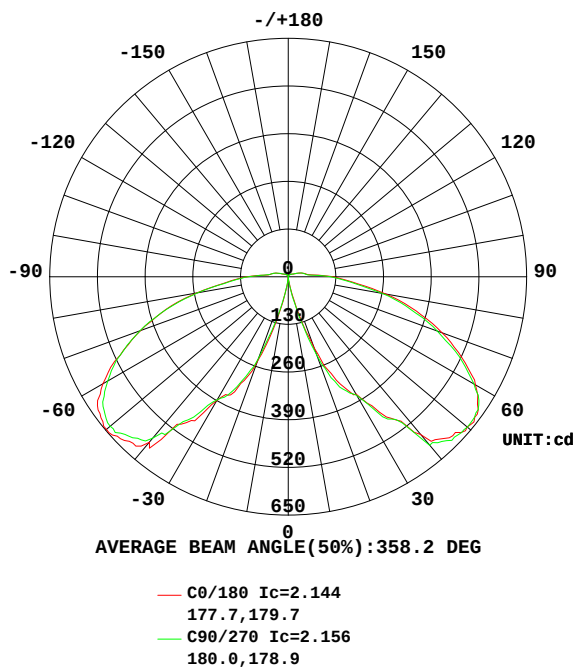
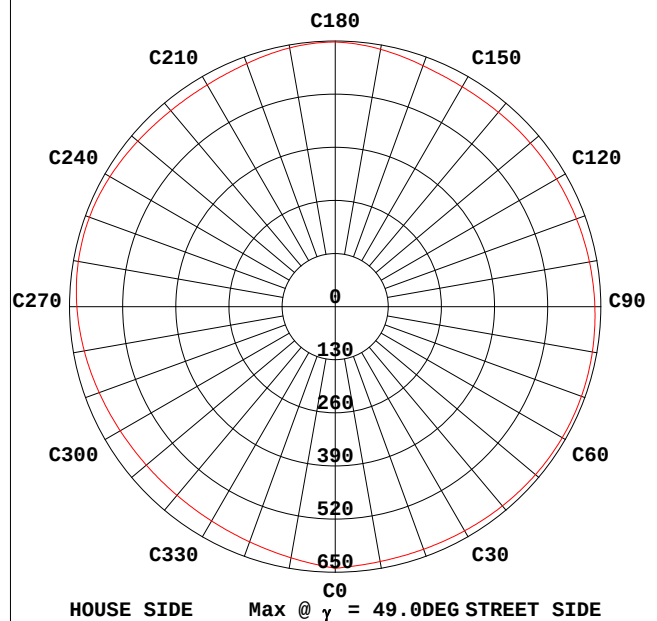


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.86V I:0.1766A P:21.021W PF:0.9933 Freq:59.98Hz Lamp Flux:2734.91x1 lm		
NAME: PLTS-12359 22W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*1	Shielding Angle:

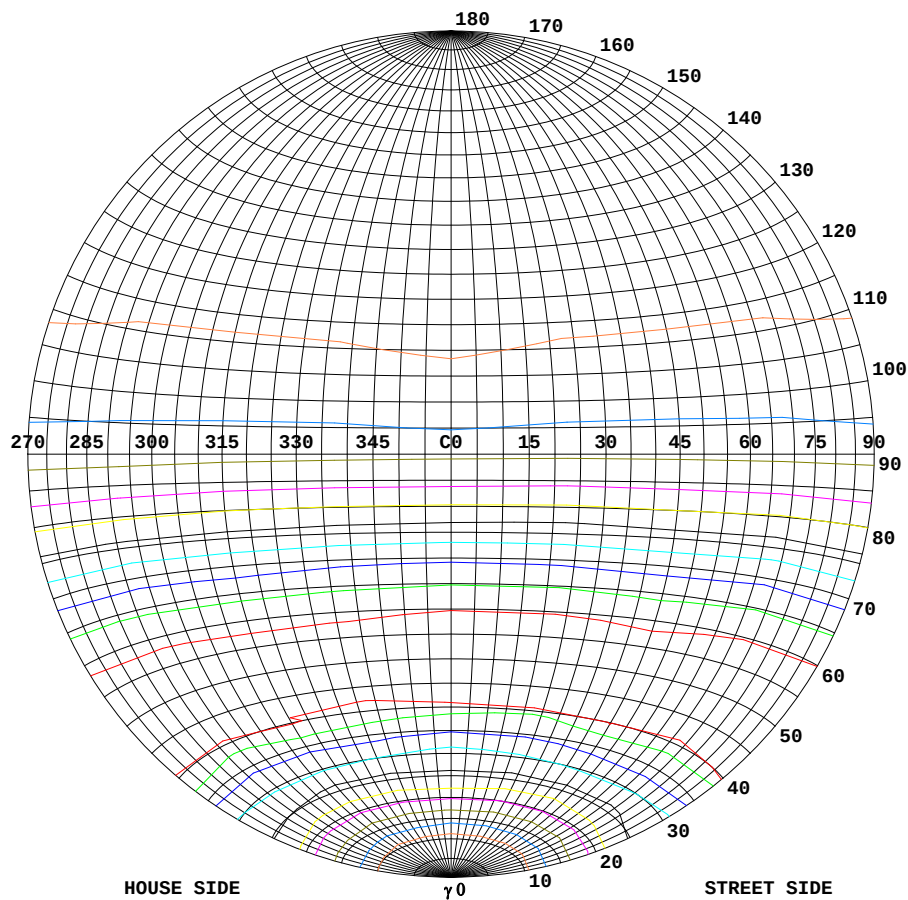
DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.10 lm/W			
MODEL		I _{max} (cd)	647.7	η street_up(%)	3.3
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	46.9
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2735	η house_up(%)	3.2
NOMINAL FLUX(lm)	2734.91	MAXIMUM @(C,γ)	180,49.0	η house_down(%)	46.5
LAMPS INSIDE	1	η up(%)	6.6	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	93.4	SLI	20.845

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:2022-05-09

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:

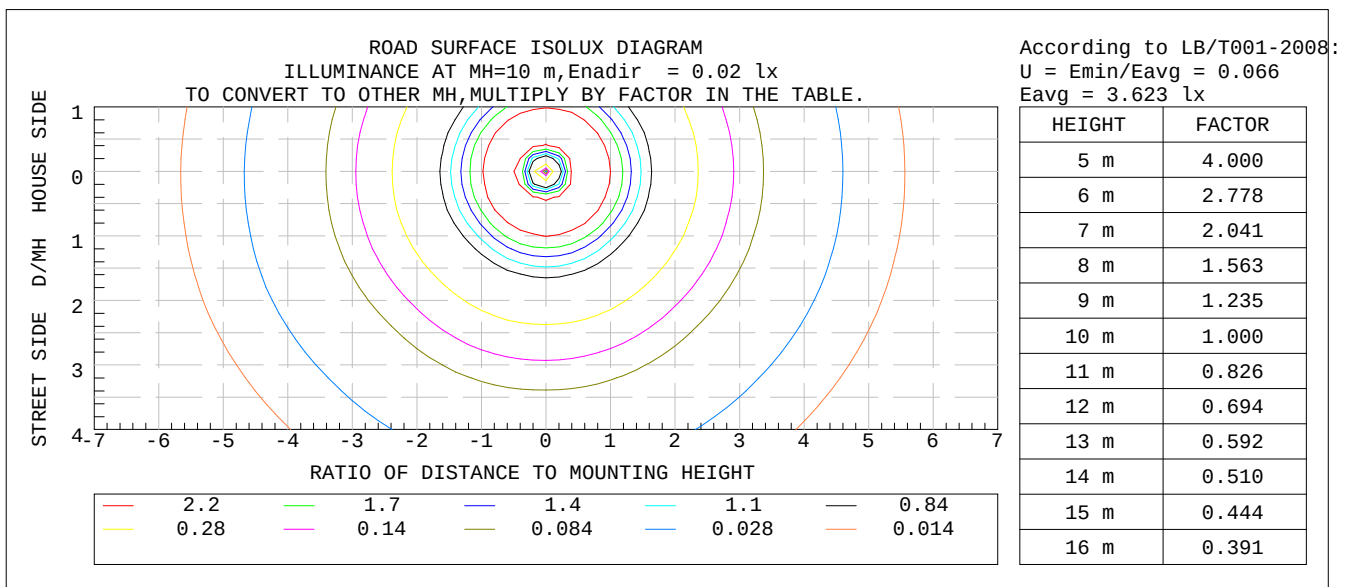
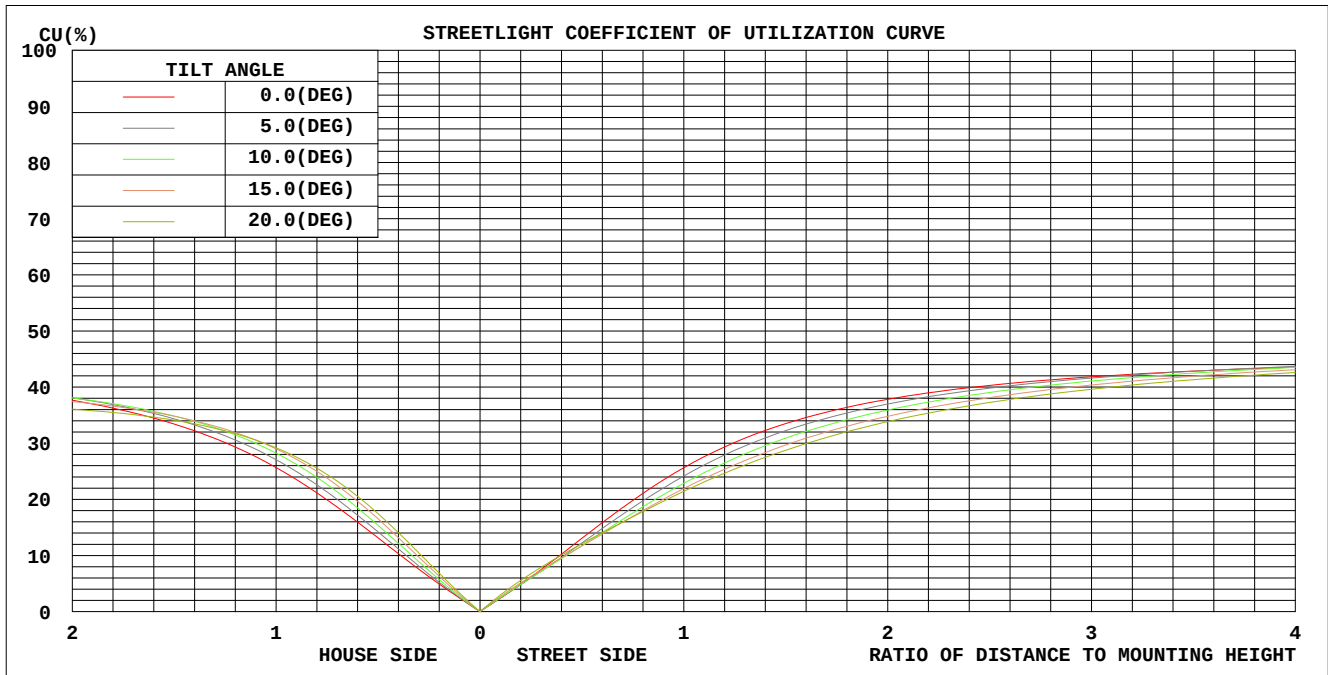
IES:Type V - Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Semi-cut-off
 Max.At80:99.72cd/klm
 Max.At90:45.76cd/klm
 Max.80-90:99.72cd/klm
 NRB 5101:Semi limited[12.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	648
90%	583
80%	518
70%	453
60%	389
50%	324
40%	259
30%	194
20%	130
10%	65
5%	32

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JINZHI
 Test Date:2022-05-09

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: 2022-05-09

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:

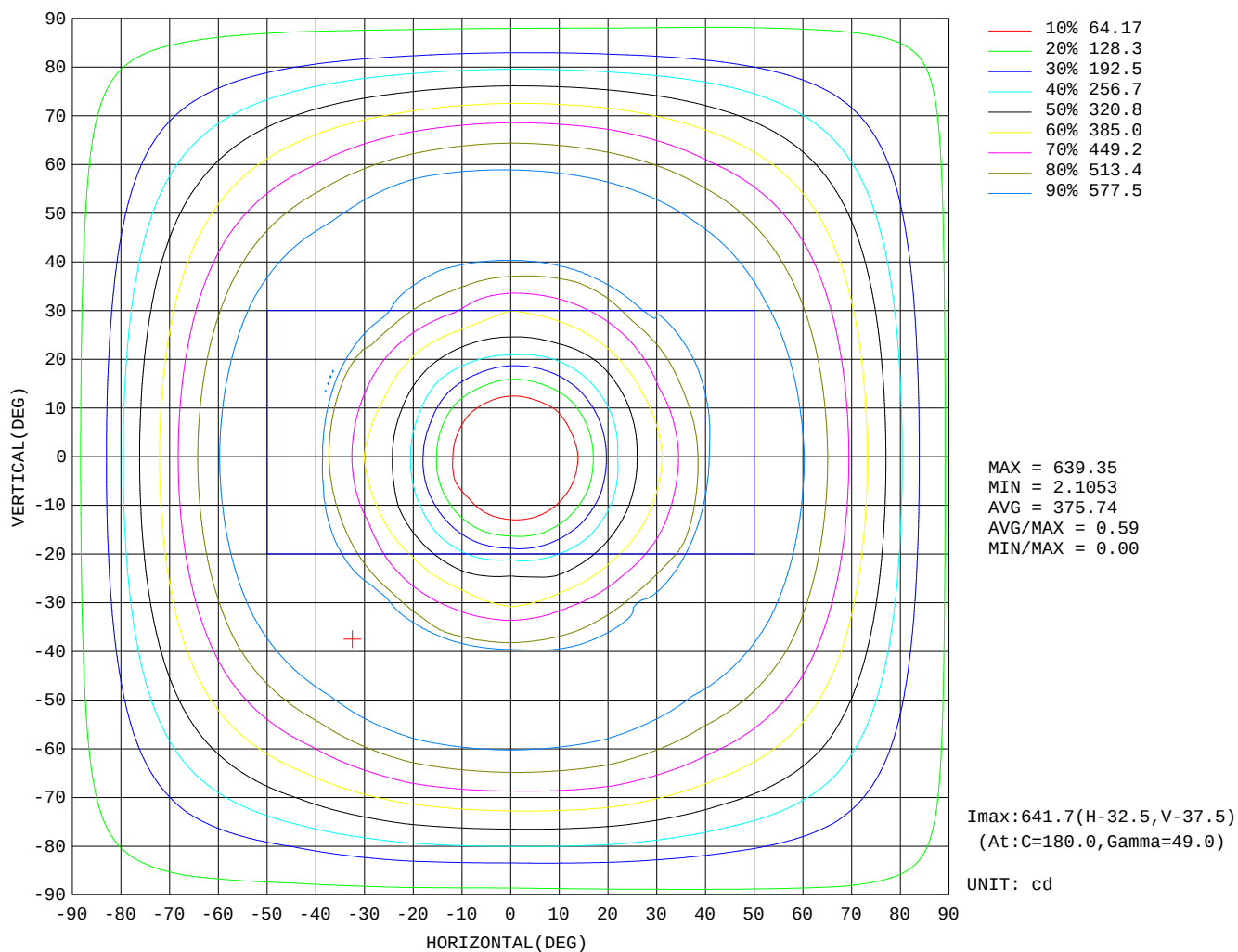
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	21.22	20.76	27.57	33.49	36.15	39.04	33.34	24.86	0- 10	1.127	1.127	0.04,0.04
20	208.0	200.9	227.2	223.7	242.9	245.4	235.1	202.4	10- 20	34.36	35.48	1.3,1.3
30	369.2	400.5	373.7	400.2	389.3	420.3	386.9	386.5	20- 30	147.7	183.2	6.7,6.7
40	561.2	592.5	599.9	583.3	588.9	605.1	574.3	576.0	30- 40	302.4	485.6	17.8,17.8
50	637.0	635.5	637.3	621.7	647.0	626.5	633.8	601.5	40- 50	474.8	960.4	35.1,35.1
60	588.9	571.0	584.4	546.9	583.8	562.0	567.7	549.3	50- 60	546.4	1507	55.1,55.1
70	446.1	432.1	432.5	404.0	427.7	418.1	430.1	414.1	60- 70	496.3	2003	73.2,73.2
80	268.9	263.1	259.2	242.9	252.3	247.7	250.0	251.5	70- 80	362.2	2365	86.5,86.5
90	123.0	123.8	116.2	109.2	112.0	111.6	109.7	115.1	80- 90	189.8	2555	93.4,93.4
100	47.88	53.09	46.28	48.93	46.61	51.27	46.73	50.08	90-100	78.28	2633	96.3,96.3
110	29.55	36.98	29.93	35.06	27.95	34.58	28.88	34.54	100-110	44.24	2678	97.9,97.9
120	15.45	21.11	15.67	19.22	14.85	20.50	15.61	20.08	110-120	25.02	2703	98.8,98.8
130	11.15	15.45	11.19	14.27	10.28	15.11	11.06	14.79	120-130	13.95	2717	99.3,99.3
140	8.002	11.87	7.856	10.89	7.051	11.33	7.782	11.44	130-140	8.869	2725	99.7,99.7
150	6.606	8.686	6.230	8.018	5.656	8.368	6.225	8.399	140-150	5.366	2731	99.8,99.8
160	4.461	5.362	4.278	4.759	4.441	5.096	4.373	5.290	150-160	2.765	2734	100,100
170	3.315	2.987	2.847	2.557	2.804	2.844	3.351	3.296	160-170	1.126	2735	100,100
180	1.014	0.9910	1.032	1.280	0.9795	0.9795	1.106	1.308	170-180	0.2215	2735	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:2022-05-09

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:

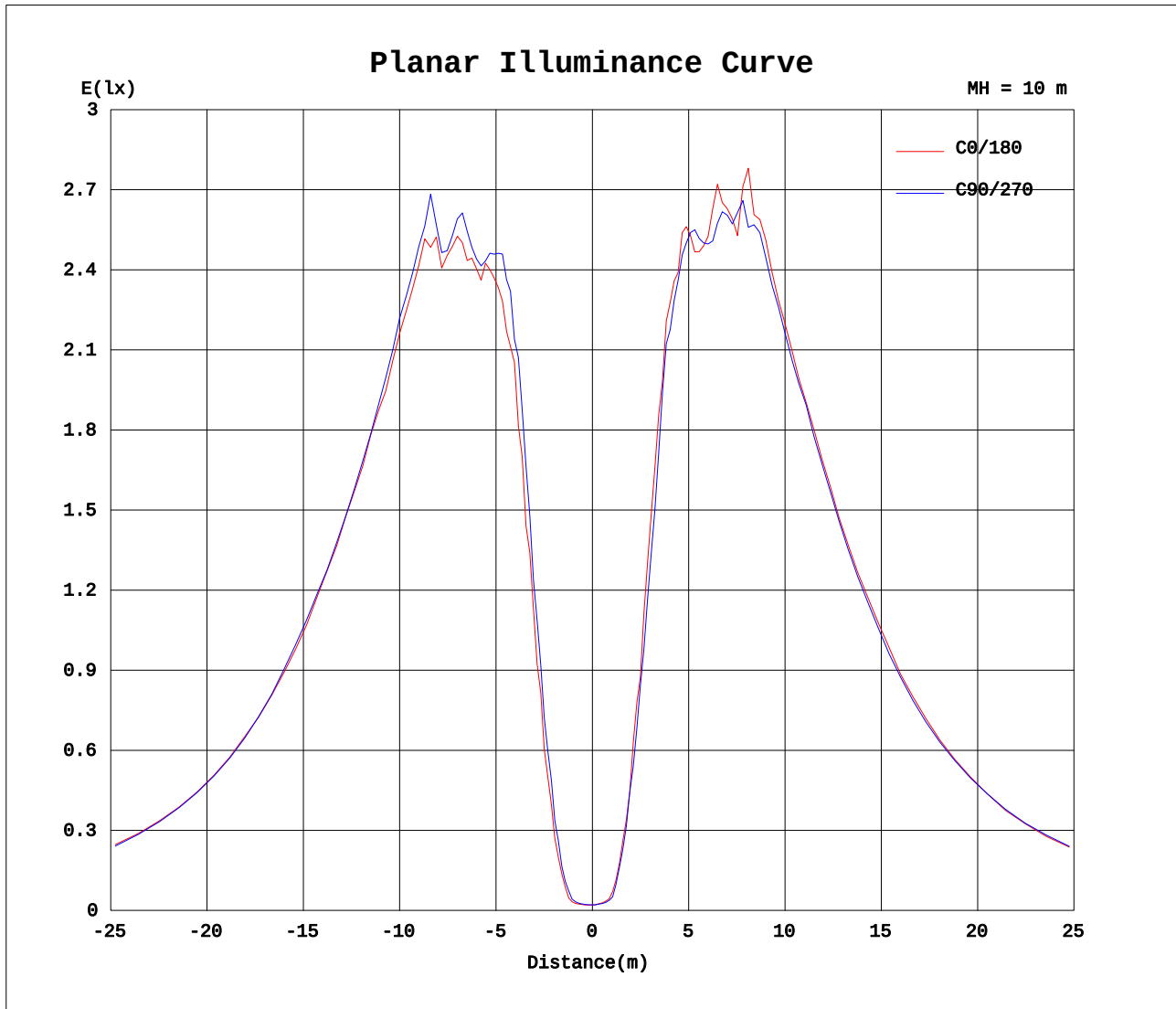
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-09

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



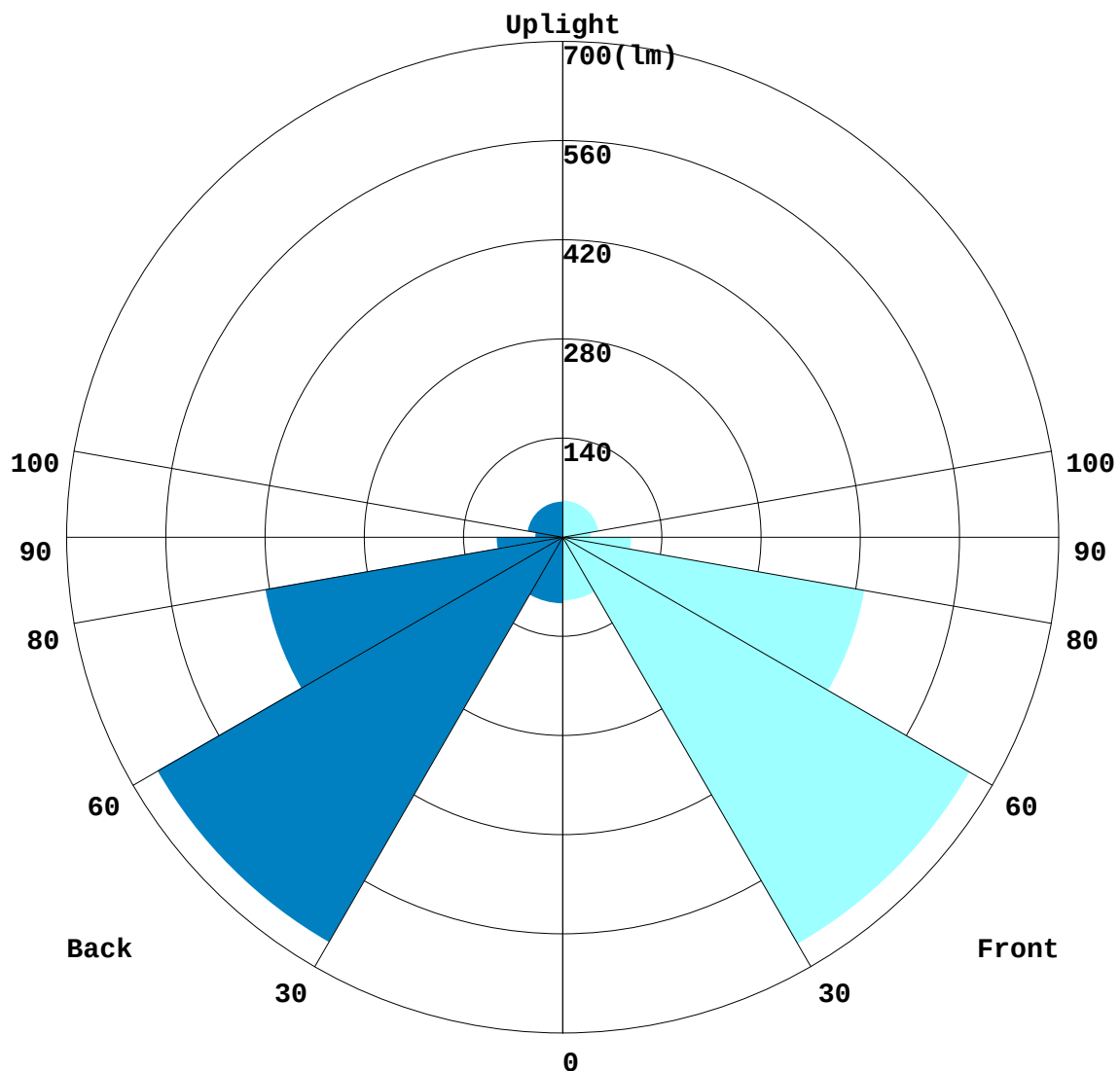
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-09

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:0.1766A P:21.021W PF:0.9933 Freq:59.98Hz Lamp Flux:2734.91x1 lm		
NAME: PLTS-12359 22W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*1	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:2022-05-09

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:0.1766A P:21.021W PF:0.9933 Freq:59.98Hz Lamp Flux:2734.91x1 lm		
NAME: PLTS-12359 22W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*1	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	89.495	3.3
FM - Front-Medium(30-60)	663.33	24.3
FH - Front-High(60-80)	432.66	15.8
FVH - Front-Very High(80-90)	96.785	3.5
Total Forward Light	1373.3	50.2

BL - Back-Low(0-30)	93.698	3.4
BM - Back-Medium(30-60)	660.26	24.1
BH - Back-High(60-80)	425.84	15.6
BVH - Back-Very High(80-90)	93.001	3.4
Total Back Light	1361.6	49.8

UL - Uplight-Low(90-100)	78.278	2.9
UH - Uplight-High(100-180)	101.56	3.7
Total Up Light	179.84	6.6

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1272.8	88.772	1361.6
Street Side	1282.3	91.063	1373.3

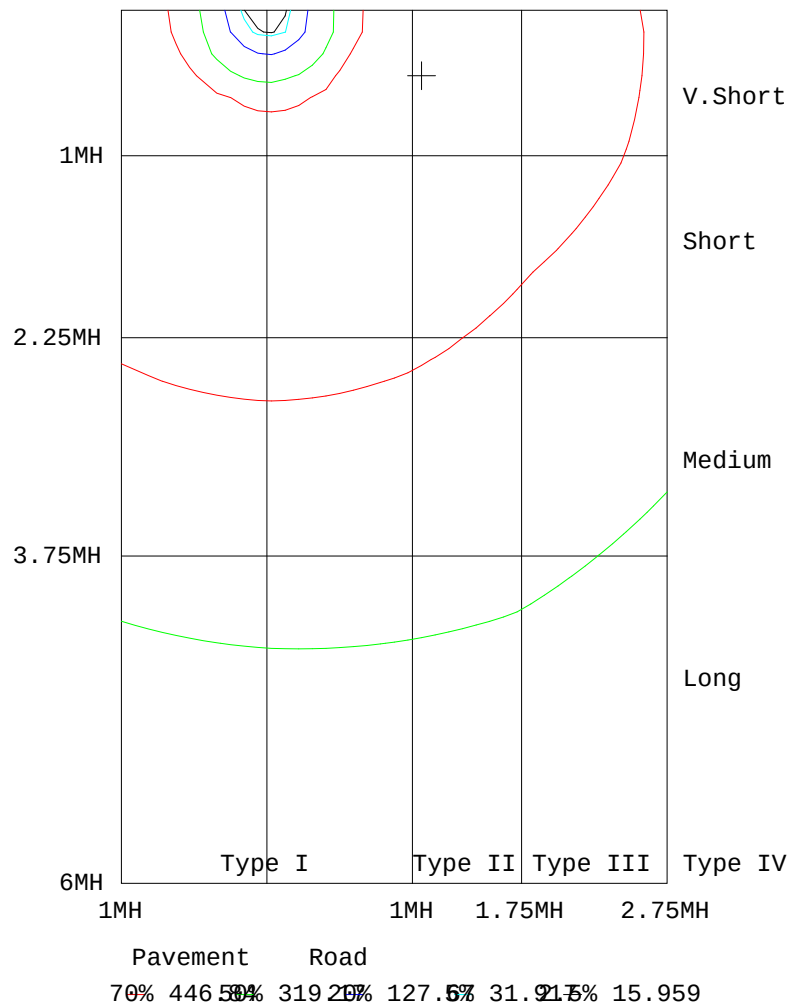
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-09

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:0.1766A P:21.021W PF:0.9933 Freq:59.98Hz Lamp Flux:2734.91x1 lm		
NAME: PLTS-12359 22W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*1	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JINZHI
 Test Date: 2022-05-09

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	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16			
5	2.81	2.80	2.95	3.06	3.37	3.70	4.22	4.47	4.60	5.01	4.52	4.32	3.94	3.65	3.27	3.12			
10	21.2	18.9	20.8	23.5	27.6	29.4	33.5	33.9	36.1	43.9	39.0	34.8	33.3	30.1	24.9	25.3			
15	91.9	87.1	86.3	91.7	103	102	112	112	125	127	122	118	109	97.4	90.9	85.0			
20	208	197	201	216	227	223	224	225	243	249	245	237	235	221	202	202			
25	312	306	308	311	332	309	309	312	346	338	334	331	332	318	294	294			
30	369	383	401	394	374	394	400	393	389	417	420	418	387	396	386	379			
35	467	472	466	467	474	461	453	454	486	483	495	482	476	459	457	452			
40	561	569	593	550	600	585	583	584	589	585	605	573	574	570	576	531			
45	621	624	628	616	631	618	615	610	631	628	625	620	615	601	597	597			
50	637	632	635	641	637	628	622	625	647	633	626	634	634	613	602	615			
55	633	628	614	629	632	622	597	607	633	624	606	619	617	605	584	599			
60	589	586	571	582	584	572	547	559	584	579	562	571	568	555	549	555			
65	523	522	507	517	514	502	478	490	505	503	492	501	505	497	490	495			
70	446	447	432	439	432	421	404	411	428	424	418	424	430	420	414	425			
75	361	363	352	353	346	340	324	331	345	340	339	338	343	338	337	346			
80	269	273	263	265	259	255	243	245	252	250	248	245	250	248	251	255			
85	178	181	178	174	172	167	162	162	167	165	163	160	163	163	165	170			
90	123	125	124	120	116	114	109	110	112	111	112	108	110	112	115	117			
95	62.3	73.4	74.1	70.8	57.4	64.6	63.5	63.1	57.3	64.7	66.5	63.5	60.3	66.2	68.8	69.0			
100	47.9	52.0	53.1	50.9	46.3	49.2	48.9	49.0	46.6	50.7	51.3	49.1	46.7	49.2	50.1	49.3			
105	39.6	45.0	45.1	43.9	39.7	43.4	42.8	42.2	38.7	42.8	42.8	41.6	38.5	41.8	42.2	41.8			
110	29.6	36.2	37.0	36.2	29.9	35.1	35.1	34.1	27.9	34.0	34.6	33.3	28.9	34.3	34.5	33.7			
115	20.6	27.2	28.0	27.1	20.9	25.5	25.7	24.8	19.5	25.1	26.2	25.0	20.5	25.8	26.3	25.4			
120	15.4	20.1	21.1	20.1	15.7	18.5	19.2	18.3	14.9	19.3	20.5	19.2	15.6	19.5	20.1	19.1			
125	12.9	16.2	17.6	16.4	13.0	15.0	16.2	15.1	12.3	16.0	17.3	15.7	13.0	16.0	16.9	15.6			
130	11.1	13.9	15.5	14.2	11.2	12.9	14.3	13.0	10.3	13.6	15.1	13.2	11.1	13.6	14.8	13.3			
135	9.56	12.0	13.7	12.3	9.54	11.1	12.6	11.1	8.41	11.5	13.2	11.2	9.35	11.9	13.1	11.5			
140	8.00	10.3	11.9	10.5	7.86	9.47	10.9	9.49	7.05	9.78	11.3	9.55	7.78	10.2	11.4	9.94			
145	7.31	8.93	10.2	9.10	6.95	8.17	9.51	8.08	6.58	8.40	9.87	8.26	7.14	8.84	9.93	8.62			
150	6.61	7.62	8.69	7.62	6.23	6.91	8.02	6.75	5.66	6.86	8.37	6.95	6.22	7.39	8.40	7.35			
155	5.29	6.06	6.95	6.08	5.04	5.49	6.44	5.58	4.99	5.87	6.65	5.51	5.06	5.92	6.75	5.91			
160	4.46	4.94	5.36	4.90	4.28	4.39	4.76	4.49	4.44	4.88	5.10	4.55	4.37	4.88	5.29	4.86			
165	3.83	4.10	4.18	3.97	3.49	3.47	3.56	3.59	3.93	3.92	3.95	3.89	3.82	4.06	4.25	4.07			
170	3.32	3.24	2.99	2.91	2.85	2.74	2.56	2.65	2.80	2.84	2.84	3.08	3.35	3.30	3.30	3.37			
175	2.29	2.07	1.83	1.89	1.86	1.78	1.69	1.90	1.83	1.82	1.77	1.99	2.22	2.28	2.25	2.38			
180	1.01	0.99	0.99	0.96	1.03	1.22	1.28	1.32	0.98	0.98	0.98	0.96	1.11	1.21	1.31	1.32			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-09

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: