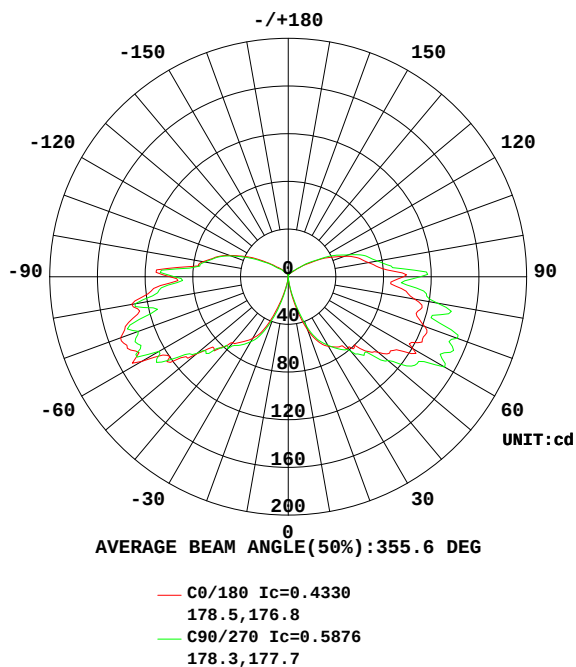
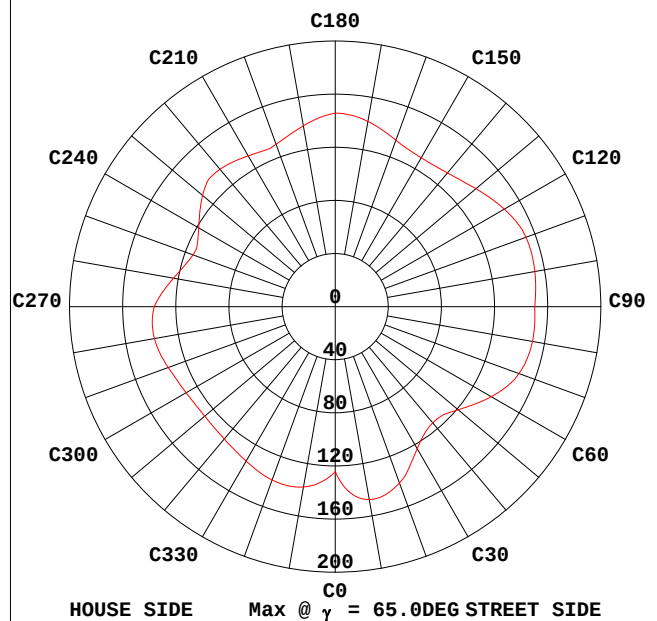


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.88V I:0.0999A P:11.781W PF:0.9838 Freq:59.98Hz Lamp Flux:861.07x1 lm		
NAME: PLTS-12360 12W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.1*0.1	Shielding Angle:

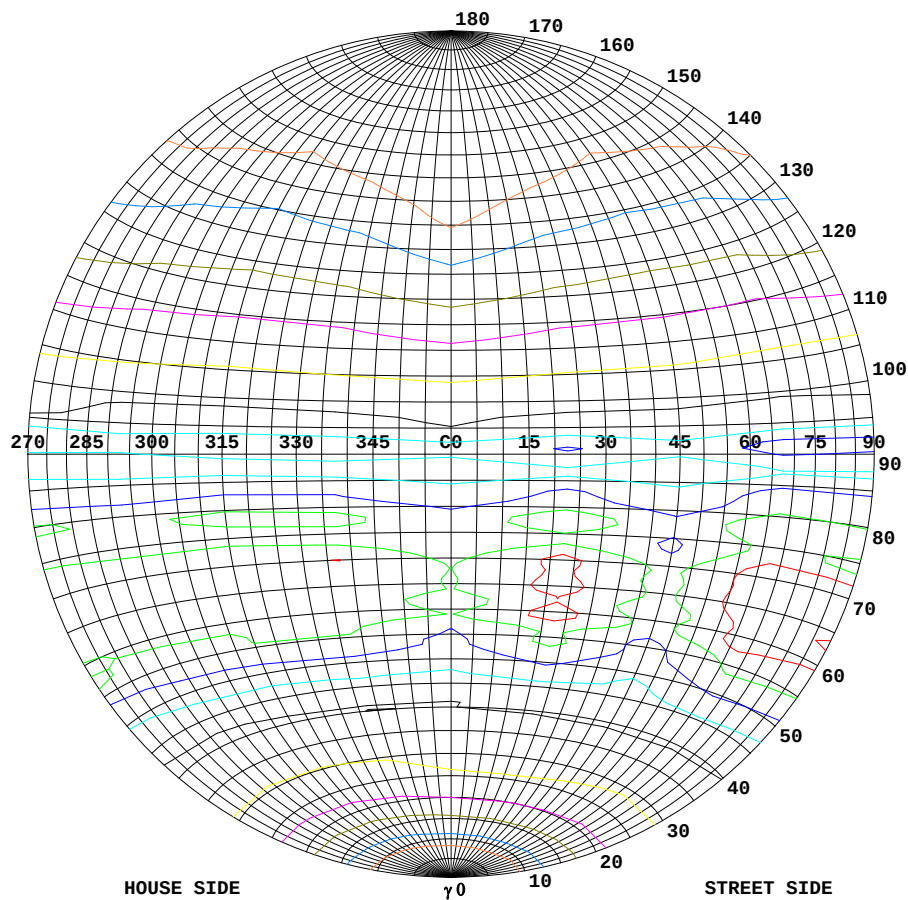
DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.09 lm/W			
MODEL		I _{max} (cd)	152.2	η street_up(%)	14.3
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	36.3
RATED VOLTAGE(V)		TOTAL FLUX(lm)	861.1	η house_up(%)	14.1
NOMINAL FLUX(lm)	861.07	MAXIMUM @(C,γ)	113,65.0	η house_down(%)	35.3
LAMPS INSIDE	1	η up(%)	28.4	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	71.6	SLI	19.204

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:

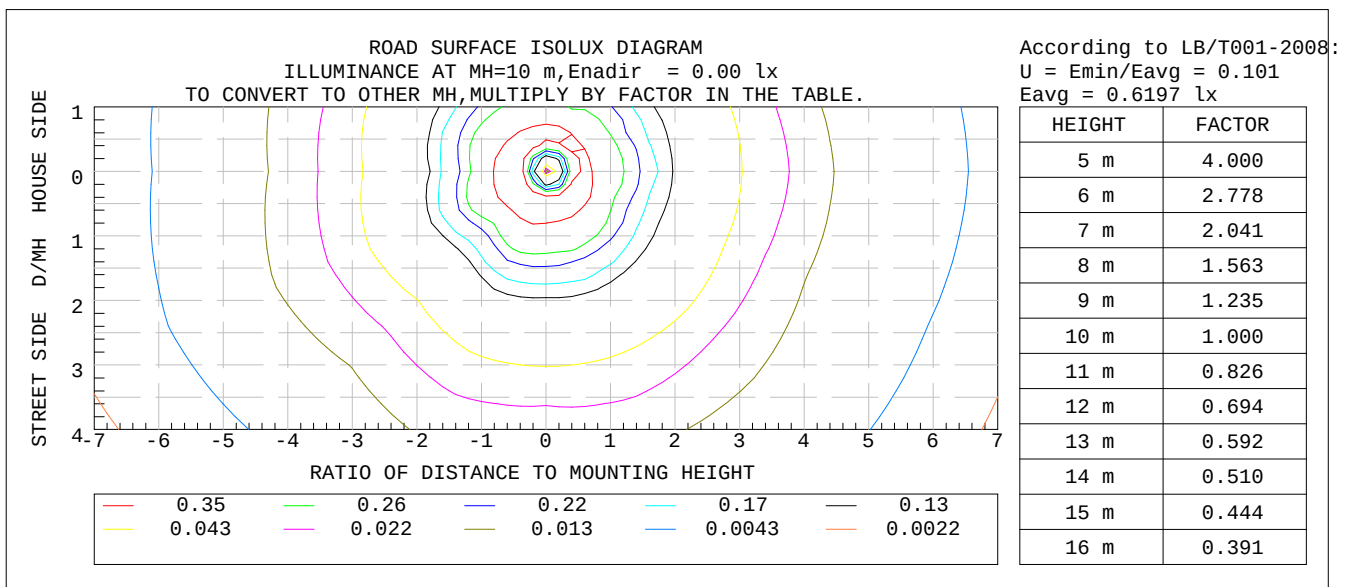
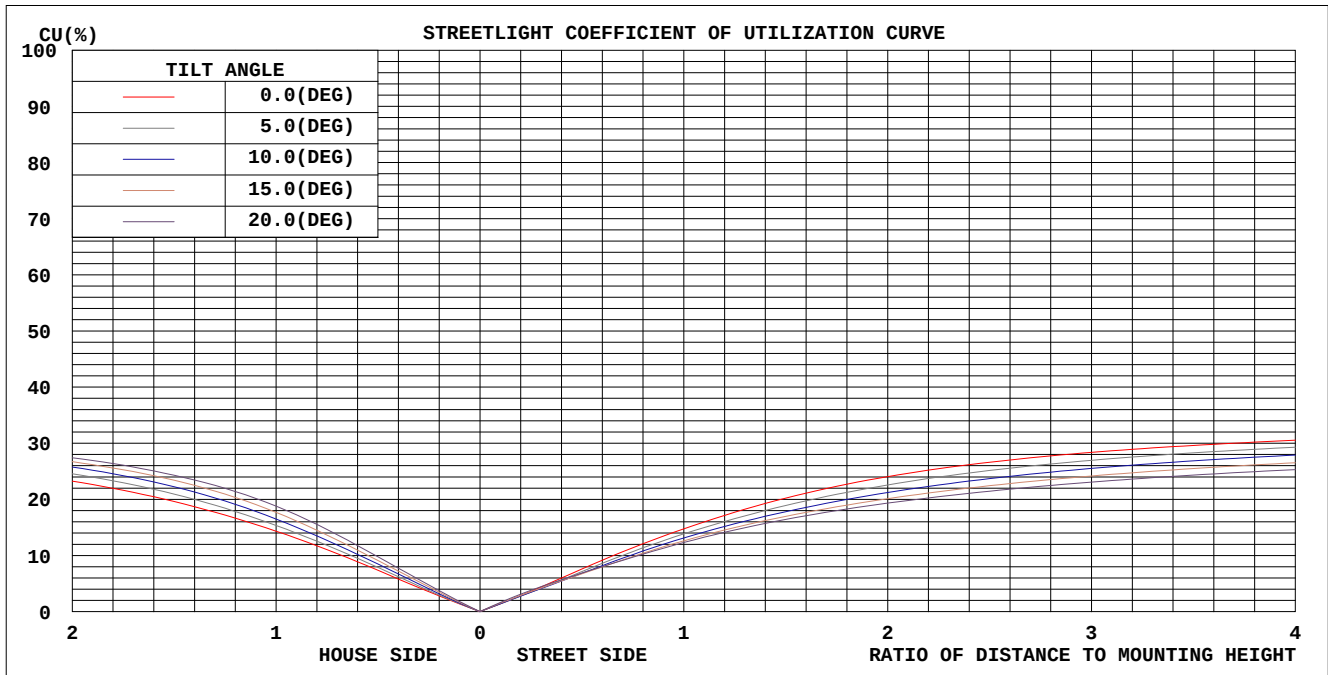
IES:Type V - Very Short
 CIE:Broad - Intermediate
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:154.9cd/klm
 Max.At90:128.5cd/klm
 Max.80-90:154.9cd/klm
 NRB 5101:Semi limited[15.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	152
90%	137
80%	122
70%	107
60%	91
50%	76
40%	61
30%	46
20%	30
10%	15
5%	8

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:

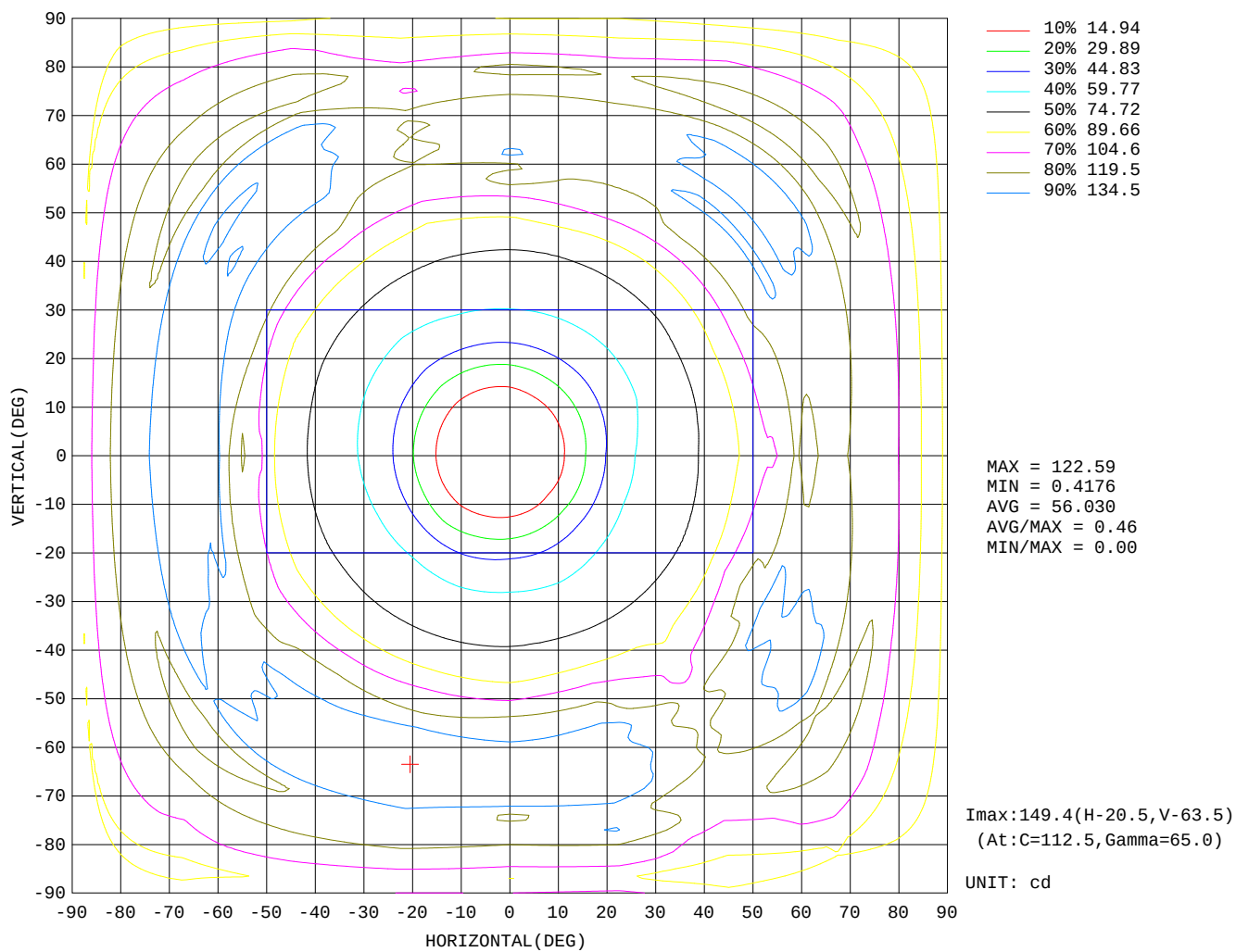
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	11.99	11.33	9.534	5.100	3.739	3.582	5.959	8.893	0- 10	0.3095	0.3095	0.04,0.04
20	47.22	44.07	42.99	32.35	31.41	29.21	36.42	38.34	10- 20	6.472	6.782	0.79,0.79
30	67.33	62.98	66.32	59.85	59.73	55.23	63.05	58.31	20- 30	24.02	30.80	3.58,3.58
40	78.21	74.60	81.43	71.94	71.93	69.30	78.73	70.21	30- 40	42.40	73.20	8.5,8.5
50	98.58	92.15	109.3	97.40	101.0	96.34	99.87	96.88	40- 50	66.00	139.2	16.2,16.2
60	120.9	111.9	151.5	130.7	142.1	125.2	125.4	127.4	50- 60	103.6	242.8	28.2,28.2
70	121.8	113.5	151.1	136.6	149.6	134.1	134.0	131.4	60- 70	132.4	375.2	43.6,43.6
80	107.4	99.38	126.8	123.3	133.4	125.0	130.2	116.5	70- 80	131.4	506.6	58.8,58.8
90	96.67	91.62	110.7	97.75	99.14	89.70	95.51	92.43	80- 90	109.9	616.4	71.6,71.6
100	68.51	68.58	76.20	72.47	72.67	73.37	71.22	67.75	90-100	96.01	712.4	82.7,82.7
110	50.46	52.59	54.15	53.71	52.56	54.12	51.14	51.72	100-110	65.61	778.1	90.4,90.4
120	27.45	35.11	28.92	35.97	29.43	36.58	26.75	34.73	110-120	43.02	821.1	95.4,95.4
130	11.61	19.69	12.30	20.57	13.52	21.27	11.46	19.69	120-130	22.38	843.5	98,98
140	5.468	10.57	6.344	11.77	7.367	13.05	6.064	11.21	130-140	10.24	853.7	99.1,99.1
150	3.523	6.429	3.780	7.505	4.094	7.361	4.325	6.558	140-150	4.543	858.2	99.7,99.7
160	2.107	3.380	2.110	4.431	2.468	4.572	3.087	3.761	150-160	2.068	860.3	99.9,99.9
170	1.219	1.196	1.396	1.529	1.520	1.625	1.573	1.224	160-170	0.6730	861.0	100,100
180	0.1346	0.1333	0.1622	0.1587	0.1404	0.1499	0.1683	0.1532	170-180	0.0862	861.1	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:

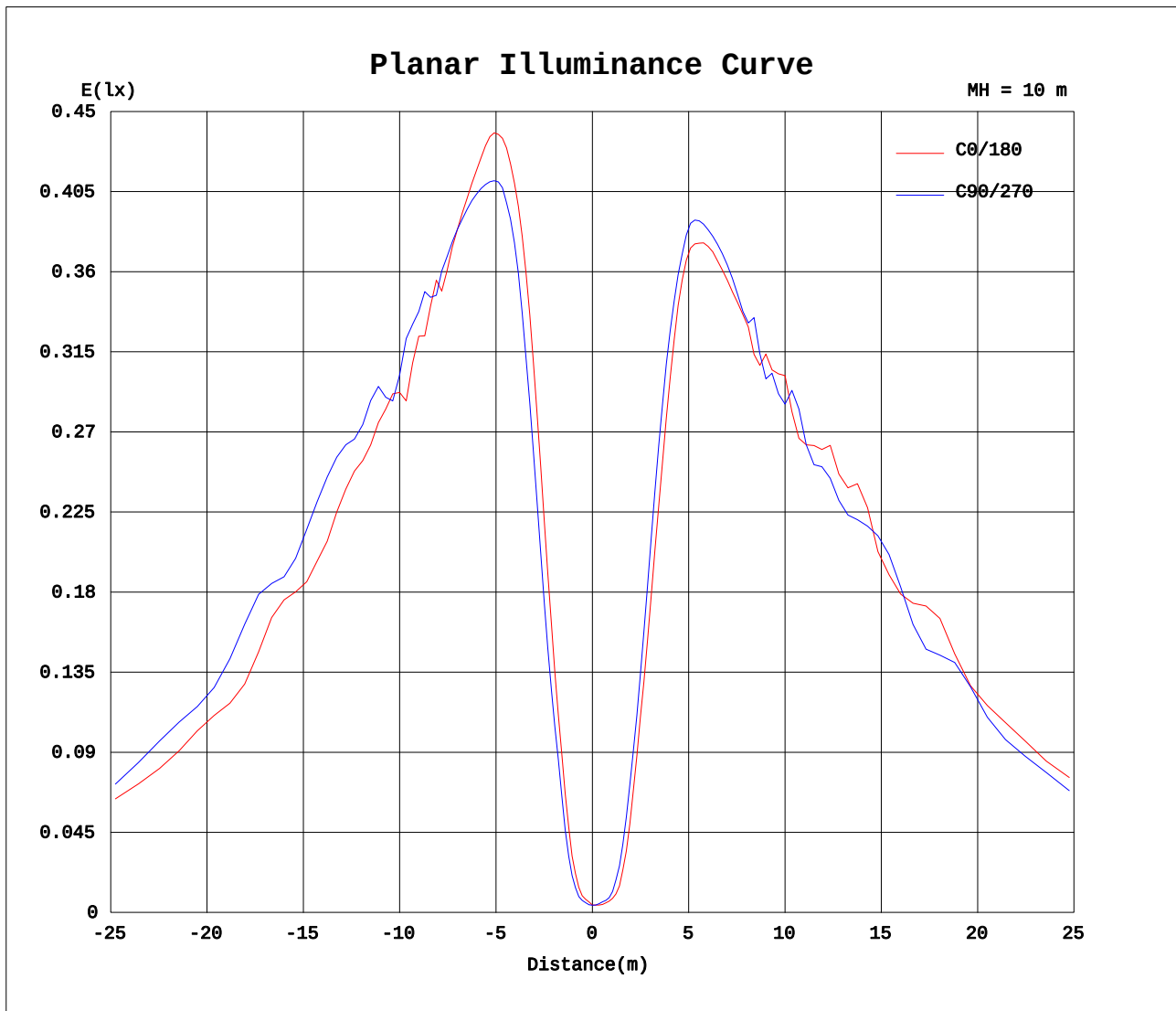
ISOCANDELA DIAGRAM



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



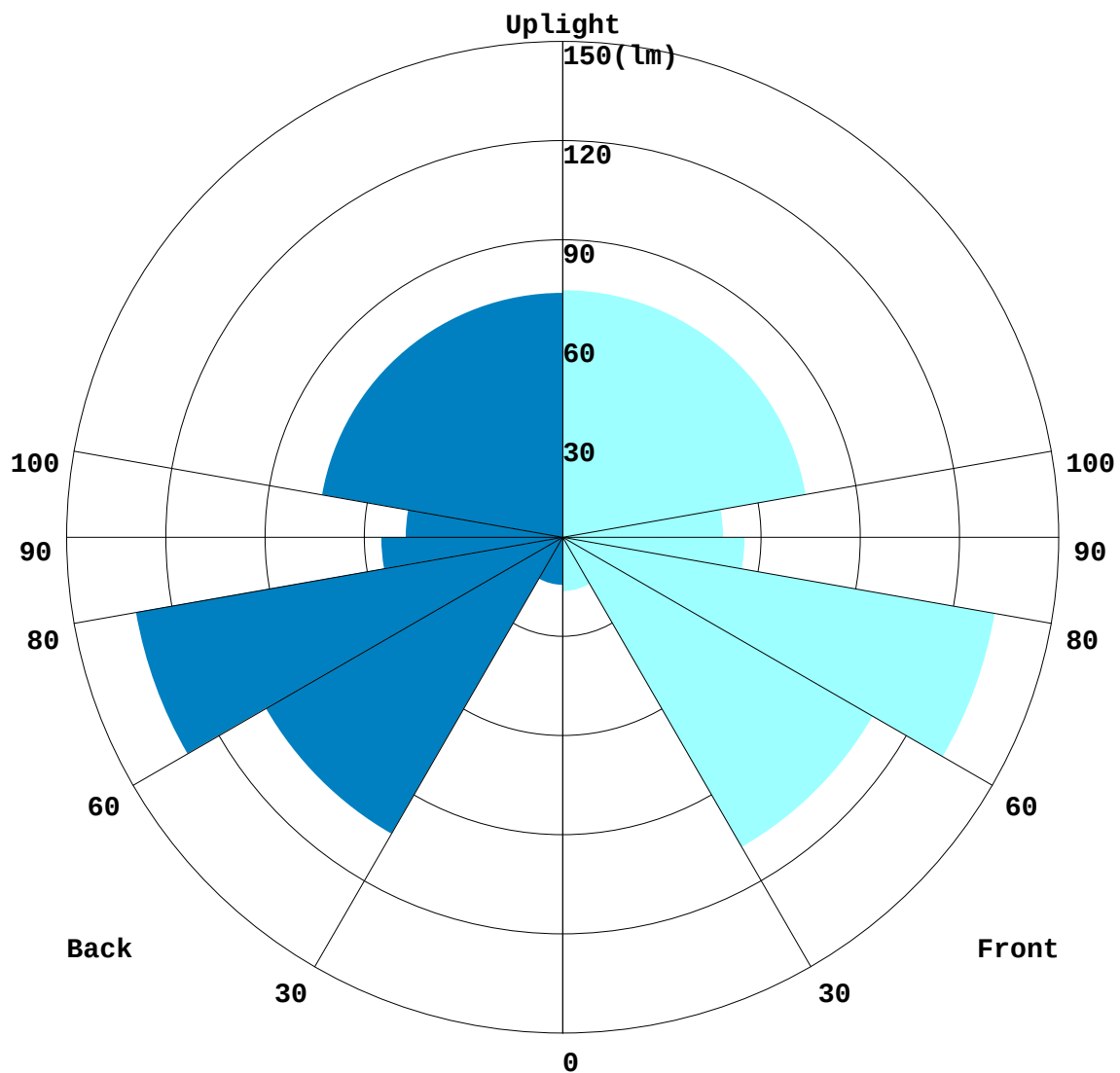
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-10

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:119.88V I:0.0999A P:11.781W PF:0.9838 Freq:59.98Hz Lamp Flux:861.07x1 lm		
NAME: PLTS-12360 12W 4000K	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:119.88V I:0.0999A P:11.781W PF:0.9838 Freq:59.98Hz Lamp Flux:861.07x1 lm		
NAME: PLTS-12360 12W 4000K	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)	16.36	1.9
FM - Front-Medium(30-60)	108.34	12.6
FH - Front-High(60-80)	132.79	15.4
FVH - Front-Very High(80-90)	55.037	6.4
Total Forward Light	435.8	50.6

BL - Back-Low(0-30)	14.445	1.7
BM - Back-Medium(30-60)	103.61	12.0
BH - Back-High(60-80)	131.04	15.2
BVH - Back-Very High(80-90)	54.817	6.4
Total Back Light	425.27	49.4

UL - Uplight-Low(90-100)	96.006	11.1
UH - Uplight-High(100-180)	148.63	17.3
Total Up Light	244.63	28.4

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	303.92	121.35	425.27
Street Side	312.52	123.28	435.8

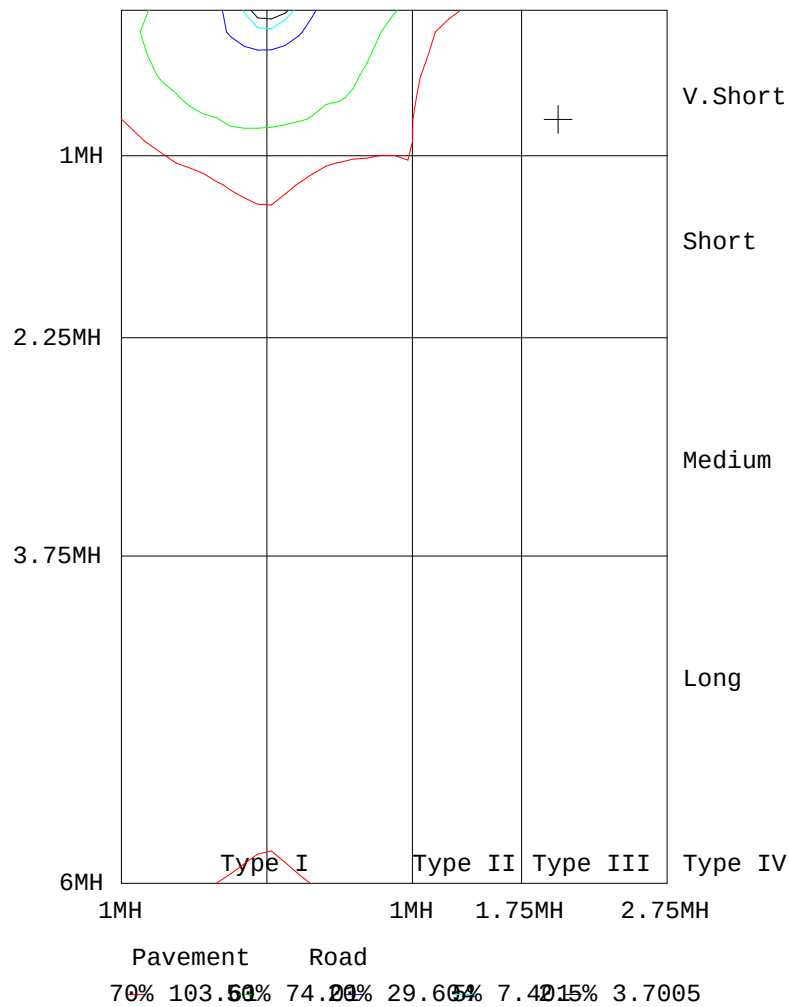
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-10

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:119.88V I:0.0999A P:11.781W PF:0.9838 Freq:59.98Hz Lamp Flux:861.07x1 lm		
NAME: PLTS-12360 12W 4000K	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	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44			
5	2.29	2.13	2.03	1.67	1.50	1.04	0.81	0.75	0.67	0.56	0.65	0.71	0.90	1.21	1.59	2.07			
10	12.0	11.2	11.3	9.38	9.53	7.07	5.10	4.44	3.74	3.51	3.58	4.40	5.96	7.71	8.89	10.9			
15	28.6	26.9	26.9	24.7	23.7	20.2	16.1	15.6	14.8	13.6	13.6	15.1	18.5	21.0	22.2	26.0			
20	47.2	44.3	44.1	41.6	43.0	37.8	32.4	33.1	31.4	28.8	29.2	31.3	36.4	38.3	38.3	43.3			
25	60.2	57.2	56.5	53.9	57.9	53.3	50.0	50.9	49.2	44.7	44.9	47.0	52.6	52.4	51.1	55.9			
30	67.3	63.6	63.0	61.1	66.3	62.6	59.8	61.5	59.7	54.4	55.2	57.3	63.1	61.0	58.3	62.7			
35	72.0	68.9	68.2	67.4	74.0	69.0	66.4	68.9	66.7	61.5	61.9	63.5	70.1	66.0	64.4	68.9			
40	78.2	76.4	74.6	78.2	81.4	78.1	71.9	74.1	71.9	69.6	69.3	67.9	78.7	70.2	70.2	77.5			
45	85.2	82.8	79.7	84.1	90.5	85.4	82.3	86.0	88.0	78.0	80.5	78.9	85.6	84.2	81.3	85.8			
50	98.6	105	92.1	107	109	105	97.4	94.4	101	90.6	96.3	87.6	99.9	99.2	96.9	103			
55	108	121	99.2	122	130	121	116	116	124	112	115	104	122	116	117	123			
60	121	138	112	139	151	148	131	125	142	116	125	109	125	133	127	138			
65	124	138	115	145	150	152	134	132	146	129	135	113	136	132	129	138			
70	122	136	114	143	151	149	137	134	150	127	134	116	134	130	131	139			
75	112	117	104	124	125	131	116	116	135	114	123	104	119	115	111	118			
80	107	114	99.4	122	127	131	123	124	133	122	125	109	130	120	116	119			
85	90.4	92.7	85.2	101	108	110	104	105	113	101	105	93.7	107	99.8	95.9	97.0			
90	96.7	101	91.6	105	111	107	97.8	96.1	99.1	90.3	89.7	84.1	95.5	91.6	92.4	100			
95	79.3	83.2	80.4	87.4	88.0	90.5	85.0	87.8	92.0	85.5	87.8	79.6	83.2	81.6	81.1	84.7			
100	68.5	66.9	68.6	71.1	76.2	75.6	72.5	77.1	72.7	70.5	73.4	70.1	71.2	70.5	67.8	69.7			
105	61.0	59.2	60.9	62.6	67.5	65.4	62.2	64.1	63.3	60.4	62.1	60.1	62.5	61.5	59.6	61.8			
110	50.5	50.9	52.6	54.1	54.2	56.4	53.7	55.7	52.6	52.5	54.1	52.3	51.1	53.0	51.7	53.4			
115	38.6	42.1	43.8	45.0	42.5	46.8	44.7	46.4	40.5	43.6	45.3	43.0	38.5	43.1	43.2	44.5			
120	27.5	32.6	35.1	34.9	28.9	36.1	36.0	36.4	29.4	33.5	36.6	33.7	26.8	33.2	34.7	34.7			
125	18.2	23.8	26.8	26.0	20.3	26.5	27.7	27.6	20.2	24.8	28.4	25.8	18.6	25.1	26.6	25.7			
130	11.6	17.2	19.7	18.8	12.3	19.1	20.6	20.7	13.5	18.4	21.3	18.7	11.5	17.5	19.7	18.7			
135	7.43	11.8	14.4	13.1	7.99	13.4	15.6	15.7	10.10	13.7	16.9	14.6	9.30	13.4	14.9	13.2			
140	5.47	8.37	10.6	9.48	6.34	10.16	11.8	11.1	7.37	10.3	13.0	11.1	6.06	9.64	11.2	9.65			
145	4.30	6.15	8.16	6.85	4.44	7.07	8.98	8.11	4.78	6.91	9.45	8.08	4.69	6.78	8.18	6.97			
150	3.52	4.68	6.43	5.35	3.78	5.87	7.50	6.60	4.09	5.18	7.36	6.30	4.32	5.34	6.56	5.53			
155	2.45	3.44	4.92	3.75	2.54	4.76	6.23	5.32	3.29	4.42	6.13	5.18	3.50	4.32	5.28	4.21			
160	2.11	2.57	3.38	2.75	2.11	3.47	4.43	3.76	2.47	3.09	4.57	4.02	3.09	3.42	3.76	3.12			
165	1.70	1.80	2.13	1.87	1.73	2.38	2.72	2.54	1.96	2.24	2.90	2.69	2.46	2.36	2.22	2.03			
170	1.22	1.16	1.20	1.19	1.40	1.46	1.53	1.68	1.52	1.53	1.62	1.55	1.57	1.46	1.22	1.23			
175	0.45	0.39	0.48	0.50	0.69	0.68	0.75	0.82	0.76	0.78	0.77	0.78	0.79	0.71	0.55	0.50			
180	0.13	0.13	0.13	0.13	0.16	0.16	0.16	0.16	0.14	0.15	0.15	0.17	0.17	0.16	0.15	0.13			

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: