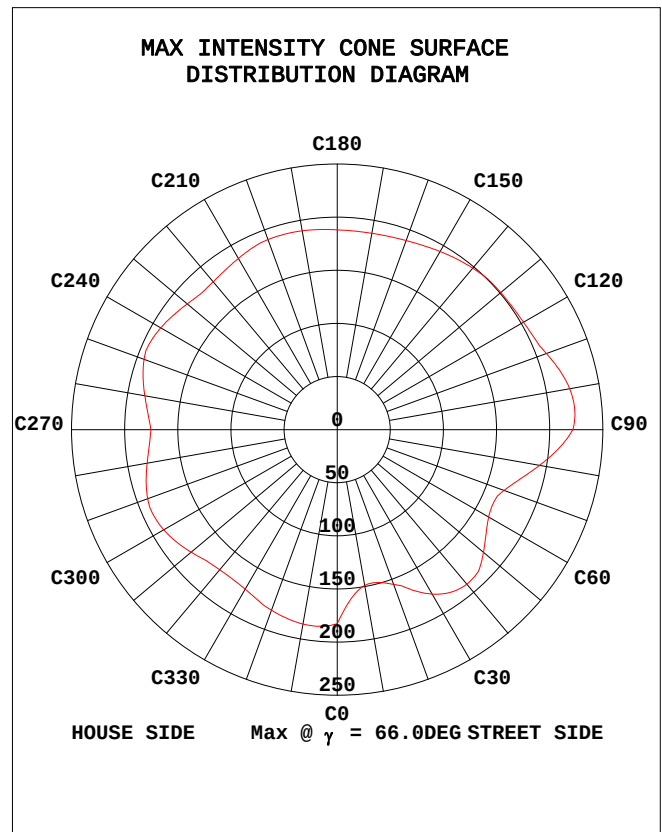
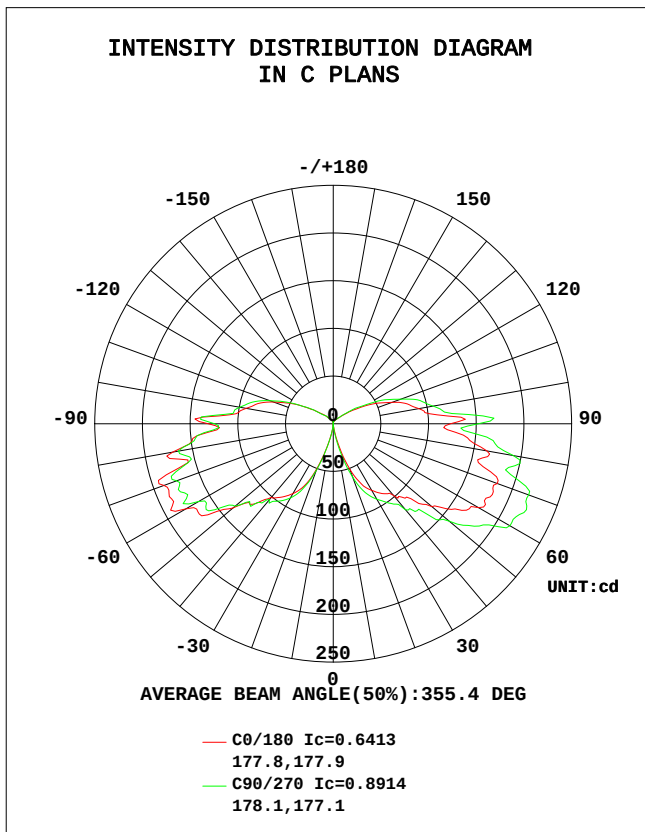


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.88V I:0.1355A P:16.113W PF:0.9916 Freq:59.98Hz Lamp Flux:1185.04x1 lm		
NAME: PLTS-12360 16W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.1*0.1	Shielding Angle:

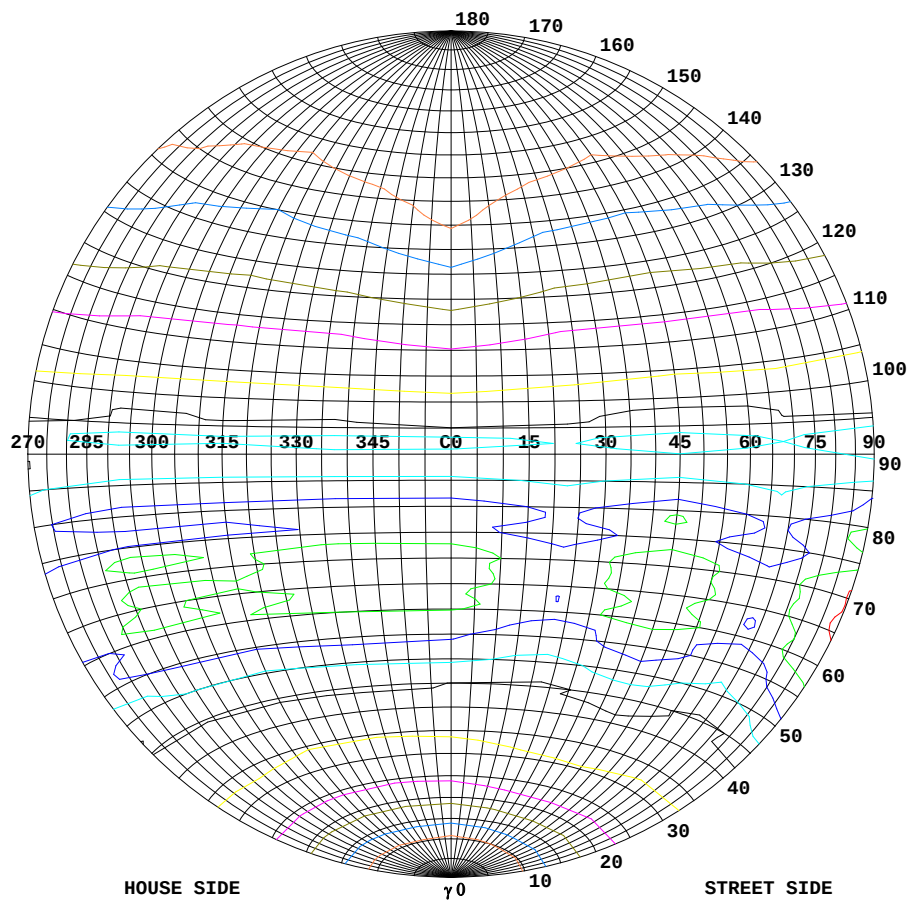
DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.55 lm/W			
MODEL		Imax(cd)	221.7	η street_up(%)	14.4
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	36.2
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1185	η house_up(%)	14.0
NOMINAL FLUX(lm)	1185.04	MAXIMUM @(C, γ)	90,66.0	η house_down(%)	35.5
LAMPS INSIDE	1	η up(%)	28.3	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	71.7	SLI	20.003



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:

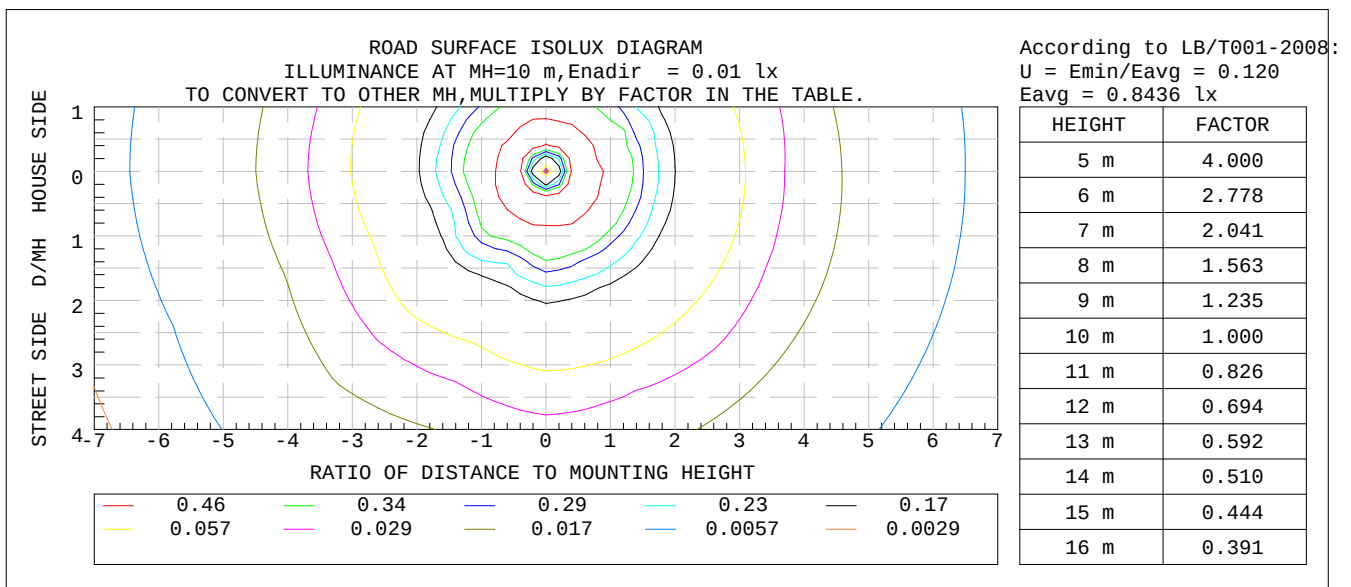
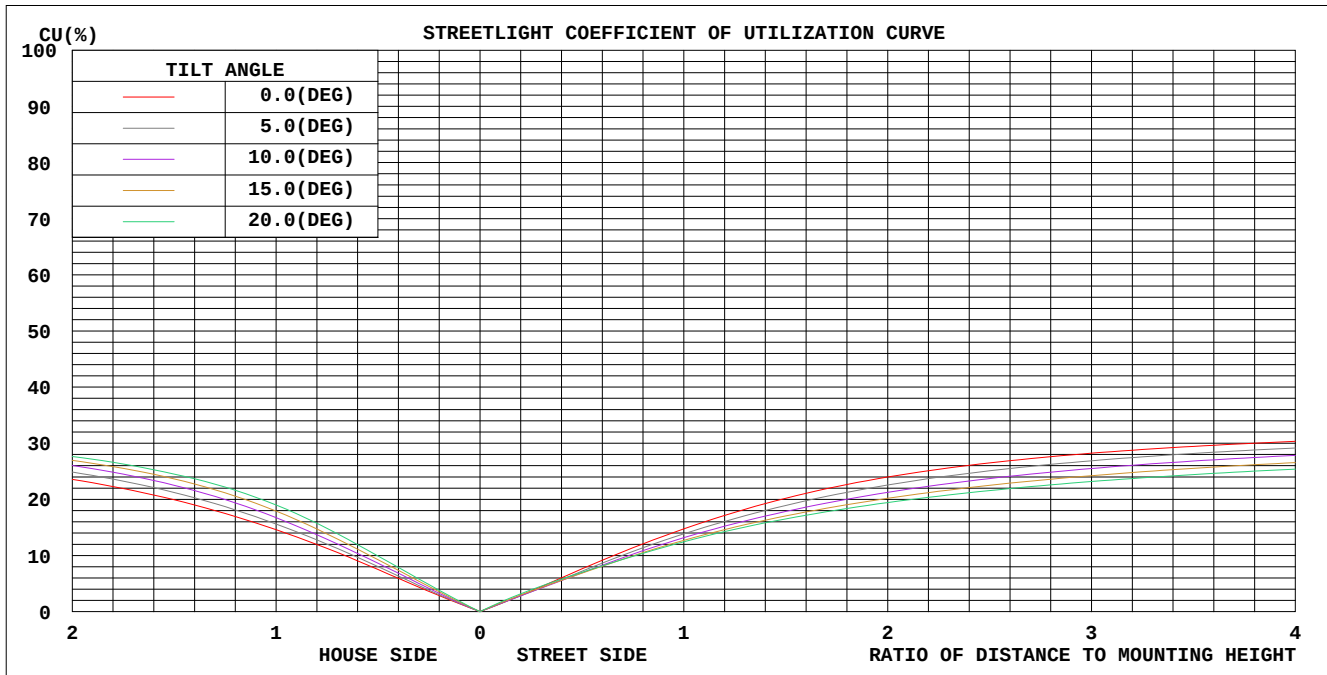
IES:Type V - Very Short
 CIE:Broad - Intermediate
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:161.4cd/klm
 Max.At90:128.3cd/klm
 Max.80-90:161.4cd/klm
 NRB 5101:Semi limited[15.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	222
90%	200
80%	177
70%	155
60%	133
50%	111
40%	89
30%	67
20%	44
10%	22
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:

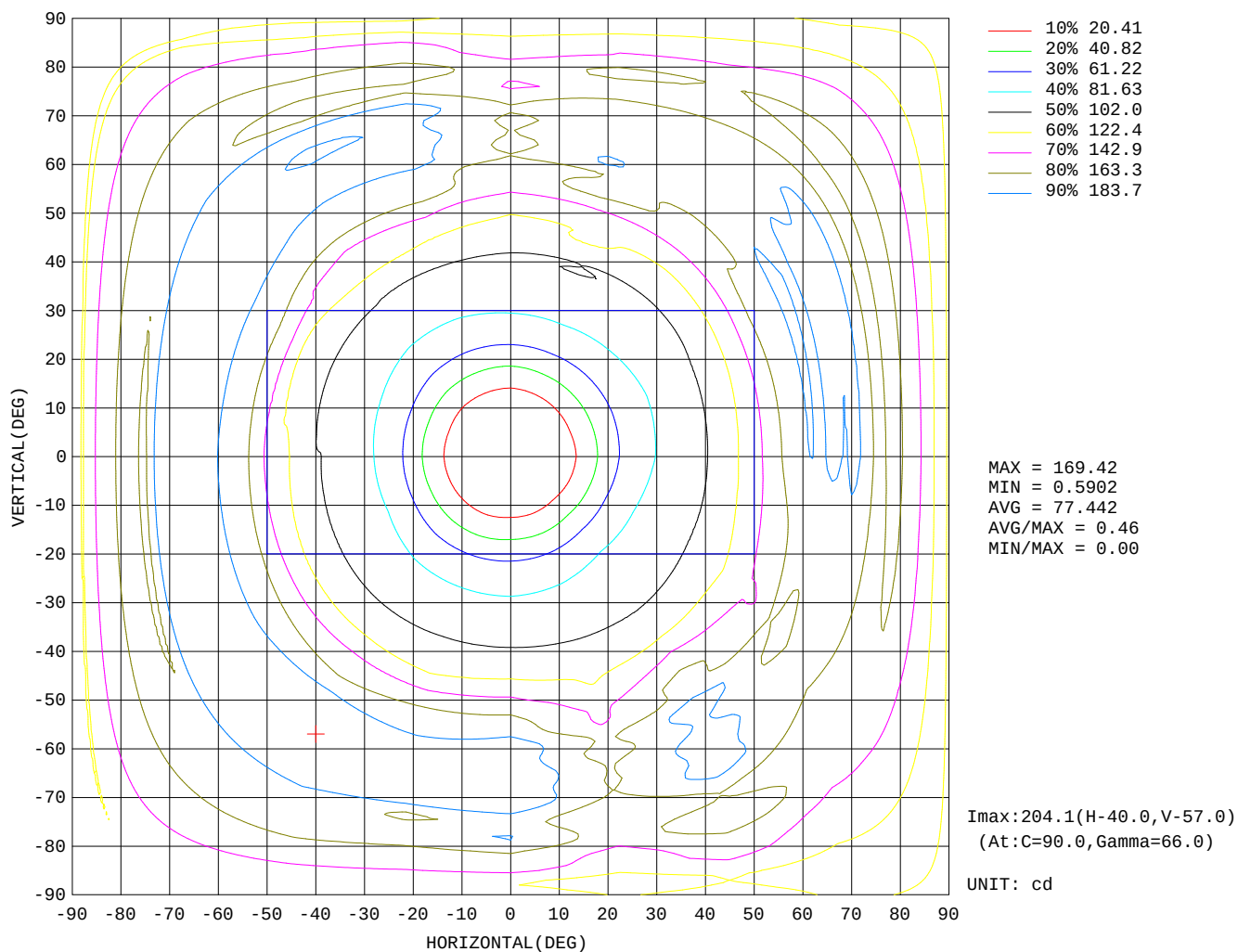
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	8.841	11.49	12.91	9.633	8.372	7.467	8.392	9.202	0- 10	0.3744	0.3744	0.03,0.03
20	50.32	55.30	59.59	51.01	49.35	45.72	51.85	49.55	10- 20	8.774	9.148	0.77,0.77
30	80.65	84.71	91.26	83.06	84.51	78.41	89.95	81.33	20- 30	33.08	42.23	3.56,3.56
40	97.69	98.03	117.8	105.1	100.6	98.22	104.1	92.38	30- 40	58.35	100.6	8.49,8.49
50	135.3	137.8	159.2	140.9	137.8	132.9	134.5	129.4	40- 50	91.14	191.7	16.2,16.2
60	175.9	187.4	213.9	194.2	178.6	163.3	163.4	170.5	50- 60	142.7	334.4	28.2,28.2
70	183.1	185.5	218.1	197.2	189.1	175.0	175.0	170.7	60- 70	182.3	516.7	43.6,43.6
80	163.4	166.0	191.2	173.5	170.7	164.6	164.9	159.7	70- 80	181.0	697.8	58.9,58.9
90	122.9	128.2	152.1	139.3	130.9	122.9	124.5	115.5	80- 90	151.5	849.2	71.7,71.7
100	91.43	95.64	106.6	99.86	92.98	95.30	99.81	96.03	90-100	132.0	981.3	82.8,82.8
110	66.12	73.01	75.76	75.49	66.85	72.05	71.04	72.46	100-110	89.93	1071	90.4,90.4
120	36.33	49.21	40.28	50.37	36.40	48.26	36.84	48.80	110-120	58.94	1130	95.4,95.4
130	15.52	28.05	16.87	28.37	16.95	27.74	15.80	28.02	120-130	30.69	1161	98,98
140	7.596	15.09	7.964	16.02	8.927	17.25	8.084	16.77	130-140	14.03	1175	99.1,99.1
150	4.725	9.102	5.145	10.20	5.453	9.637	5.842	9.553	140-150	6.235	1181	99.7,99.7
160	2.767	5.178	3.331	5.721	3.327	5.963	4.209	5.588	150-160	2.868	1184	99.9,99.9
170	1.825	1.827	2.000	1.977	1.944	1.937	2.069	1.944	160-170	0.9395	1185	100,100
180	0.2230	0.2137	0.2096	0.2008	0.2119	0.2028	0.2096	0.1952	170-180	0.1200	1185	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:

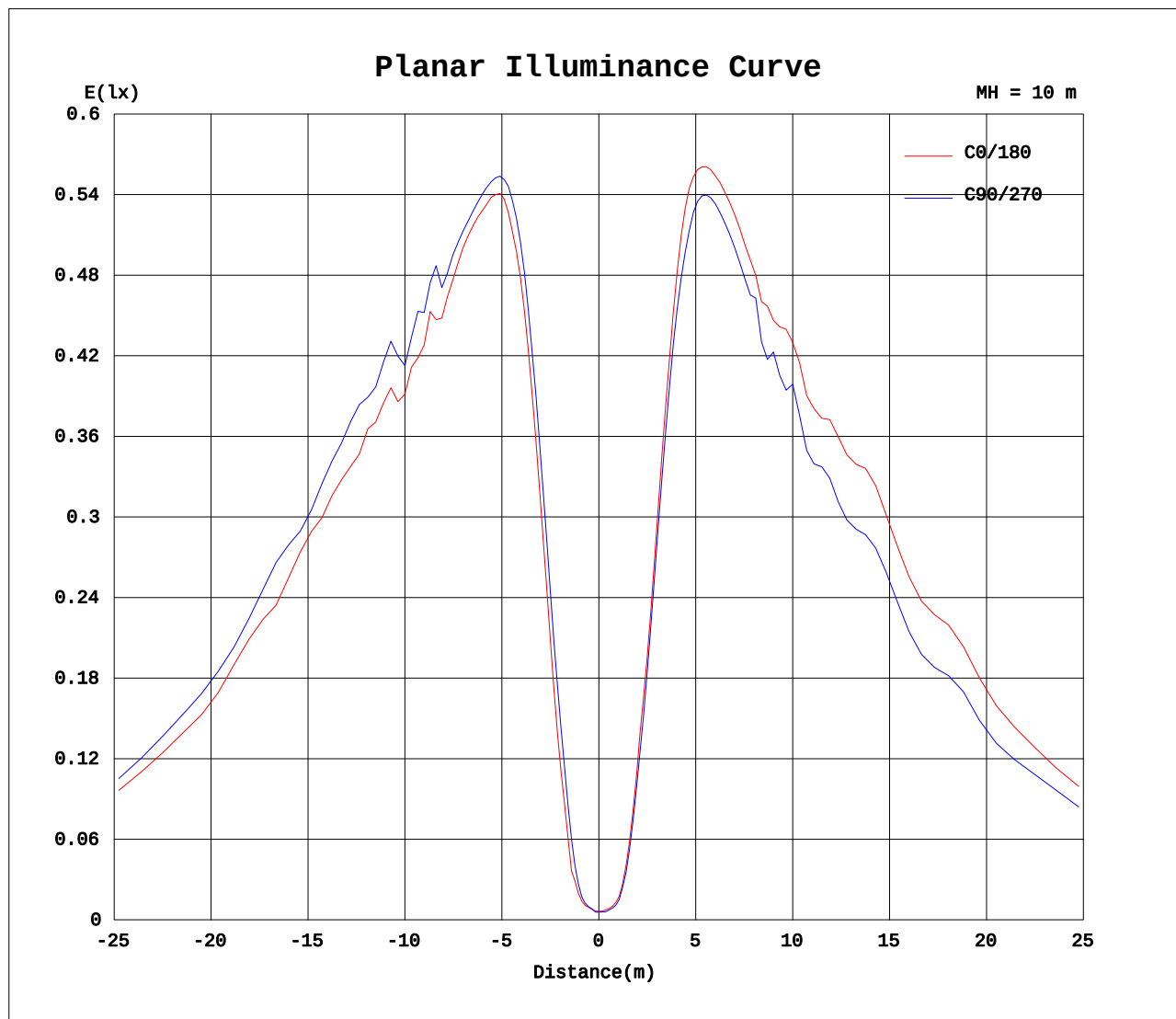
ISOCANDELA DIAGRAM



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



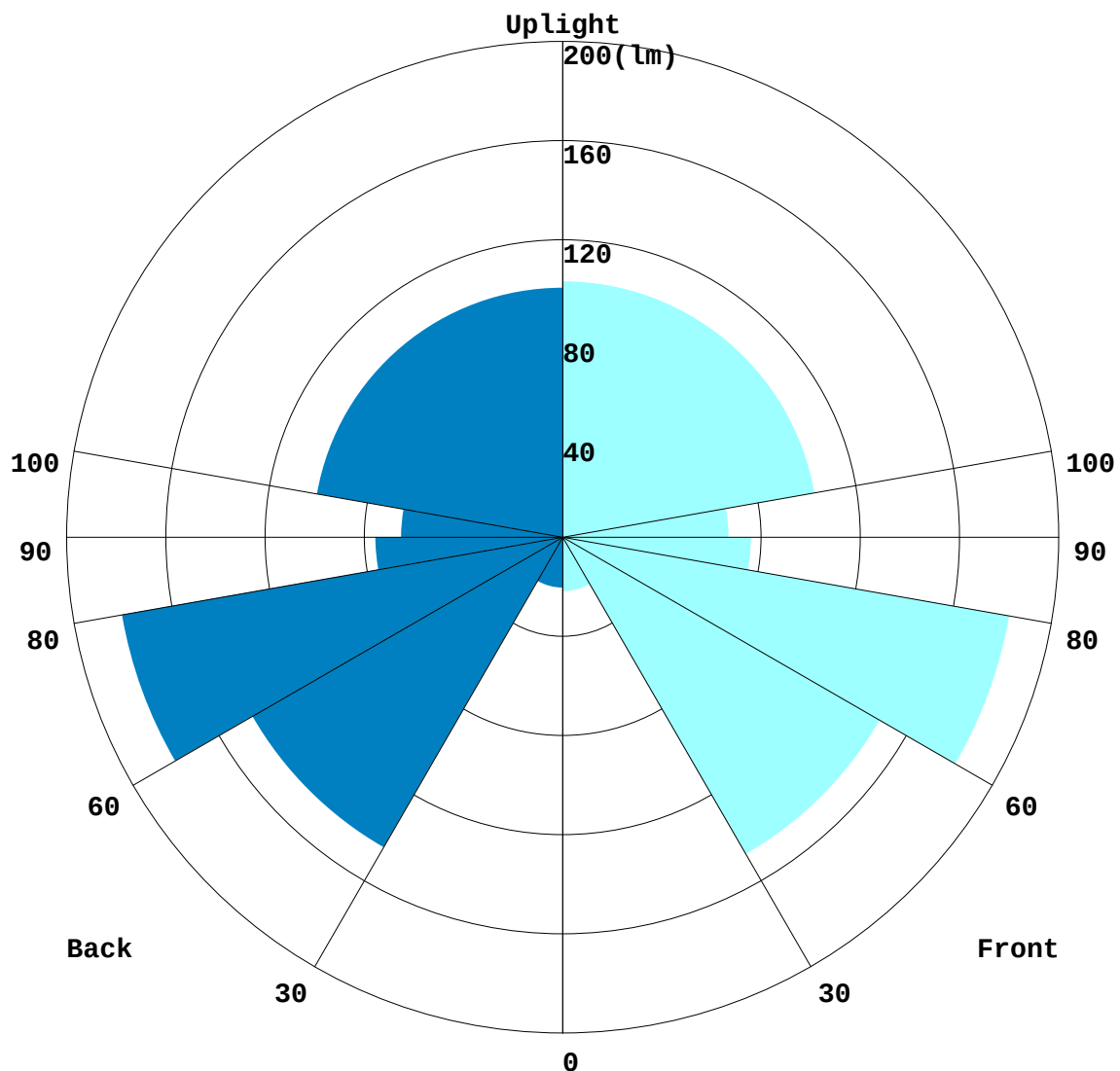
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-10

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:0.1355A P:16.113W PF:0.9916 Freq:59.98Hz Lamp Flux:1185.04x1 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:2022-05-10

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:0.1355A P:16.113W PF:0.9916 Freq:59.98Hz Lamp Flux:1185.04x1 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)	21.834	1.8
FM - Front-Medium(30-60)	147.72	12.5
FH - Front-High(60-80)	182.92	15.4
FVH - Front-Very High(80-90)	75.978	6.4
Total Forward Light	598.53	50.5

BL - Back-Low(0-30)	20.398	1.7
BM - Back-Medium(30-60)	144.47	12.2
BH - Back-High(60-80)	180.45	15.2
BVH - Back-Very High(80-90)	75.479	6.4
Total Back Light	586.51	49.5

UL - Uplight-Low(90-100)	132.04	11.1
UH - Uplight-High(100-180)	203.75	17.2
Total Up Light	335.79	28.3

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	420.8	165.7	586.51
Street Side	428.44	170.09	598.53

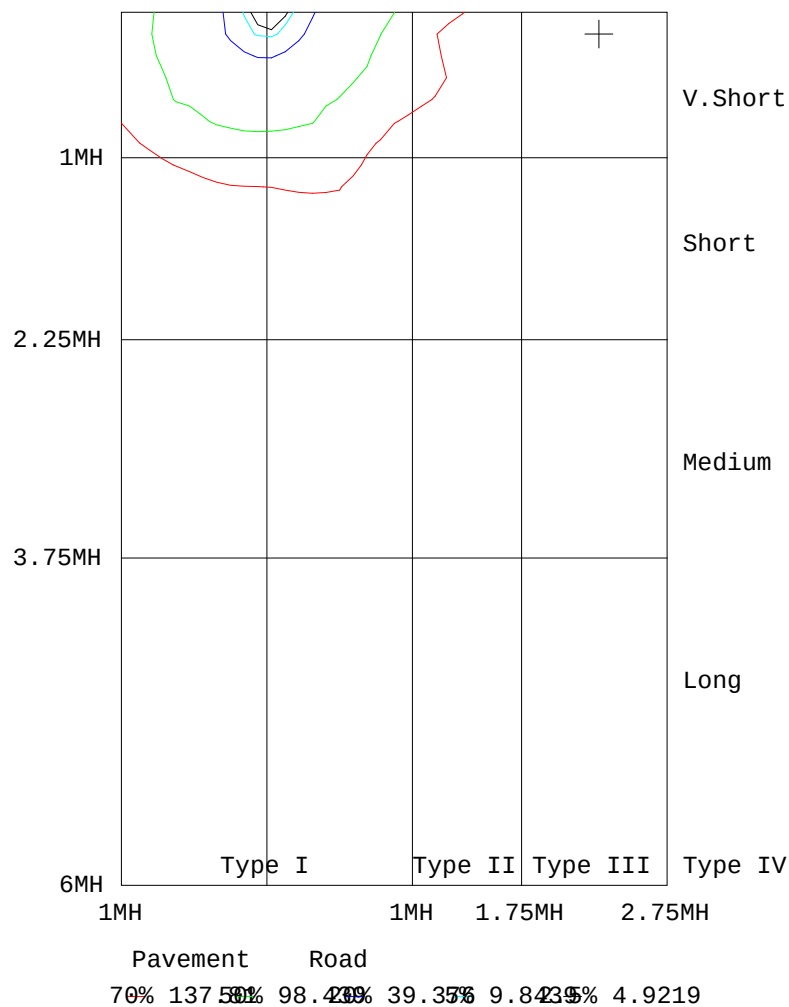
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-10

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:0.1355A P:16.113W PF:0.9916 Freq:59.98Hz Lamp Flux:1185.04x1 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:2022-05-10

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	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64			
5	1.40	1.51	1.67	1.66	1.89	1.67	1.53	1.40	1.30	1.23	1.11	1.16	1.21	1.33	1.37	1.43			
10	8.84	9.79	11.5	11.8	12.9	11.4	9.63	8.78	8.37	8.28	7.47	8.06	8.39	9.23	9.20	9.60			
15	26.7	28.5	31.2	31.5	33.9	30.5	27.8	26.3	24.9	24.9	23.1	24.7	26.2	27.4	26.5	26.9			
20	50.3	53.4	55.3	55.8	59.6	56.0	51.0	50.4	49.4	48.1	45.7	48.1	51.8	52.6	49.5	48.9			
25	69.5	72.5	74.6	75.4	79.7	77.4	71.5	71.7	71.9	68.7	65.8	68.6	74.9	74.6	68.8	67.2			
30	80.7	83.6	84.7	85.8	91.3	89.1	83.1	84.6	84.5	81.0	78.4	82.0	90.0	88.5	81.3	78.2			
35	89.5	90.3	92.9	94.0	101	99.8	91.7	93.4	93.9	89.2	87.9	90.9	99.0	97.9	87.9	86.7			
40	97.7	99.2	98.0	105	118	109	105	102	101	94.6	98.2	98.2	104	111	92.4	94.0			
45	109	102	116	107	127	127	114	116	119	116	113	121	123	120	114	110			
50	135	122	138	126	159	150	141	138	138	142	133	141	135	141	129	131			
55	156	136	166	140	187	178	161	164	168	161	160	169	159	168	155	159			
60	176	159	187	161	214	204	194	182	179	192	163	178	163	173	171	172			
65	182	159	185	163	221	202	201	186	187	190	178	193	172	188	173	177			
70	183	160	186	165	218	203	197	187	189	190	175	189	175	183	171	180			
75	157	143	157	146	187	168	174	159	157	169	152	171	157	166	156	153			
80	163	144	166	148	191	179	173	169	171	169	165	176	165	177	160	163			
85	137	124	138	129	162	153	146	142	143	143	138	148	143	148	136	135			
90	123	116	128	121	152	145	139	133	131	129	123	128	124	126	115	122			
95	109	110	118	116	125	130	121	117	109	116	116	120	114	123	113	113			
100	91.4	93.4	95.6	98.6	107	108	99.9	96.0	93.0	94.0	95.3	96.4	99.8	101	96.0	93.0			
105	80.6	81.9	84.1	86.9	94.3	94.9	87.4	83.9	81.9	81.9	83.2	84.8	88.0	88.3	83.1	81.0			
110	66.1	71.5	73.0	75.4	75.8	82.1	75.5	72.1	66.8	70.7	72.1	73.2	71.0	76.6	72.5	70.4			
115	51.2	60.0	61.1	63.0	59.7	68.3	62.8	59.7	51.2	58.5	60.0	59.2	53.9	62.5	60.7	58.5			
120	36.3	46.9	49.2	48.3	40.3	52.7	50.4	45.9	36.4	45.3	48.3	45.4	36.8	49.0	48.8	45.1			
125	24.3	35.3	37.9	36.1	28.5	39.5	38.7	34.3	25.2	34.2	37.2	34.3	25.7	37.2	37.6	32.9			
130	15.5	25.9	28.0	26.0	16.9	28.3	28.4	25.2	17.0	25.7	27.7	24.0	15.8	26.8	28.0	23.9			
135	10.2	18.3	20.6	18.0	10.58	19.6	20.9	18.5	12.9	19.8	21.9	18.8	12.3	21.1	21.8	17.3			
140	7.60	13.3	15.1	12.8	7.96	14.3	16.0	13.4	8.93	14.4	17.2	14.3	8.08	15.5	16.8	12.8			
145	5.82	9.59	11.5	9.31	6.17	10.49	12.1	9.71	6.20	9.86	12.0	9.70	6.75	11.2	12.2	8.80			
150	4.73	7.58	9.10	7.15	5.14	8.48	10.2	7.93	5.45	8.14	9.64	7.61	5.84	8.75	9.55	6.78			
155	3.57	5.90	7.20	5.35	3.77	6.52	8.20	6.58	4.31	6.46	8.16	6.46	4.83	6.95	7.68	5.49			
160	2.77	4.18	5.18	4.15	3.33	4.88	5.72	4.51	3.33	4.81	5.96	5.14	4.21	5.26	5.59	3.95			
165	2.24	2.91	3.29	2.94	2.67	3.32	3.54	3.11	2.57	3.20	3.66	3.60	3.29	3.56	3.41	2.81			
170	1.83	1.83	1.83	1.91	2.00	2.04	1.98	1.97	1.94	1.95	1.94	2.03	2.07	2.06	1.94	1.84			
175	0.87	0.85	0.85	0.93	0.99	0.90	0.91	0.93	0.85	0.93	0.85	0.92	0.97	0.98	0.90	0.92			
180	0.22	0.20	0.21	0.20	0.21	0.20	0.20	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: