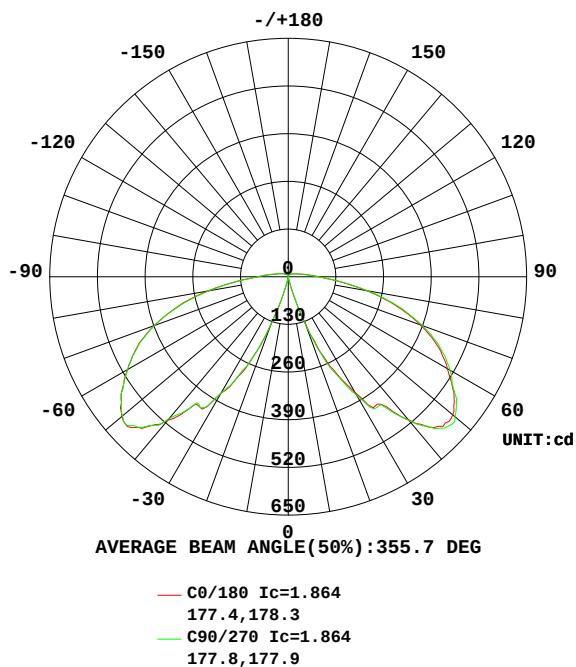
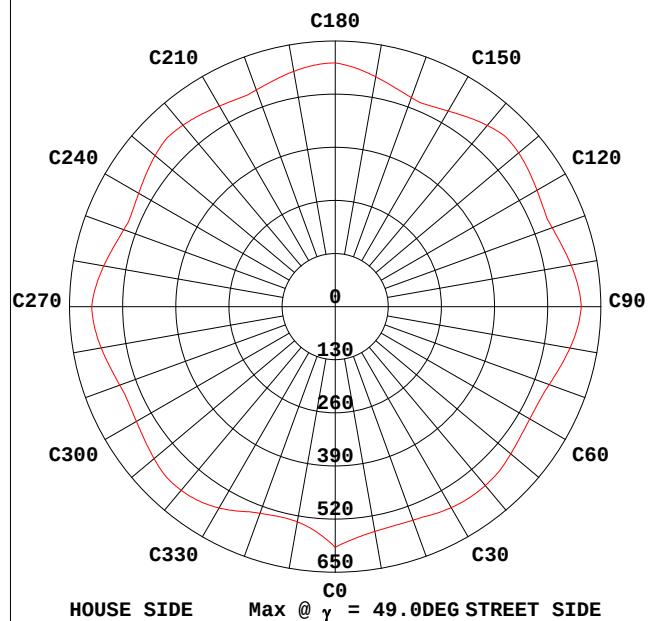


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.86V I:0.1780A P:21.209W PF:0.9941 Freq:59.98Hz Lamp Flux:2408.24x1 lm					
NAME: PLTS-12361 22W 5000K			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.: 0.595*0.595		Shielding Angle:

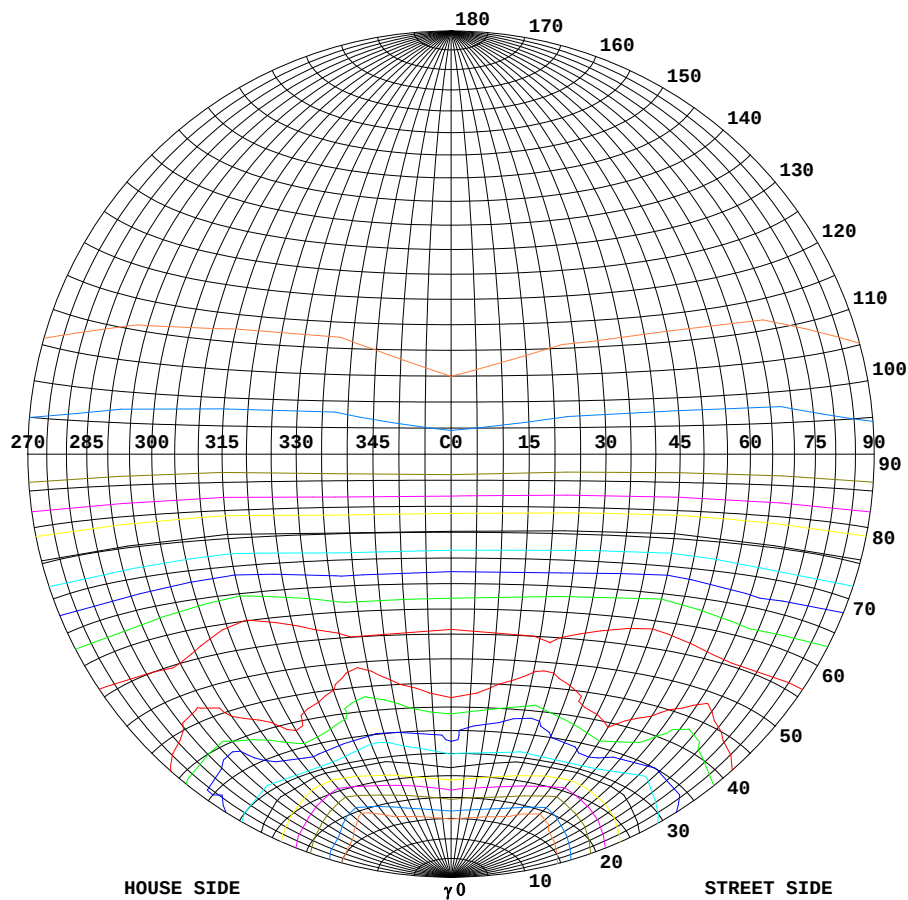
DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.55 lm/W			
MODEL		I _{max} (cd)	602.0	η street_up(%)	3.6
NOMINAL POWER(W)	25	LOR(%)	100.0	η street_down(%)	46.4
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2408	η house_up(%)	3.6
NOMINAL FLUX(lm)	2408.24	MAXIMUM @(C,γ)	90,49.0	η house_down(%)	46.4
LAMPS INSIDE	1	η up(%)	7.2	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	92.8	SLI	20.626

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



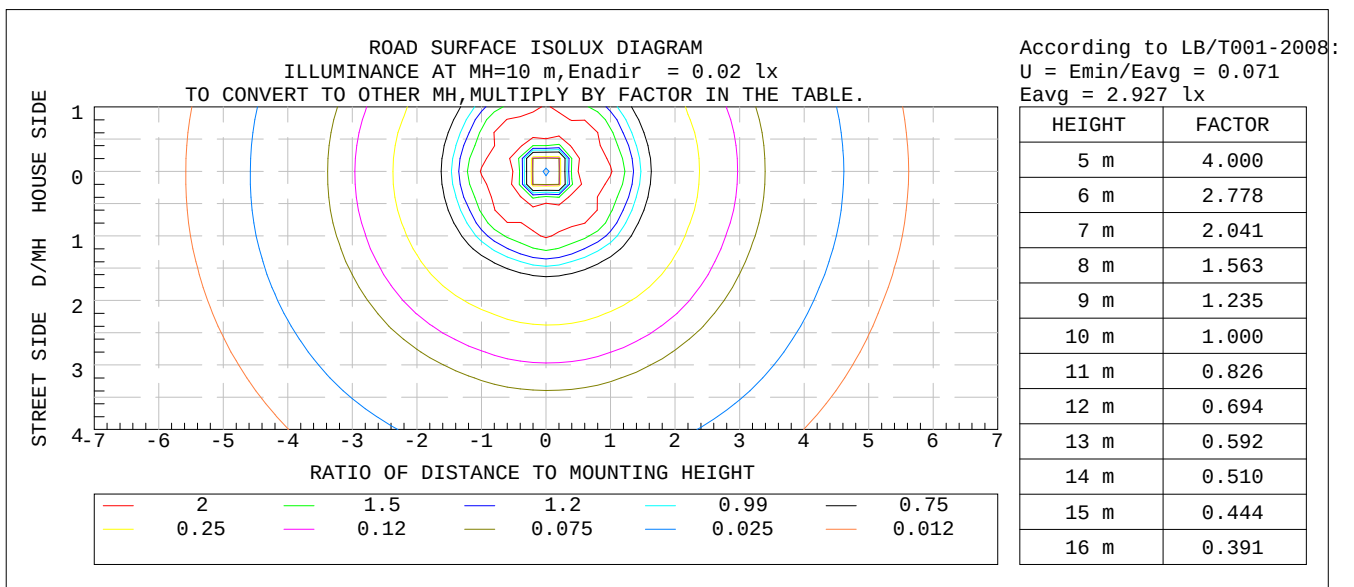
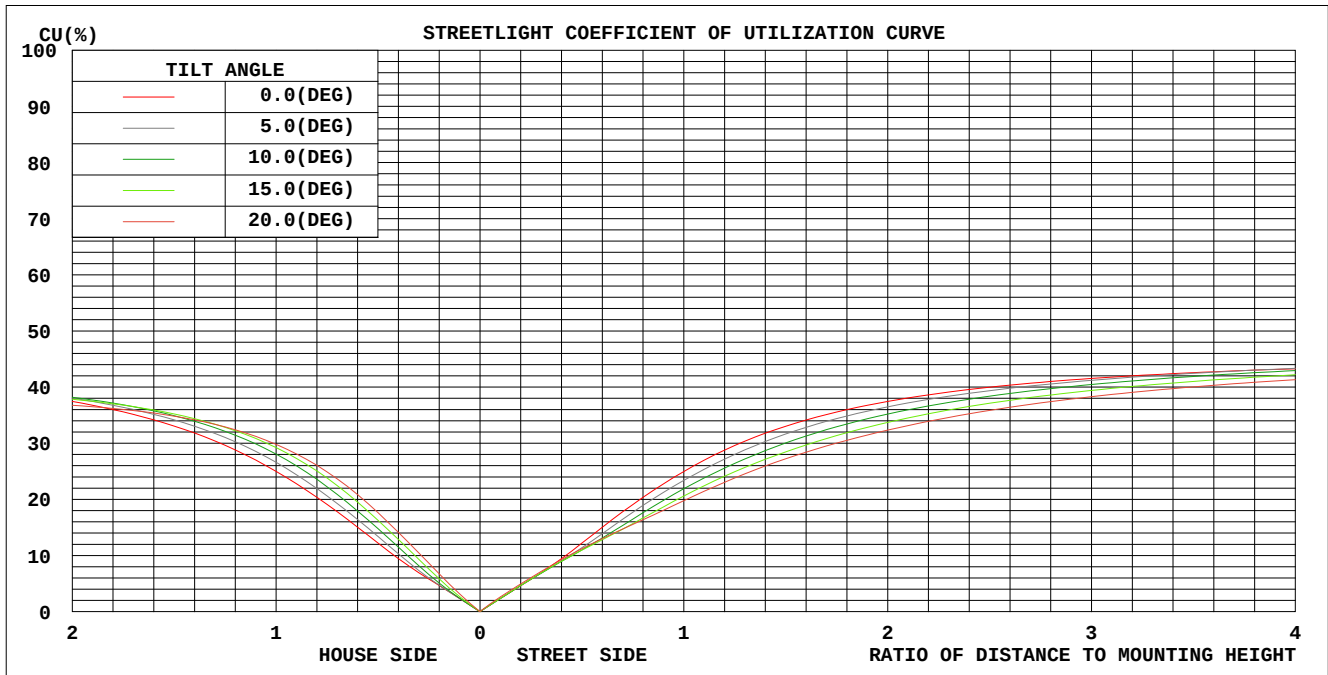
Classification:

IES:Type V - Very Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Semi-cut-off
 Max.At80:94.50cd/klm
 Max.At90:38.50cd/klm
 Max.80-90:94.50cd/klm
 NRB 5101:Semi limited[12.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	602
90%	542
80%	482
70%	421
60%	361
50%	301
40%	241
30%	181
20%	120
10%	60
5%	30

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:

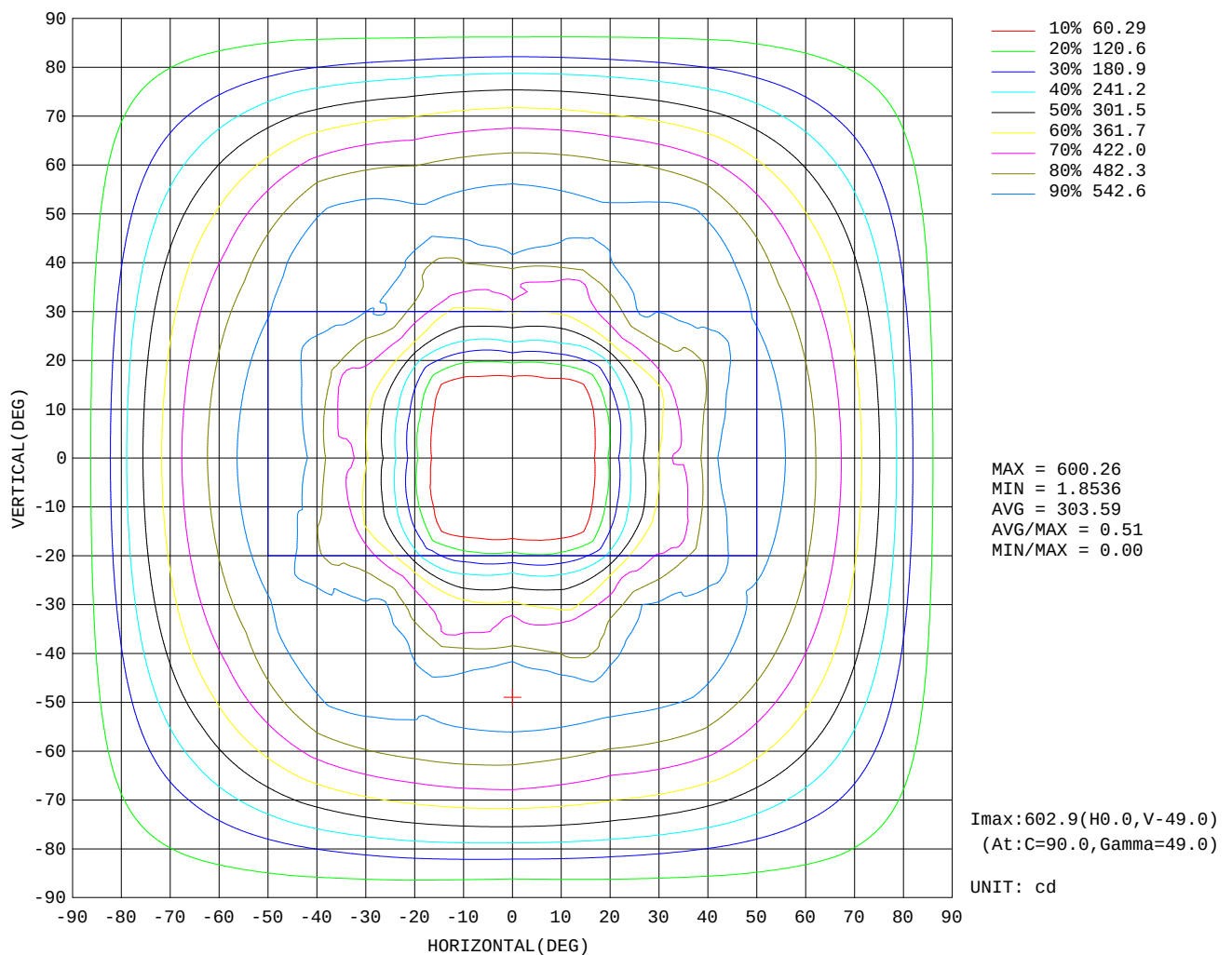
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	4.301	4.032	3.781	4.101	4.266	4.233	4.107	4.235	0- 10	0.2879	0.2879	0.01,0.01
20	131.6	42.34	140.7	44.14	138.7	41.75	137.2	40.33	10- 20	9.876	10.16	0.42,0.42
30	364.4	328.5	370.7	344.5	366.7	331.6	366.9	335.0	20- 30	105.3	115.4	4.79,4.79
40	507.5	543.8	511.6	556.9	510.6	546.5	504.4	552.6	30- 40	268.6	384.1	15.9,15.9
50	585.6	573.7	593.4	585.6	592.2	585.8	589.8	586.6	40- 50	422.9	806.9	33.5,33.5
60	501.1	519.6	509.6	538.3	504.8	541.7	506.7	538.9	50- 60	493.2	1300	54,54
70	383.4	395.8	389.0	398.4	388.6	399.7	388.0	394.9	60- 70	451.5	1752	72.7,72.7
80	215.3	223.2	218.9	224.4	221.1	224.1	218.4	221.6	70- 80	325.2	2077	86.2,86.2
90	82.72	90.57	81.92	92.72	82.29	92.12	83.70	91.77	80- 90	156.9	2234	92.8,92.8
100	40.28	52.43	40.24	53.27	40.85	53.44	41.92	53.56	90-100	72.92	2307	95.8,95.8
110	23.72	32.22	24.19	32.89	24.66	33.00	25.02	32.87	100-110	41.18	2348	97.5,97.5
120	16.42	22.39	16.73	22.76	16.97	22.81	17.18	22.71	110-120	24.98	2373	98.5,98.5
130	12.18	16.61	12.34	16.77	12.41	16.84	12.49	16.80	120-130	15.84	2389	99.2,99.2
140	8.724	11.81	9.098	11.81	9.100	11.85	9.158	11.72	130-140	9.786	2399	99.6,99.6
150	7.095	7.482	7.050	7.314	6.984	7.290	6.916	7.508	140-150	5.588	2404	99.8,99.8
160	4.897	5.403	4.642	5.126	4.649	5.034	4.508	5.235	150-160	2.823	2407	99.9,99.9
170	2.717	2.738	2.603	2.679	2.478	2.568	2.434	2.689	160-170	1.142	2408	100,100
180	0.5666	0.5727	0.5496	0.5688	0.5496	0.5559	0.5383	0.5519	170-180	0.1799	2408	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:

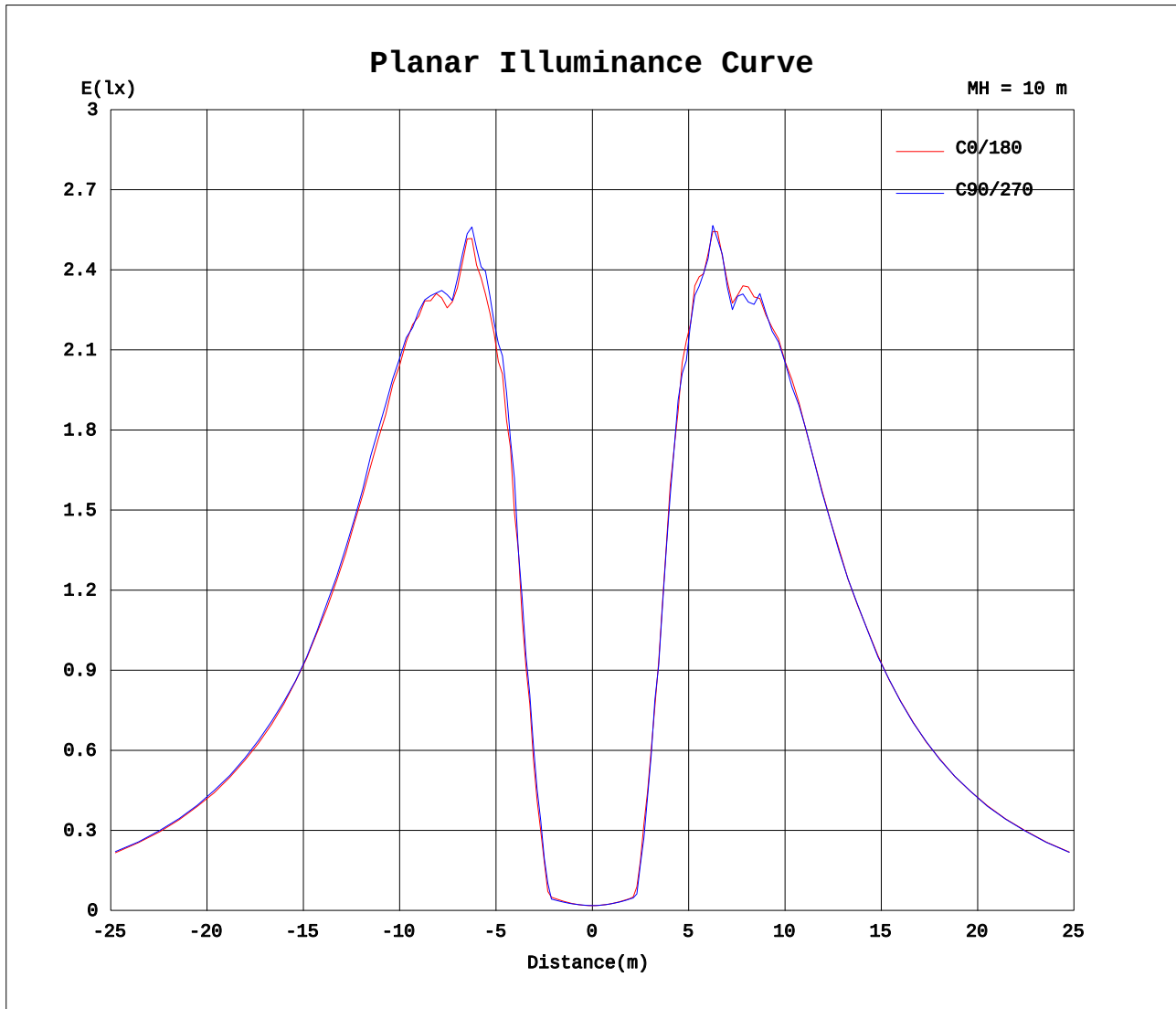
ISOCANDELA DIAGRAM



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



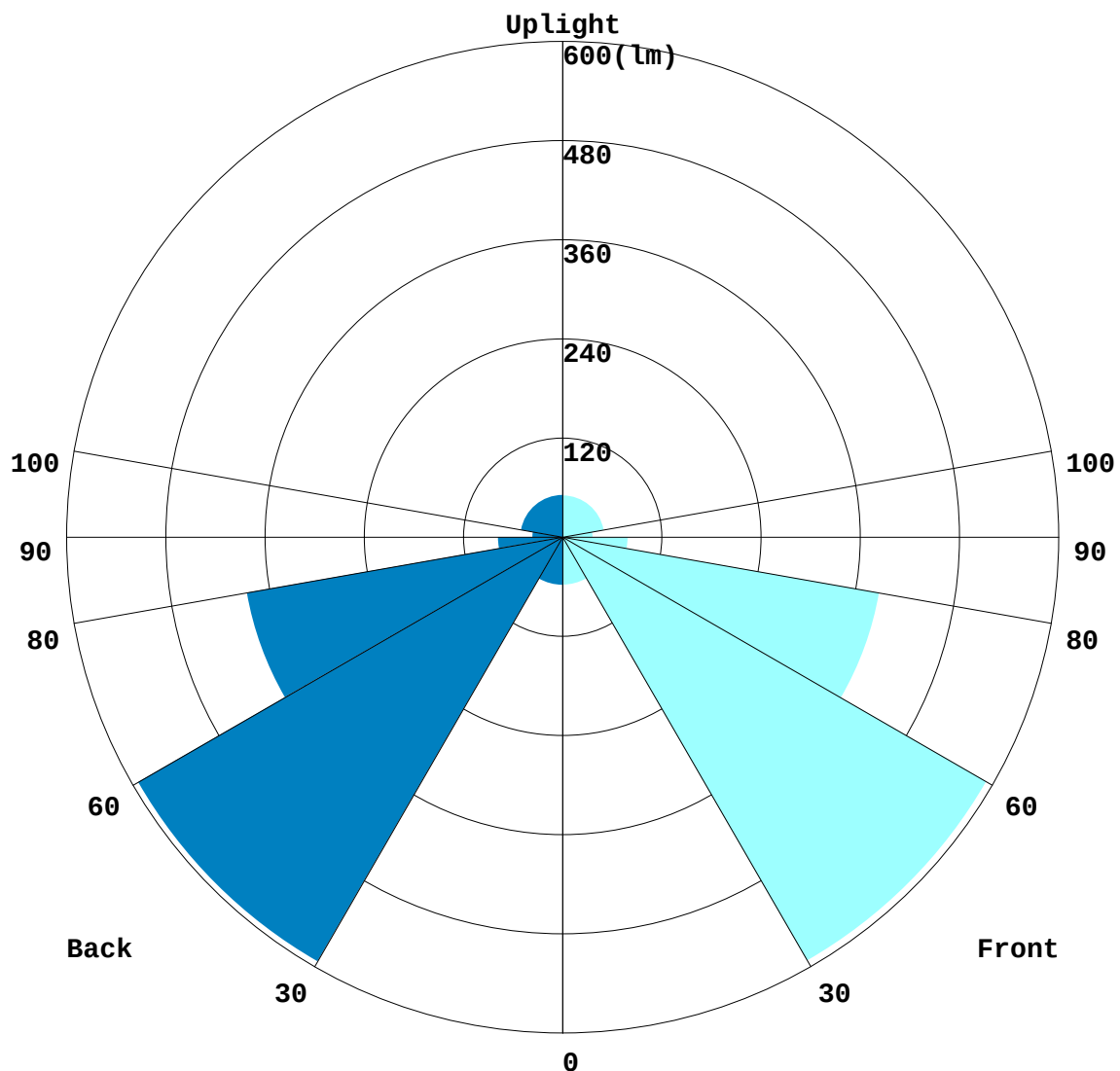
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-10

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:119.86V I:0.1780A P:21.209W PF:0.9941 Freq:59.98Hz Lamp Flux:2408.24x1 lm		
NAME: PLTS-12361 22W 5000K	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:119.86V I:0.1780A P:21.209W PF:0.9941 Freq:59.98Hz Lamp Flux:2408.24x1 lm		
NAME: PLTS-12361 22W 5000K	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)	57.607	2.4
FM - Front-Medium(30-60)	591.63	24.6
FH - Front-High(60-80)	388.88	16.1
FVH - Front-Very High(80-90)	78.704	3.3
Total Forward Light	1203.6	50.0

BL - Back-Low(0-30)	57.815	2.4
BM - Back-Medium(30-60)	593.05	24.6
BH - Back-High(60-80)	387.88	16.1
BVH - Back-Very High(80-90)	78.226	3.2
Total Back Light	1204.6	50.0

UL - Uplight-Low(90-100)	72.925	3.0
UH - Uplight-High(100-180)	101.52	4.2
Total Up Light	174.45	7.2

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1117	87.659	1204.6
Street Side	1116.8	86.789	1203.6

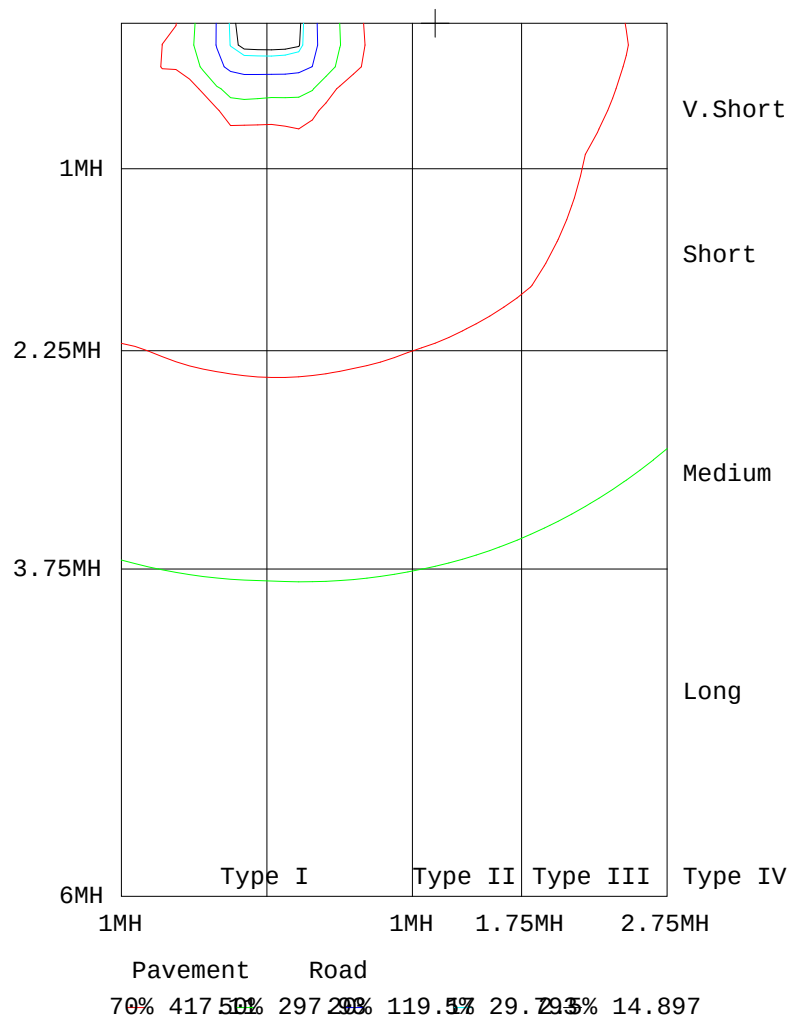
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-10

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:119.86V I:0.1780A P:21.209W PF:0.9941 Freq:59.98Hz Lamp Flux:2408.24x1 lm		
NAME: PLTS-12361 22W 5000K	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	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86			
5	2.44	2.45	2.42	2.35	2.39	2.39	2.49	2.43	2.48	2.49	2.50	2.55	2.45	2.45	2.44	2.45			
10	4.30	4.27	4.03	3.78	3.78	3.94	4.10	4.15	4.27	4.36	4.23	4.28	4.11	4.21	4.23	4.38			
15	32.9	18.0	6.77	16.7	37.2	20.3	6.93	18.6	35.8	21.7	7.11	16.6	30.1	22.2	7.30	15.4			
20	132	99.3	42.3	97.1	141	106	44.1	96.1	139	105	41.7	101	137	106	40.3	94.2			
25	270	226	161	225	279	234	176	225	275	234	165	224	270	237	163	221			
30	364	334	329	317	371	345	345	319	367	340	332	318	367	343	335	312			
35	424	397	465	423	430	408	471	436	428	404	466	421	424	406	464	421			
40	507	466	544	450	512	475	557	458	511	480	546	455	504	476	553	455			
45	577	513	580	514	584	526	591	503	581	525	584	510	580	525	595	516			
50	586	560	574	556	593	569	586	549	592	553	586	554	590	561	587	555			
55	551	542	559	550	555	547	574	546	556	549	573	539	556	543	575	543			
60	501	511	520	498	510	519	538	505	505	509	542	502	507	514	539	505			
65	451	459	461	442	456	466	476	450	455	454	476	444	453	460	472	445			
70	383	390	396	383	389	397	398	385	389	390	400	380	388	391	395	381			
75	304	311	313	307	310	317	315	305	310	311	314	304	307	308	313	304			
80	215	221	223	221	219	228	224	218	221	220	224	217	218	219	222	214			
85	135	141	139	140	137	144	139	139	138	142	139	137	136	140	140	136			
90	82.7	88.8	90.6	91.0	81.9	89.1	92.7	89.2	82.3	87.5	92.1	89.4	83.7	88.6	91.8	89.6			
95	58.0	67.8	68.4	68.8	57.5	68.2	68.8	68.5	57.8	67.9	68.9	69.6	59.9	68.8	69.9	69.8			
100	40.3	51.2	52.4	53.2	40.2	51.8	53.3	53.4	40.8	51.8	53.4	54.2	41.9	51.8	53.6	53.9			
105	29.9	39.3	40.4	40.9	30.3	39.9	41.2	41.5	30.9	40.0	41.4	42.0	31.4	39.8	41.3	41.6			
110	23.7	31.2	32.2	32.4	24.2	31.8	32.9	32.9	24.7	31.7	33.0	33.4	25.0	31.5	32.9	32.9			
115	19.5	25.4	26.5	26.5	19.9	26.0	27.0	26.8	20.3	25.7	27.1	27.2	20.5	25.7	27.0	26.8			
120	16.4	20.9	22.4	22.1	16.7	21.5	22.8	22.3	17.0	21.1	22.8	22.6	17.2	21.2	22.7	22.2			
125	14.1	17.3	19.2	18.5	14.4	17.8	19.5	18.5	14.5	17.5	19.5	18.8	14.6	17.6	19.5	18.4			
130	12.2	14.4	16.6	15.5	12.3	14.9	16.8	15.4	12.4	14.7	16.8	15.7	12.5	14.8	16.8	15.4			
135	10.3	12.2	14.2	13.0	10.6	12.6	14.3	13.0	10.6	12.4	14.3	13.1	10.7	12.6	14.2	12.7			
140	8.72	10.1	11.8	10.8	9.10	10.5	11.8	10.6	9.10	10.2	11.8	10.8	9.16	10.5	11.7	10.4			
145	7.82	8.83	9.43	9.10	7.93	9.00	9.52	8.85	7.84	8.75	9.56	8.98	7.81	8.96	9.37	8.86			
150	7.10	7.59	7.48	7.56	7.05	7.56	7.31	7.45	6.98	7.41	7.29	7.48	6.92	7.59	7.51	7.28			
155	5.75	6.14	6.24	5.97	5.83	6.06	5.97	5.89	5.71	5.92	5.93	5.97	5.75	6.16	6.04	6.07			
160	4.90	5.24	5.40	4.97	4.64	4.93	5.13	4.91	4.65	4.86	5.03	4.81	4.51	4.85	5.24	5.26			
165	3.92	4.34	4.35	3.97	3.55	3.97	4.24	3.89	3.51	3.84	4.10	3.81	3.44	3.75	4.13	4.39			
170	2.72	2.98	2.74	2.83	2.60	2.91	2.68	2.70	2.48	2.69	2.57	2.76	2.43	2.81	2.69	2.95			
175	1.51	1.68	1.56	1.58	1.39	1.46	1.44	1.48	1.29	1.44	1.45	1.52	1.32	1.51	1.52	1.74			
180	0.57	0.56	0.57	0.56	0.55	0.55	0.57	0.56	0.55	0.56	0.56	0.56	0.54	0.56	0.55	0.57			

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: