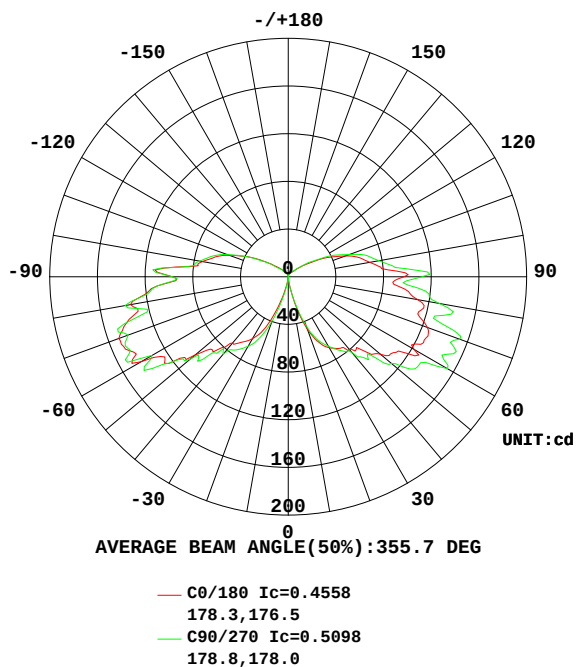
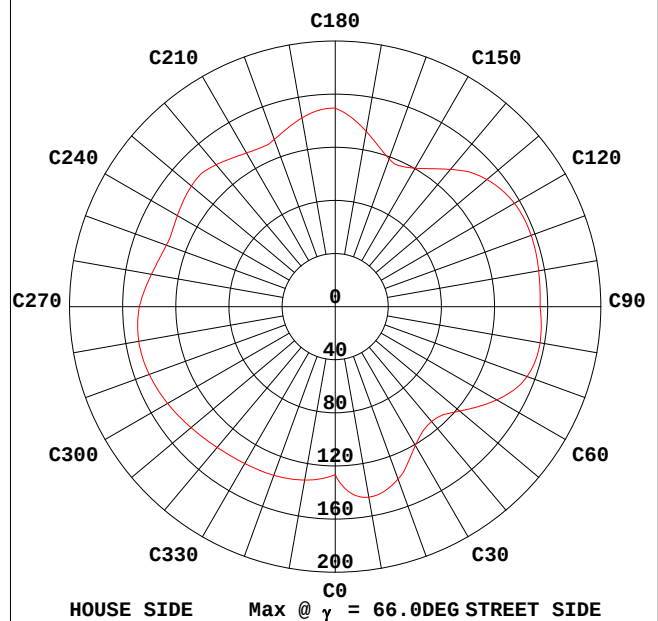


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.89V I:0.1026A P:12.092W PF:0.9835 Freq:59.98Hz Lamp Flux:886.117x1 lm		
NAME: PLTS-12360 12W 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.1*0.1	Shielding Angle:

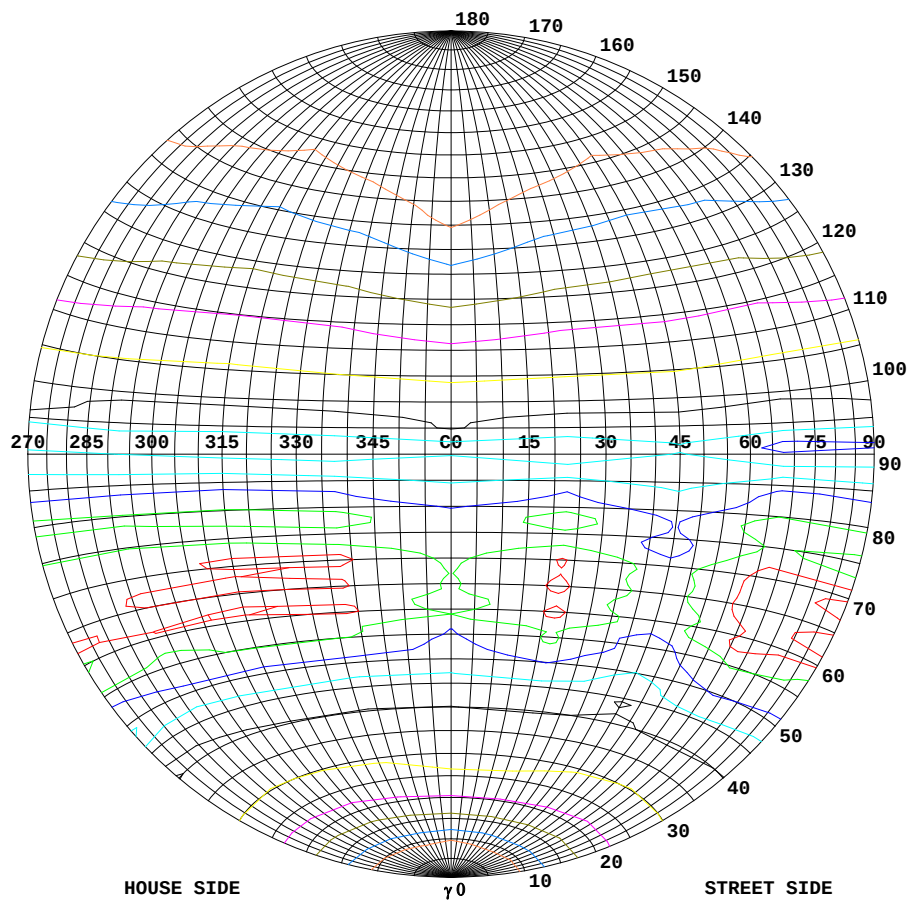
DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.28 lm/W			
MODEL		I _{max} (cd)	157.0	η street_up(%)	14.1
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	35.5
RATED VOLTAGE(V)		TOTAL FLUX(lm)	886.1	η house_up(%)	14.3
NOMINAL FLUX(lm)	886.117	MAXIMUM @(C,γ)	113,66.0	η house_down(%)	36.2
LAMPS INSIDE	1	η up(%)	28.3	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	71.7	SLI	19.278

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:

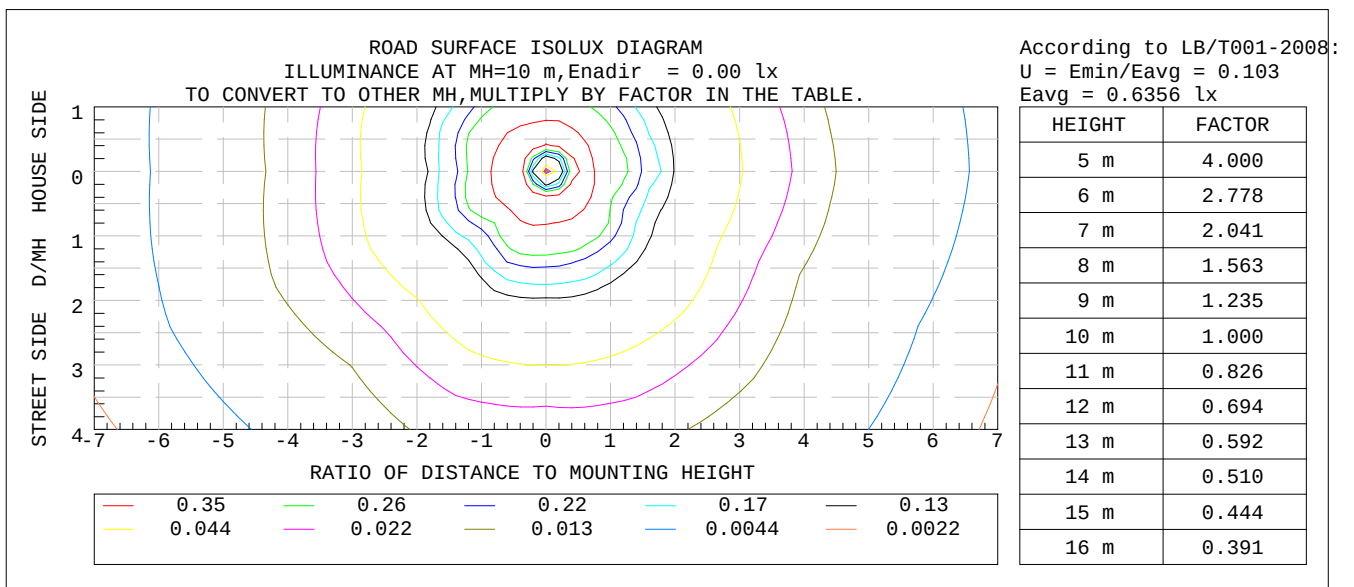
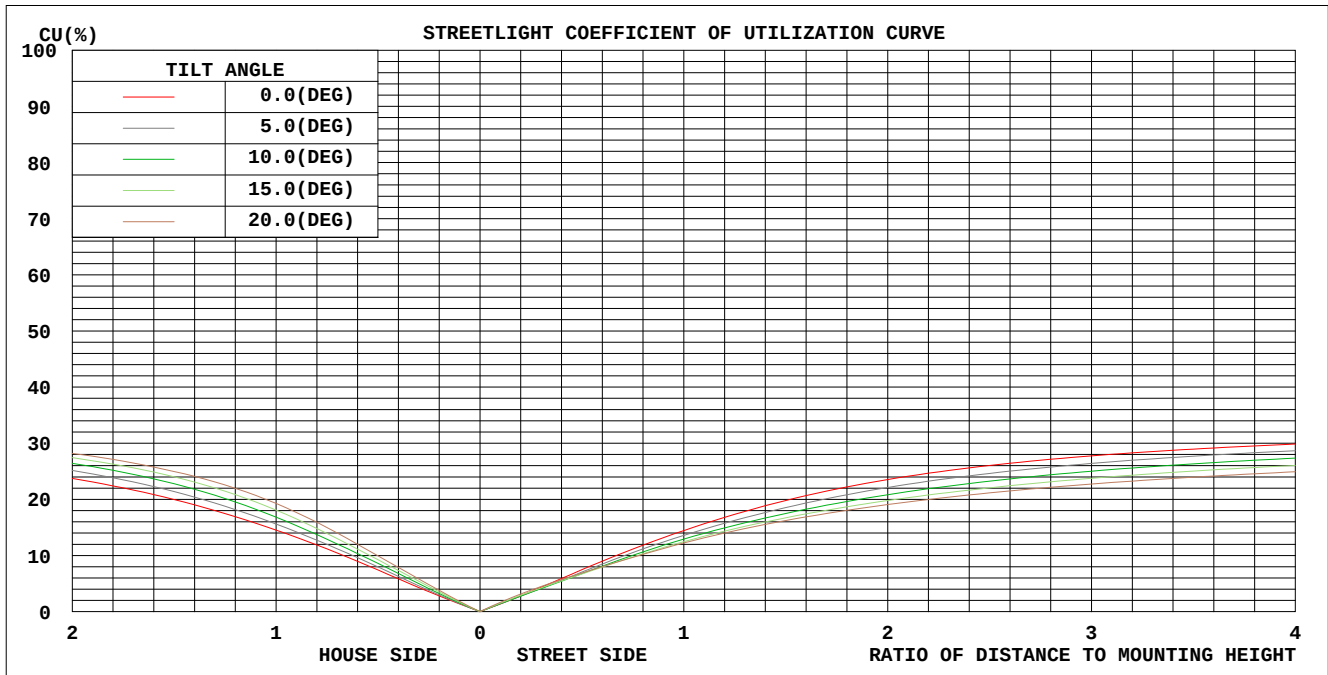
IES:Type V - Very Short
 CIE:Broad - Intermediate
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:156.8cd/klm
 Max.At90:126.4cd/klm
 Max.80-90:156.8cd/klm
 NRB 5101:Semi limited[15.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	157
90%	141
80%	126
70%	110
60%	94
50%	79
40%	63
30%	47
20%	31
10%	16
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:

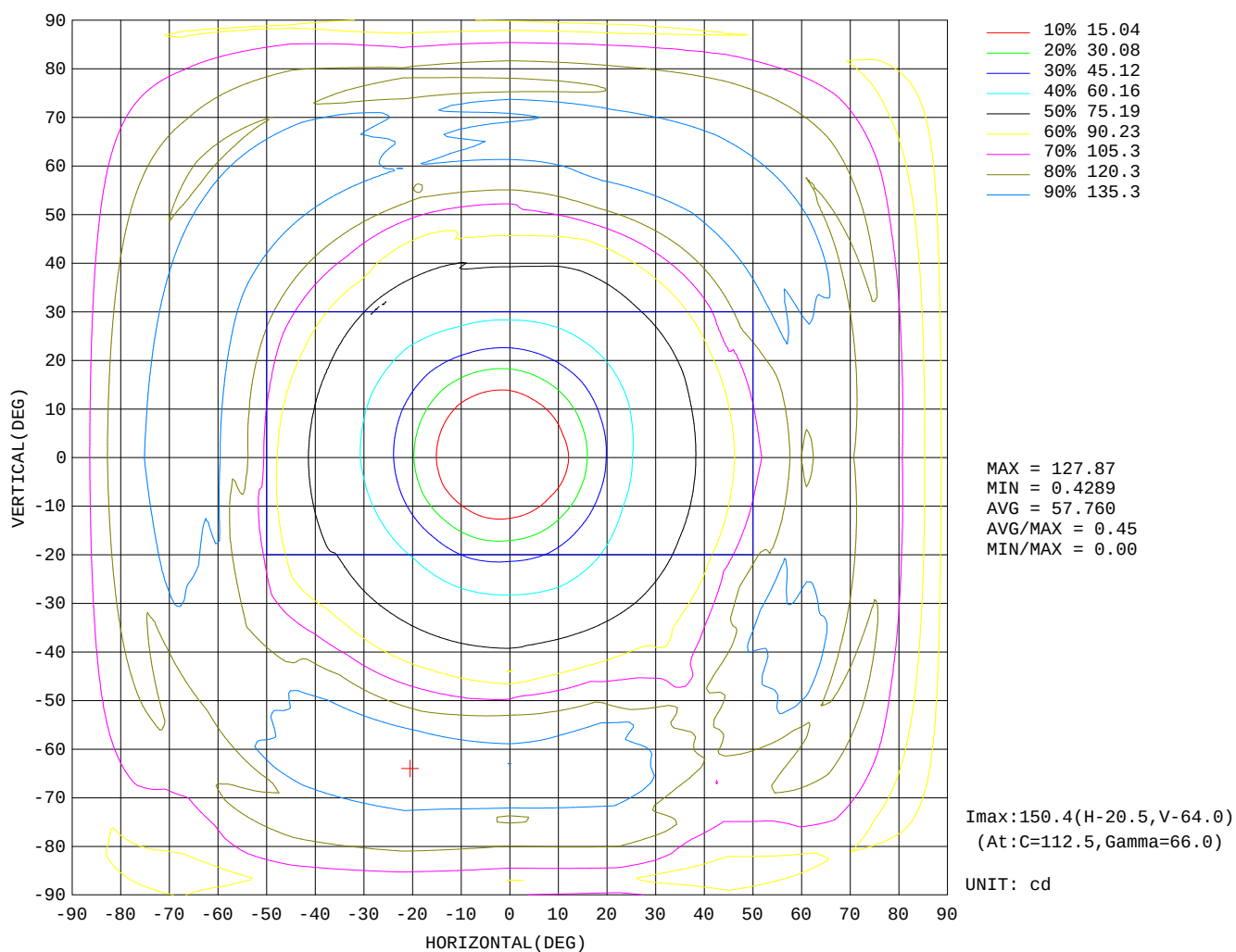
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	8.905	10.73	9.878	5.620	3.761	3.930	6.507	9.180	0- 10	0.3042	0.3042	0.03,0.03
20	46.55	43.80	43.27	35.08	31.50	31.47	39.18	40.23	10- 20	6.564	6.868	0.78,0.78
30	68.69	63.38	67.35	61.55	59.95	58.91	67.33	61.81	20- 30	24.59	31.46	3.55,3.55
40	79.68	76.37	83.02	74.09	72.59	74.95	85.05	75.45	30- 40	43.64	75.09	8.47,8.47
50	101.2	93.08	113.0	99.15	102.5	101.3	107.8	103.1	40- 50	68.33	143.4	16.2,16.2
60	121.9	113.7	154.3	135.9	142.7	130.2	132.0	133.6	50- 60	107.0	250.4	28.3,28.3
70	124.2	116.0	153.3	140.8	151.3	139.3	142.9	138.9	60- 70	136.3	386.7	43.6,43.6
80	110.1	101.0	128.2	128.4	134.3	131.1	139.0	123.7	70- 80	135.0	521.7	58.9,58.9
90	97.07	92.56	112.0	98.93	97.31	90.99	97.15	95.81	80- 90	113.2	634.9	71.7,71.7
100	69.67	69.84	77.46	74.91	73.41	78.31	75.72	71.66	90-100	98.49	733.4	82.8,82.8
110	51.20	53.32	54.90	55.37	52.89	57.33	54.41	54.82	100-110	67.37	800.8	90.4,90.4
120	27.79	35.56	29.33	37.03	29.61	38.90	28.42	36.81	110-120	44.17	845.0	95.4,95.4
130	11.79	19.96	12.53	21.22	13.59	22.66	12.02	20.91	120-130	23.01	868.0	98,98
140	5.560	10.79	6.566	12.12	7.487	14.09	6.403	12.01	130-140	10.54	878.5	99.1,99.1
150	3.600	6.560	3.932	7.766	4.089	7.747	4.567	6.984	140-150	4.700	883.2	99.7,99.7
160	2.170	3.414	2.212	4.549	2.491	4.886	3.231	4.031	150-160	2.131	885.3	99.9,99.9
170	1.230	1.206	1.430	1.545	1.538	1.725	1.693	1.347	160-170	0.6945	886.0	100,100
180	0.1384	0.1351	0.1580	0.1720	0.1442	0.1520	0.1701	0.1554	170-180	0.0886	886.1	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:

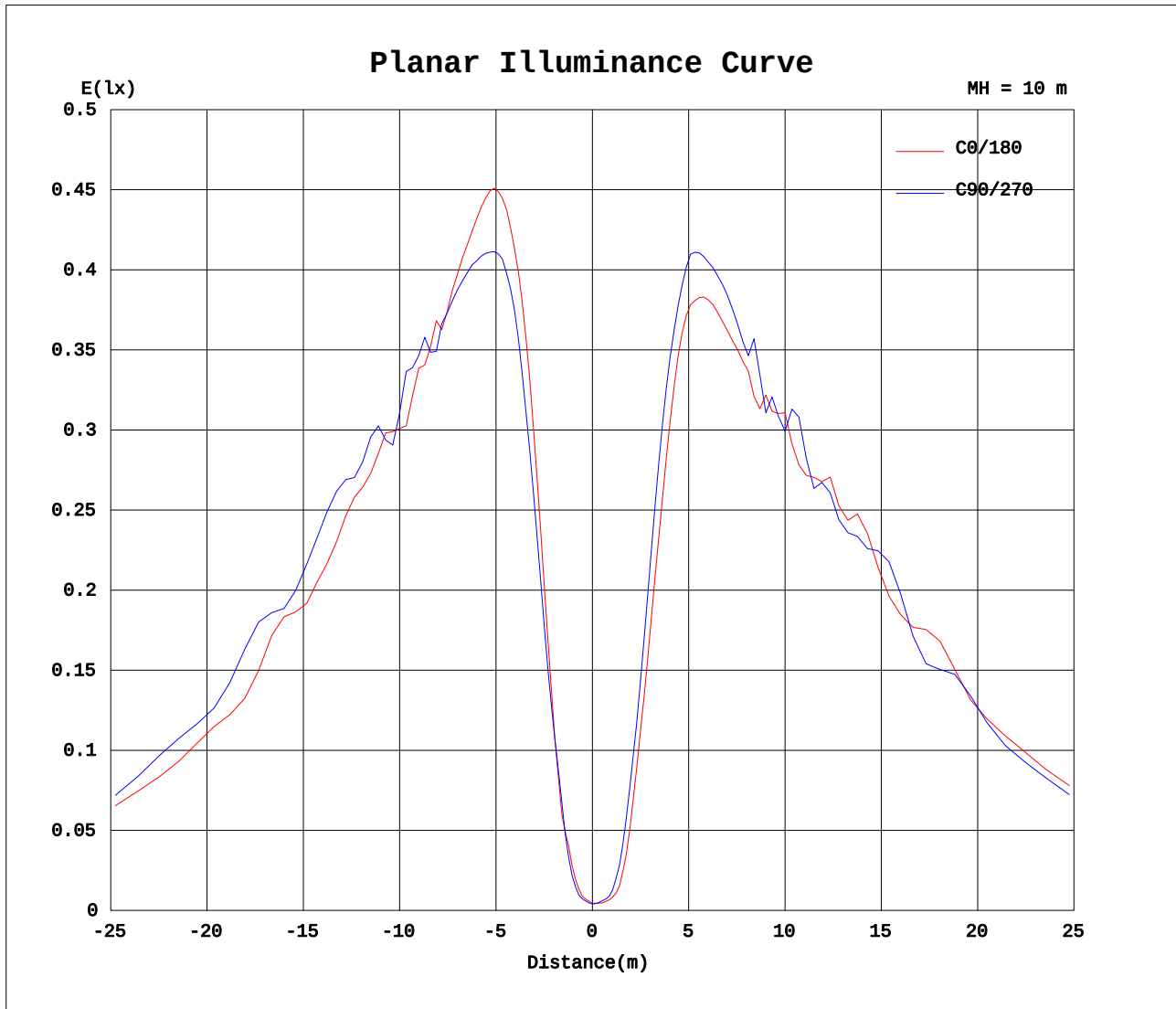
ISOCANDELA DIAGRAM



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



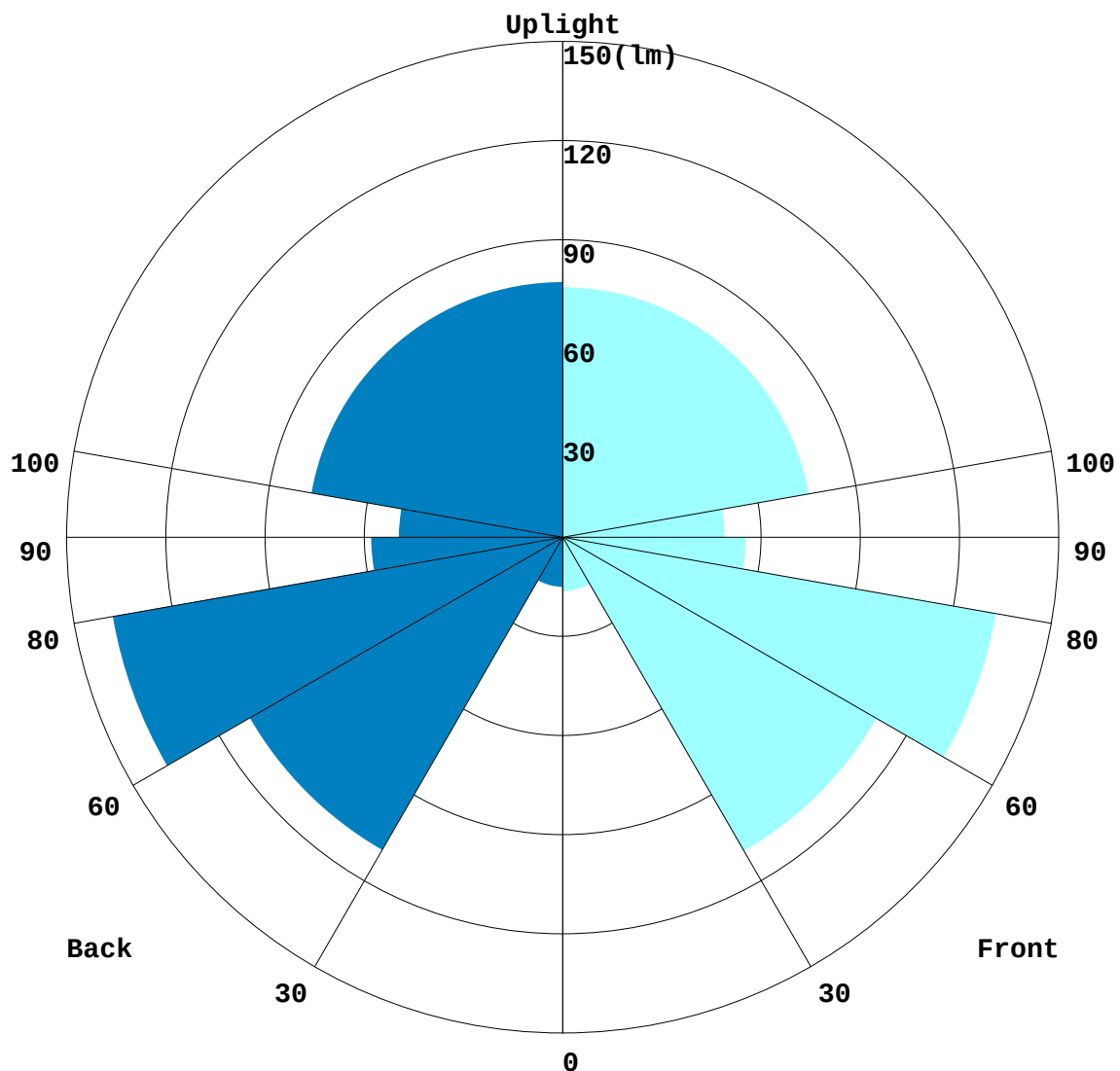
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-10

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:119.89V I:0.1026A P:12.092W PF:0.9835 Freq:59.98Hz Lamp Flux:886.117x1 lm		
NAME: PLTS-12360 12W 5000K	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:119.89V I:0.1026A P:12.092W PF:0.9835 Freq:59.98Hz Lamp Flux:886.117x1 lm		
NAME: PLTS-12360 12W 5000K	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)	16.387	1.8
FM - Front-Medium(30-60)	109.67	12.4
FH - Front-High(60-80)	133.1	15.0
FVH - Front-Very High(80-90)	55.373	6.2
Total Forward Light	439.09	49.6

BL - Back-Low(0-30)	15.07	1.7
BM - Back-Medium(30-60)	109.28	12.3
BH - Back-High(60-80)	138.2	15.6
BVH - Back-Very High(80-90)	57.861	6.5
Total Back Light	447.02	50.4

UL - Uplight-Low(90-100)	98.487	11.1
UH - Uplight-High(100-180)	152.7	17.2
Total Up Light	251.19	28.3

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	320.41	126.62	447.02
Street Side	314.52	124.57	439.09

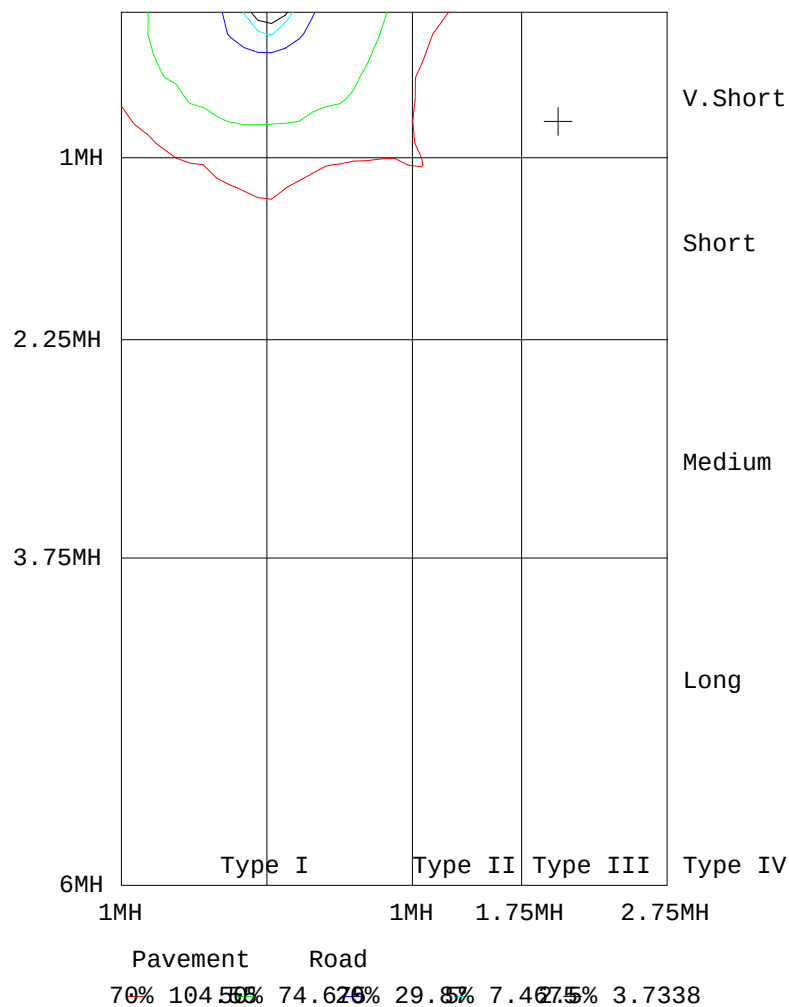
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-10

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:0.1026A P:12.092W PF:0.9835 Freq:59.98Hz Lamp Flux:886.117x1 lm		
NAME: PLTS-12360 12W 5000K	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	2.03	1.97	2.11	1.83	1.63	1.18	0.94	0.76	0.69	0.57	0.68	0.77	0.97	1.30	1.57	1.90			
10	8.91	9.47	10.7	10.2	9.88	7.43	5.62	4.20	3.76	3.57	3.93	4.97	6.51	8.33	9.18	9.83			
15	26.7	25.2	26.0	24.9	24.4	20.9	17.8	14.8	14.9	13.8	14.6	17.0	20.0	22.6	23.2	24.6			
20	46.6	43.1	43.8	42.2	43.3	39.0	35.1	31.3	31.5	29.2	31.5	34.8	39.2	40.9	40.2	42.2			
25	60.7	56.3	56.5	55.2	58.5	55.2	51.5	48.2	49.3	45.0	48.0	51.8	56.2	55.9	53.8	54.9			
30	68.7	63.0	63.4	63.4	67.4	64.9	61.6	58.4	60.0	55.1	58.9	63.2	67.3	65.1	61.8	61.5			
35	73.4	68.3	69.3	70.6	75.5	72.0	68.6	65.7	67.0	62.3	66.0	69.8	74.9	70.6	68.1	67.6			
40	79.7	75.2	76.4	82.4	83.0	81.7	74.1	71.7	72.6	69.6	75.0	74.7	85.0	74.6	75.4	74.2			
45	86.5	83.9	79.9	89.8	94.1	89.3	85.4	79.3	89.4	79.9	84.0	89.3	90.7	92.6	84.5	84.4			
50	101	104	93.1	113	113	109	99.2	86.9	103	94.9	101	101	108	108	103	101			
55	110	120	101	128	132	127	120	102	127	113	120	121	128	130	123	120			
60	122	136	114	145	154	151	136	109	143	121	130	128	132	147	134	138			
65	126	136	117	152	153	156	140	116	147	132	143	133	146	147	137	136			
70	124	134	116	149	153	154	141	118	151	129	139	133	143	145	139	138			
75	113	115	106	129	127	136	122	103	138	120	131	122	131	130	118	115			
80	110	113	101	127	128	136	128	110	134	123	131	125	139	132	124	116			
85	93.0	92.3	86.5	106	109	115	108	94.0	115	103	111	106	114	111	103	94.9			
90	97.1	98.9	92.6	110	112	108	98.9	85.8	97.3	88.5	91.0	90.4	97.2	98.4	95.8	97.0			
95	78.6	82.4	81.5	91.9	90.1	94.6	89.0	83.7	94.6	88.8	95.5	89.6	92.1	88.3	86.4	83.0			
100	69.7	66.3	69.8	74.2	77.5	78.4	74.9	73.3	73.4	71.2	78.3	77.1	75.7	76.0	71.7	67.9			
105	62.0	58.6	61.8	65.3	68.6	67.9	64.1	61.0	63.9	61.1	65.7	65.9	66.5	65.9	63.2	60.1			
110	51.2	50.4	53.3	56.3	54.9	58.5	55.4	53.1	52.9	53.2	57.3	57.4	54.4	57.0	54.8	52.0			
115	39.2	41.6	44.4	46.8	43.1	48.6	46.1	44.3	40.8	44.2	48.1	47.1	40.9	46.4	45.8	43.3			
120	27.8	32.2	35.6	36.2	29.3	37.5	37.0	34.7	29.6	34.1	38.9	37.0	28.4	35.8	36.8	33.7			
125	18.4	23.5	27.1	27.0	20.6	27.6	28.5	26.3	20.3	25.3	30.2	28.4	19.7	27.2	28.3	25.0			
130	11.8	17.0	20.0	19.5	12.5	20.0	21.2	19.6	13.6	18.8	22.7	20.5	12.0	19.0	20.9	18.2			
135	7.58	11.7	14.6	13.6	8.14	14.1	16.2	14.6	10.10	14.1	17.7	16.2	9.51	14.7	15.8	12.8			
140	5.56	8.33	10.8	9.82	6.57	10.8	12.1	10.4	7.49	10.7	14.1	12.4	6.40	10.6	12.0	9.37			
145	4.40	6.14	8.33	7.10	4.58	7.52	9.27	7.63	4.80	7.26	10.1	8.94	4.87	7.41	8.75	6.79			
150	3.60	4.68	6.56	5.58	3.93	6.32	7.77	6.19	4.09	5.35	7.75	6.75	4.57	5.80	6.98	5.37			
155	2.53	3.44	4.98	3.91	2.66	5.14	6.43	4.95	3.31	4.55	6.47	5.58	3.66	4.71	5.62	4.06			
160	2.17	2.55	3.41	2.85	2.21	3.72	4.55	3.48	2.49	3.20	4.89	4.34	3.23	3.75	4.03	3.03			
165	1.73	1.75	2.16	1.92	1.79	2.50	2.79	2.35	1.98	2.31	3.11	2.93	2.63	2.61	2.39	2.01			
170	1.23	1.14	1.21	1.20	1.43	1.51	1.55	1.56	1.54	1.57	1.73	1.69	1.69	1.59	1.35	1.24			
175	0.43	0.37	0.49	0.49	0.68	0.67	0.75	0.76	0.77	0.81	0.82	0.85	0.83	0.78	0.61	0.53			
180	0.14	0.13	0.14	0.14	0.16	0.15	0.17	0.16	0.14	0.15	0.15	0.17	0.17	0.17	0.16	0.15			

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: