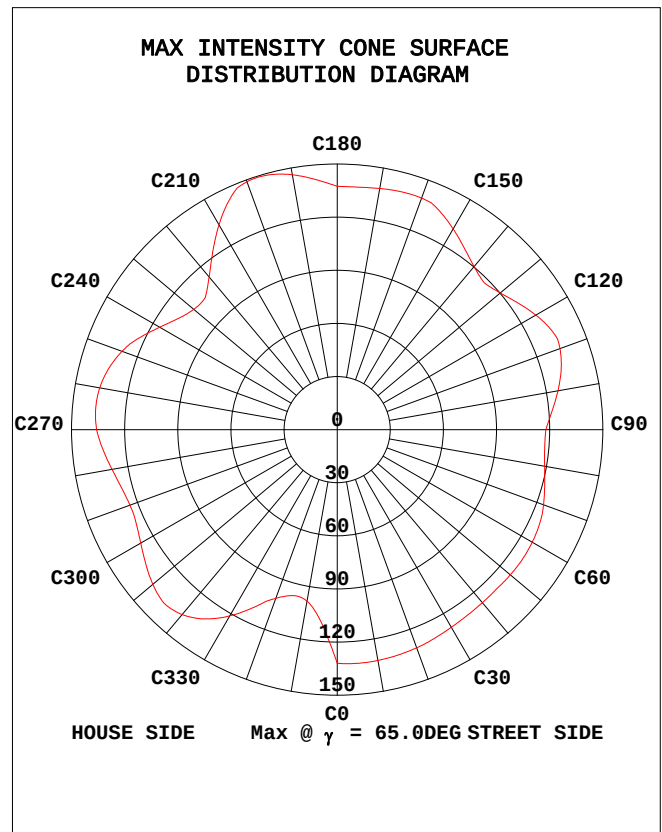
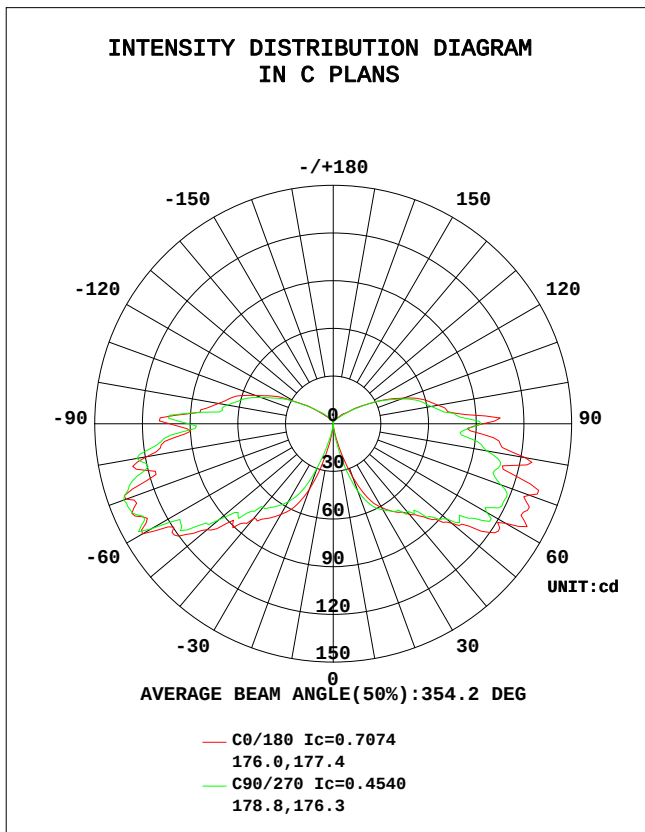


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.87V I:0.1014A P:11.954W PF:0.9836 Freq:59.98Hz Lamp Flux:820.279x1 lm		
NAME: PLTS-12360 12W 3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.1*0.1	Shielding Angle:

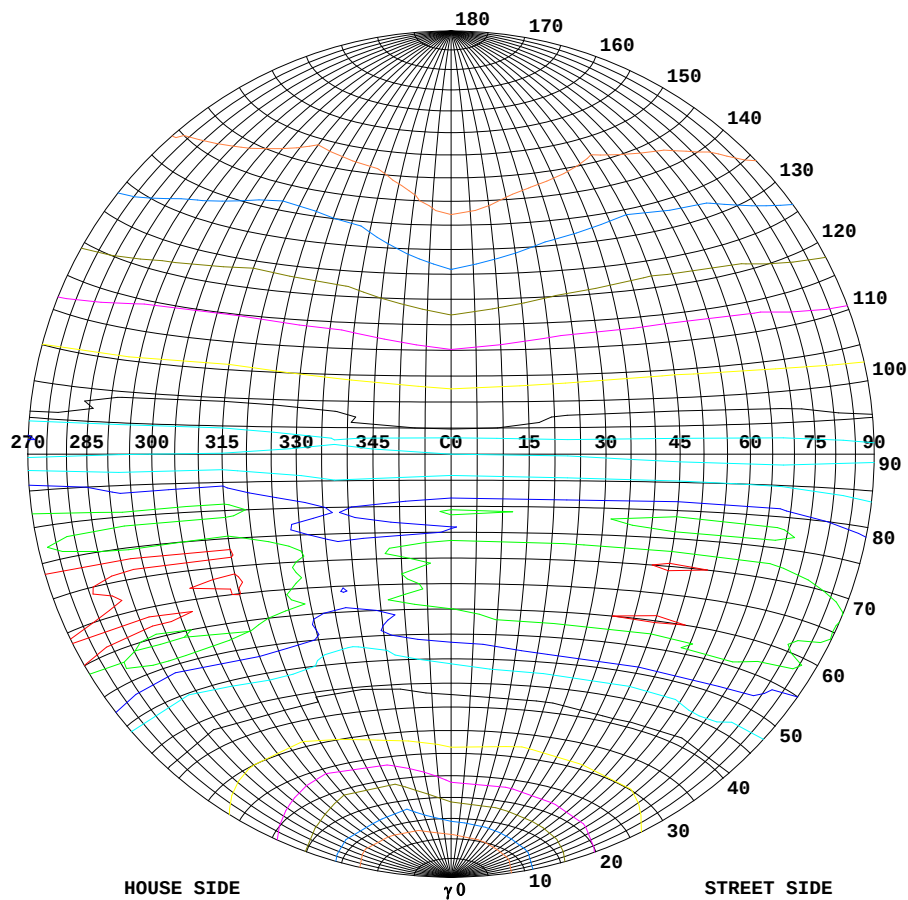
DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.62 lm/W			
MODEL		I _{max} (cd)	147.8	η street_up(%)	13.7
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	35.9
RATED VOLTAGE(V)		TOTAL FLUX(lm)	820.3	η house_up(%)	14.6
NOMINAL FLUX(lm)	820.279	MAXIMUM @(C,γ)	203,65.0	η house_down(%)	35.8
LAMPS INSIDE	1	η up(%)	28.2	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	71.8	SLI	19.493



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:

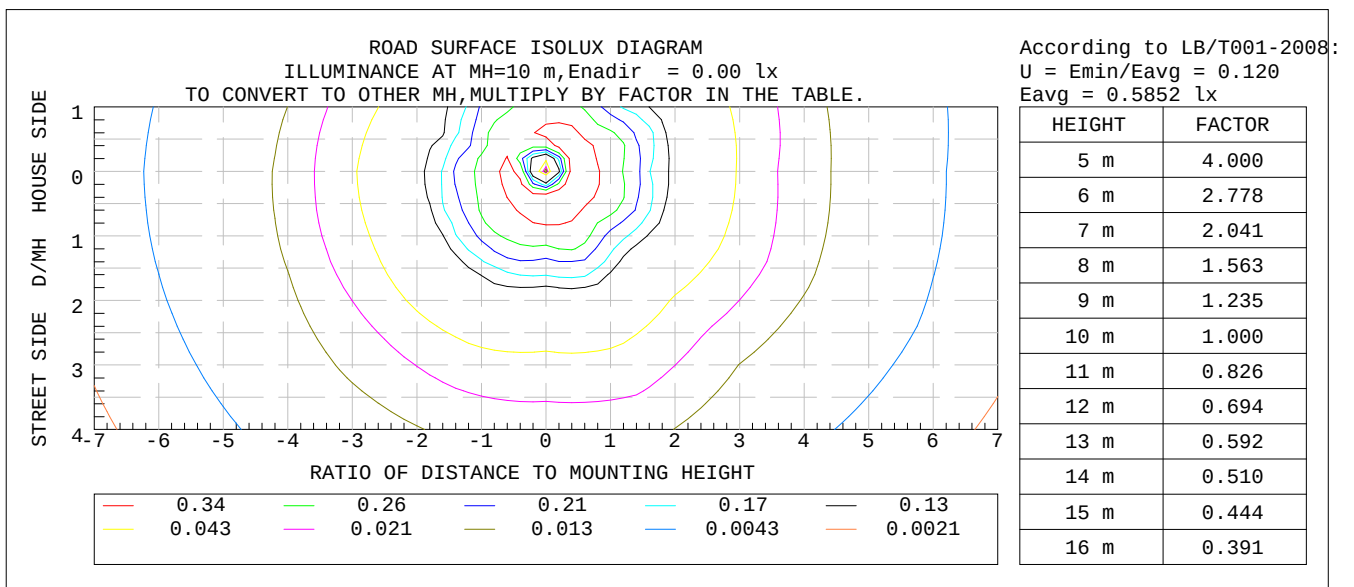
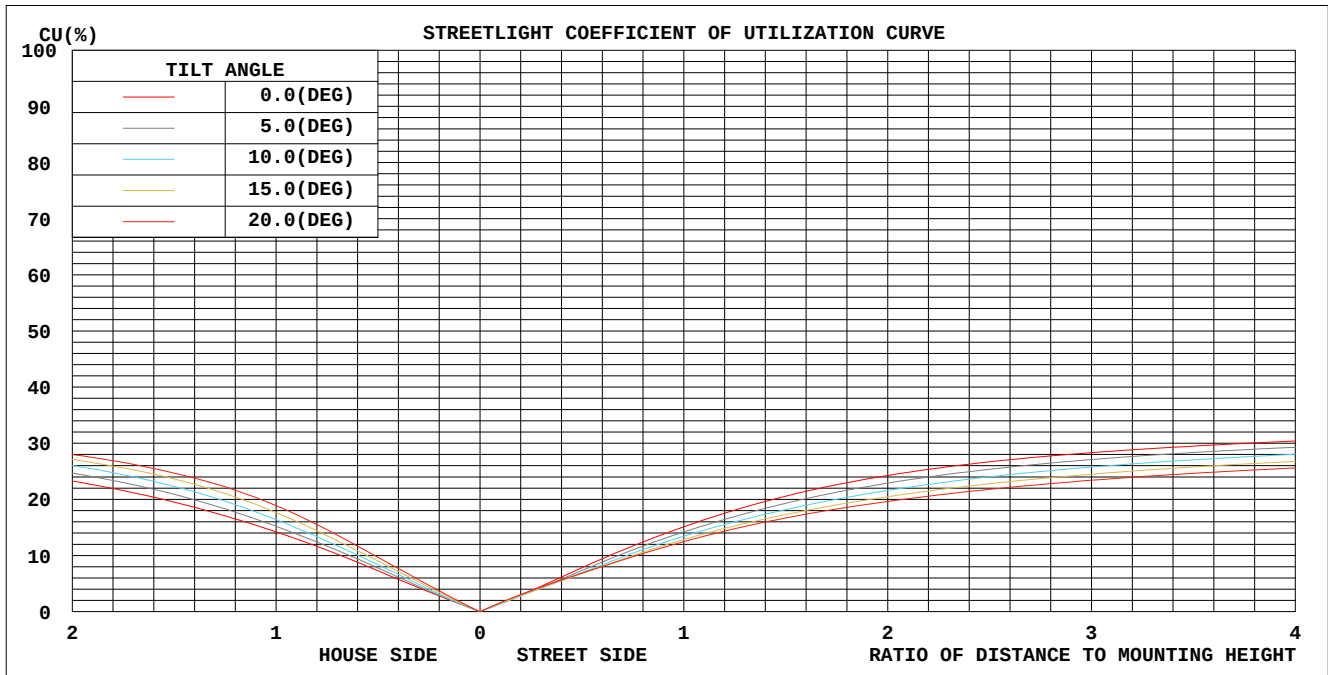
IES:Type V - Short
 CIE:Broad - Intermediate
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:155.5cd/klm
 Max.At90:126.9cd/klm
 Max.80-90:155.5cd/klm
 NRB 5101:Semi limited[16.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	148
90%	133
80%	118
70%	103
60%	89
50%	74
40%	59
30%	44
20%	30
10%	15
5%	7

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:

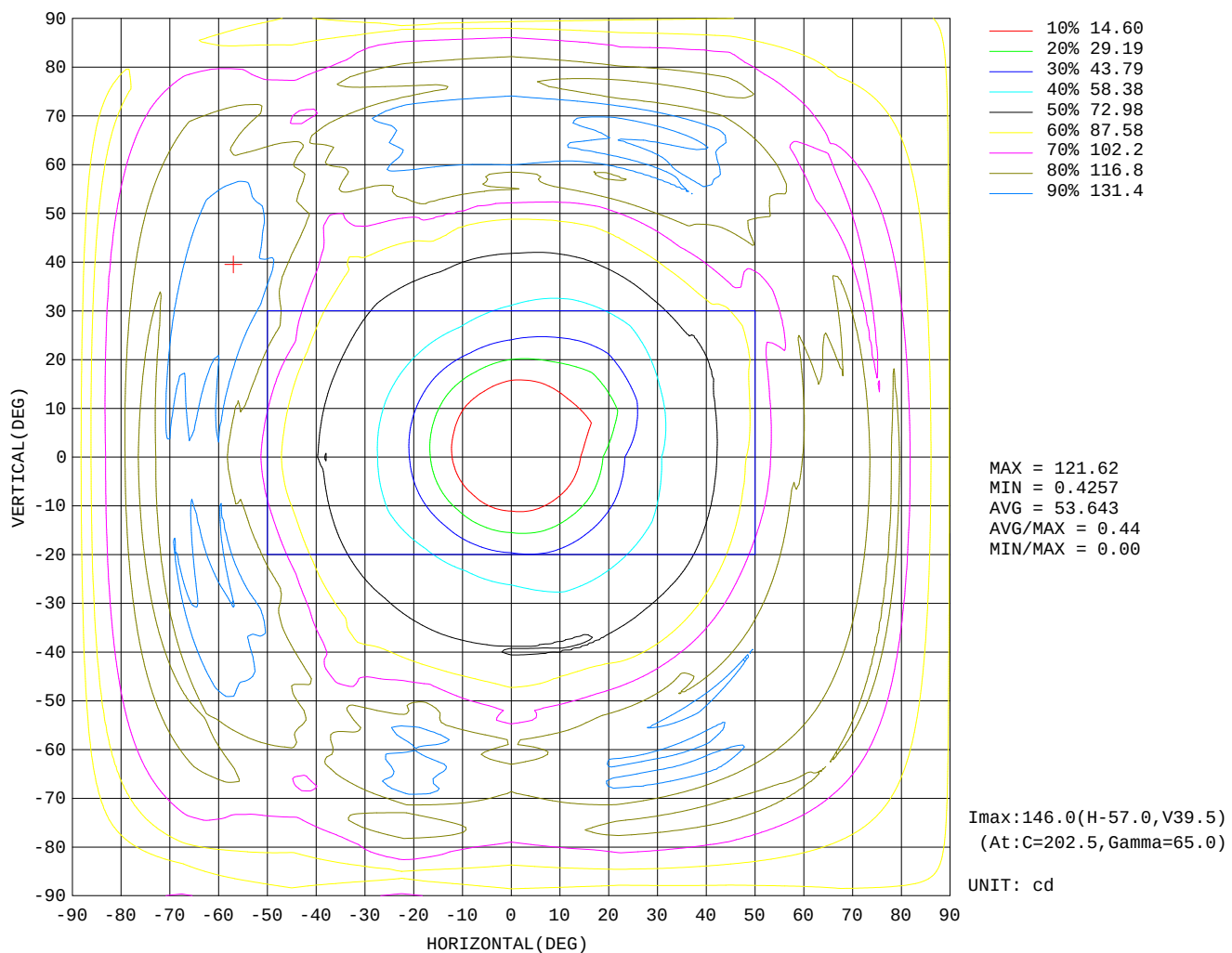
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	5.579	8.500	11.66	12.26	10.17	5.475	3.342	2.777	0- 10	0.3081	0.3081	0.04,0.04
20	35.26	36.95	45.02	47.27	43.53	34.04	29.14	21.76	10- 20	6.204	6.512	0.79,0.79
30	60.91	55.89	62.53	66.10	65.99	59.09	56.71	48.54	20- 30	22.76	29.27	3.57,3.57
40	74.40	67.74	71.89	76.89	77.73	68.12	68.44	69.13	30- 40	40.97	70.24	8.56,8.56
50	97.51	94.52	93.08	96.59	103.8	83.40	94.03	99.61	40- 50	64.04	134.3	16.4,16.4
60	125.4	130.3	111.5	112.1	138.6	103.7	132.6	128.9	50- 60	99.58	233.9	28.5,28.5
70	131.3	129.7	112.1	113.0	138.9	109.3	140.4	136.7	60- 70	125.9	359.8	43.9,43.9
80	122.3	107.1	98.01	99.47	118.8	102.9	125.5	126.9	70- 80	124.6	484.3	59,59
90	94.26	93.79	93.10	96.66	102.9	83.18	90.88	91.11	80- 90	104.4	588.7	71.8,71.8
100	67.22	63.37	62.76	69.72	73.55	68.32	67.83	72.44	90-100	90.94	679.7	82.9,82.9
110	47.48	48.12	45.65	53.13	52.23	51.65	48.52	54.62	100-110	62.38	742.1	90.5,90.5
120	24.68	31.89	24.40	35.11	27.87	34.51	27.44	36.76	110-120	40.66	782.7	95.4,95.4
130	10.97	17.94	10.40	19.59	11.79	19.55	12.46	21.32	120-130	21.02	803.8	98,98
140	5.803	10.34	5.022	10.54	5.896	11.00	6.954	12.91	130-140	9.572	813.3	99.2,99.2
150	4.224	6.207	3.270	6.473	3.551	7.039	3.842	7.299	140-150	4.275	817.6	99.7,99.7
160	3.048	3.483	1.913	3.380	2.008	4.225	2.349	4.575	150-160	1.960	819.6	99.9,99.9
170	1.516	1.134	1.080	1.168	1.247	1.453	1.485	1.665	160-170	0.6380	820.2	100,100
180	0.1327	0.1313	0.1532	0.1414	0.1267	0.1149	0.1759	0.1827	170-180	0.0801	820.3	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:

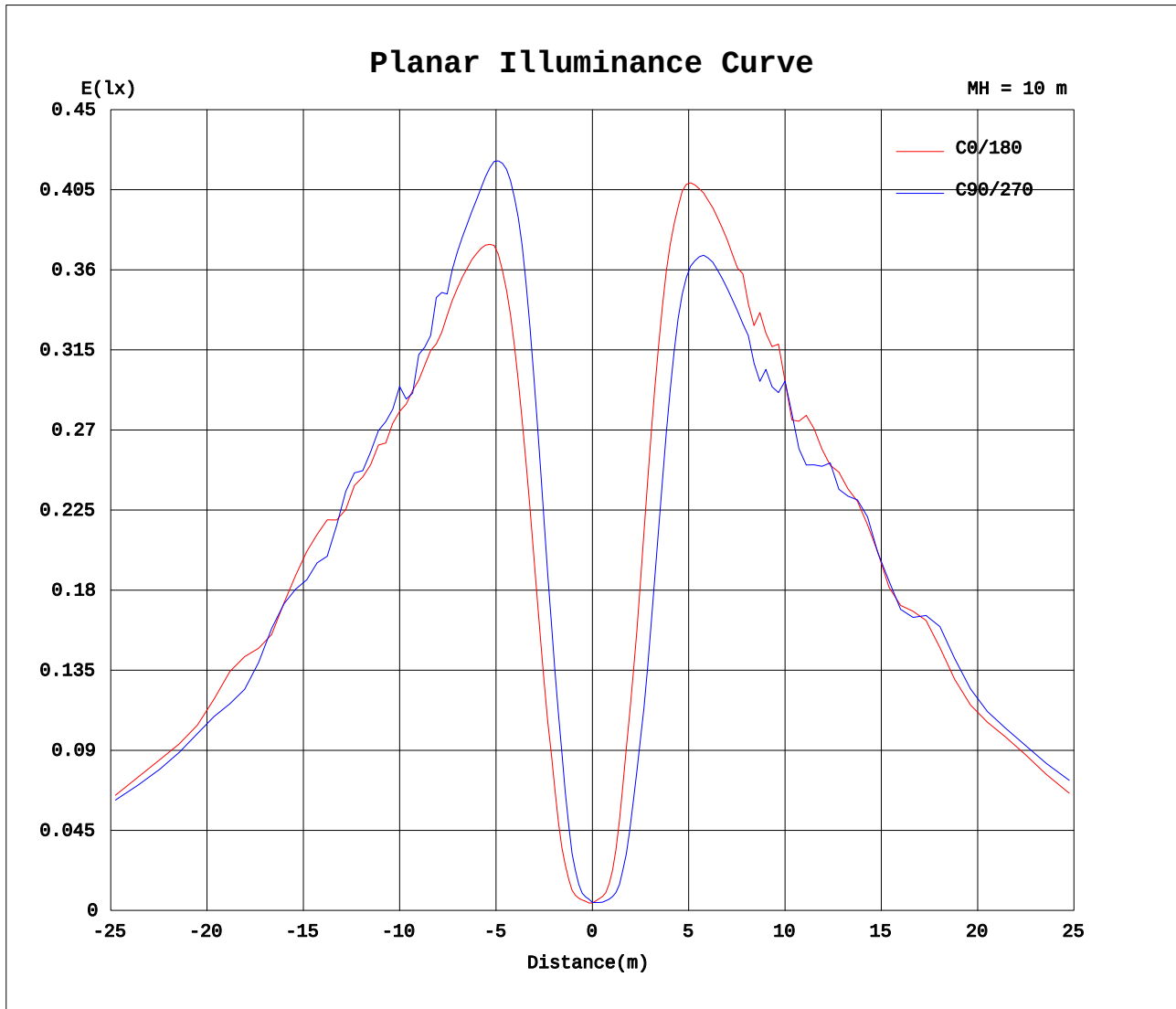
ISOCANDELA DIAGRAM



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



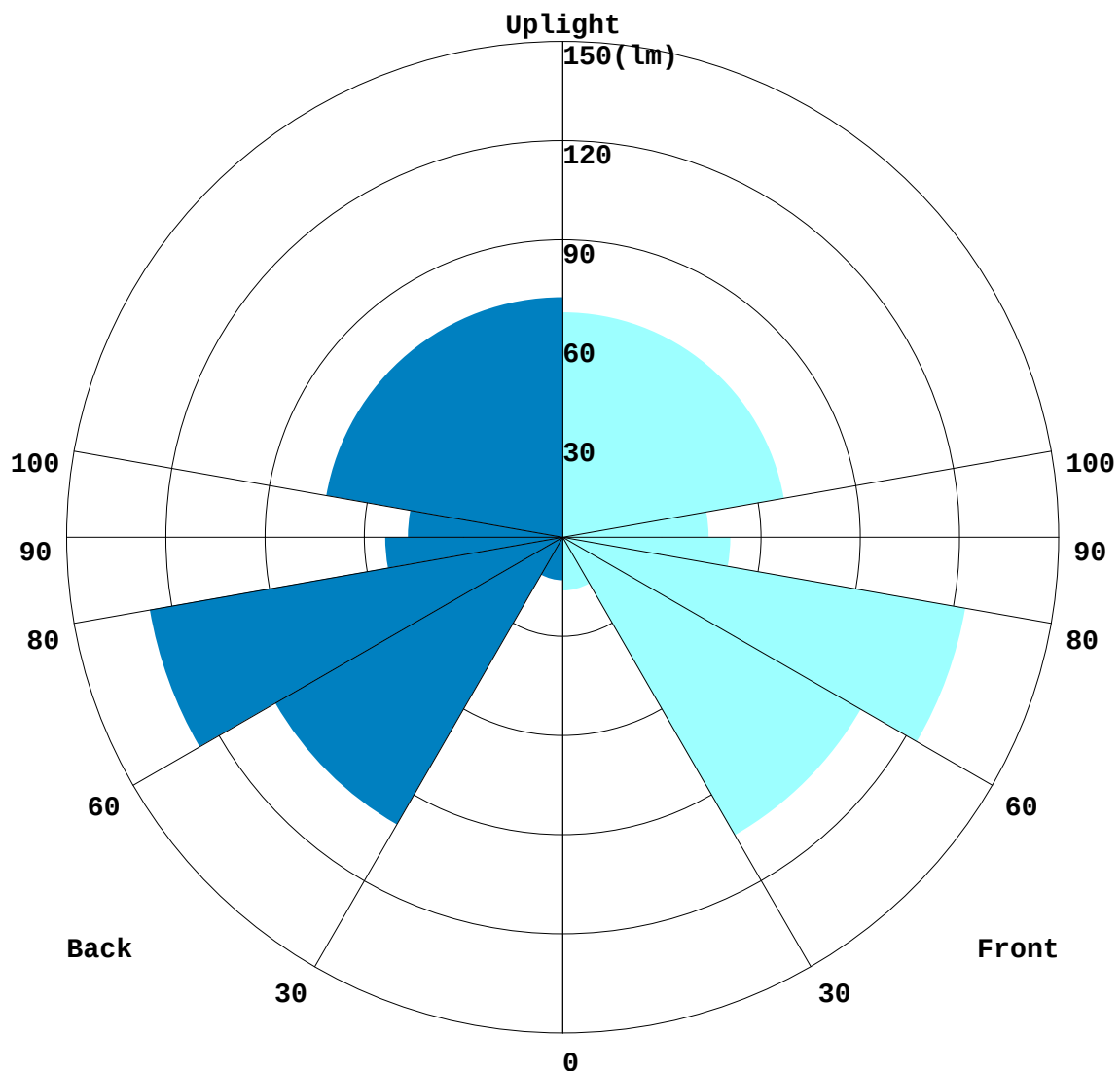
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-10

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:0.1014A P:11.954W PF:0.9836 Freq:59.98Hz Lamp Flux:820.279x1 lm		
NAME: PLTS-12360 12W 3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.1*0.1	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:119.87V I:0.1014A P:11.954W PF:0.9836 Freq:59.98Hz Lamp Flux:820.279x1 lm		
NAME: PLTS-12360 12W 3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.1*0.1	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	16.183	2.0
FM - Front-Medium(30-60)	104.17	12.7
FH - Front-High(60-80)	123.7	15.1
FVH - Front-Very High(80-90)	50.76	6.2
Total Forward Light	406.99	49.6

BL - Back-Low(0-30)	13.09	1.6
BM - Back-Medium(30-60)	100.42	12.2
BH - Back-High(60-80)	126.78	15.5
BVH - Back-Very High(80-90)	53.638	6.5
Total Back Light	413.29	50.4

UL - Uplight-Low(90-100)	90.943	11.1
UH - Uplight-High(100-180)	140.59	17.1
Total Up Light	231.54	28.2

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	293.92	119.36	413.29
Street Side	294.82	112.17	406.99

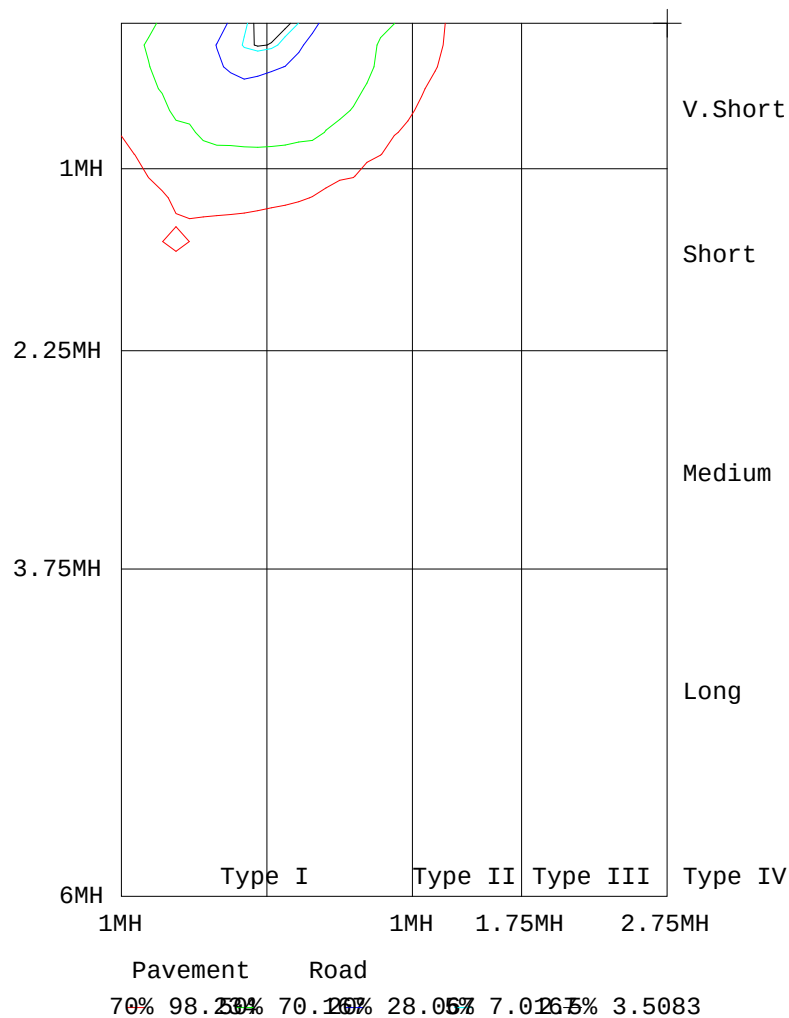
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-10

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:0.1014A P:11.954W PF:0.9836 Freq:59.98Hz Lamp Flux:820.279x1 lm		
NAME: PLTS-12360 12W 3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.1*0.1	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	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46			
5	0.93	1.09	1.51	1.80	2.28	2.25	2.42	1.93	1.63	1.24	0.93	0.74	0.65	0.50	0.58	0.61			
10	5.58	6.74	8.50	9.67	11.7	11.5	12.3	10.7	10.17	7.88	5.48	4.44	3.34	2.52	2.78	3.63			
15	17.8	19.2	21.4	23.1	27.3	27.3	29.0	26.0	25.0	21.5	17.2	14.9	12.6	10.8	11.7	10.5			
20	35.3	35.4	37.0	38.8	45.0	44.5	47.3	43.4	43.5	38.8	34.0	31.7	29.1	25.0	21.8	19.3			
25	51.4	49.3	49.3	50.1	56.4	56.7	59.8	55.5	57.7	53.2	49.1	47.9	46.5	39.6	33.8	33.4			
30	60.9	57.4	55.9	56.0	62.5	62.8	66.1	62.2	66.0	62.0	59.1	57.8	56.7	49.3	48.5	50.3			
35	67.6	62.6	61.9	61.8	67.4	67.9	71.5	68.2	72.9	67.8	65.1	64.3	63.6	57.8	59.2	61.9			
40	74.4	70.0	67.7	69.9	71.9	77.5	76.9	77.9	77.7	76.3	68.1	68.7	68.4	68.0	69.1	67.4			
45	84.3	79.2	78.2	80.4	83.3	80.8	85.6	87.7	89.5	84.4	74.9	82.0	84.1	75.1	83.0	77.0			
50	97.5	97.0	94.5	94.0	93.1	104	96.6	108	104	106	83.4	93.0	94.0	87.7	99.6	83.7			
55	119	110	113	110	104	117	102	121	122	122	94.4	113	117	109	118	98.5			
60	125	132	130	122	112	134	112	136	139	145	104	117	133	111	129	98.5			
65	132	131	127	125	118	135	117	139	137	148	105	127	136	124	138	105			
70	131	127	130	124	112	133	113	135	139	145	109	128	140	122	137	110			
75	111	110	107	108	107	118	108	120	116	127	95.8	111	128	111	126	98.1			
80	122	113	107	104	98.0	108	99.5	113	119	128	103	120	125	119	127	103			
85	101	94.0	86.8	83.1	81.0	86.1	84.6	93.2	101	107	89.9	100	107	98.8	106	90.1			
90	94.3	91.3	93.8	93.1	93.1	101	96.7	104	103	102	83.2	88.5	90.9	86.6	91.1	82.3			
95	77.2	76.7	77.3	75.9	76.1	81.4	83.3	87.0	84.0	87.7	77.2	81.6	83.6	83.7	88.6	77.5			
100	67.2	65.5	63.4	61.4	62.8	64.0	69.7	70.0	73.5	71.7	68.3	68.4	67.8	67.9	72.4	67.7			
105	58.8	57.5	55.8	54.4	55.9	56.7	61.8	61.7	65.1	62.5	59.7	58.1	59.2	58.4	62.7	58.7			
110	47.5	49.2	48.1	46.8	45.6	48.6	53.1	53.1	52.2	53.7	51.6	50.3	48.5	50.5	54.6	51.0			
115	35.7	39.6	40.0	38.9	34.9	39.9	44.1	44.1	41.1	44.4	43.0	41.9	38.0	41.8	45.6	41.9			
120	24.7	30.2	31.9	30.1	24.4	30.6	35.1	34.1	27.9	34.0	34.5	32.8	27.4	31.9	36.8	33.0			
125	17.2	22.7	24.3	22.4	16.2	22.1	26.7	25.5	19.5	24.8	26.4	24.8	18.9	23.5	28.5	25.2			
130	11.0	15.7	17.9	16.3	10.4	15.9	19.6	18.3	11.8	17.8	19.5	18.4	12.5	17.3	21.3	18.3			
135	8.91	12.1	13.5	11.6	6.69	10.9	14.3	12.9	7.50	12.2	14.7	13.9	9.66	12.8	16.9	14.2			
140	5.80	8.78	10.3	8.48	5.02	7.79	10.5	9.23	5.90	9.21	11.0	9.98	6.95	9.81	12.9	10.7			
145	4.77	6.14	7.63	6.25	3.95	5.73	8.16	6.80	4.26	6.57	8.44	7.29	4.53	6.38	9.36	7.96			
150	4.22	4.93	6.21	4.98	3.27	4.40	6.47	5.29	3.55	5.30	7.04	5.96	3.84	4.79	7.30	6.16			
155	3.48	4.04	4.98	3.83	2.27	3.16	4.94	3.72	2.40	4.28	5.87	4.86	3.12	4.11	6.11	5.18			
160	3.05	3.19	3.48	2.79	1.91	2.35	3.38	2.69	2.01	3.22	4.23	3.44	2.35	2.89	4.57	3.99			
165	2.41	2.23	2.05	1.76	1.52	1.64	2.11	1.80	1.63	2.23	2.63	2.32	1.88	2.17	2.91	2.69			
170	1.52	1.31	1.13	1.06	1.08	1.03	1.17	1.10	1.25	1.42	1.45	1.53	1.49	1.50	1.67	1.56			
175	0.70	0.52	0.48	0.40	0.37	0.32	0.44	0.43	0.50	0.67	0.67	0.76	0.79	0.80	0.81	0.78			
180	0.13	0.12	0.13	0.14	0.15	0.15	0.14	0.14	0.13	0.12	0.11	0.17	0.18	0.18	0.18	0.17			

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: