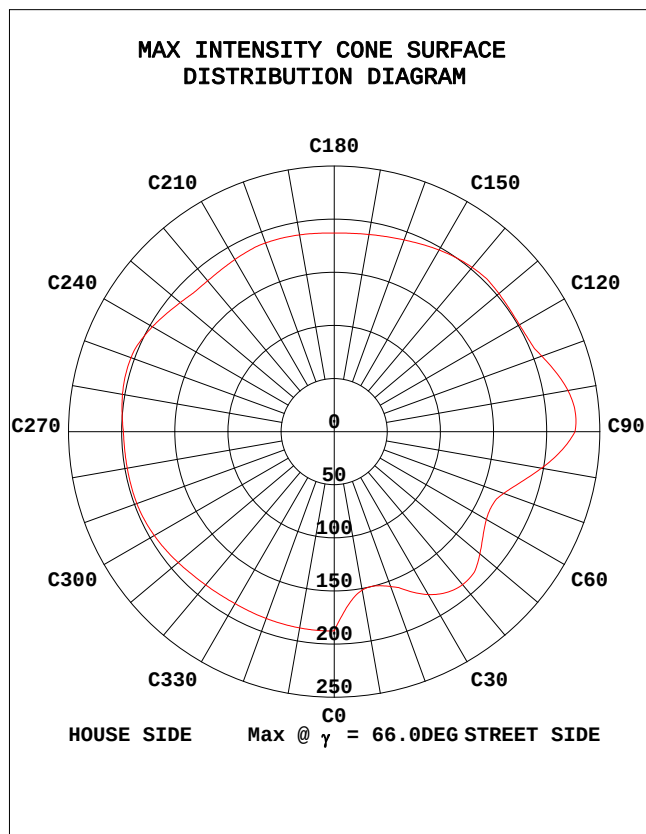
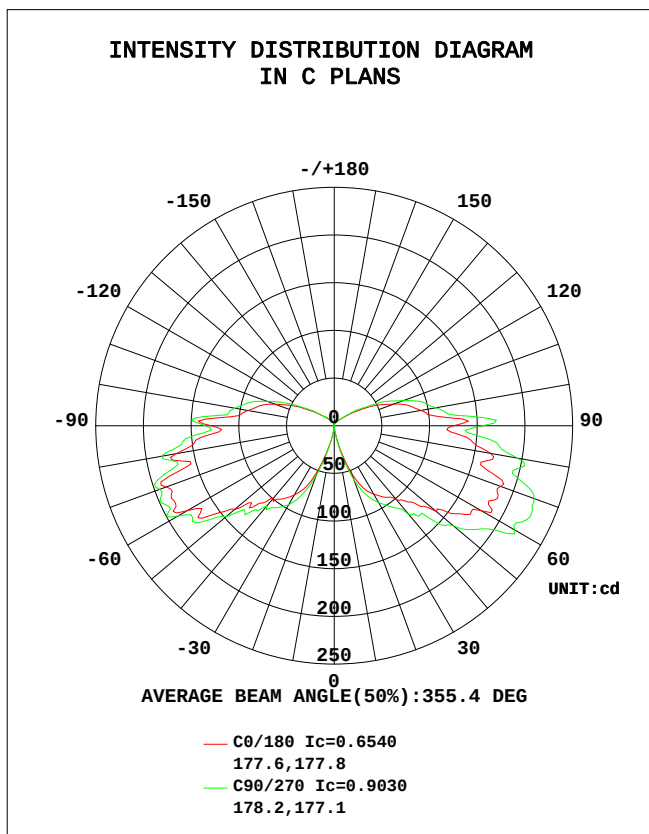


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.89V I:0.1386A P:16.481W PF:0.9919 Freq:59.98Hz Lamp Flux:1209x1 lm		
NAME: PLTS-12360 16W 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.1*0.1	Shielding Angle:

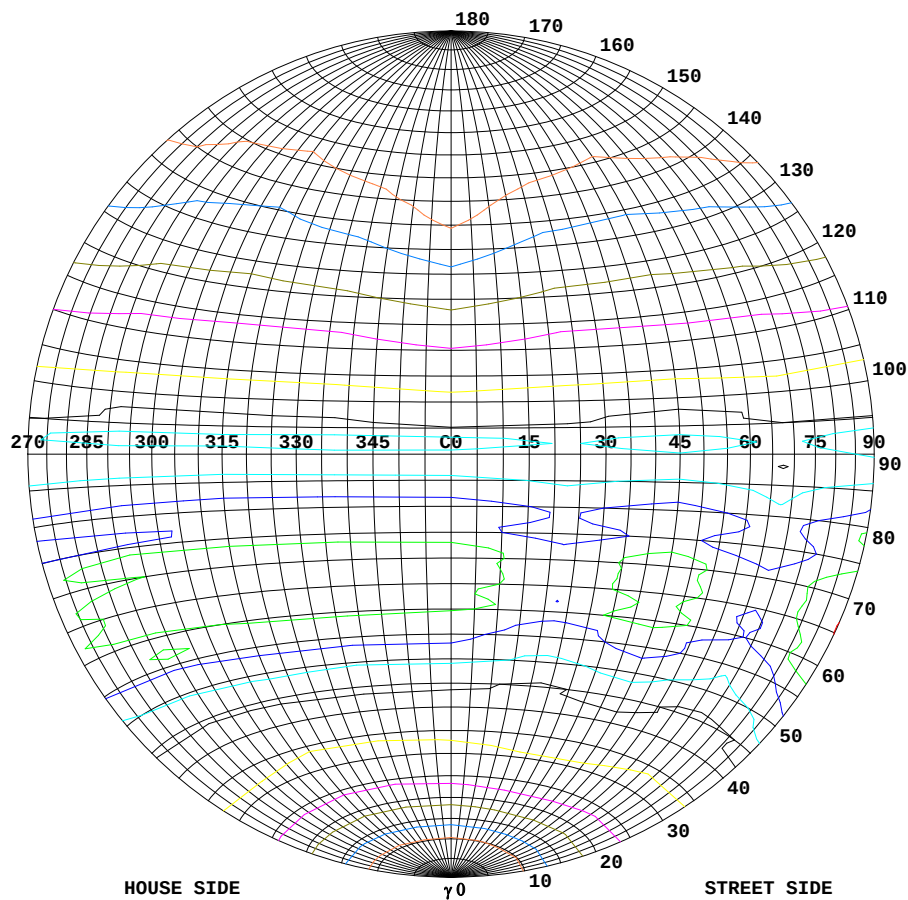
DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.36 lm/W			
MODEL		I _{max} (cd)	226.5	η street_up(%)	14.1
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	35.7
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1209	η house_up(%)	14.1
NOMINAL FLUX(lm)	1209	MAXIMUM @(C,γ)	90,66.0	η house_down(%)	36.1
LAMPS INSIDE	1	η up(%)	28.2	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	71.8	SLI	20.046



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:

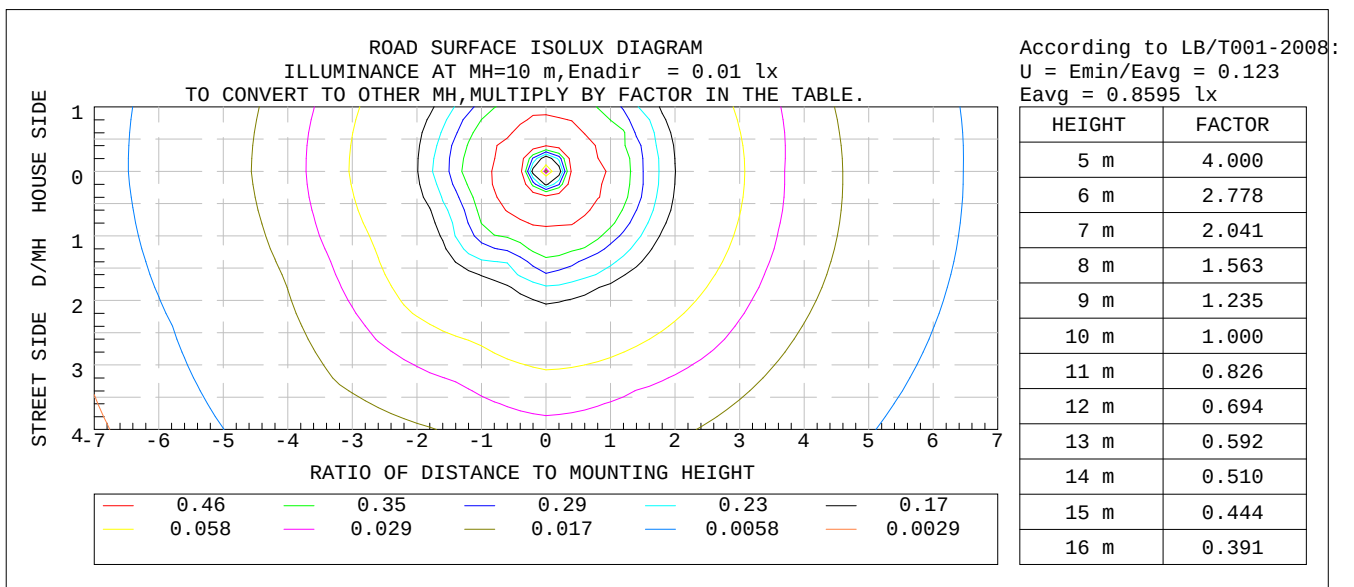
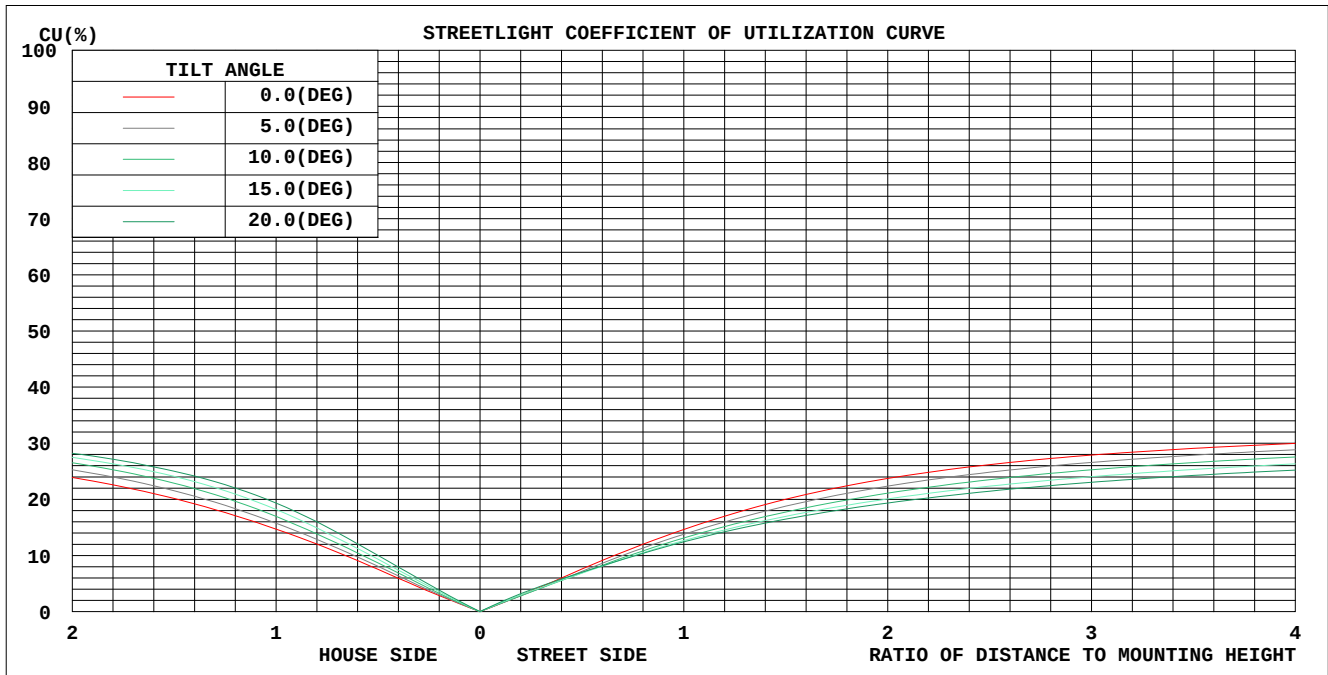
IES:Type V - Very Short
 CIE:Broad - Intermediate
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:161.2cd/klm
 Max.At90:128.7cd/klm
 Max.80-90:161.2cd/klm
 NRB 5101:Semi limited[14.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	227
90%	204
80%	181
70%	159
60%	136
50%	113
40%	91
30%	68
20%	45
10%	23
5%	11

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:

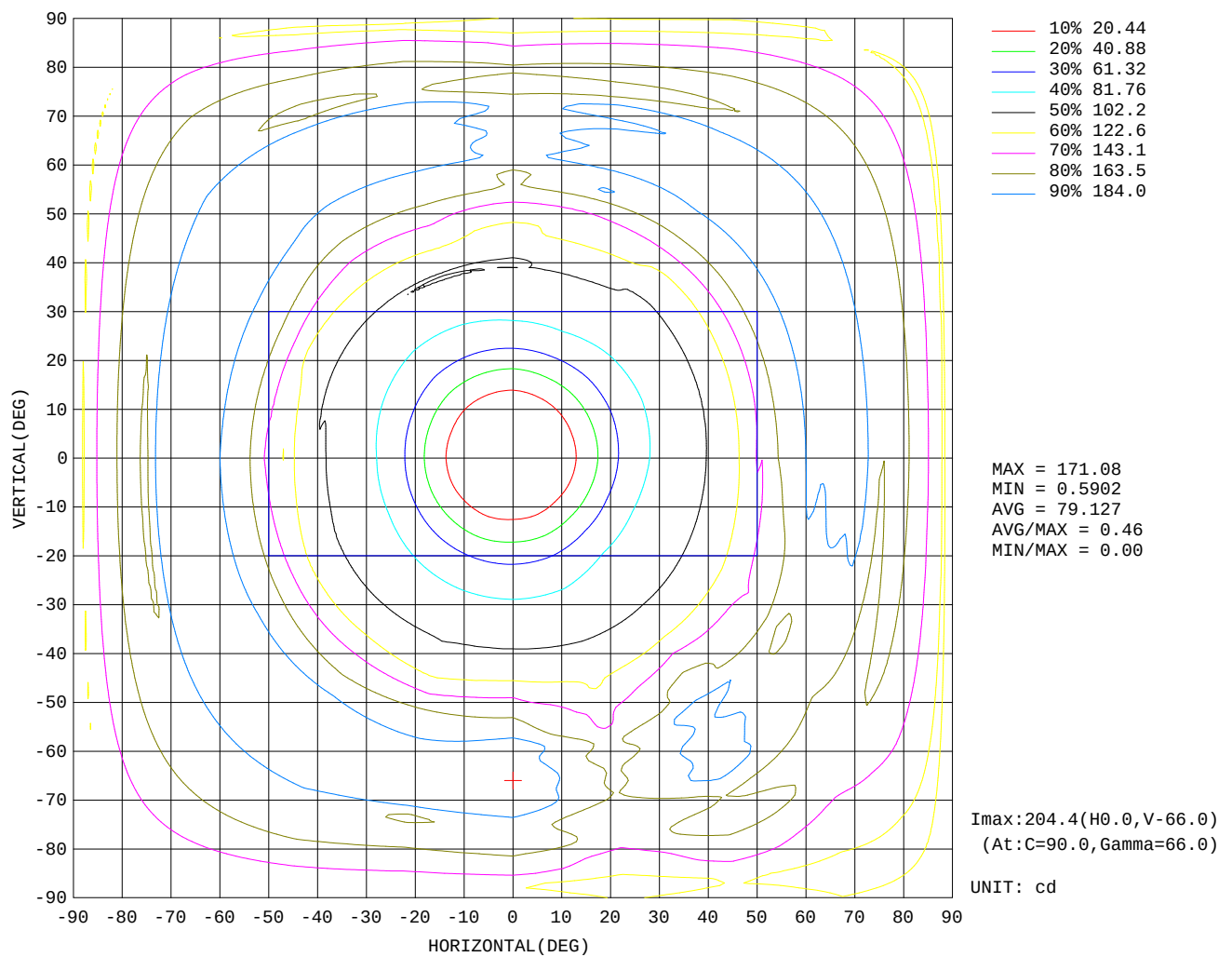
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	10.04	11.62	13.10	9.841	8.264	7.496	8.700	9.531	0- 10	0.3844	0.3844	0.03,0.03
20	52.28	54.94	59.77	51.71	48.86	46.27	54.84	51.35	10- 20	8.896	9.280	0.77,0.77
30	82.60	84.78	92.93	84.61	83.84	79.52	95.39	84.24	20- 30	33.55	42.83	3.54,3.54
40	100.5	99.98	121.2	107.9	99.99	97.25	110.1	96.29	30- 40	59.41	102.2	8.46,8.46
50	140.2	137.8	163.2	143.7	136.3	136.3	148.7	138.7	40- 50	93.32	195.6	16.2,16.2
60	178.4	185.6	218.6	195.4	178.4	169.0	189.3	184.2	50- 60	146.3	341.8	28.3,28.3
70	186.0	184.8	223.0	199.2	187.4	179.1	194.9	185.9	60- 70	186.8	528.6	43.7,43.7
80	166.2	163.7	194.9	174.5	168.3	167.0	184.1	171.5	70- 80	185.0	713.6	59,59
90	125.1	129.1	155.6	141.2	129.0	125.1	134.6	122.9	80- 90	154.4	868.0	71.8,71.8
100	92.69	95.35	108.5	101.0	92.02	97.25	105.9	100.8	90-100	134.1	1002	82.9,82.9
110	67.02	72.72	77.05	76.20	66.32	73.23	75.32	75.85	100-110	91.33	1093	90.4,90.4
120	36.84	49.01	40.99	50.82	36.17	49.11	39.14	51.14	110-120	59.83	1153	95.4,95.4
130	15.74	27.93	17.24	28.58	16.71	28.24	16.81	29.40	120-130	31.15	1184	98,98
140	7.516	15.03	8.193	16.25	8.788	17.48	8.647	17.60	130-140	14.26	1199	99.1,99.1
150	4.817	9.073	5.266	10.39	5.469	9.768	6.172	9.941	140-150	6.345	1205	99.7,99.7
160	2.799	5.127	3.422	5.830	3.324	6.044	4.412	5.791	150-160	2.909	1208	99.9,99.9
170	1.832	1.817	2.027	2.004	1.943	1.976	2.136	1.999	160-170	0.9514	1209	100,100
180	0.2144	0.2071	0.2201	0.2086	0.2089	0.2016	0.2138	0.2030	170-180	0.1209	1209	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:

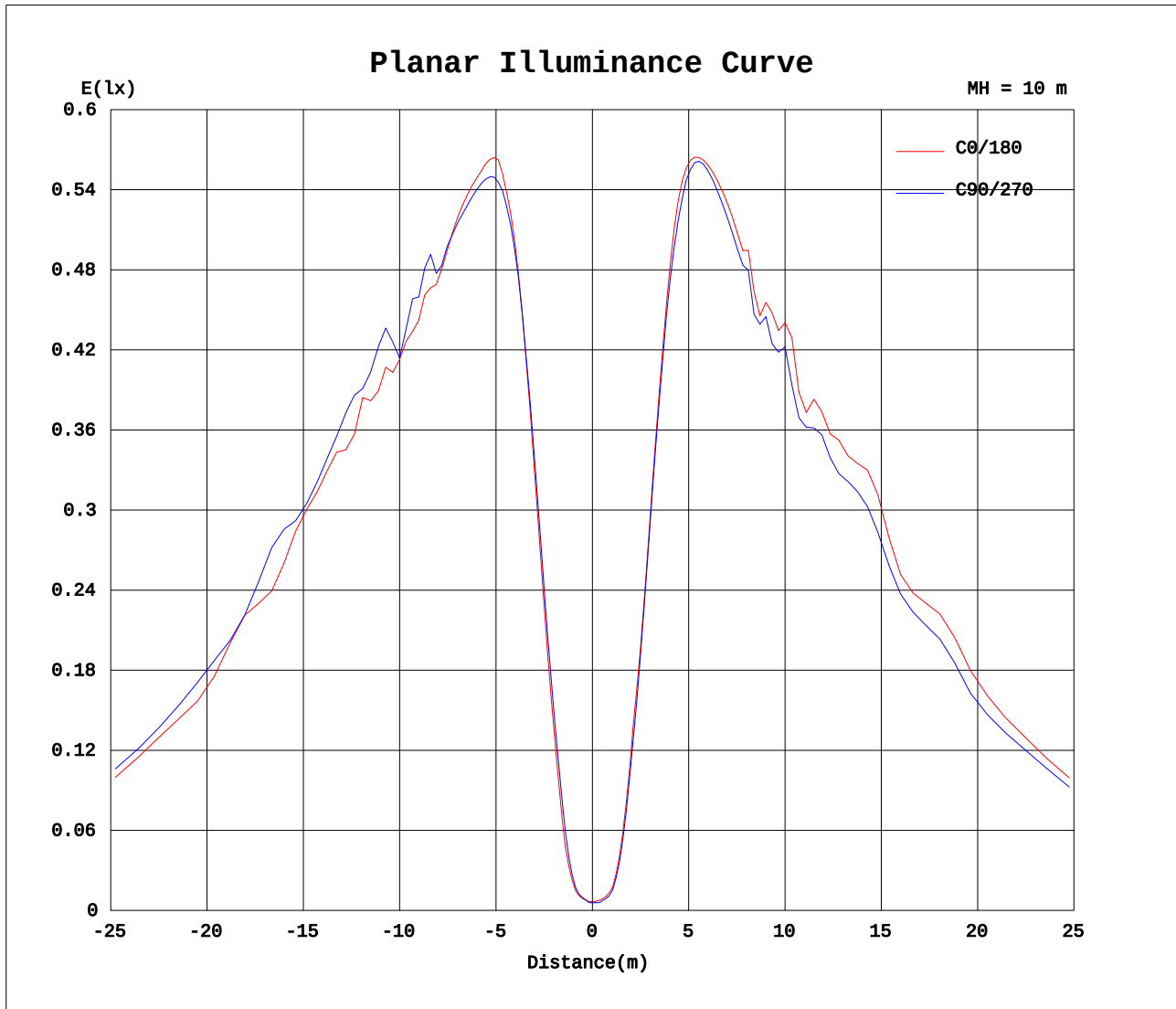
ISOCANDELA DIAGRAM



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



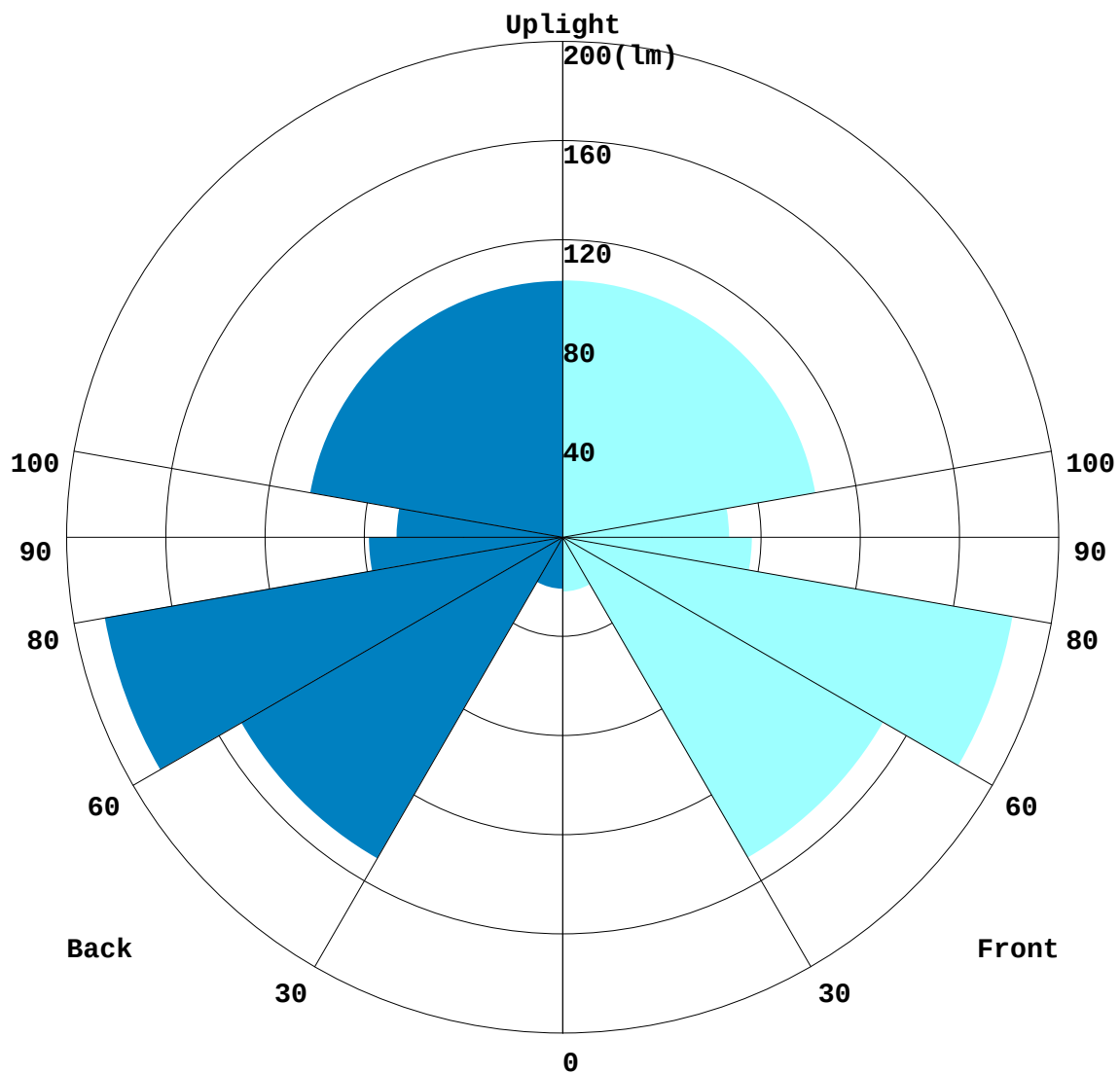
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-10

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:0.1386A P:16.481W PF:0.9919 Freq:59.98Hz Lamp Flux:1209x1 lm		
NAME: PLTS-12360 16W 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:0.1386A P:16.481W PF:0.9919 Freq:59.98Hz Lamp Flux:1209x1 lm		
NAME: PLTS-12360 16W 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)	21.956	1.8
FM - Front-Medium(30-60)	149.35	12.4
FH - Front-High(60-80)	184.29	15.2
FVH - Front-Very High(80-90)	76.382	6.3
Total Forward Light	602.69	49.9

BL - Back-Low(0-30)	20.874	1.7
BM - Back-Medium(30-60)	149.66	12.4
BH - Back-High(60-80)	187.47	15.5
BVH - Back-Very High(80-90)	78.028	6.5
Total Back Light	606.31	50.1

UL - Uplight-Low(90-100)	134.09	11.1
UH - Uplight-High(100-180)	206.9	17.1
Total Up Light	340.99	28.2

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	436.03	170.28	606.31
Street Side	431.98	170.71	602.69

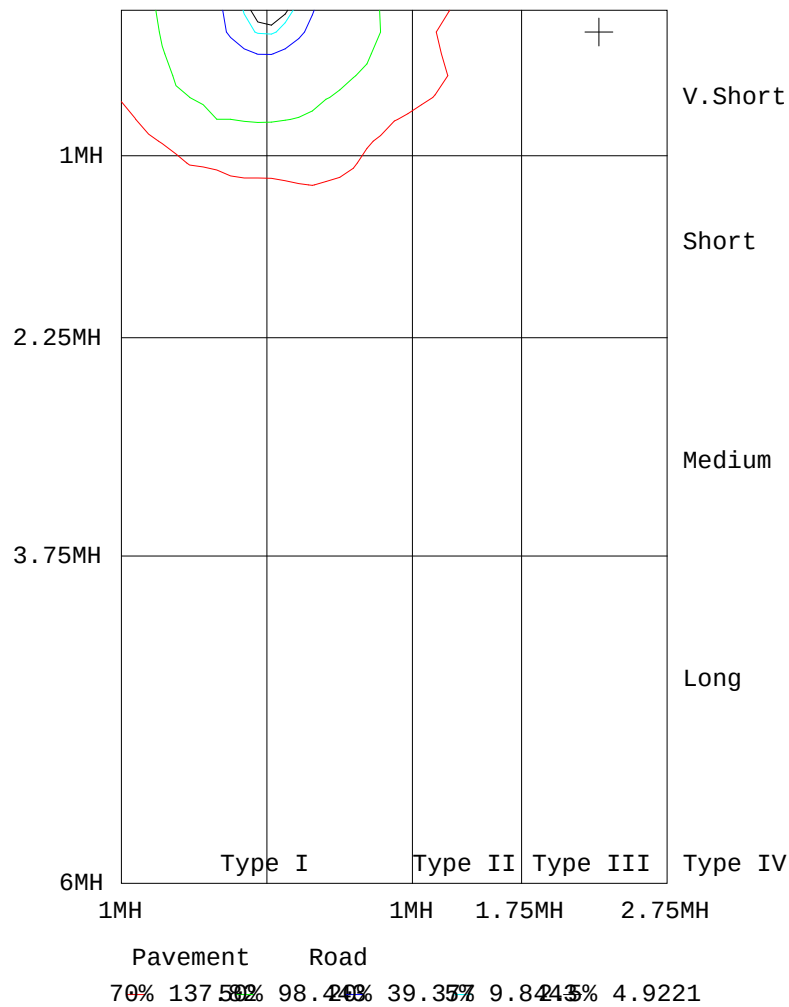
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-10

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:0.1386A P:16.481W PF:0.9919 Freq:59.98Hz Lamp Flux:1209x1 lm		
NAME: PLTS-12360 16W 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	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65			
5	1.48	1.51	1.70	1.74	1.97	1.69	1.58	1.41	1.31	1.22	1.13	1.19	1.25	1.35	1.41	1.49			
10	10.0	10.3	11.6	11.9	13.1	11.3	9.84	8.57	8.26	8.02	7.50	8.32	8.70	9.46	9.53	10.0			
15	28.3	29.1	31.0	31.7	34.0	30.0	28.0	25.8	24.7	24.3	23.4	25.7	27.7	28.1	27.5	28.1			
20	52.3	53.7	54.9	56.0	59.8	55.1	51.7	49.7	48.9	47.0	46.3	50.4	54.8	54.0	51.3	50.9			
25	71.9	72.7	74.3	75.8	80.3	76.3	72.5	71.1	71.1	67.3	66.5	72.1	79.4	76.5	71.3	69.7			
30	82.6	84.1	84.8	86.7	92.9	88.3	84.6	84.4	83.8	79.6	79.5	86.1	95.4	90.8	84.2	81.4			
35	91.4	90.8	93.0	95.6	104	99.3	93.6	93.6	93.4	87.8	89.2	95.6	105	101	91.4	90.2			
40	101	100	100.0	107	121	107	108	103	100.0	94.0	97.3	104	110	115	96.3	97.2			
45	113	104	115	109	130	127	116	116	121	114	115	126	132	123	121	113			
50	140	123	138	128	163	148	144	139	136	140	136	148	149	147	139	134			
55	161	136	164	143	189	174	164	165	169	160	163	177	178	174	168	164			
60	178	161	186	163	219	202	195	186	178	190	169	183	189	179	184	178			
65	185	160	185	164	226	200	202	190	185	189	183	201	196	195	188	184			
70	186	160	185	167	223	202	199	190	187	189	179	197	195	189	186	187			
75	159	143	157	149	193	167	176	162	155	169	157	176	176	172	171	161			
80	166	144	164	150	195	176	175	169	168	167	167	184	184	183	171	169			
85	139	124	136	130	164	150	147	142	141	140	140	155	156	152	146	141			
90	125	116	129	123	156	143	141	135	129	127	125	134	135	129	123	125			
95	111	110	116	117	127	129	122	117	109	115	118	126	124	127	118	118			
100	92.7	93.1	95.4	99.6	108	108	101	96.5	92.0	93.3	97.3	101	106	103	101	96.5			
105	81.7	81.8	83.9	88.1	96.0	93.7	88.4	84.0	81.1	81.0	84.5	88.8	93.2	90.9	86.9	84.3			
110	67.0	71.3	72.7	76.4	77.1	81.1	76.2	72.1	66.3	70.0	73.2	76.7	75.3	78.8	75.9	73.2			
115	52.0	59.9	60.8	63.8	60.7	67.5	63.4	59.6	50.8	58.0	61.0	62.0	57.1	64.4	63.6	60.8			
120	36.8	46.8	49.0	48.8	41.0	52.1	50.8	45.7	36.2	45.0	49.1	47.5	39.1	50.6	51.1	47.0			
125	24.7	35.2	37.7	36.4	29.0	39.1	39.0	34.2	25.0	33.9	37.8	35.8	27.4	38.5	39.4	34.1			
130	15.7	25.8	27.9	26.2	17.2	28.0	28.6	25.1	16.7	25.4	28.2	24.9	16.8	27.8	29.4	24.8			
135	10.3	18.3	20.5	18.1	10.86	19.5	21.2	18.3	12.4	19.7	22.4	19.6	13.4	21.6	23.1	17.8			
140	7.52	13.2	15.0	12.9	8.19	14.4	16.2	13.3	8.79	14.2	17.5	14.7	8.65	16.3	17.6	13.2			
145	5.92	9.53	11.5	9.38	6.36	10.6	12.3	9.65	6.22	9.90	12.3	10.03	7.12	11.7	12.8	9.09			
150	4.82	7.53	9.07	7.16	5.27	8.55	10.4	7.91	5.47	8.19	9.77	7.78	6.17	9.07	9.94	6.94			
155	3.63	5.88	7.19	5.33	3.88	6.61	8.38	6.53	4.36	6.53	8.26	6.54	5.06	7.23	7.97	5.58			
160	2.80	4.15	5.13	4.14	3.42	4.92	5.83	4.52	3.32	4.86	6.04	5.21	4.41	5.42	5.79	4.03			
165	2.27	2.87	3.27	2.94	2.74	3.32	3.57	3.12	2.56	3.22	3.73	3.70	3.42	3.65	3.53	2.89			
170	1.83	1.80	1.82	1.91	2.03	2.02	2.00	1.95	1.94	1.94	1.98	2.11	2.14	2.11	2.00	1.90			
175	0.86	0.81	0.83	0.91	1.00	0.89	0.91	0.93	0.86	0.92	0.86	0.95	1.01	1.00	0.93	0.96			
180	0.21	0.20	0.21	0.21	0.22	0.20	0.21	0.21	0.21	0.20	0.20	0.21	0.21	0.21	0.20	0.24			

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: