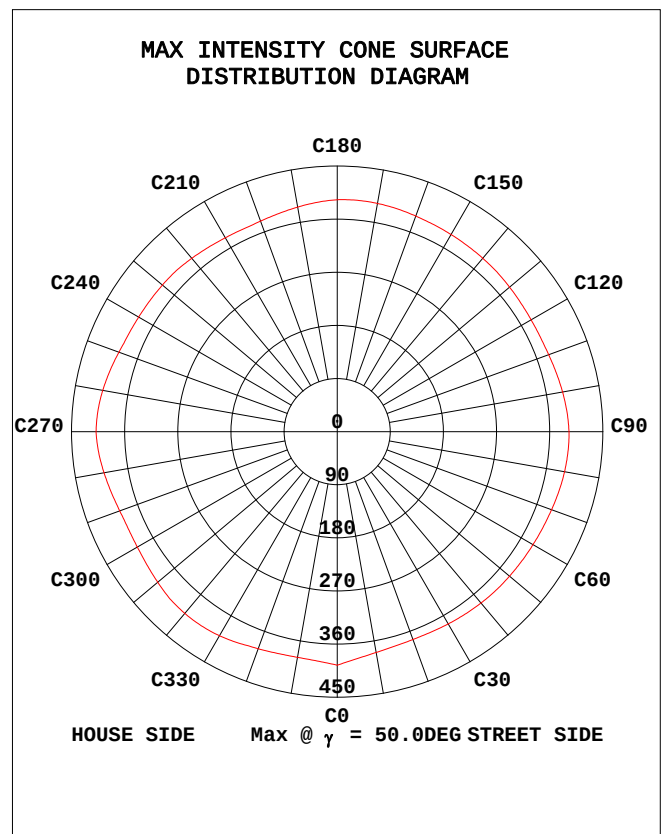
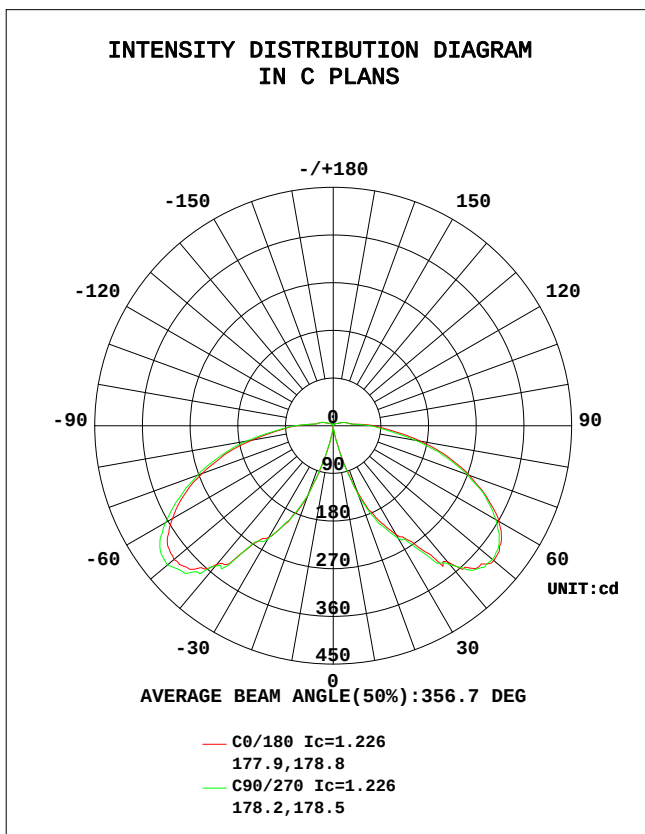


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.89V I:0.1014A P:11.949W PF:0.9828 Freq:59.98Hz Lamp Flux:1676.44x1 lm		
NAME: PLTS-12359 12W 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*1	Shielding Angle:

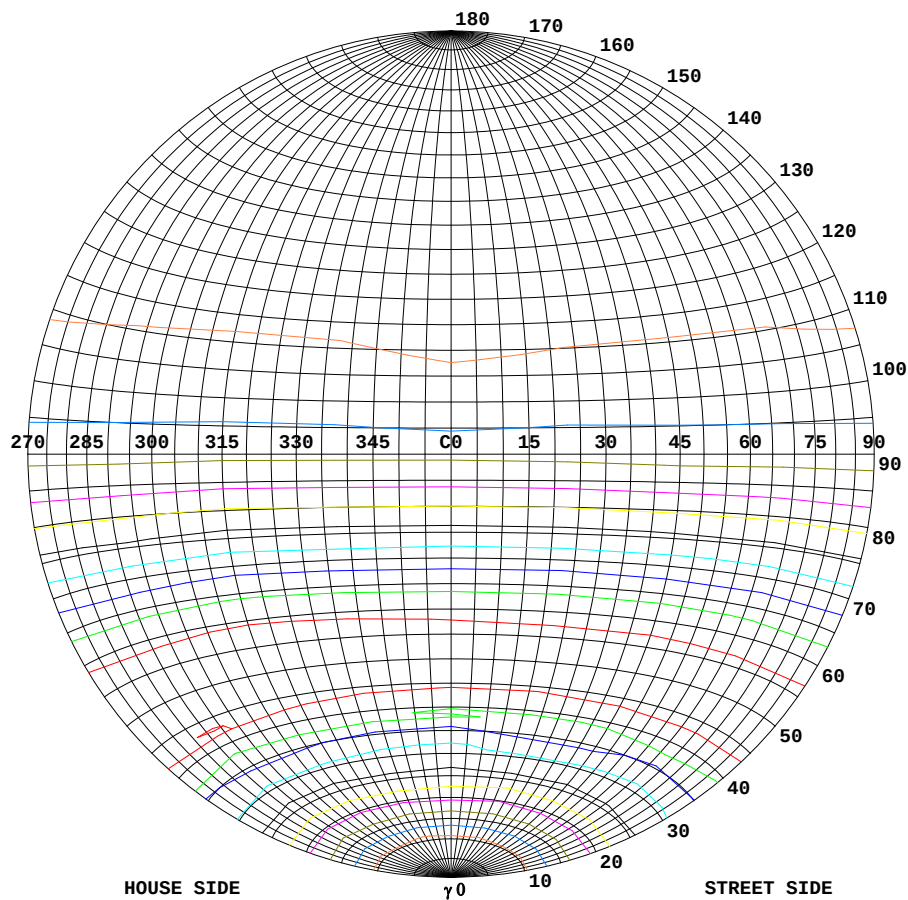
DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.30 lm/W			
MODEL		I _{max} (cd)	408.6	η street_up(%)	3.2
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	46.5
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1676	η house_up(%)	3.3
NOMINAL FLUX(lm)	1676.44	MAXIMUM @(C,γ)	270,50.0	η house_down(%)	47.0
LAMPS INSIDE	1	η up(%)	6.5	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	93.5	SLI	20.144



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:

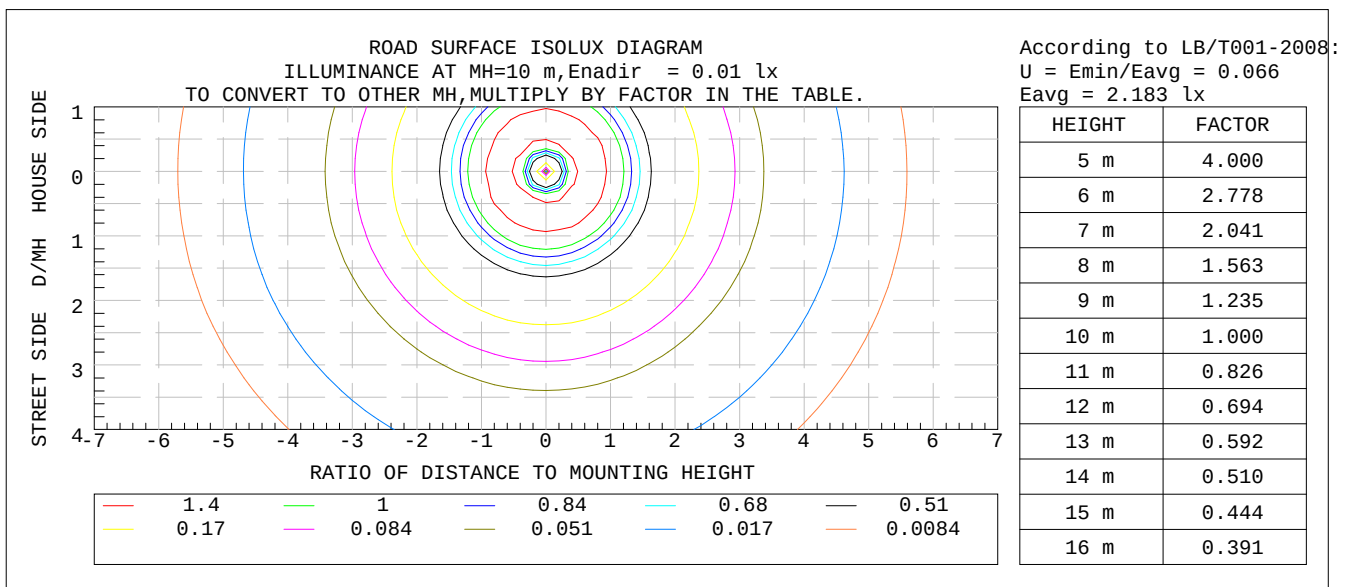
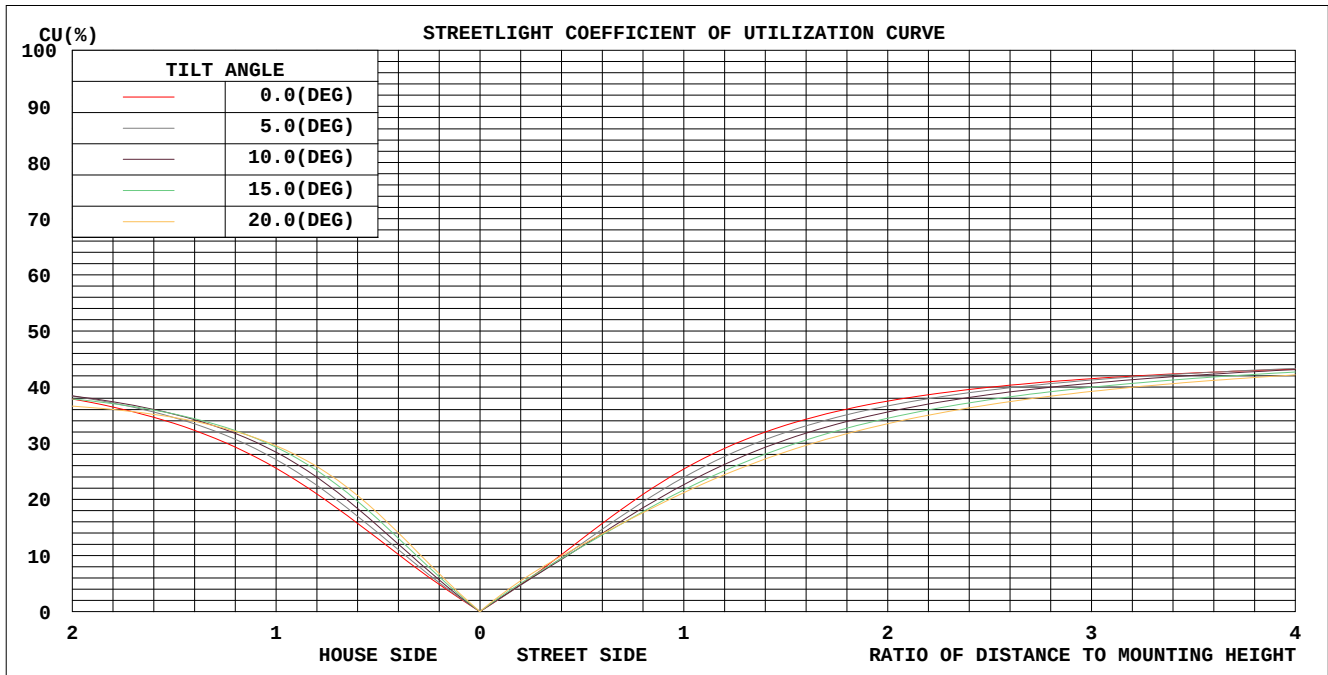
IES:Type V - Very Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Semi-cut-off
 Max.At80:99.67cd/klm
 Max.At90:45.97cd/klm
 Max.80-90:99.67cd/klm
 NRB 5101:Semi limited[12.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	409
90%	368
80%	327
70%	286
60%	245
50%	204
40%	163
30%	123
20%	82
10%	41
5%	20

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:

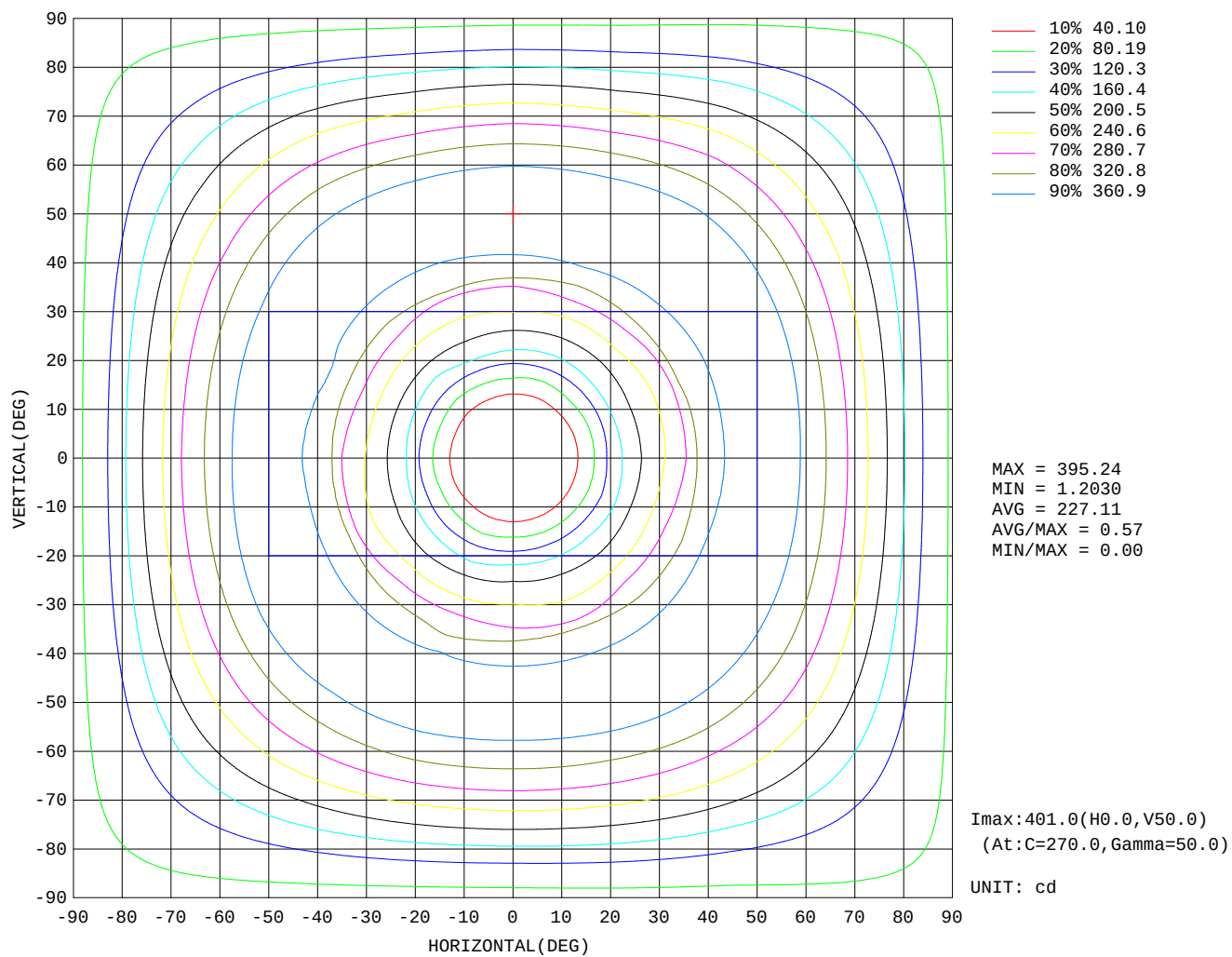
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	15.28	17.69	18.46	19.31	18.41	18.74	16.24	18.89	0- 10	0.6425	0.6425	0.04,0.04
20	132.7	131.8	139.2	134.6	137.7	133.9	139.8	129.4	10- 20	20.48	21.12	1.26,1.26
30	237.7	231.9	246.0	240.3	243.6	236.0	247.1	238.2	20- 30	88.73	109.9	6.55,6.55
40	334.8	325.2	341.9	338.6	341.3	329.1	345.9	338.5	30- 40	183.2	293.1	17.5,17.5
50	395.7	380.3	392.6	382.7	393.0	385.9	408.6	400.7	40- 50	288.9	582.0	34.7,34.7
60	360.9	345.6	354.9	347.6	350.3	346.5	365.6	361.9	50- 60	337.7	919.7	54.9,54.9
70	272.9	260.0	270.1	258.0	262.9	257.6	271.6	269.4	60- 70	306.4	1226	73.1,73.1
80	166.5	154.7	157.1	151.4	155.4	151.0	164.6	167.1	70- 80	223.5	1450	86.5,86.5
90	77.06	69.71	70.60	68.10	70.50	68.17	73.46	75.49	80- 90	117.8	1567	93.5,93.5
100	29.00	30.02	28.67	30.45	28.83	30.04	28.70	31.62	90-100	48.16	1616	96.4,96.4
110	17.70	20.84	17.59	20.88	17.55	21.34	18.97	22.60	100-110	26.80	1642	98,98
120	9.320	12.24	9.372	11.93	9.235	11.81	9.640	12.43	110-120	15.14	1658	98.9,98.9
130	6.299	8.800	6.582	8.827	6.519	8.566	6.693	8.912	120-130	8.312	1666	99.4,99.4
140	4.240	6.583	4.604	6.767	4.537	6.371	4.595	6.733	130-140	5.201	1671	99.7,99.7
150	3.430	4.810	3.638	4.814	3.450	4.528	3.508	4.952	140-150	3.086	1674	99.9,99.9
160	2.585	2.966	2.371	2.896	2.364	2.773	2.300	3.034	150-160	1.557	1676	100,100
170	1.736	1.617	1.759	1.613	1.641	1.548	1.693	1.667	160-170	0.6264	1676	100,100
180	0.5377	0.5293	0.5435	0.5334	0.5435	0.5237	0.5435	0.5334	170-180	0.1200	1676	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:

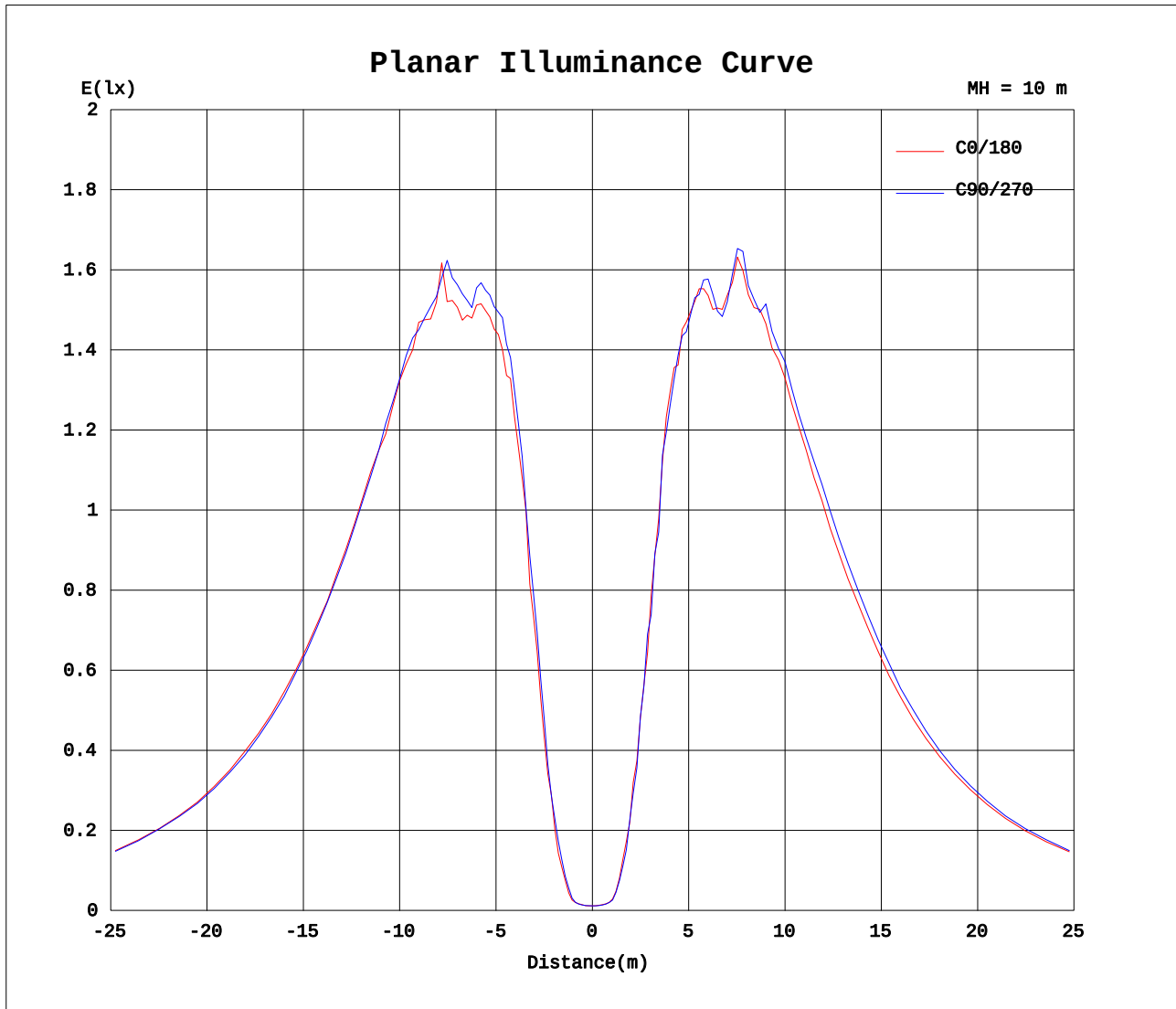
ISOCANDELA DIAGRAM



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



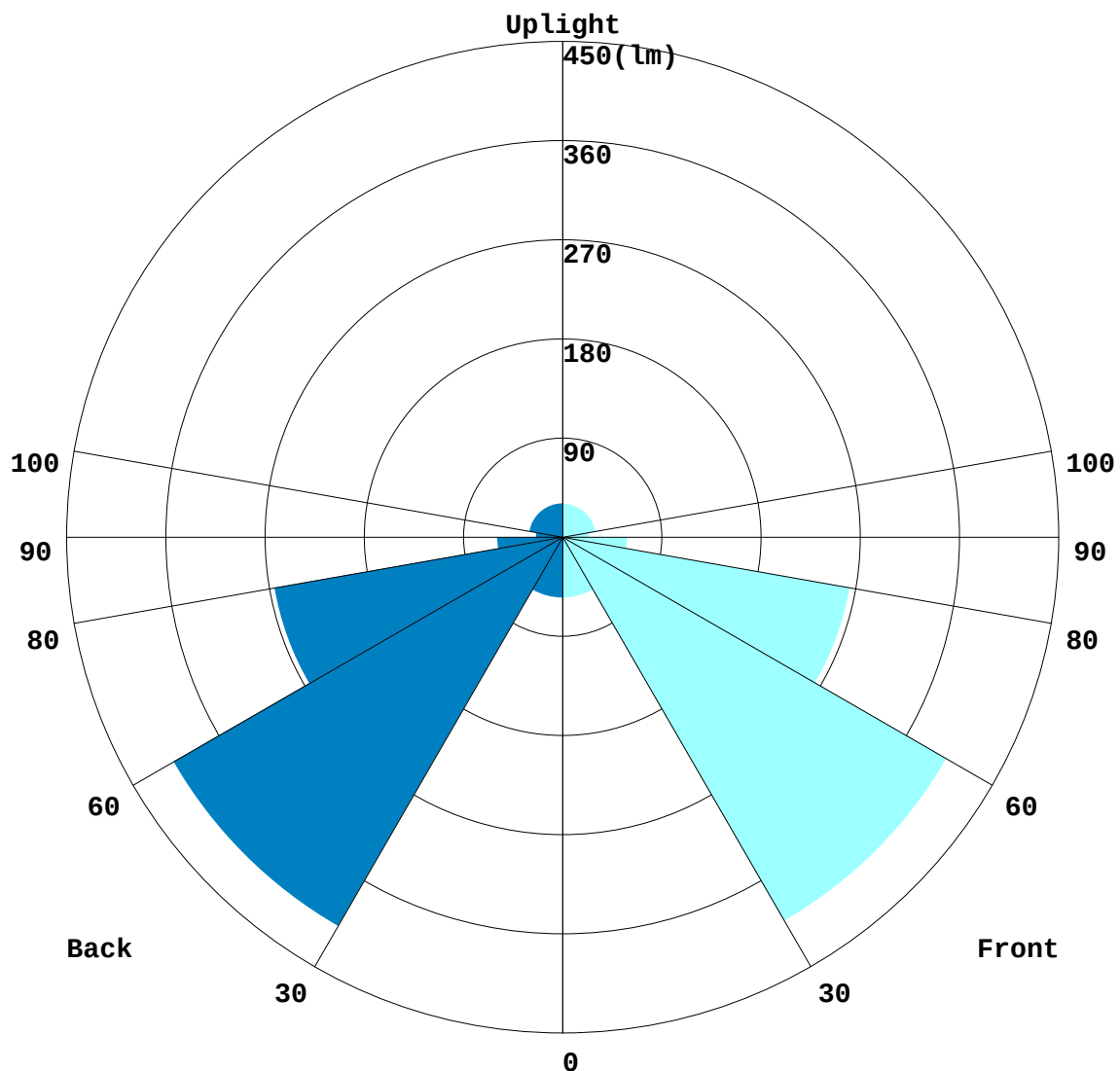
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-10

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:119.89V I:0.1014A P:11.949W PF:0.9828 Freq:59.98Hz Lamp Flux:1676.44x1 lm		
NAME: PLTS-12359 12W 5000K	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: 2022-05-10

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:119.89V I:0.1014A P:11.949W PF:0.9828 Freq:59.98Hz Lamp Flux:1676.44x1 lm		
NAME: PLTS-12359 12W 5000K	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)	54.903	3.3
FM - Front-Medium(30-60)	402.15	24.0
FH - Front-High(60-80)	264.43	15.8
FVH - Front-Very High(80-90)	58.527	3.5
Total Forward Light	834.19	49.8

BL - Back-Low(0-30)	54.953	3.3
BM - Back-Medium(30-60)	407.68	24.3
BH - Back-High(60-80)	265.47	15.8
BVH - Back-Very High(80-90)	59.31	3.5
Total Back Light	842.25	50.2

UL - Uplight-Low(90-100)	48.16	2.9
UH - Uplight-High(100-180)	60.842	3.6
Total Up Light	109	6.5

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	787.42	54.834	842.25
Street Side	780.02	54.168	834.19

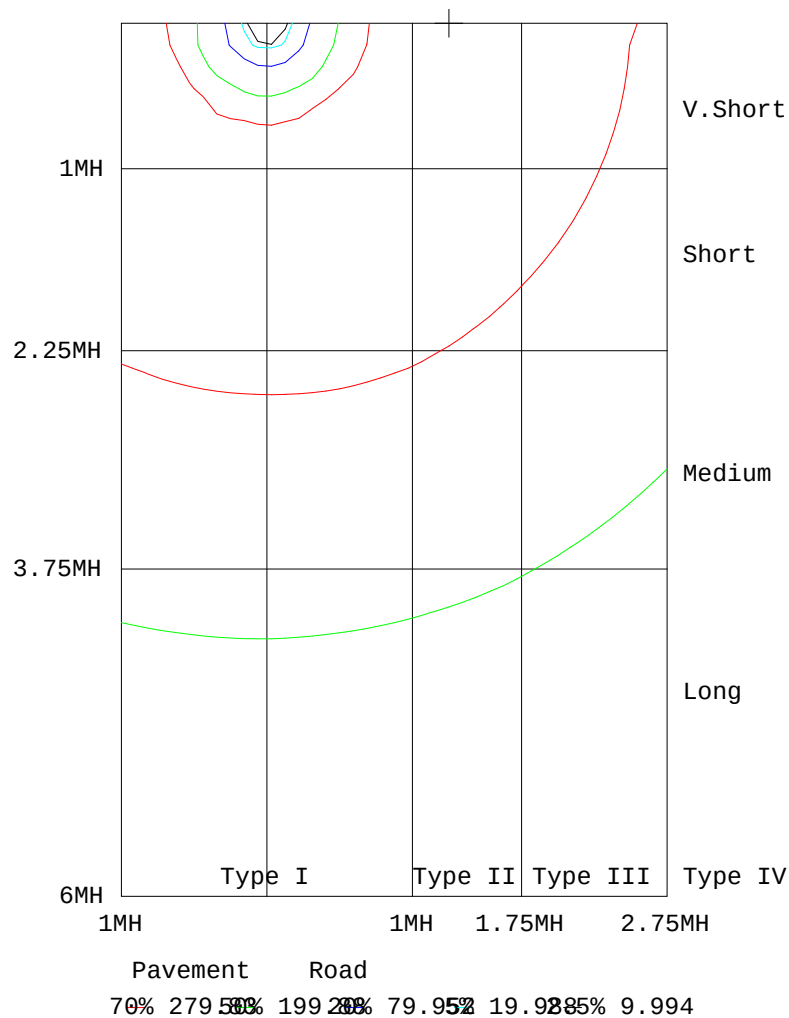
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-10

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:119.89V I:0.1014A P:11.949W PF:0.9828 Freq:59.98Hz Lamp Flux:1676.44x1 lm		
NAME: PLTS-12359 12W 5000K	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:2022-05-10

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	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23			
5	2.08	2.07	2.16	2.23	2.13	2.13	2.27	2.07	2.13	2.16	2.09	2.13	2.08	2.06	2.11	2.04			
10	15.3	16.2	17.7	17.0	18.5	16.9	19.3	17.6	18.4	19.3	18.7	17.9	16.2	16.5	18.9	15.8			
15	59.7	57.6	58.9	62.0	65.2	61.9	60.9	62.6	63.7	61.0	60.3	62.1	63.3	58.8	59.4	61.6			
20	133	122	132	135	139	131	135	139	138	133	134	136	140	128	129	130			
25	192	187	186	192	203	189	186	198	199	188	187	194	196	184	184	185			
30	238	233	232	233	246	238	240	233	244	243	236	237	247	233	238	228			
35	279	298	292	271	290	310	303	281	285	309	292	278	282	304	292	269			
40	335	330	325	332	342	341	339	334	341	342	329	337	346	345	338	333			
45	381	364	372	376	382	372	376	378	383	370	372	384	395	377	388	378			
50	396	375	380	385	393	380	383	388	393	379	386	391	409	391	401	393			
55	387	373	371	375	382	371	374	378	383	370	376	385	400	386	391	387			
60	361	348	346	347	355	348	348	349	350	341	346	352	366	356	362	357			
65	320	310	306	309	317	310	307	305	311	300	305	307	319	313	317	315			
70	273	264	260	261	270	262	258	258	263	253	258	259	272	262	269	267			
75	222	215	210	211	215	210	208	210	213	203	207	208	220	213	219	217			
80	166	161	155	156	157	153	151	152	155	149	151	155	165	160	167	164			
85	113	106	102	103	103	100	100	101	103	98.1	99.5	102	109	107	111	111			
90	77.1	73.3	69.7	70.0	70.6	69.1	68.1	68.4	70.5	67.4	68.2	69.7	73.5	72.9	75.5	75.2			
95	38.0	42.2	40.5	40.0	37.2	40.3	40.1	39.6	37.9	40.0	40.2	40.0	37.6	41.0	44.1	43.1			
100	29.0	30.1	30.0	30.0	28.7	29.7	30.5	30.5	28.8	29.7	30.0	30.2	28.7	29.9	31.6	31.4			
105	24.0	25.2	25.4	25.5	23.4	24.8	25.8	26.0	23.7	24.6	25.8	26.4	24.8	26.1	27.6	27.4			
110	17.7	20.3	20.8	20.8	17.6	20.0	20.9	21.0	17.6	19.7	21.3	21.7	19.0	21.2	22.6	22.2			
115	12.4	15.3	15.9	15.8	12.4	14.9	15.6	15.6	12.3	14.5	15.8	16.0	13.1	15.5	16.8	16.2			
120	9.32	11.6	12.2	11.9	9.37	11.3	11.9	11.7	9.24	10.8	11.8	11.6	9.64	11.2	12.4	12.0			
125	7.63	9.30	10.2	9.61	7.74	9.22	10.1	9.60	7.63	8.74	9.82	9.41	7.90	8.97	10.2	9.68			
130	6.30	7.77	8.80	8.14	6.58	7.81	8.83	8.28	6.52	7.44	8.57	8.07	6.69	7.63	8.91	8.21			
135	5.14	6.55	7.67	6.98	5.55	6.66	7.77	7.20	5.51	6.33	7.45	6.93	5.61	6.49	7.78	7.03			
140	4.24	5.48	6.58	5.95	4.60	5.68	6.77	6.09	4.54	5.28	6.37	5.88	4.59	5.48	6.73	5.98			
145	3.96	4.71	5.71	5.10	4.15	4.87	5.85	5.24	3.99	4.51	5.44	5.00	4.02	4.71	5.82	5.18			
150	3.43	3.88	4.81	4.39	3.64	4.02	4.81	4.32	3.45	3.75	4.53	4.11	3.51	3.95	4.95	4.27			
155	2.93	3.26	3.85	3.36	2.84	3.17	3.79	3.41	2.79	3.01	3.62	3.20	2.76	3.13	3.96	3.51			
160	2.59	2.80	2.97	2.67	2.37	2.54	2.90	2.74	2.36	2.52	2.77	2.55	2.30	2.52	3.03	2.88			
165	2.34	2.29	2.26	2.13	2.03	2.13	2.21	2.12	2.03	2.09	2.14	2.03	1.97	2.11	2.26	2.31			
170	1.74	1.67	1.62	1.65	1.76	1.70	1.61	1.63	1.64	1.61	1.55	1.60	1.69	1.71	1.67	1.70			
175	1.14	1.06	1.02	1.08	1.13	1.07	1.03	1.04	1.03	1.05	1.00	1.06	1.09	1.12	1.06	1.10			
180	0.54	0.52	0.53	0.54	0.54	0.53	0.53	0.53	0.54	0.53	0.52	0.54	0.54	0.53	0.53	0.54			

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: