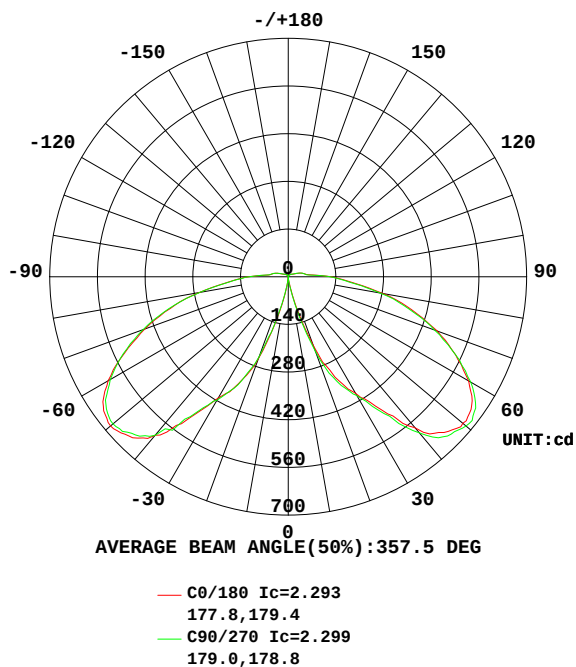
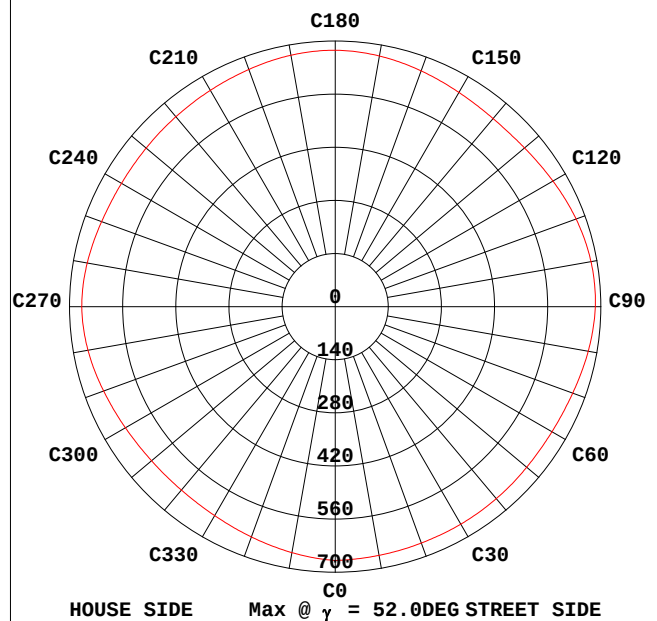


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.86V I:0.1733A P:20.629W PF:0.9931 Freq:59.98Hz Lamp Flux:2859.34x1 lm		
NAME: PLTS-12359 22W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*1	Shielding Angle:

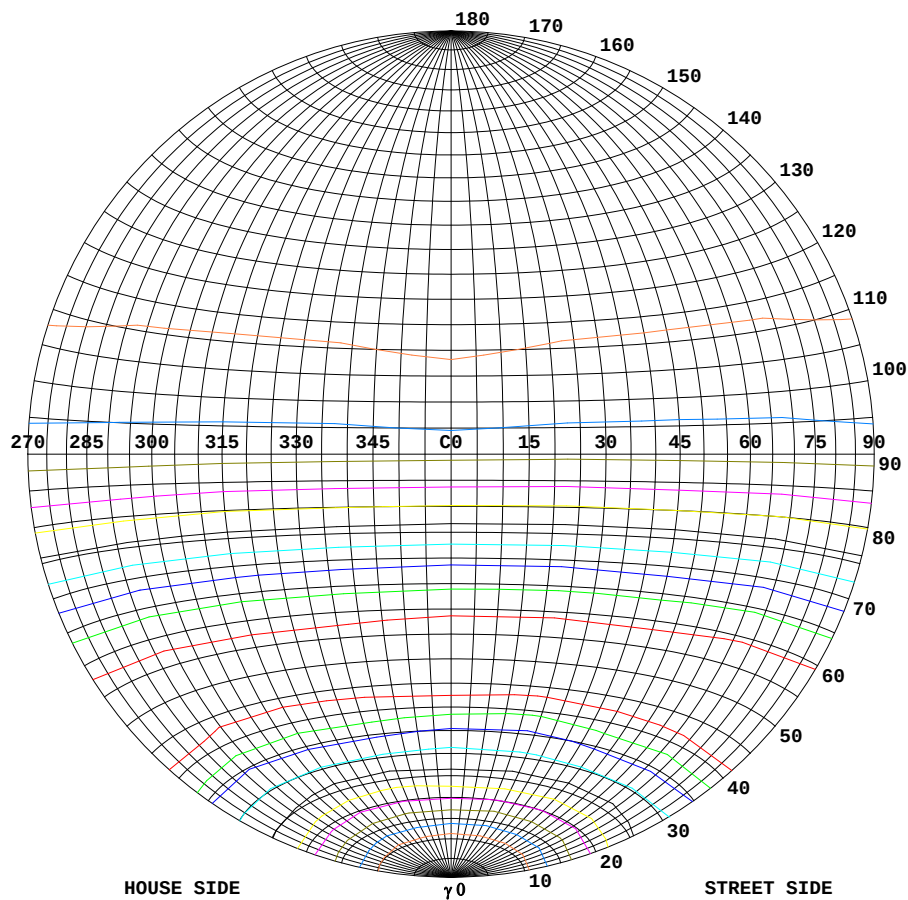
DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.61 lm/W			
MODEL		I _{max} (cd)	685.3	η street_up(%)	3.3
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	46.9
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2859	η house_up(%)	3.2
NOMINAL FLUX(lm)	2859.34	MAXIMUM @(C,γ)	90,52.0	η house_down(%)	46.6
LAMPS INSIDE	1	η up(%)	6.6	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	93.4	SLI	20.910

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:

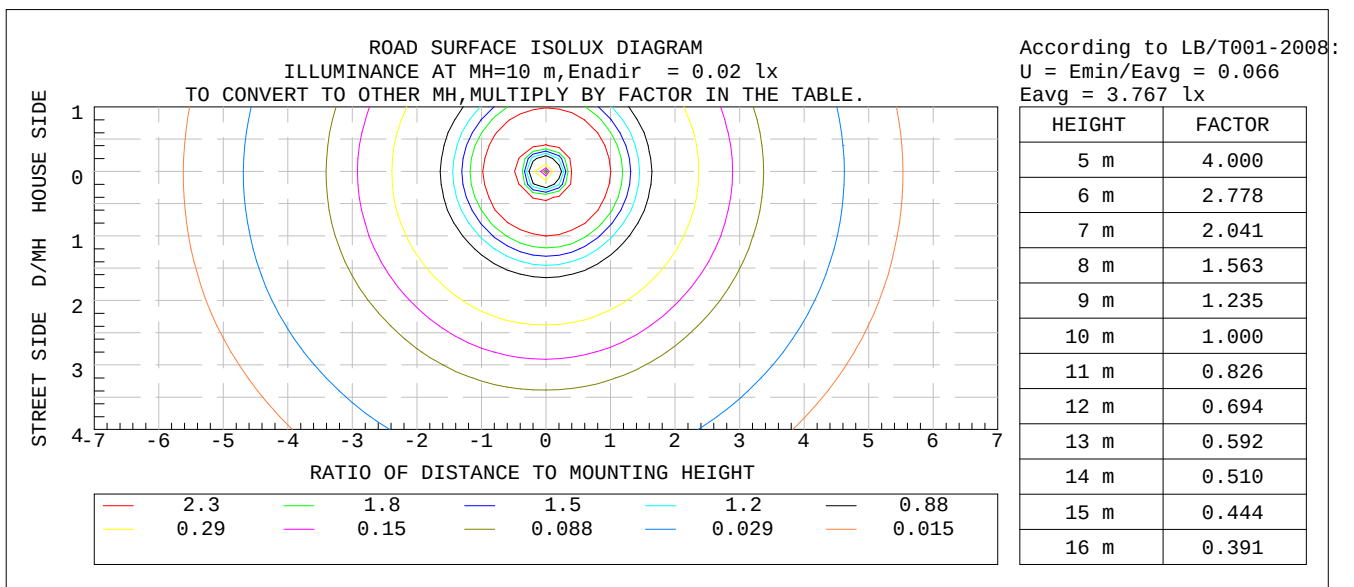
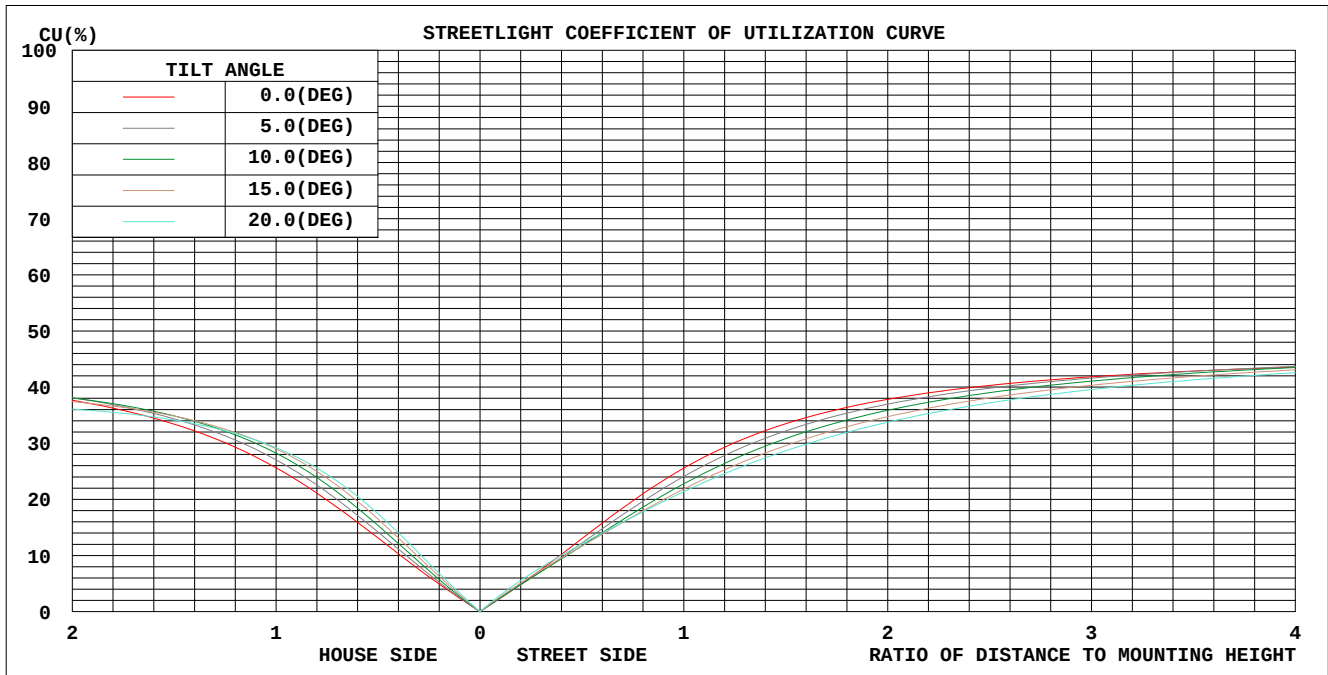
IES:Type V - Very Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Semi-cut-off
 Max.At80:98.76cd/klm
 Max.At90:45.60cd/klm
 Max.80-90:98.76cd/klm
 NRB 5101:Semi limited[12.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	685
90%	617
80%	548
70%	480
60%	411
50%	343
40%	274
30%	206
20%	137
10%	69
5%	34

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:

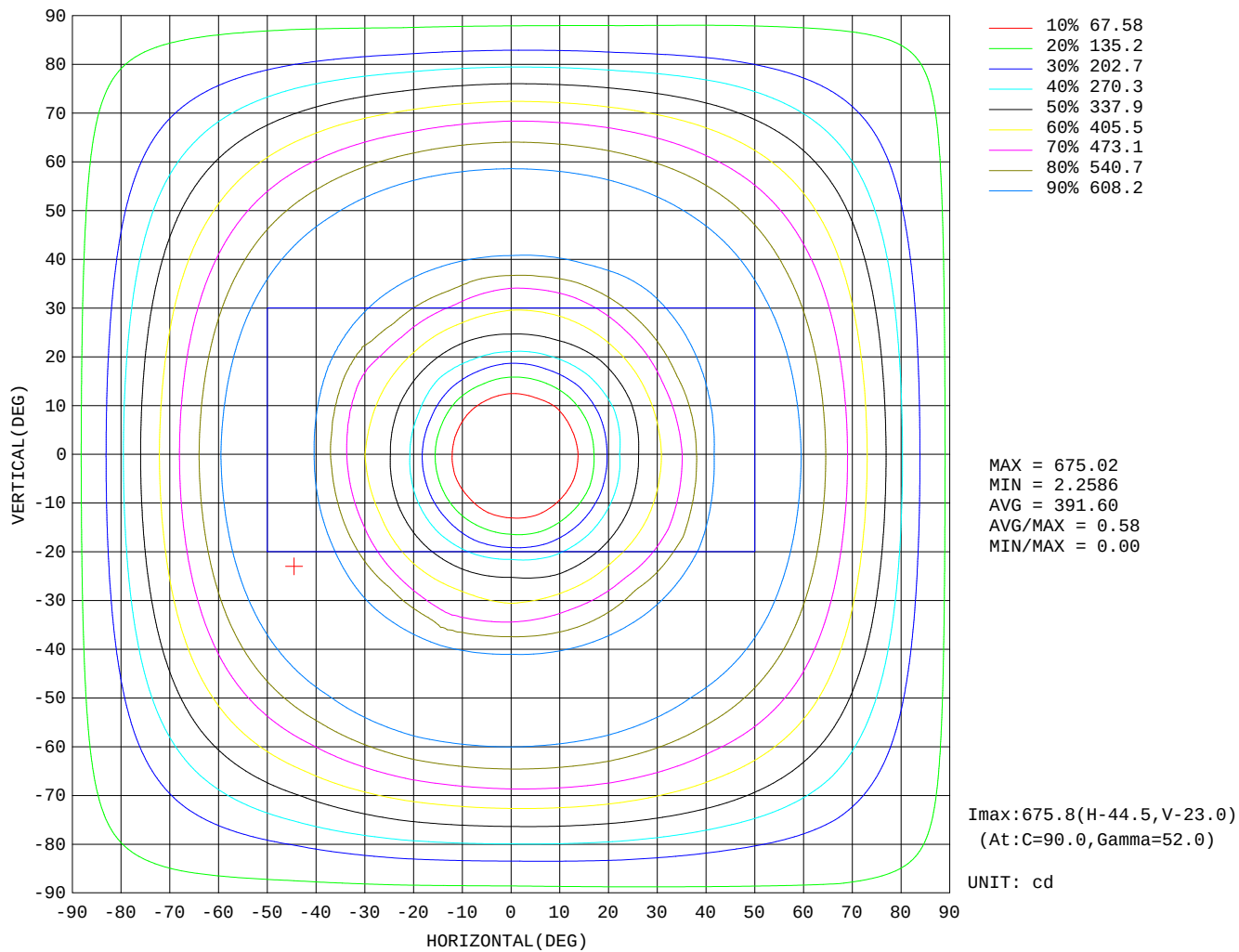
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	21.88	22.22	28.86	33.97	36.45	40.38	35.99	27.12	0- 10	1.175	1.175	0.04,0.04
20	215.8	206.8	232.9	228.7	252.7	251.9	248.0	208.4	10- 20	35.78	36.96	1.29,1.29
30	395.4	408.3	402.9	401.4	411.0	434.4	418.3	397.1	20- 30	153.3	190.2	6.65,6.65
40	578.8	599.7	598.0	579.1	607.6	598.6	607.7	567.5	30- 40	314.7	504.9	17.7,17.7
50	669.3	659.0	681.7	652.2	681.2	655.5	671.7	632.1	40- 50	494.9	999.8	35,35
60	611.4	599.2	618.6	581.8	610.7	588.9	603.5	579.5	50- 60	574.3	1574	55.1,55.1
70	465.0	452.5	456.6	426.6	448.2	437.9	452.7	436.9	60- 70	520.0	2094	73.2,73.2
80	280.2	275.5	273.5	255.8	263.6	258.3	263.0	264.9	70- 80	379.0	2473	86.5,86.5
90	126.5	128.0	123.3	114.7	116.8	116.0	116.4	120.2	80- 90	198.9	2672	93.4,93.4
100	49.77	54.77	48.88	51.14	48.56	52.89	49.16	52.00	90-100	81.71	2754	96.3,96.3
110	30.79	38.42	31.85	36.91	29.14	35.71	30.17	36.04	100-110	46.11	2800	97.9,97.9
120	16.11	21.85	16.66	20.16	15.50	21.09	16.27	20.91	110-120	26.08	2826	98.8,98.8
130	11.61	15.90	11.77	14.81	10.70	15.50	11.50	15.39	120-130	14.49	2840	99.3,99.3
140	8.306	12.13	8.230	11.29	7.307	11.61	8.057	11.82	130-140	9.180	2850	99.7,99.7
150	6.806	8.836	6.460	8.285	5.881	8.573	6.512	8.644	140-150	5.541	2855	99.9,99.9
160	4.615	5.466	4.478	4.924	4.601	5.243	4.498	5.451	150-160	2.853	2858	100,100
170	3.432	3.088	3.009	2.679	2.899	2.894	3.414	3.347	160-170	1.161	2859	100,100
180	1.028	1.026	1.037	1.316	1.017	1.015	1.089	1.316	170-180	0.2281	2859	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:

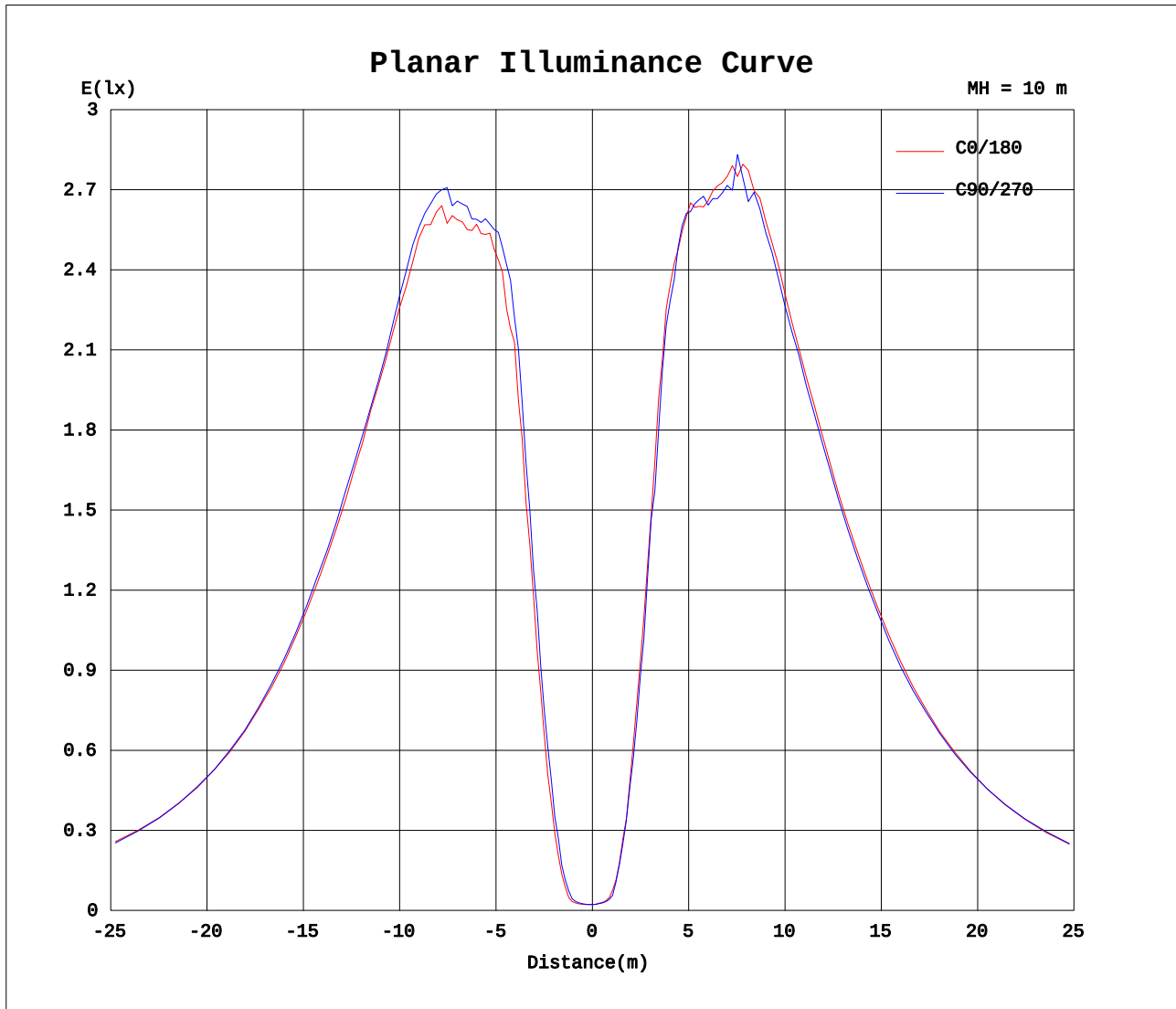
ISOCANDELA DIAGRAM



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

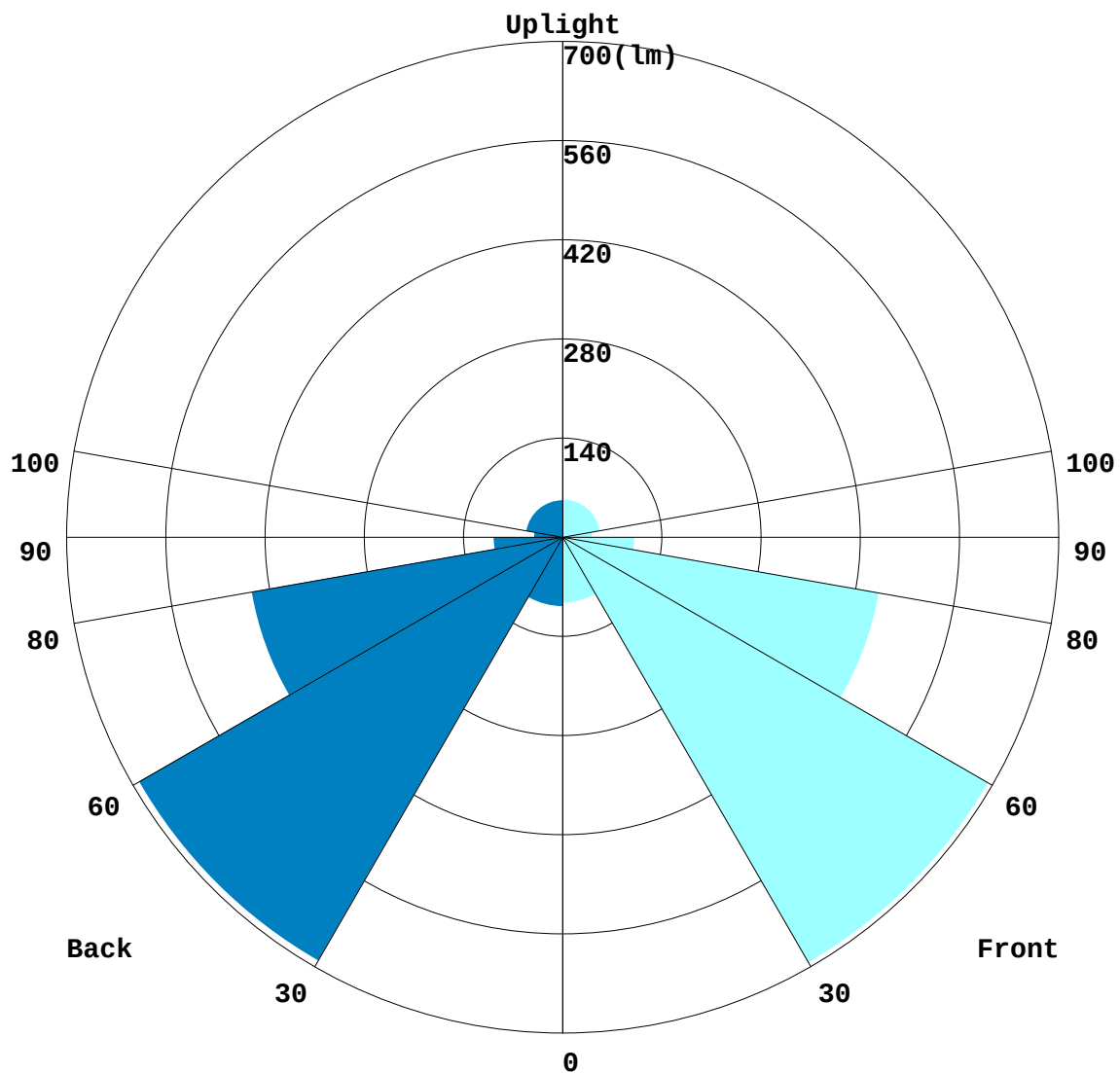


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-09

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:0.1733A P:20.629W PF:0.9931 Freq:59.98Hz Lamp Flux:2859.34x1 lm		
NAME: PLTS-12359 22W 4000K	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:0.1733A P:20.629W PF:0.9931 Freq:59.98Hz Lamp Flux:2859.34x1 lm		
NAME: PLTS-12359 22W 4000K	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)	92.759	3.2
FM - Front-Medium(30-60)	693.43	24.3
FH - Front-High(60-80)	453.22	15.9
FVH - Front-Very High(80-90)	101.48	3.5
Total Forward Light	1435.9	50.2

BL - Back-Low(0-30)	97.49	3.4
BM - Back-Medium(30-60)	690.39	24.1
BH - Back-High(60-80)	445.79	15.6
BVH - Back-Very High(80-90)	97.425	3.4
Total Back Light	1423.4	49.8

UL - Uplight-Low(90-100)	81.709	2.9
UH - Uplight-High(100-180)	105.64	3.7
Total Up Light	187.35	6.6

BUG(Back,Up,Glare) Rating	B1-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1331.1	92.296	1423.4
Street Side	1340.9	95.052	1435.9

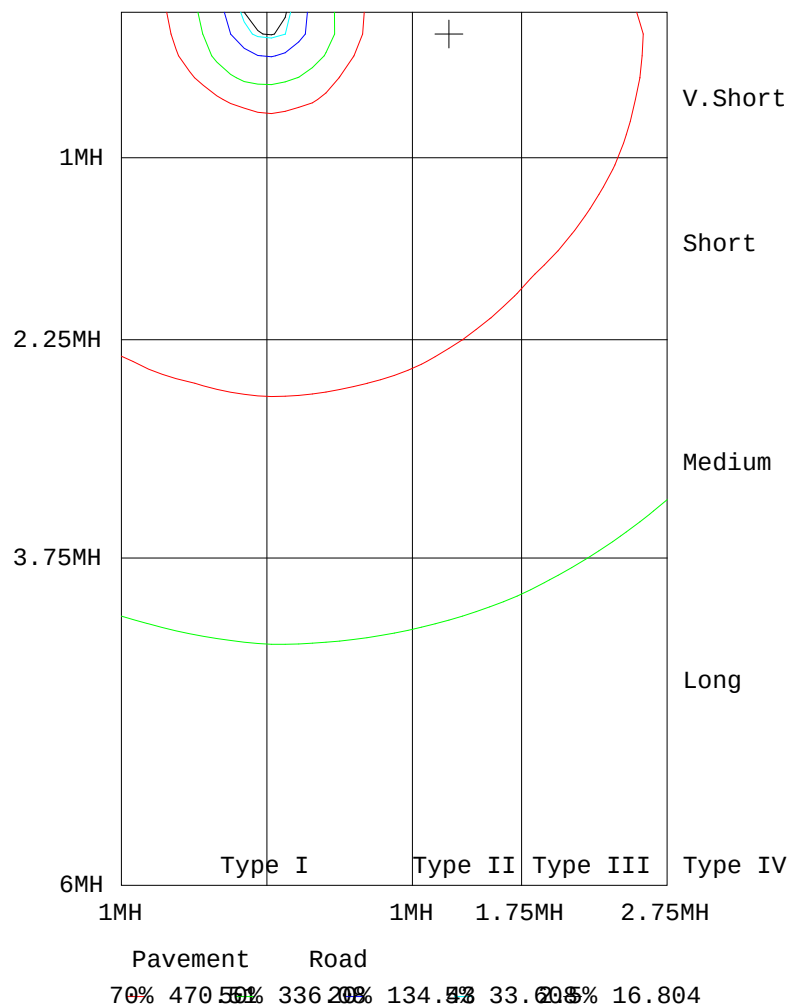
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-09

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:0.1733A P:20.629W PF:0.9931 Freq:59.98Hz Lamp Flux:2859.34x1 lm		
NAME: PLTS-12359 22W 4000K	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	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30			
5	2.95	2.94	3.09	3.20	3.58	3.82	4.33	4.88	4.99	5.27	4.79	4.69	4.28	4.00	3.52	3.32			
10	21.9	20.4	22.2	24.1	28.9	29.9	34.0	36.6	36.5	42.9	40.4	37.9	36.0	32.6	27.1	25.9			
15	92.0	91.1	89.5	92.4	103	107	113	117	123	129	124	125	115	106	92.2	91.2			
20	216	206	207	211	233	237	229	235	253	261	252	247	248	238	208	205			
25	325	318	316	319	339	328	321	328	346	343	344	342	350	336	309	300			
30	395	401	408	403	403	411	401	407	411	424	434	430	418	407	397	392			
35	477	472	489	493	491	472	484	497	507	505	539	520	502	486	482	485			
40	579	591	600	570	598	606	579	588	608	600	599	593	608	586	568	565			
45	647	647	650	641	661	658	640	645	662	658	652	643	650	635	620	623			
50	669	663	659	665	682	670	652	661	681	664	655	660	672	653	632	643			
55	657	657	649	654	672	662	635	642	663	650	638	640	653	636	622	629			
60	611	608	599	604	619	607	582	587	611	602	589	591	603	591	580	585			
65	542	540	533	535	542	530	507	512	530	521	517	518	534	527	516	519			
70	465	463	452	453	457	445	427	432	448	444	438	438	453	445	437	444			
75	375	377	367	366	367	358	341	347	358	354	353	351	363	357	355	359			
80	280	282	276	274	273	269	256	257	264	261	258	254	263	260	265	268			
85	186	189	184	182	179	178	169	171	175	172	170	167	173	171	174	178			
90	126	130	128	125	123	121	115	116	117	116	116	112	116	118	120	123			
95	64.9	75.9	76.7	74.2	61.4	67.9	66.2	66.3	59.7	66.6	68.5	65.6	63.0	68.9	71.7	72.2			
100	49.8	53.8	54.8	53.1	48.9	51.5	51.1	51.4	48.6	52.5	52.9	50.7	49.2	51.5	52.0	51.7			
105	41.4	46.3	46.6	45.7	41.9	45.4	44.9	44.3	40.3	44.3	44.4	42.8	40.4	43.7	43.9	43.6			
110	30.8	37.3	38.4	37.8	31.9	36.8	36.9	35.9	29.1	35.0	35.7	34.4	30.2	35.6	36.0	35.4			
115	21.5	27.9	29.0	28.4	22.3	26.8	27.1	26.1	20.2	25.8	27.0	25.9	21.4	26.7	27.4	26.8			
120	16.1	20.6	21.9	21.0	16.7	19.3	20.2	19.3	15.5	19.7	21.1	19.9	16.3	20.1	20.9	20.0			
125	13.4	16.5	18.1	17.1	13.8	15.5	16.9	15.9	12.8	16.3	17.8	16.3	13.5	16.5	17.6	16.4			
130	11.6	14.1	15.9	14.8	11.8	13.2	14.8	13.7	10.7	13.8	15.5	13.8	11.5	14.0	15.4	14.0			
135	9.95	12.1	14.0	12.8	9.97	11.3	13.0	11.8	8.73	11.6	13.5	11.8	9.74	12.1	13.5	12.2			
140	8.31	10.4	12.1	11.0	8.23	9.61	11.3	10.0	7.31	9.85	11.6	10.0	8.06	10.4	11.8	10.5			
145	7.57	8.98	10.5	9.50	7.26	8.32	9.82	8.52	6.84	8.46	10.1	8.67	7.43	9.01	10.3	9.17			
150	6.81	7.64	8.84	7.97	6.46	7.07	8.29	7.13	5.88	6.96	8.57	7.26	6.51	7.54	8.64	7.75			
155	5.45	6.14	7.10	6.36	5.27	5.63	6.65	5.91	5.18	5.93	6.82	5.72	5.23	6.03	6.98	6.19			
160	4.62	5.02	5.47	5.08	4.48	4.55	4.92	4.71	4.60	4.97	5.24	4.68	4.50	4.99	5.45	5.06			
165	3.95	4.18	4.28	4.09	3.69	3.64	3.72	3.75	4.08	4.00	4.02	3.95	3.92	4.15	4.34	4.24			
170	3.43	3.35	3.09	2.97	3.01	2.90	2.68	2.78	2.90	2.87	2.89	3.13	3.41	3.40	3.35	3.46			
175	2.38	2.13	1.87	1.96	1.96	1.91	1.76	1.94	1.93	1.87	1.78	1.95	2.28	2.33	2.30	2.40			
180	1.03	1.03	1.03	1.01	1.04	1.23	1.32	1.33	1.02	1.01	1.02	1.00	1.09	1.22	1.32	1.33			

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: