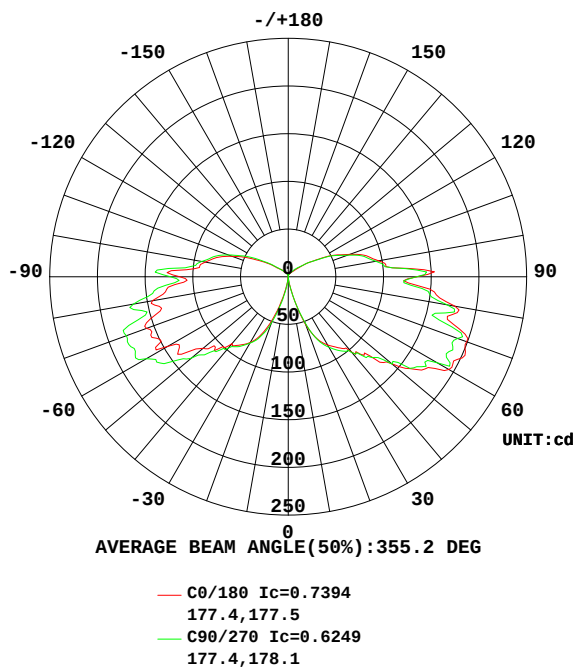
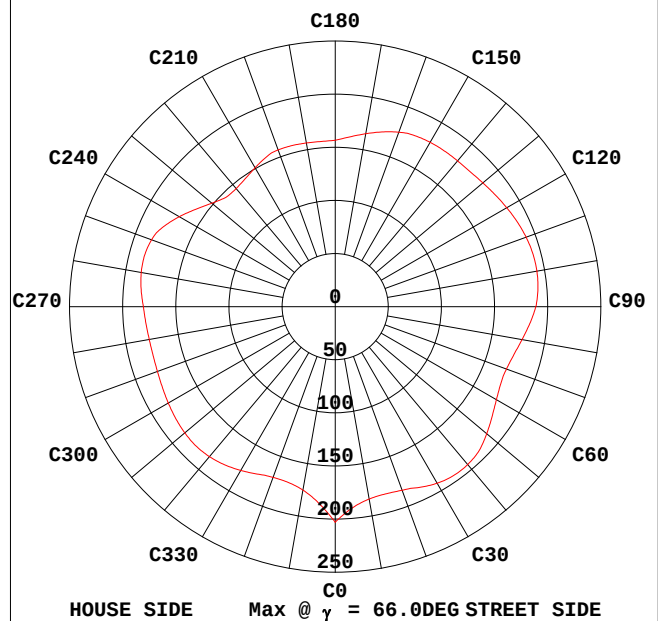


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.88V I:0.1379A P:16.398W PF:0.9919 Freq:59.98Hz Lamp Flux:1131.35x1 lm		
NAME: PLTS-12360 16W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.1*0.1	Shielding Angle:

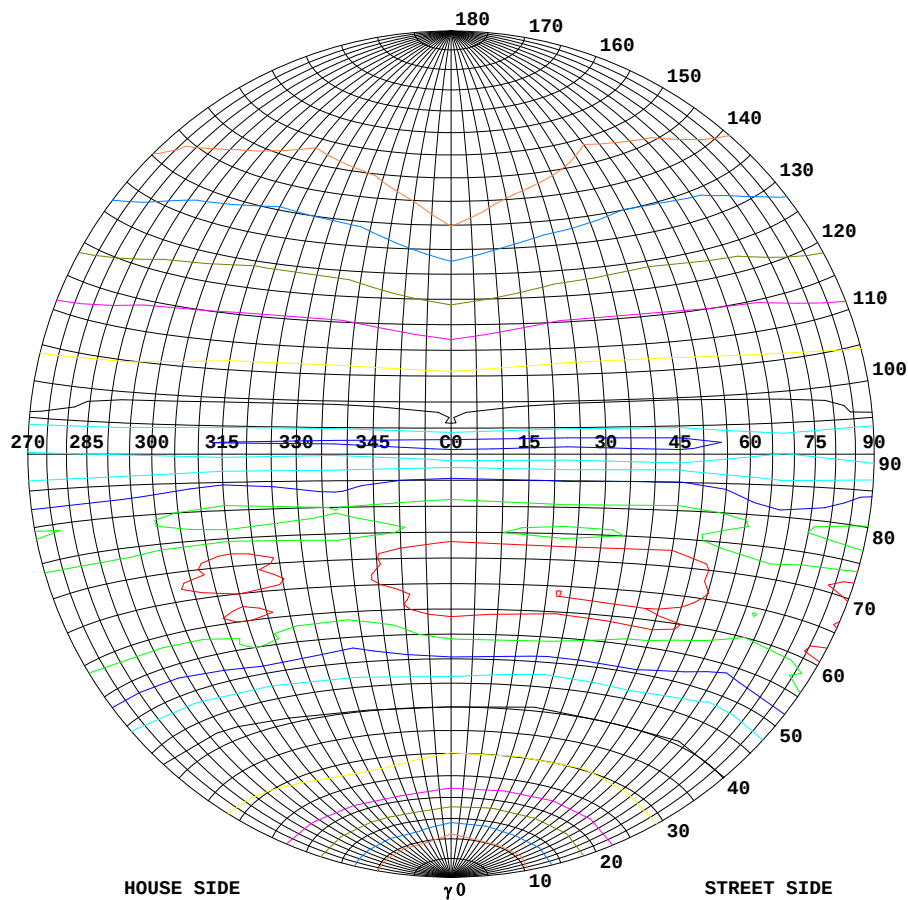
DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.99 lm/W			
MODEL		Imax(cd)	202.9	η street_up(%)	14.4
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	36.9
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1131	η house_up(%)	14.0
NOMINAL FLUX(lm)	1131.35	MAXIMUM @(C, γ)	0,66.0	η house_down(%)	34.7
LAMPS INSIDE	1	η up(%)	28.4	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	71.6	SLI	20.093

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:2022-05-11

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:

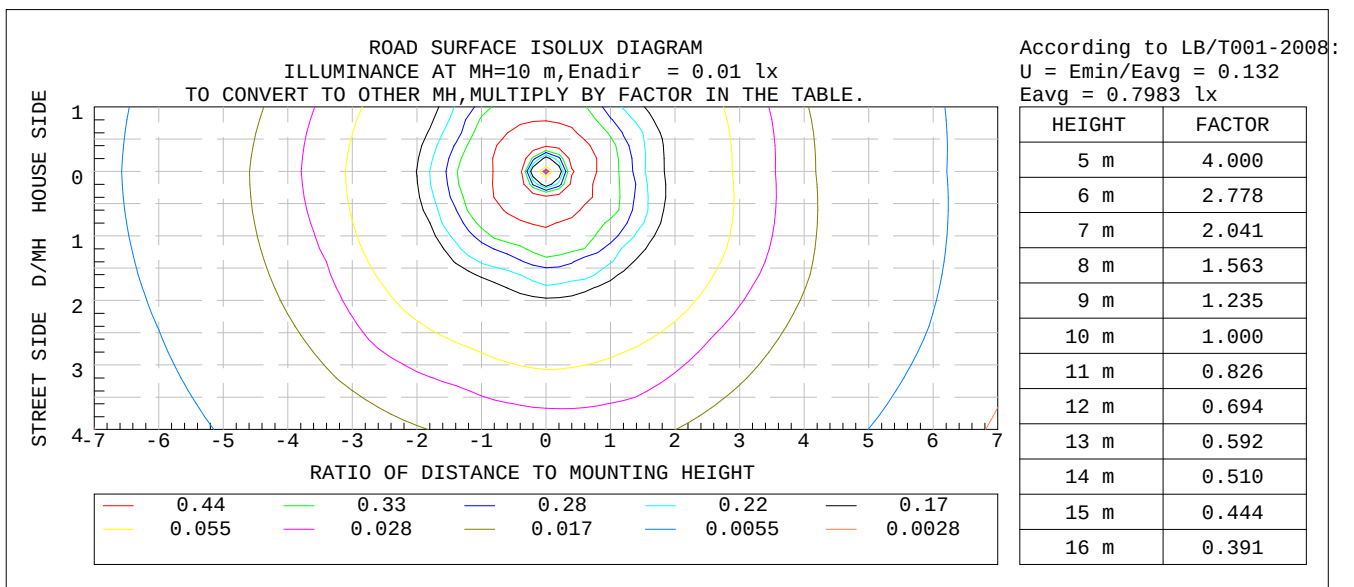
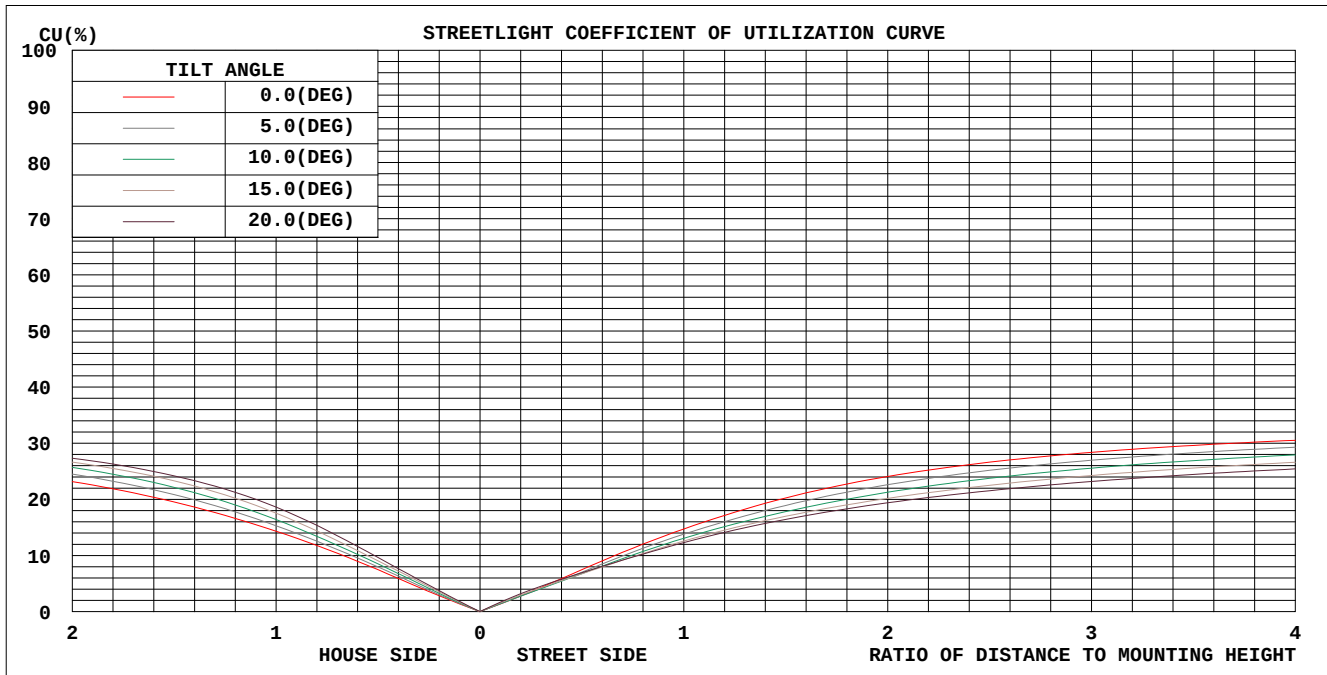
IES:Type V - Short
 CIE:Broad - Intermediate
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:156.7cd/klm
 Max.At90:119.4cd/klm
 Max.80-90:156.7cd/klm
 NRB 5101:Semi limited[16.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	203
90%	183
80%	162
70%	142
60%	122
50%	101
40%	81
30%	61
20%	41
10%	20
5%	10

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JINZHI
 Test Date:2022-05-11

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: 2022-05-11

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:

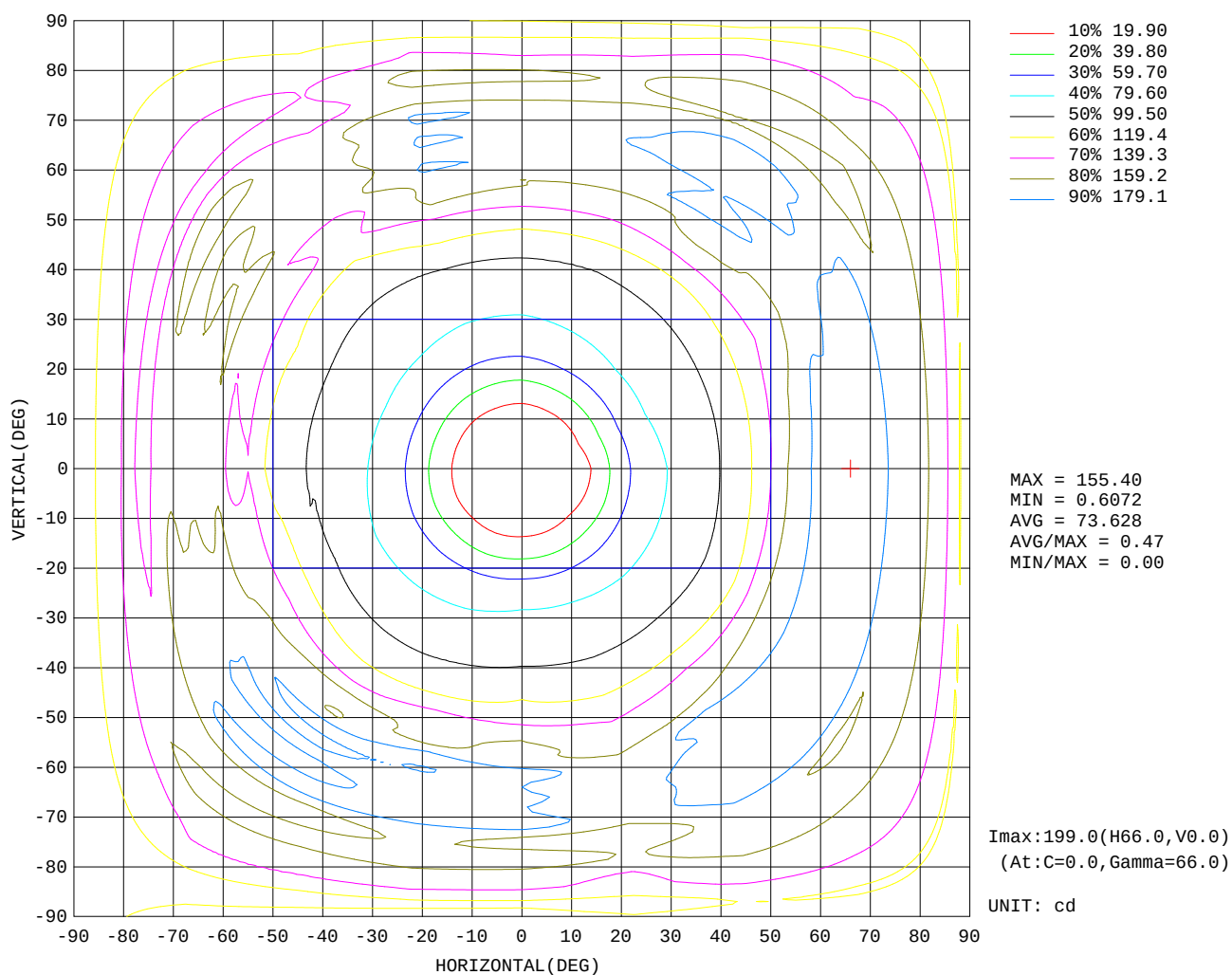
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	8.346	9.171	8.662	7.783	7.898	8.726	10.34	11.29	0- 10	0.3630	0.3630	0.03,0.03
20	52.68	48.96	50.48	45.81	46.42	47.46	51.22	54.23	10- 20	8.385	8.748	0.77,0.77
30	82.58	79.41	85.38	76.83	79.53	78.26	80.38	83.92	20- 30	31.70	40.45	3.58,3.58
40	103.4	100.1	103.6	94.99	91.39	88.07	97.53	97.08	30- 40	55.63	96.08	8.49,8.49
50	141.9	135.9	142.6	130.1	116.9	112.3	133.1	133.8	40- 50	86.55	182.6	16.1,16.1
60	194.6	187.1	180.8	168.3	146.2	140.7	172.1	182.0	50- 60	135.4	318.1	28.1,28.1
70	199.1	188.9	189.2	180.1	158.4	146.0	180.7	184.9	60- 70	173.9	492.0	43.5,43.5
80	177.3	167.9	168.8	158.4	144.6	135.9	164.6	166.9	70- 80	173.1	665.1	58.8,58.8
90	135.0	131.6	134.5	128.6	113.6	105.8	123.5	124.3	80- 90	144.5	809.5	71.6,71.6
100	96.58	96.92	93.64	92.13	88.47	90.40	92.35	95.61	90-100	126.6	936.1	82.7,82.7
110	68.96	73.06	66.52	69.64	62.97	68.75	67.15	72.91	100-110	86.12	1022	90.4,90.4
120	37.56	48.81	36.53	46.42	32.59	46.16	36.67	49.53	110-120	56.47	1079	95.3,95.3
130	16.08	27.42	17.32	27.09	13.91	26.41	15.61	28.40	120-130	29.42	1108	97.9,97.9
140	7.382	15.47	9.286	15.88	6.967	15.80	8.229	15.38	130-140	13.51	1122	99.1,99.1
150	4.619	9.599	5.602	9.343	5.246	9.196	4.775	9.201	140-150	5.960	1128	99.7,99.7
160	2.952	5.467	3.500	5.652	3.678	5.368	2.785	5.259	150-160	2.745	1130	99.9,99.9
170	1.871	1.939	2.017	1.866	1.791	1.772	1.814	1.884	160-170	0.8983	1131	100,100
180	0.2199	0.2009	0.1869	0.2027	0.2199	0.1841	0.1810	0.1914	170-180	0.1149	1131	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:2022-05-11

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:

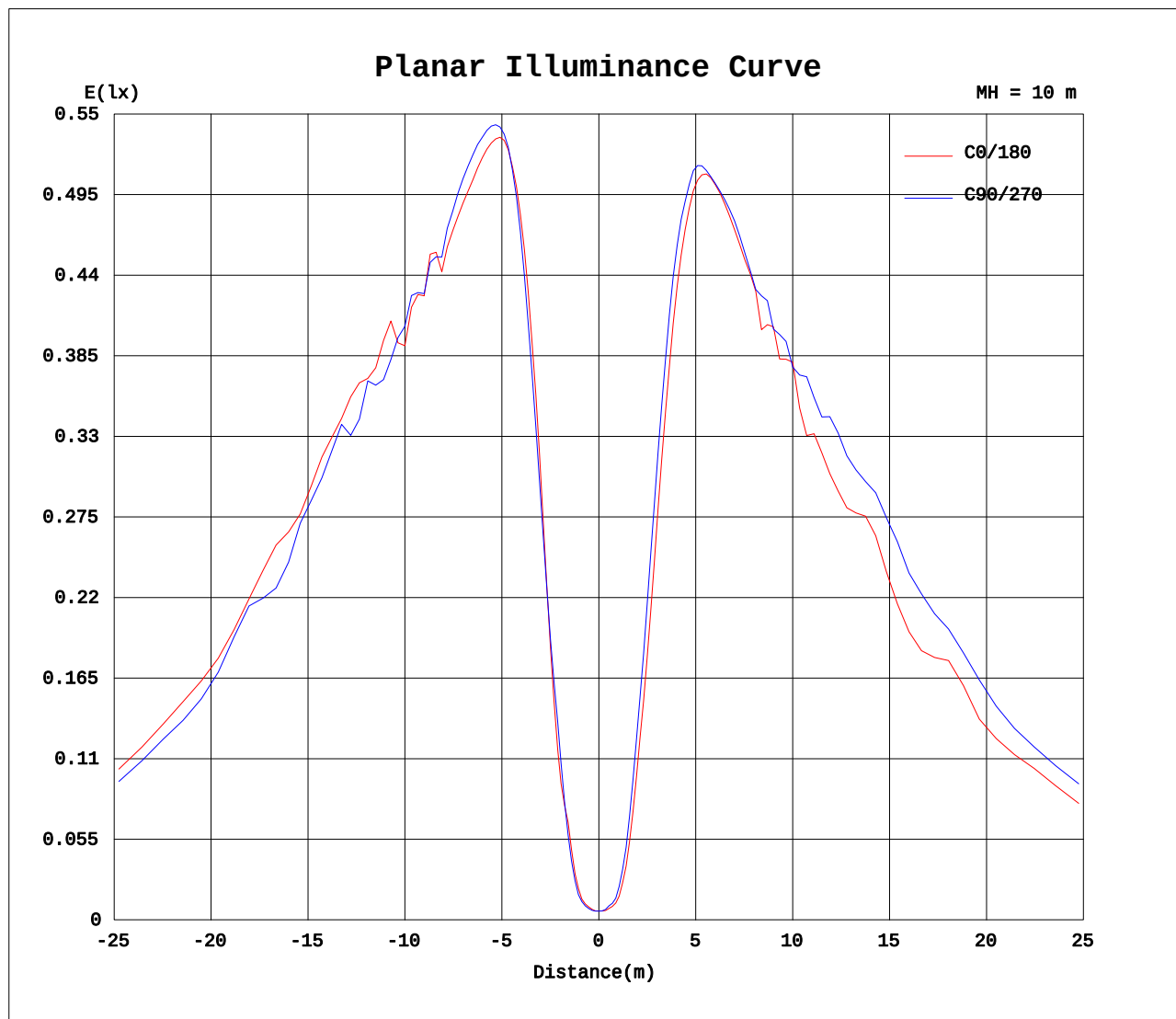
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-11

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



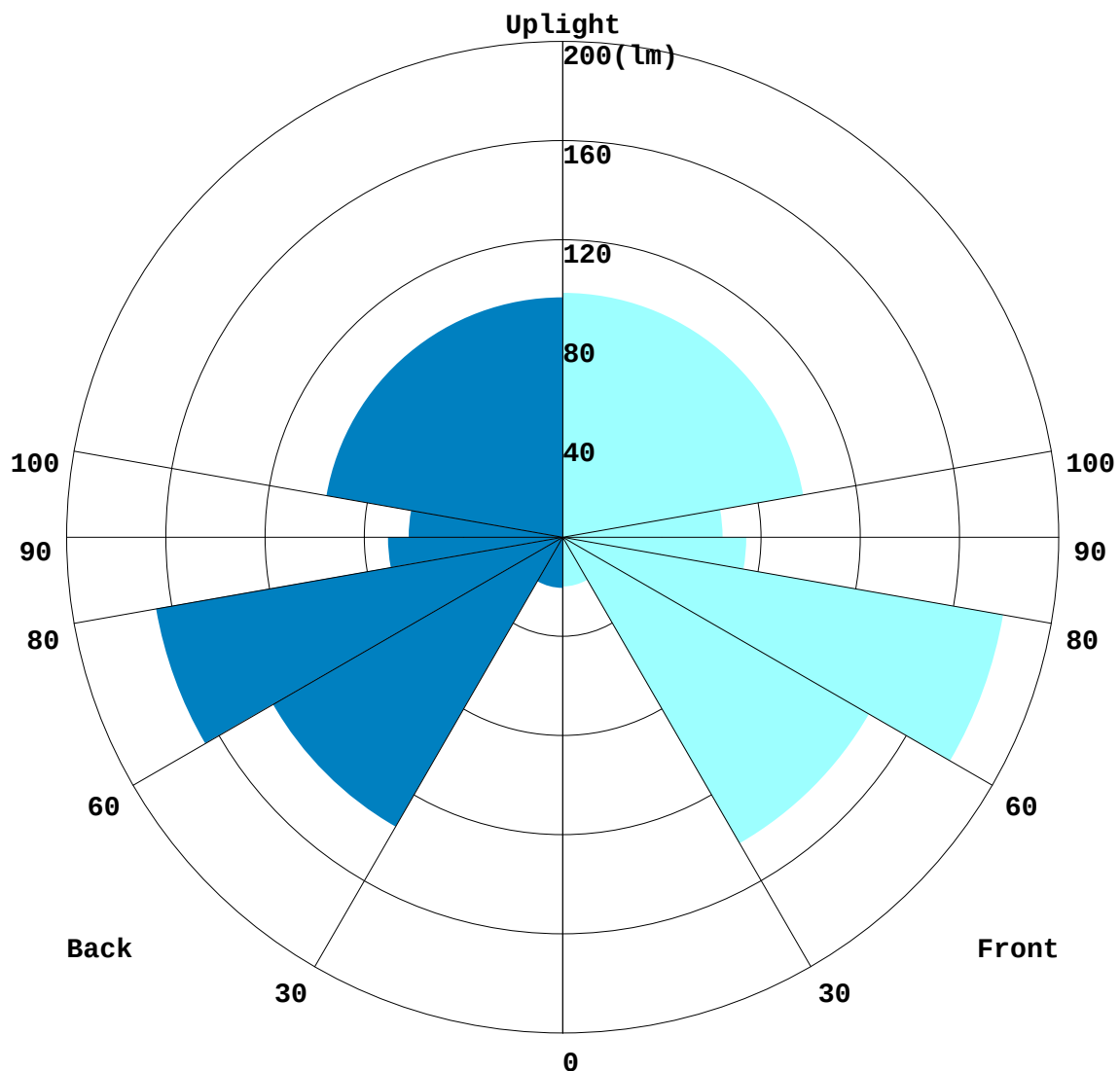
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-11

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:0.1379A P:16.398W PF:0.9919 Freq:59.98Hz Lamp Flux:1131.35x1 lm		
NAME: PLTS-12360 16W 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:2022-05-11

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:0.1379A P:16.398W PF:0.9919 Freq:59.98Hz Lamp Flux:1131.35x1 lm		
NAME: PLTS-12360 16W 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)	19.945	1.8
FM - Front-Medium(30-60)	142.72	12.6
FH - Front-High(60-80)	180.49	16.0
FVH - Front-Very High(80-90)	74.077	6.5
Total Forward Light	580.31	51.3

BL - Back-Low(0-30)	20.507	1.8
BM - Back-Medium(30-60)	134.91	11.9
BH - Back-High(60-80)	166.49	14.7
BVH - Back-Very High(80-90)	70.384	6.2
Total Back Light	551.04	48.7

UL - Uplight-Low(90-100)	126.59	11.2
UH - Uplight-High(100-180)	195.23	17.3
Total Up Light	321.83	28.4

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	392.29	158.75	551.04
Street Side	417.23	163.08	580.31

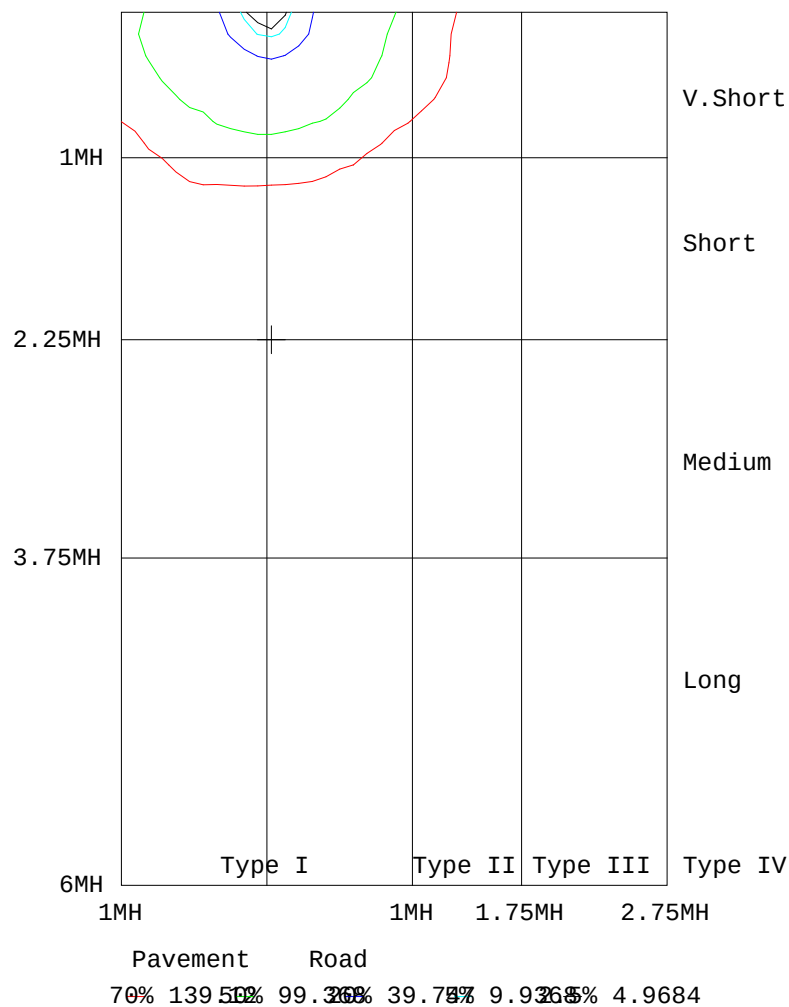
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-11

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:0.1379A P:16.398W PF:0.9919 Freq:59.98Hz Lamp Flux:1131.35x1 lm		
NAME: PLTS-12360 16W 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:2022-05-11

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	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62			
5	1.48	1.34	1.42	1.35	1.32	1.22	1.17	1.12	1.20	1.24	1.35	1.53	1.56	1.72	1.61	1.58			
10	8.35	9.29	9.17	8.55	8.66	7.93	7.78	7.30	7.90	8.24	8.73	10.07	10.3	11.4	11.3	11.2			
15	25.7	24.4	26.2	26.2	25.8	24.4	23.6	22.4	23.8	24.1	25.3	27.8	28.5	30.3	30.5	30.5			
20	52.7	48.3	49.0	50.1	50.5	47.9	45.8	43.6	46.4	46.0	47.5	50.1	51.2	54.3	54.2	54.3			
25	72.0	67.8	68.3	71.7	72.9	69.2	65.5	62.7	66.5	65.3	66.2	68.4	69.4	72.1	73.5	73.0			
30	82.6	78.1	79.4	84.1	85.4	81.0	76.8	74.2	79.5	77.2	78.3	79.4	80.4	82.8	83.9	82.9			
35	90.8	87.2	87.6	92.9	94.7	89.3	86.2	82.6	87.4	85.4	84.6	87.3	89.3	89.4	91.6	90.0			
40	103	93.8	100	101	104	96.4	95.0	87.6	91.4	95.3	88.1	93.8	97.5	98.5	97.1	98.3			
45	113	113	108	110	118	113	114	107	110	102	104	112	110	108	113	106			
50	142	133	136	128	143	138	130	127	117	115	112	133	133	135	134	128			
55	171	160	154	149	165	160	162	151	142	139	132	162	159	146	162	148			
60	195	181	187	166	181	195	168	167	146	142	141	171	172	179	182	165			
65	201	180	192	167	186	192	178	175	153	155	143	180	178	178	181	170			
70	199	181	189	172	189	191	180	173	158	151	146	181	181	179	185	171			
75	173	149	167	147	156	169	146	149	139	135	129	157	155	161	158	151			
80	177	162	168	153	169	170	158	156	145	148	136	166	165	159	167	158			
85	149	137	140	131	141	142	132	130	126	125	119	139	137	135	139	133			
90	135	125	132	124	135	134	129	125	114	110	106	121	123	125	124	120			
95	109	115	117	112	110	115	111	108	98.3	104	104	115	109	116	118	117			
100	96.6	95.1	96.9	96.6	93.6	94.0	92.1	88.0	88.5	86.6	90.4	94.4	92.4	94.9	95.6	94.3			
105	85.0	83.2	84.6	85.2	82.5	82.0	80.9	77.7	77.9	76.3	79.2	81.9	81.4	82.3	83.7	82.5			
110	69.0	72.0	73.1	73.5	66.5	70.3	69.6	67.1	63.0	65.6	68.7	71.5	67.2	71.7	72.9	72.0			
115	54.0	59.6	60.9	60.9	52.5	58.0	57.9	54.8	47.5	53.0	57.5	59.8	51.8	60.1	61.3	60.2			
120	37.6	45.3	48.8	47.5	36.5	43.9	46.4	43.0	32.6	40.7	46.2	46.6	36.7	46.6	49.5	47.1			
125	26.1	33.2	37.5	35.8	26.0	32.4	35.7	32.7	22.6	30.9	35.5	34.7	24.5	34.5	38.3	35.8			
130	16.1	23.8	27.4	26.2	17.3	25.0	27.1	23.8	13.9	21.8	26.4	25.4	15.6	25.1	28.4	25.9			
135	10.14	15.8	20.0	19.6	13.0	18.1	21.2	19.2	11.2	17.1	20.5	18.7	10.6	17.5	21.0	18.4			
140	7.38	11.4	15.5	14.6	9.29	12.8	15.9	14.6	6.97	12.4	15.8	14.0	8.23	12.7	15.4	13.1			
145	5.59	8.19	11.6	10.6	6.68	8.68	11.5	9.84	5.76	8.75	11.6	9.69	5.81	9.06	11.7	9.68			
150	4.62	6.62	9.60	8.74	5.60	7.25	9.34	7.80	5.25	7.05	9.20	7.42	4.78	7.21	9.20	7.47			
155	3.36	5.05	7.73	6.95	4.43	5.82	7.89	6.71	4.32	5.44	7.41	5.98	3.65	5.45	7.29	5.68			
160	2.95	3.92	5.47	4.93	3.50	4.27	5.65	5.13	3.68	4.21	5.37	4.24	2.78	3.95	5.26	4.35			
165	2.41	2.82	3.47	3.30	2.72	3.01	3.40	3.38	2.85	2.90	3.27	2.88	2.29	2.83	3.31	2.96			
170	1.87	1.78	1.94	2.03	2.02	1.98	1.87	1.85	1.79	1.73	1.77	1.81	1.81	1.90	1.88	1.85			
175	0.94	0.83	0.91	0.95	0.97	0.87	0.84	0.83	0.82	0.81	0.78	0.84	0.82	0.90	0.85	0.91			
180	0.22	0.20	0.20	0.19	0.19	0.19	0.20	0.20	0.22	0.20	0.18	0.19	0.18	0.19	0.19	0.22			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-11

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: