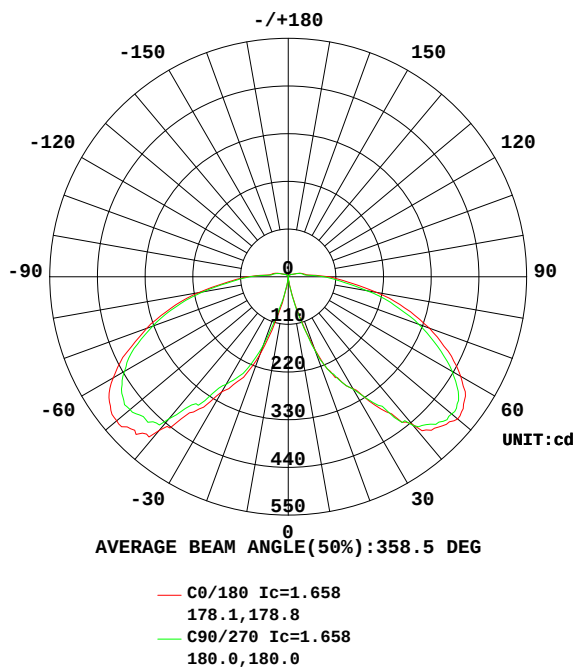
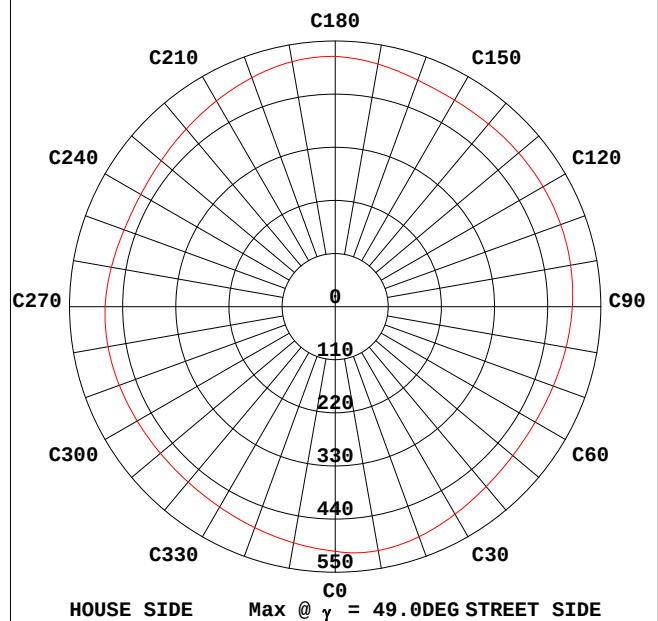


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.87V I:0.1350A P:16.050W PF:0.9917 Freq:59.98Hz Lamp Flux:2118.19x1 lm					
NAME: PLTS-12359 16W 3000K			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.: 0.02*1		Shielding Angle:

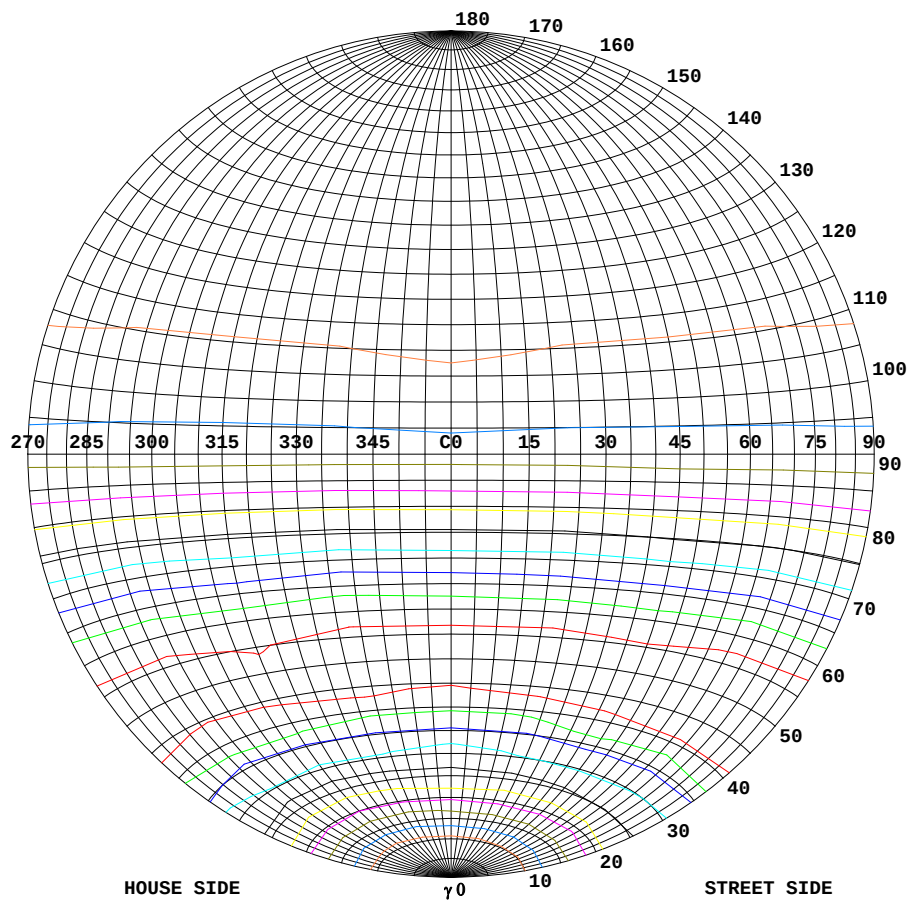
DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.97 lm/W			
MODEL		I _{max} (cd)	518.2	η street_up(%)	3.2
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	46.8
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2118	η house_up(%)	3.3
NOMINAL FLUX(lm)	2118.19	MAXIMUM @(C,γ)	180,49.0	η house_down(%)	46.7
LAMPS INSIDE	1	η up(%)	6.5	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	93.5	SLI	20.412

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: 2022-05-09

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:

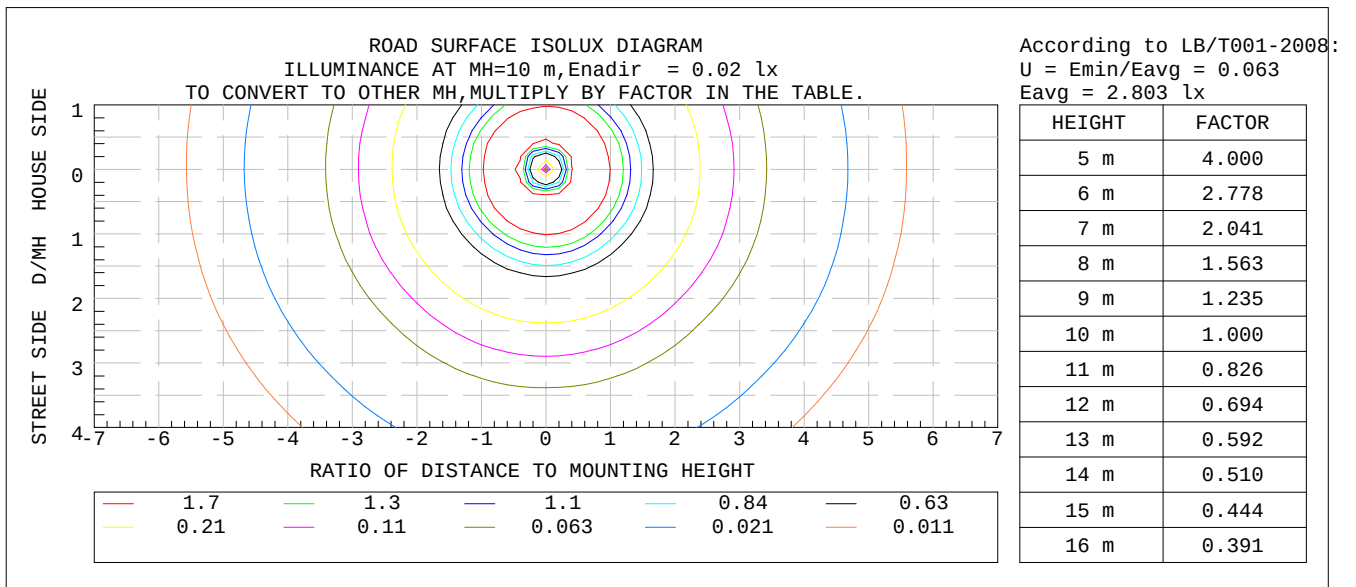
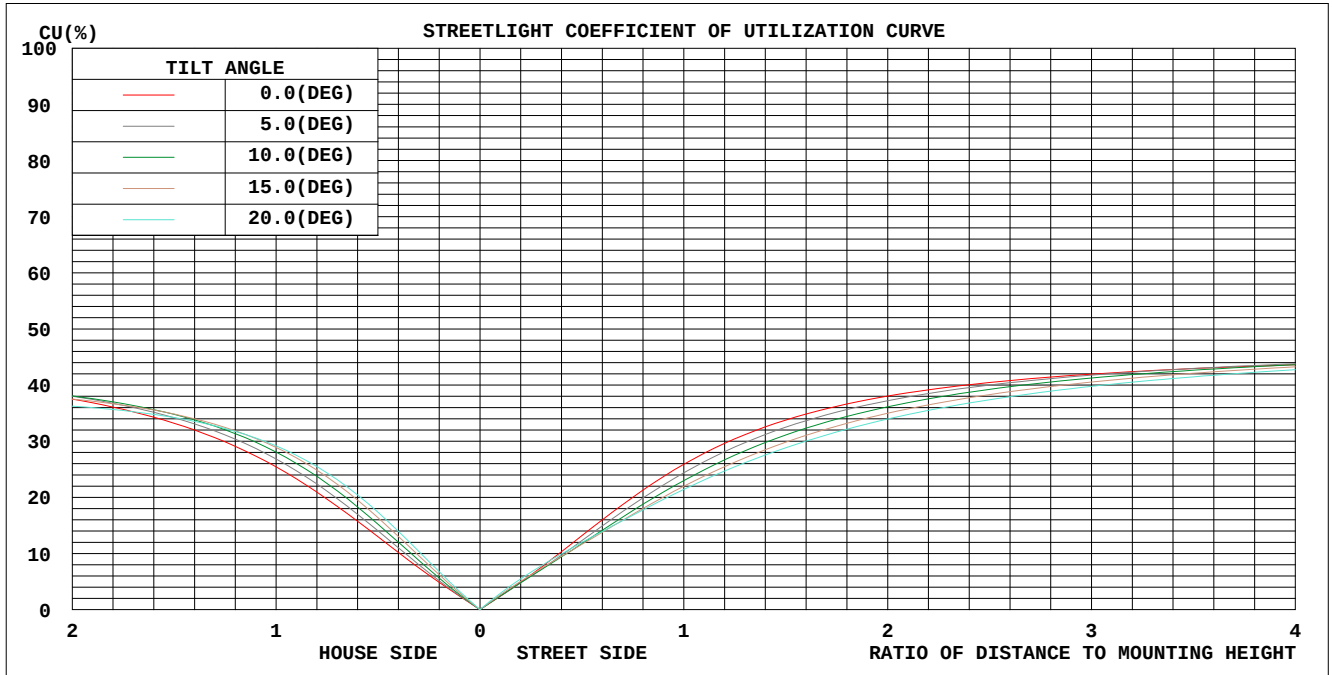
IES:Type V - Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Semi-cut-off
 Max.At80:99.02cd/klm
 Max.At90:44.66cd/klm
 Max.80-90:99.02cd/klm
 NRB 5101:Semi limited[12.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	518
90%	466
80%	415
70%	363
60%	311
50%	259
40%	207
30%	155
20%	104
10%	52
5%	26

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JINZHI
 Test Date:2022-05-09

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: 2022-05-09

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:

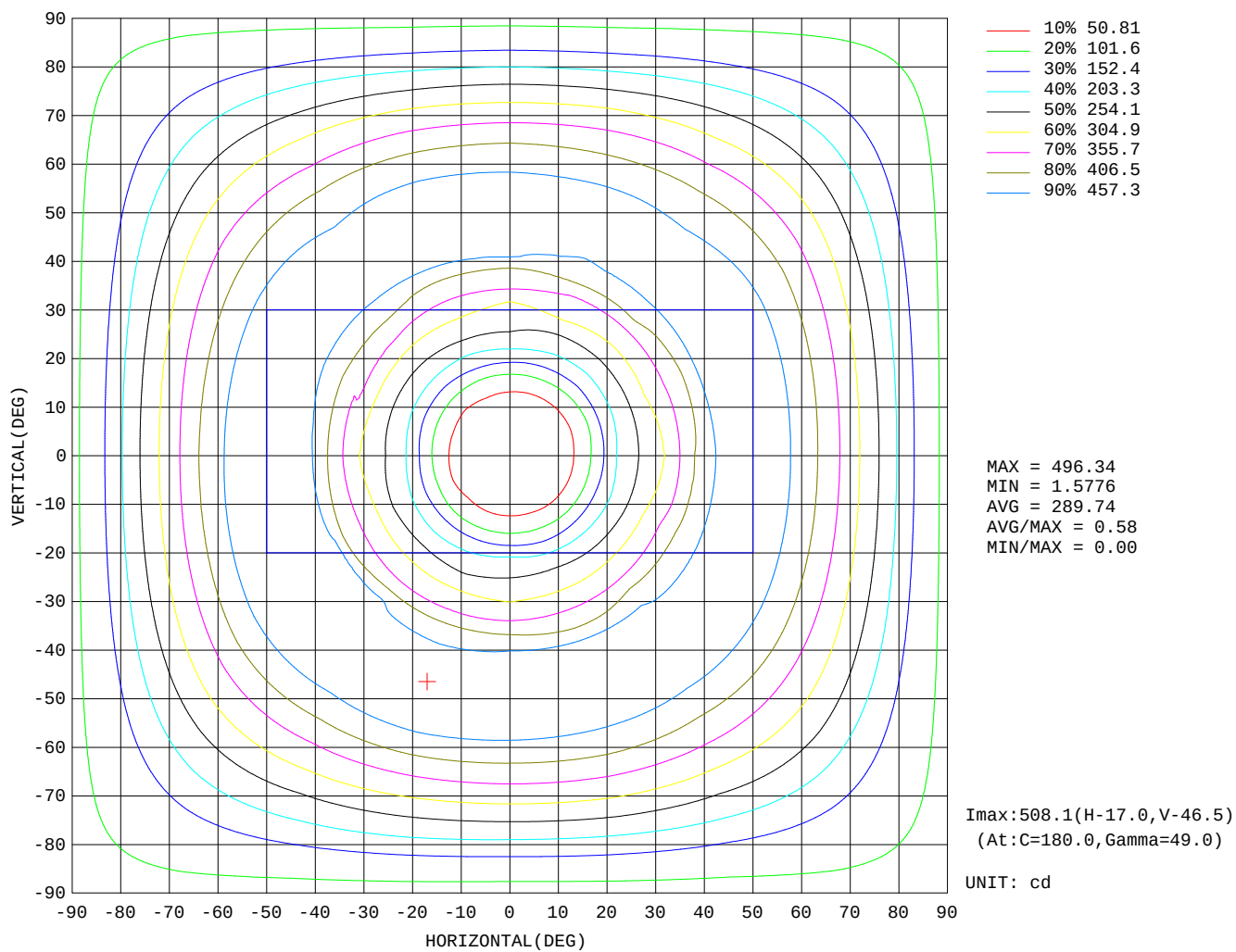
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	20.95	22.89	24.56	26.49	25.39	21.33	18.63	18.07	0- 10	0.8335	0.8335	0.04,0.04
20	176.4	172.3	181.4	180.3	190.2	163.3	168.8	156.0	10- 20	26.45	27.29	1.29,1.29
30	298.4	313.3	298.9	309.1	306.2	302.6	287.1	294.4	20- 30	114.0	141.3	6.67,6.67
40	442.9	452.3	447.9	460.4	463.0	444.5	427.7	445.8	30- 40	234.6	375.9	17.7,17.7
50	510.5	480.0	492.3	490.6	516.6	471.7	476.6	475.8	40- 50	368.3	744.2	35.1,35.1
60	459.1	428.5	436.8	440.7	466.1	432.3	436.4	432.2	50- 60	424.1	1168	55.2,55.2
70	346.2	317.5	320.1	320.5	347.0	326.4	332.4	328.1	60- 70	384.5	1553	73.3,73.3
80	205.4	185.6	183.1	190.2	208.0	200.3	199.8	198.8	70- 80	280.1	1833	86.5,86.5
90	93.40	85.48	82.06	85.58	94.60	90.67	89.51	90.55	80- 90	146.7	1980	93.5,93.5
100	37.52	38.89	35.21	38.85	38.06	39.51	35.01	39.18	90-100	60.35	2040	96.3,96.3
110	22.95	26.92	22.21	27.68	23.67	27.31	22.21	27.04	100-110	34.19	2074	97.9,97.9
120	11.94	15.32	11.67	15.27	12.45	16.01	11.87	15.73	110-120	19.33	2093	98.8,98.8
130	8.470	11.47	8.359	11.30	8.796	11.53	8.247	11.58	120-130	10.76	2104	99.3,99.3
140	6.003	8.674	5.874	8.524	6.040	8.645	5.803	8.852	130-140	6.807	2111	99.7,99.7
150	5.011	6.347	4.669	6.373	4.763	6.414	4.620	6.577	140-150	4.096	2115	99.9,99.9
160	3.631	3.896	2.815	3.651	3.469	3.965	3.315	4.145	150-160	2.095	2117	100,100
170	2.539	1.957	2.044	2.033	2.404	2.269	2.549	2.516	160-170	0.8525	2118	100,100
180	0.7486	0.8317	0.9657	0.9618	0.7486	0.8597	0.9657	0.9788	170-180	0.1696	2118	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:2022-05-09

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:

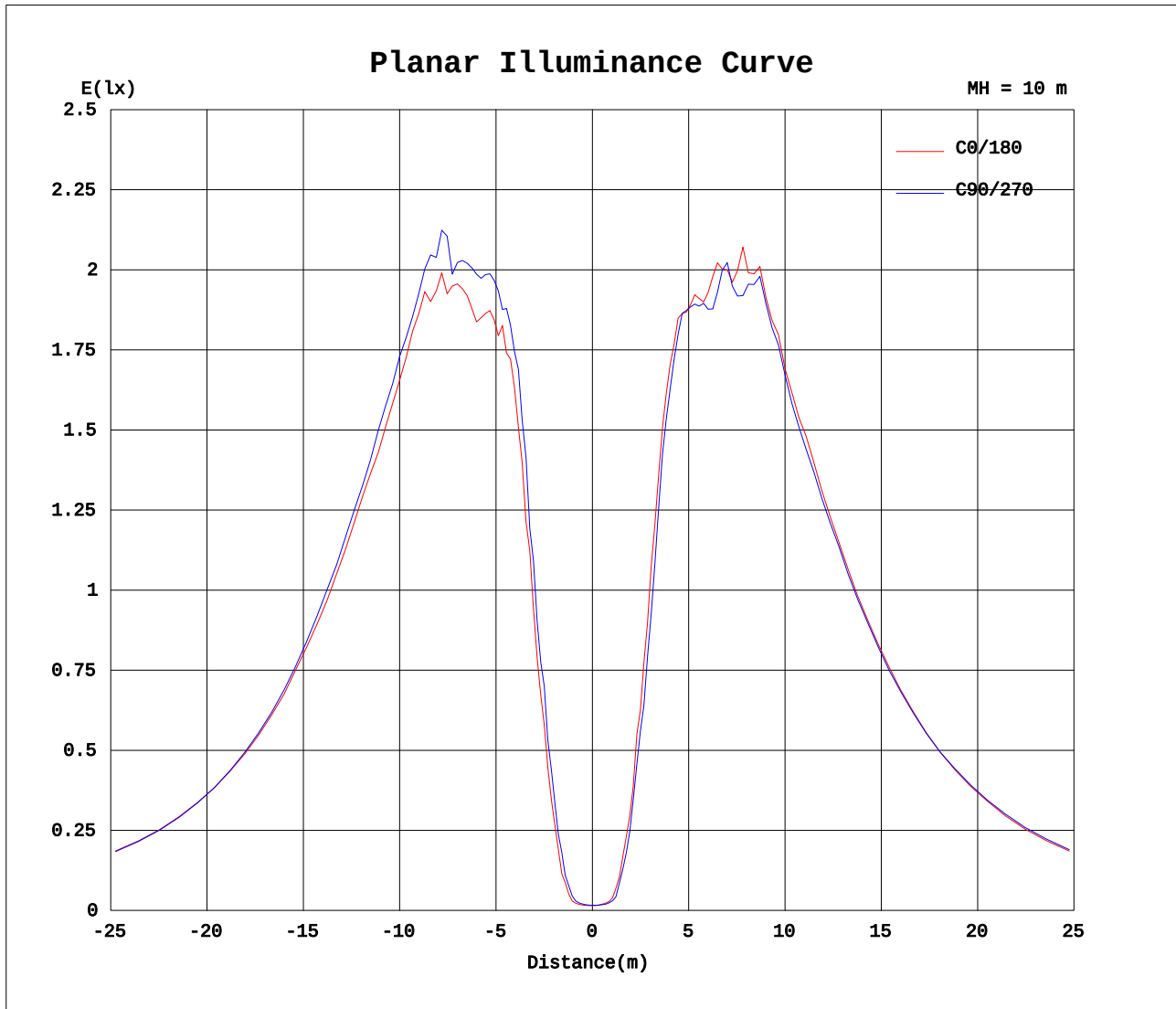
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-09

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



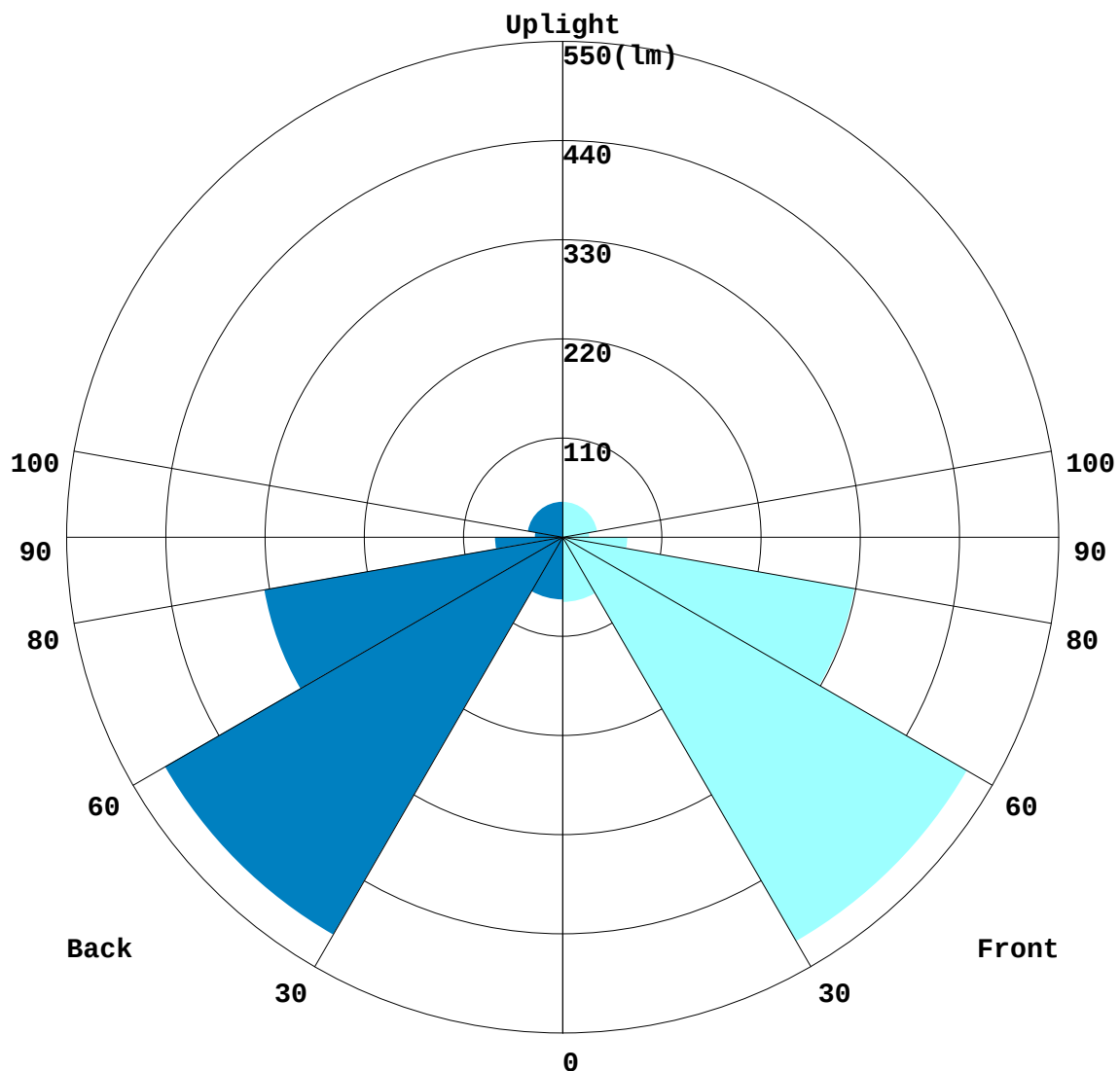
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-09

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:119.87V I:0.1350A P:16.050W PF:0.9917 Freq:59.98Hz Lamp Flux:2118.19x1 lm		
NAME: PLTS-12359 16W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*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:2022-05-09

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:119.87V I:0.1350A P:16.050W PF:0.9917 Freq:59.98Hz Lamp Flux:2118.19x1 lm		
NAME: PLTS-12359 16W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*1	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	72.004	3.4
FM - Front-Medium(30-60)	517.74	24.4
FH - Front-High(60-80)	328.81	15.5
FVH - Front-Very High(80-90)	71.784	3.4
Total Forward Light	1059	50.0

BL - Back-Low(0-30)	69.267	3.3
BM - Back-Medium(30-60)	509.21	24.0
BH - Back-High(60-80)	335.85	15.9
BVH - Back-Very High(80-90)	74.879	3.5
Total Back Light	1059.2	50.0

UL - Uplight-Low(90-100)	60.352	2.8
UH - Uplight-High(100-180)	78.289	3.7
Total Up Light	138.64	6.5

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	989.2	70.026	1059.2
Street Side	990.34	68.615	1059

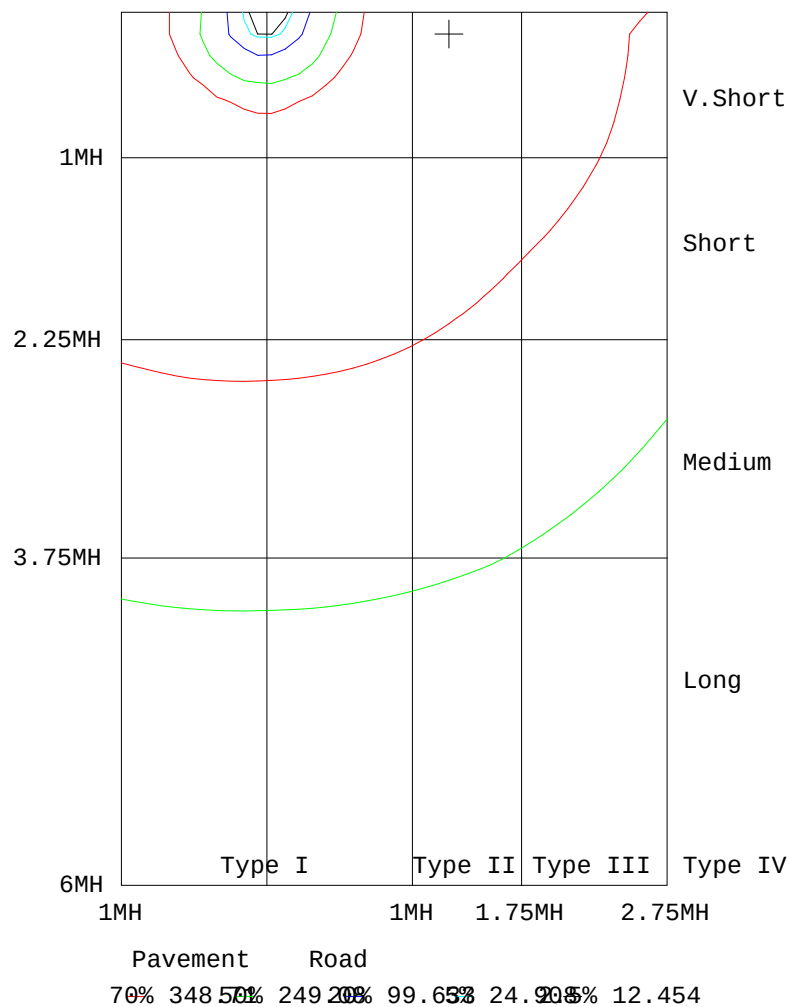
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-09

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:119.87V I:0.1350A P:16.050W PF:0.9917 Freq:59.98Hz Lamp Flux:2118.19x1 lm		
NAME: PLTS-12359 16W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*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:2022-05-09

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	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66			
5	2.48	2.56	2.78	2.83	3.06	3.09	3.32	3.12	3.09	3.02	2.71	2.60	2.42	2.35	2.31	2.27			
10	20.9	22.7	22.9	23.7	24.6	25.5	26.5	25.0	25.4	26.0	21.3	21.4	18.6	18.9	18.1	18.1			
15	78.1	76.6	78.3	82.6	84.6	85.3	88.2	84.4	89.9	83.3	76.6	69.0	69.9	69.4	68.9	62.9			
20	176	176	172	170	181	175	180	176	190	178	163	161	169	166	156	164			
25	257	249	244	251	248	239	242	243	262	246	239	242	246	231	235	234			
30	298	316	313	306	299	304	309	320	306	320	303	298	287	301	294	306			
35	373	370	376	359	362	358	367	369	381	371	360	353	362	347	356	361			
40	443	434	452	441	448	427	460	462	463	440	444	435	428	410	446	449			
45	490	491	477	469	481	480	486	487	501	492	473	461	465	460	472	476			
50	511	504	480	478	492	493	491	501	517	507	472	465	477	477	476	485			
55	496	489	467	469	480	480	478	494	504	497	462	461	469	459	463	478			
60	459	453	429	431	437	434	441	454	466	459	432	430	436	432	432	445			
65	407	399	377	378	380	377	382	395	410	402	384	385	393	386	385	397			
70	346	339	317	319	320	318	321	335	347	344	326	328	332	329	328	338			
75	278	273	254	253	253	253	255	268	280	279	265	264	268	265	268	272			
80	205	200	186	184	183	187	190	199	208	210	200	195	200	196	199	202			
85	137	133	122	121	122	123	126	133	139	138	132	128	131	129	132	133			
90	93.4	91.8	85.5	82.7	82.1	83.3	85.6	89.6	94.6	94.2	90.7	87.8	89.5	88.2	90.5	91.1			
95	47.2	53.0	50.7	48.5	43.0	47.6	49.6	51.6	47.9	54.4	53.7	50.8	44.3	51.5	54.6	53.7			
100	37.5	39.9	38.9	37.2	35.2	37.2	38.9	40.0	38.1	40.3	39.5	37.6	35.0	37.1	39.2	39.1			
105	31.2	34.0	32.8	31.9	29.9	32.7	33.9	34.5	31.9	34.1	33.4	31.9	29.3	31.5	33.1	33.1			
110	23.0	27.5	26.9	26.1	22.2	26.5	27.7	27.9	23.7	26.9	27.3	25.9	22.2	25.8	27.0	26.6			
115	15.8	20.5	20.1	19.2	15.4	19.2	20.3	20.4	16.5	20.0	20.8	19.8	15.8	19.5	20.6	19.9			
120	11.9	15.2	15.3	14.4	11.7	14.1	15.3	15.1	12.5	15.2	16.0	15.0	11.9	14.7	15.7	14.9			
125	9.93	12.4	13.0	11.9	9.75	11.5	12.8	12.3	10.35	12.4	13.3	12.1	9.72	11.9	13.2	12.2			
130	8.47	10.7	11.5	10.3	8.36	9.87	11.3	10.6	8.80	10.5	11.5	10.2	8.25	10.1	11.6	10.4			
135	7.11	9.20	10.1	8.92	7.12	8.51	9.84	8.99	7.42	8.95	10.1	8.66	6.99	8.67	10.2	8.99			
140	6.00	7.83	8.67	7.60	5.87	7.30	8.52	7.58	6.04	7.54	8.65	7.38	5.80	7.40	8.85	7.76			
145	5.62	6.72	7.49	6.47	5.28	6.32	7.49	6.53	5.40	6.50	7.53	6.32	5.18	6.40	7.70	6.68			
150	5.01	5.60	6.35	5.36	4.67	5.30	6.37	5.35	4.76	5.50	6.41	5.37	4.62	5.41	6.58	5.50			
155	4.13	4.60	5.07	4.25	3.56	4.07	4.95	4.22	3.96	4.51	5.13	4.30	3.83	4.37	5.30	4.59			
160	3.63	3.90	3.90	3.30	2.81	3.14	3.65	3.46	3.47	3.81	3.96	3.55	3.31	3.62	4.15	3.90			
165	3.26	3.16	2.80	2.54	2.37	2.60	2.80	2.77	3.05	3.13	3.12	2.98	2.90	3.05	3.26	3.24			
170	2.54	2.19	1.96	1.96	2.04	2.04	2.03	2.12	2.40	2.39	2.27	2.36	2.55	2.51	2.52	2.53			
175	1.57	1.41	1.29	1.32	1.35	1.42	1.44	1.61	1.44	1.64	1.54	1.63	1.75	1.81	1.74	1.76			
180	0.75	0.74	0.83	0.95	0.97	0.97	0.96	0.93	0.75	0.74	0.86	0.96	0.97	0.97	0.98	0.96			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-09

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: