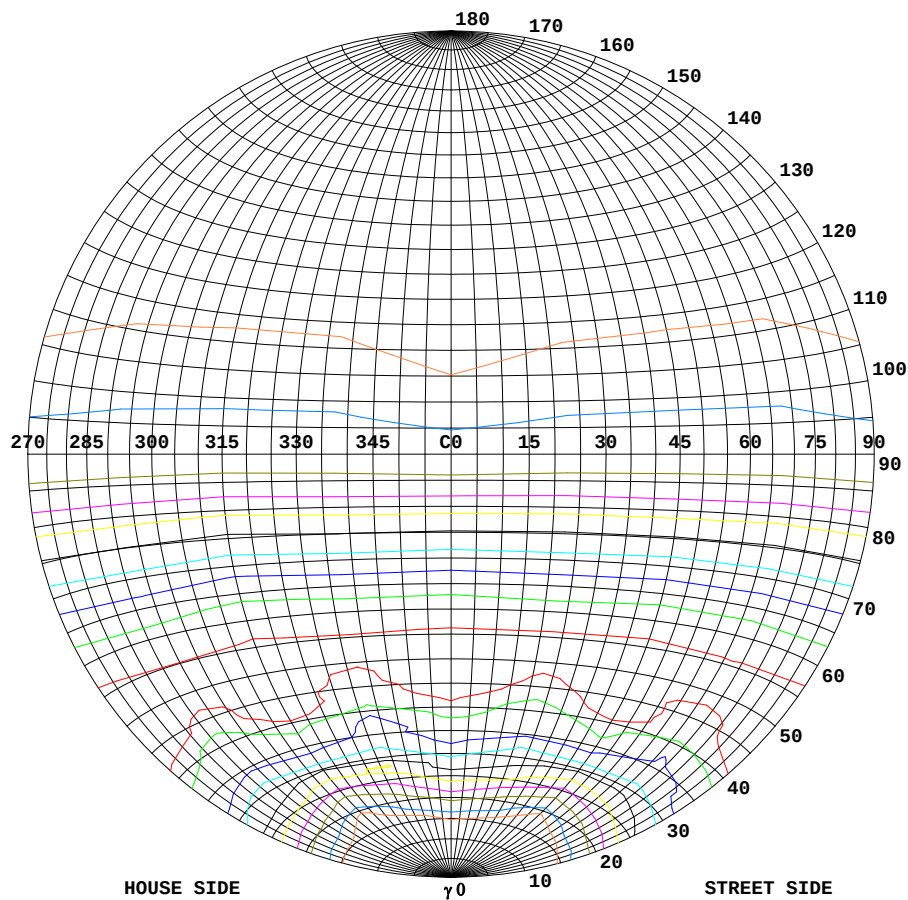
DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.82 lm/W			
MODEL		I _{max} (cd)	569.5	η street_up(%)	3.6
NOMINAL POWER(W)	25	LOR(%)	100.0	η street_down(%)	46.4
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2270	η house_up(%)	3.7
NOMINAL FLUX(lm)	2269.72	MAXIMUM @(C,γ)	90,48.0	η house_down(%)	46.3
LAMPS INSIDE	1	η up(%)	7.3	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	92.7	SLI	20.550

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:JINZHI
Test Date:2022-05-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.450m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

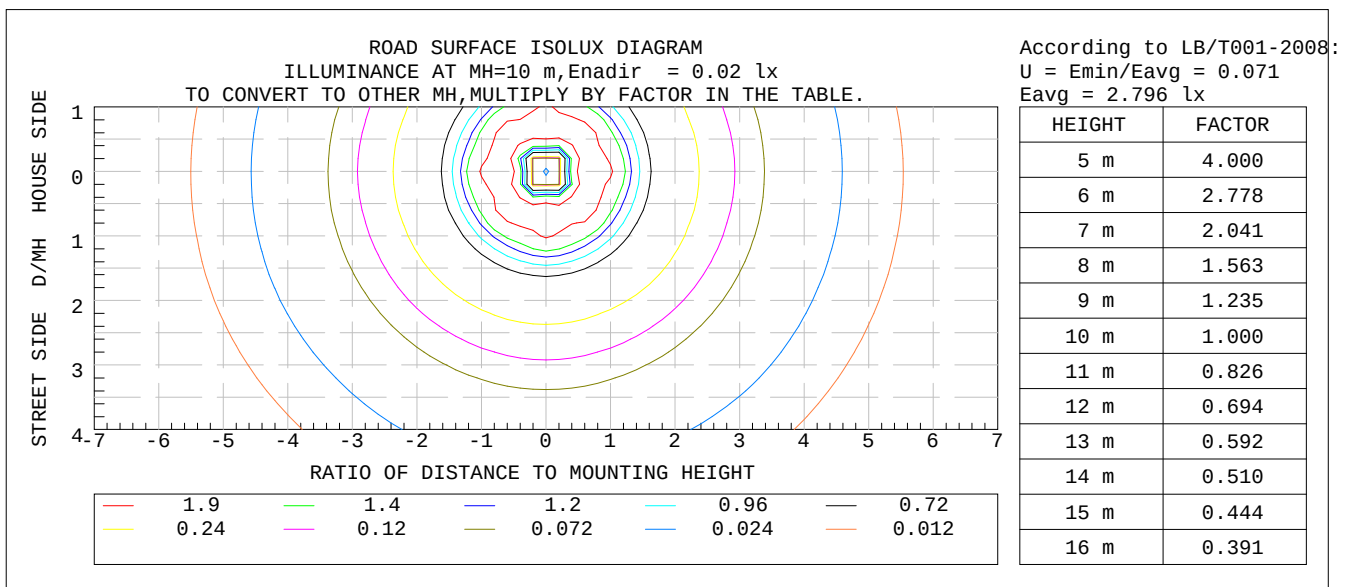
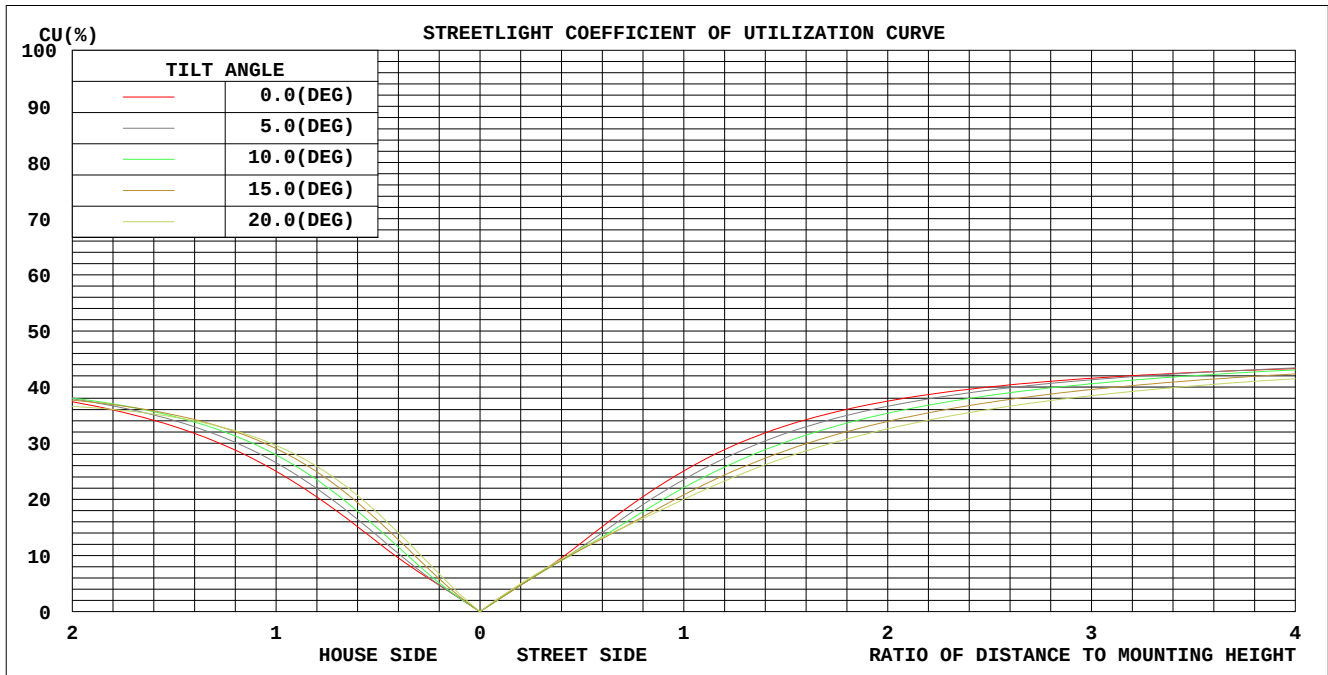
IES:Type V - Very Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Semi-cut-off
 Max.At80:94.07cd/klm
 Max.At90:38.28cd/klm
 Max.80-90:94.07cd/klm
 NRB 5101:Semi limited[12.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	570
90%	513
80%	456
70%	399
60%	342
50%	285
40%	228
30%	171
20%	114
10%	57
5%	28

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JINZHI
 Test Date:2022-05-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_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: 2022-05-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.429
Humidity: 65.0%
Test Distance: 8.450m [K=1.0000]
Remarks:

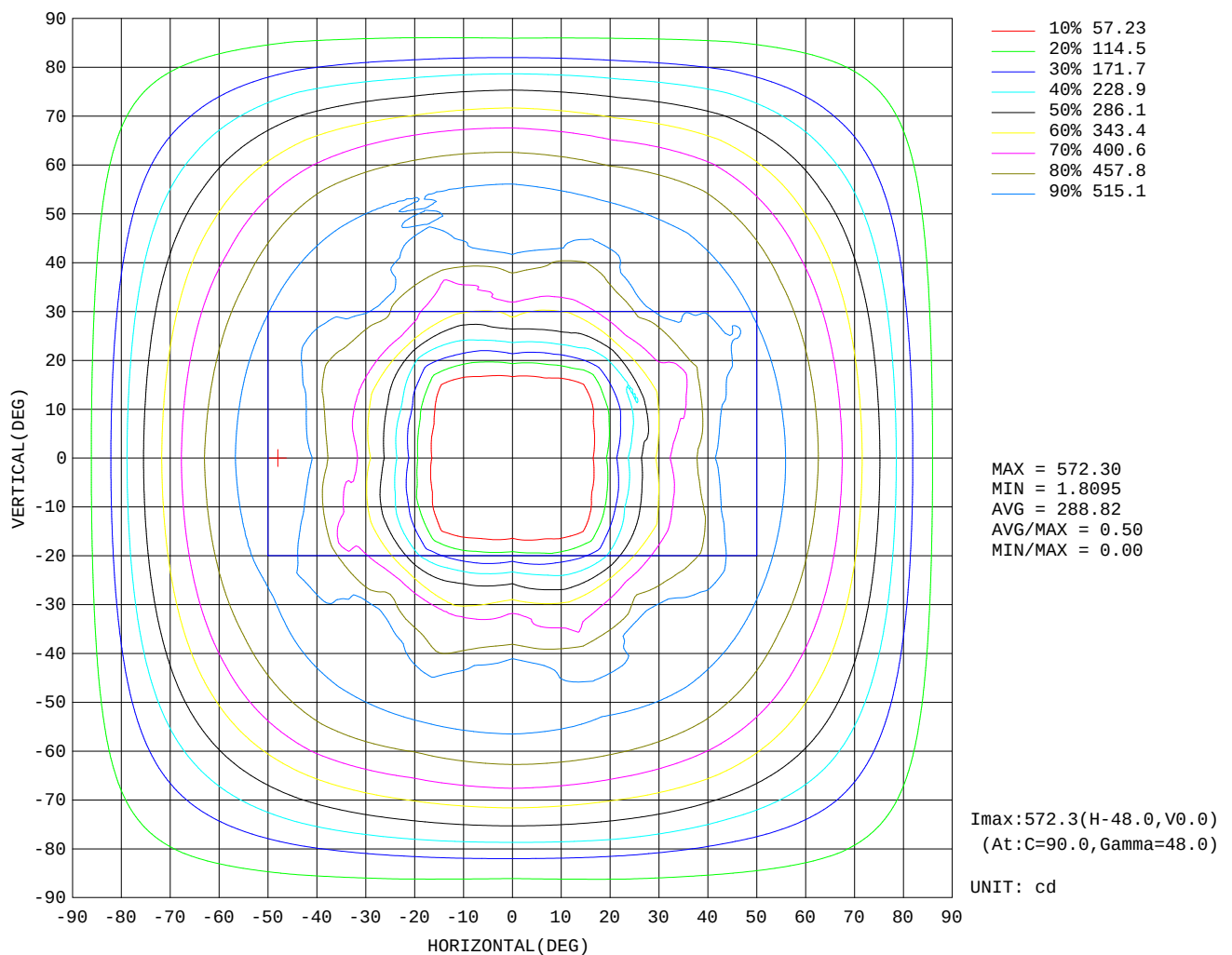
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	4.303	4.000	3.662	4.028	4.206	4.157	3.971	3.404	0- 10	0.2743	0.2743	0.01,0.01
20	131.5	40.15	139.3	44.50	134.0	40.43	133.3	38.67	10- 20	9.576	9.850	0.43,0.43
30	353.6	300.9	362.7	309.4	355.2	303.9	353.6	288.4	20- 30	100.8	110.7	4.88,4.88
40	487.3	492.8	491.7	505.1	488.9	492.7	489.7	494.8	30- 40	253.1	363.8	16,16
50	554.6	536.8	563.0	529.4	556.4	531.9	561.8	538.0	40- 50	399.6	763.4	33.6,33.6
60	479.5	486.1	482.9	485.5	482.3	490.2	483.5	486.3	50- 60	462.7	1226	54,54
70	363.1	365.4	366.5	366.3	366.5	366.4	365.0	369.4	60- 70	424.9	1651	72.7,72.7
80	203.2	203.7	205.7	210.1	207.7	213.5	204.7	211.8	70- 80	305.3	1956	86.2,86.2
90	76.85	86.89	77.94	86.31	77.62	85.87	78.26	85.66	80- 90	147.4	2104	92.7,92.7
100	38.42	50.35	38.50	50.78	39.04	51.13	40.05	50.91	90-100	69.07	2173	95.7,95.7
110	22.62	31.05	23.12	31.48	23.53	31.72	23.92	31.36	100-110	39.31	2212	97.5,97.5
120	15.66	21.60	16.02	21.81	16.17	21.94	16.39	21.68	110-120	23.87	2236	98.5,98.5
130	11.65	16.07	11.81	16.02	11.84	16.21	11.93	16.05	120-130	15.14	2251	99.2,99.2
140	8.389	11.43	8.669	11.24	8.680	11.40	8.740	11.23	130-140	9.355	2260	99.6,99.6
150	6.774	7.249	6.731	6.991	6.663	7.028	6.626	7.219	140-150	5.344	2266	99.8,99.8
160	4.643	5.200	4.439	4.840	4.453	4.869	4.333	5.045	150-160	2.696	2268	99.9,99.9
170	2.484	2.606	2.425	2.519	2.439	2.514	2.404	2.613	160-170	1.091	2270	100,100
180	0.5244	0.5487	0.5334	0.5865	0.5301	0.5317	0.5334	0.5752	170-180	0.1718	2270	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:2022-05-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.450m [K=1.0000]
Remarks:

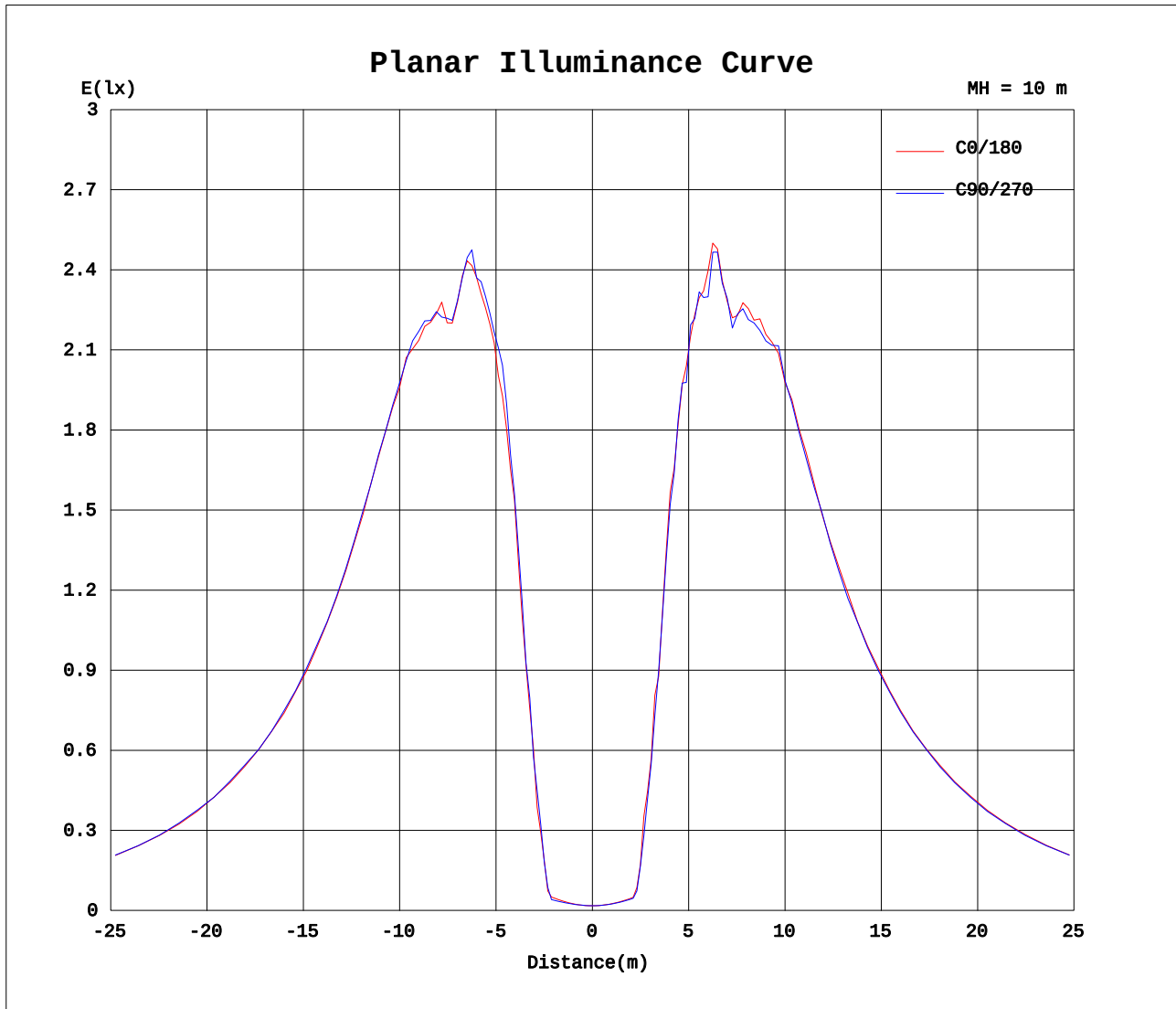
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.429
Humidity: 65.0%
Test Distance: 8.450m [K=1.0000]
Remarks:

Planar Illuminance Curve



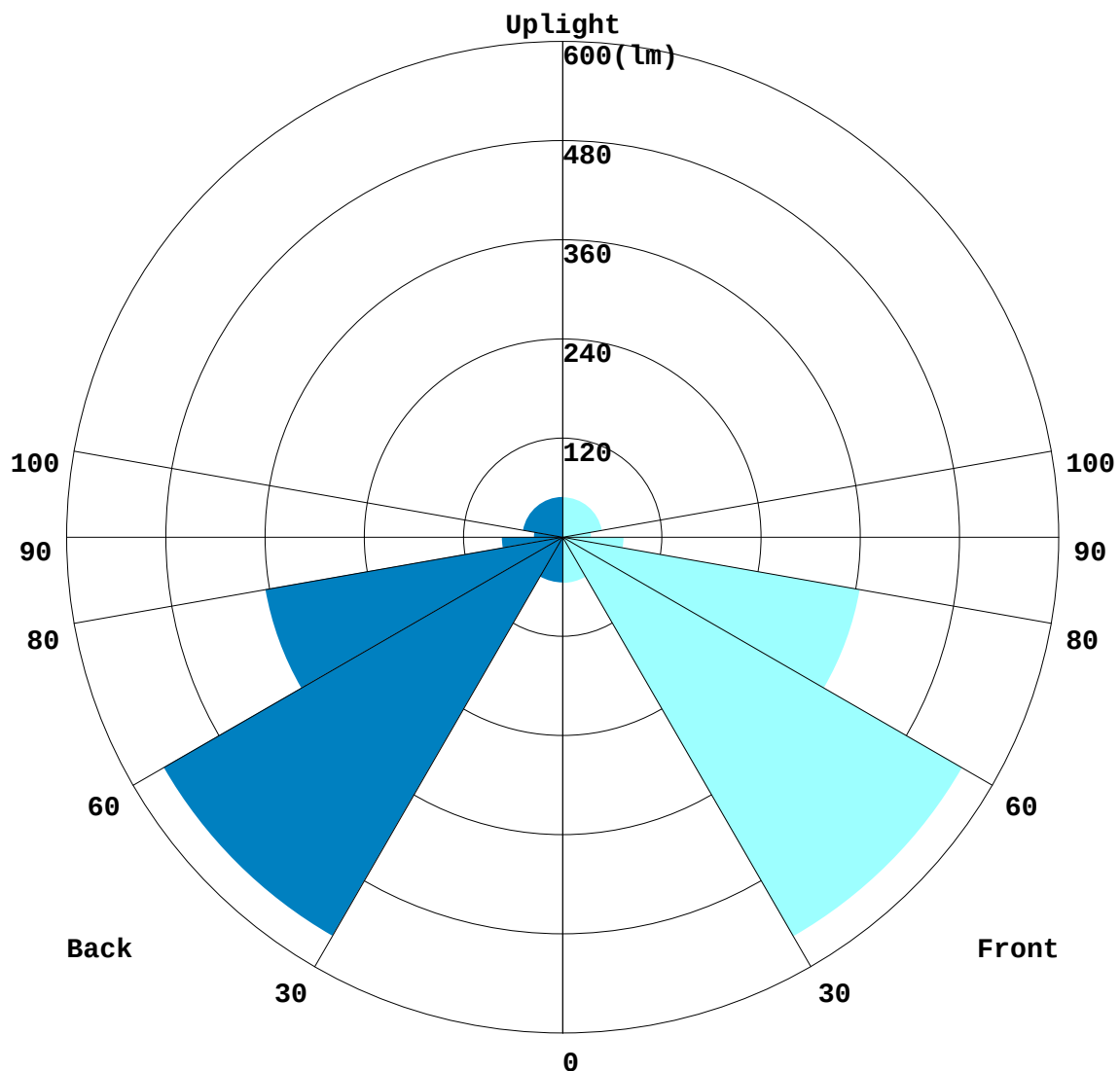
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.429
Humidity: 65.0%
Test Distance: 8.450m [K=1.0000]
Remarks:

LCS REPORT

Test:U:119.87V I:0.1783A P:21.248W PF:0.9941 Freq:59.98Hz Lamp Flux:2269.72x1 lm		
NAME: PLTS-12361 22W 3000K	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:2022-05-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.450m [K=1.0000]
Remarks:

BUG REPORT

Test:U:119.87V I:0.1783A P:21.248W PF:0.9941 Freq:59.98Hz Lamp Flux:2269.72x1 lm		
NAME: PLTS-12361 22W 3000K	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)	55.643	2.5
FM - Front-Medium(30-60)	558.26	24.6
FH - Front-High(60-80)	365.11	16.1
FVH - Front-Very High(80-90)	73.871	3.3
Total Forward Light	1135.6	50.0

BL - Back-Low(0-30)	55.027	2.4
BM - Back-Medium(30-60)	557.19	24.5
BH - Back-High(60-80)	365.04	16.1
BVH - Back-Very High(80-90)	73.526	3.2
Total Back Light	1134.1	50.0

UL - Uplight-Low(90-100)	69.072	3.0
UH - Uplight-High(100-180)	96.972	4.3
Total Up Light	166.04	7.3

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1050.8	83.343	1134.1
Street Side	1052.9	82.701	1135.6

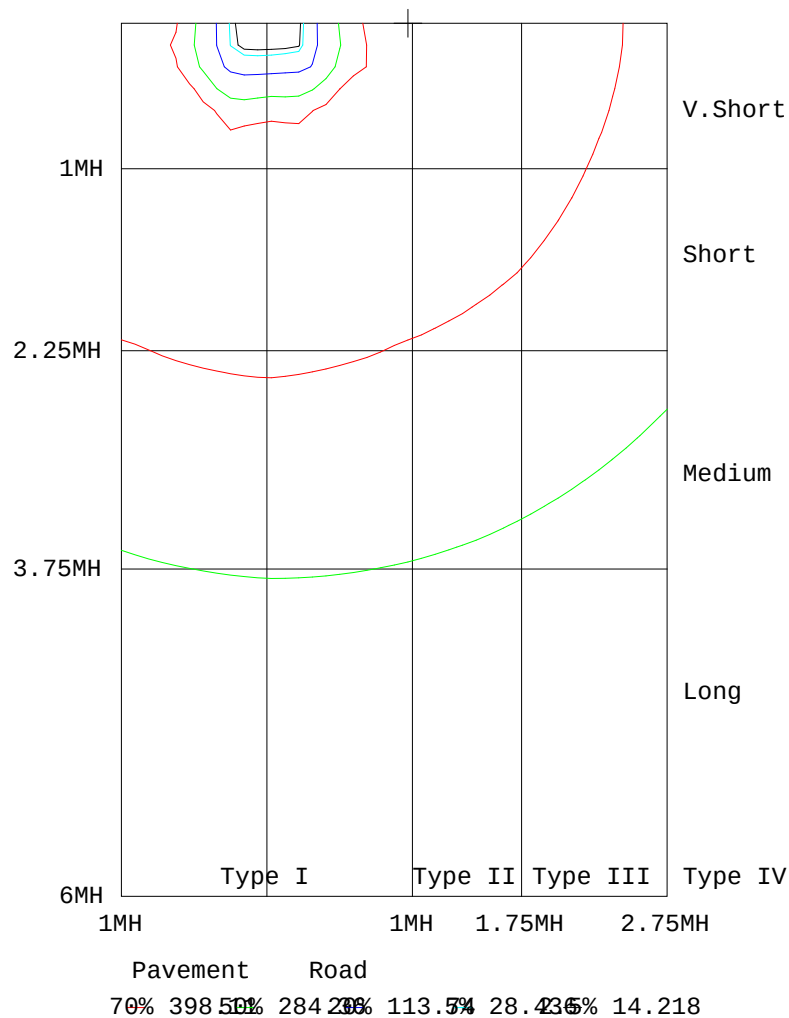
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.450m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:119.87V I:0.1783A P:21.248W PF:0.9941 Freq:59.98Hz Lamp Flux:2269.72x1 lm		
NAME: PLTS-12361 22W 3000K	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: 2022-05-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_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	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82			
5	2.39	2.36	2.40	2.28	2.31	2.32	2.43	2.39	2.41	2.41	2.41	2.43	2.36	2.33	2.24	2.07			
10	4.30	4.23	4.00	3.74	3.66	3.76	4.03	4.16	4.21	4.24	4.16	4.15	3.97	3.81	3.40	3.04			
15	32.2	17.1	6.73	16.3	35.7	19.1	6.73	18.5	39.0	23.1	6.95	15.1	31.2	21.4	5.94	8.80			
20	132	99.4	40.2	102	139	104	44.5	99.9	134	106	40.4	97.1	133	104	38.7	85.5			
25	257	230	156	218	274	226	162	216	263	236	156	219	265	229	158	196			
30	354	306	301	319	363	312	309	311	355	321	304	316	354	317	288	309			
35	412	403	422	388	415	411	424	382	413	407	412	393	417	405	417	389			
40	487	427	493	445	492	435	505	440	489	437	493	439	490	426	495	436			
45	551	491	544	490	559	499	539	490	556	496	533	487	562	495	538	484			
50	555	522	537	526	563	533	529	517	556	521	532	524	562	524	538	516			
55	520	519	520	522	528	525	519	515	522	526	517	521	522	514	515	518			
60	479	479	486	492	483	479	485	482	482	481	490	493	484	473	486	481			
65	427	425	430	439	435	425	433	433	432	423	434	437	433	424	437	430			
70	363	360	365	369	367	364	366	366	367	362	366	369	365	357	369	360			
75	287	290	288	294	291	290	292	293	291	288	296	291	291	286	295	285			
80	203	206	204	212	206	208	210	210	208	205	214	208	205	205	212	204			
85	126	130	129	133	128	130	133	132	128	130	132	131	127	128	132	131			
90	76.9	83.5	86.9	85.5	77.9	84.0	86.3	84.4	77.6	81.5	85.9	84.1	78.3	82.3	85.7	84.3			
95	55.0	64.3	65.2	65.9	54.9	64.0	65.3	65.0	55.1	64.2	65.8	66.4	57.1	64.3	66.2	66.0			
100	38.4	48.9	50.3	51.1	38.5	48.9	50.8	50.9	39.0	49.2	51.1	51.8	40.1	48.6	50.9	51.2			
105	28.6	37.6	38.9	39.4	29.0	37.8	39.4	39.6	29.5	38.1	39.7	40.3	30.1	37.4	39.3	39.6			
110	22.6	29.9	31.1	31.2	23.1	30.2	31.5	31.4	23.5	30.2	31.7	32.0	23.9	29.8	31.4	31.4			
115	18.6	24.3	25.6	25.5	19.0	24.7	25.9	25.6	19.3	24.5	26.1	26.0	19.6	24.2	25.8	25.5			
120	15.7	20.0	21.6	21.3	16.0	20.3	21.8	21.3	16.2	20.1	21.9	21.7	16.4	20.0	21.7	21.2			
125	13.5	16.6	18.6	17.8	13.8	16.8	18.7	17.7	13.8	16.7	18.8	18.0	14.0	16.6	18.6	17.5			
130	11.6	13.9	16.1	14.9	11.8	14.1	16.0	14.7	11.8	14.0	16.2	15.0	11.9	13.9	16.0	14.6			
135	9.86	11.8	13.8	12.6	10.1	11.9	13.6	12.3	10.1	11.8	13.7	12.6	10.2	11.9	13.6	12.1			
140	8.39	9.78	11.4	10.4	8.67	9.94	11.2	10.1	8.68	9.73	11.4	10.3	8.74	9.92	11.2	9.97			
145	7.53	8.50	9.12	8.77	7.59	8.50	9.11	8.41	7.51	8.33	9.20	8.62	7.47	8.47	8.97	8.47			
150	6.77	7.28	7.25	7.23	6.73	7.14	6.99	7.06	6.66	7.08	7.03	7.18	6.63	7.18	7.22	6.93			
155	5.49	5.89	6.02	5.71	5.53	5.73	5.66	5.54	5.49	5.66	5.72	5.72	5.50	5.84	5.82	5.77			
160	4.64	5.02	5.20	4.76	4.44	4.61	4.84	4.64	4.45	4.67	4.87	4.64	4.33	4.61	5.05	5.00			
165	3.70	4.15	4.19	3.77	3.34	3.70	4.00	3.68	3.41	3.73	3.99	3.69	3.31	3.61	4.00	4.17			
170	2.48	2.80	2.61	2.67	2.43	2.69	2.52	2.57	2.44	2.62	2.51	2.70	2.40	2.70	2.61	2.79			
175	1.36	1.54	1.43	1.47	1.29	1.38	1.38	1.43	1.28	1.38	1.40	1.49	1.32	1.49	1.54	1.64			
180	0.52	0.53	0.55	0.55	0.53	0.56	0.59	0.59	0.53	0.53	0.53	0.55	0.53	0.58	0.58	0.59			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:8.450m [K=1.0000]
Remarks: