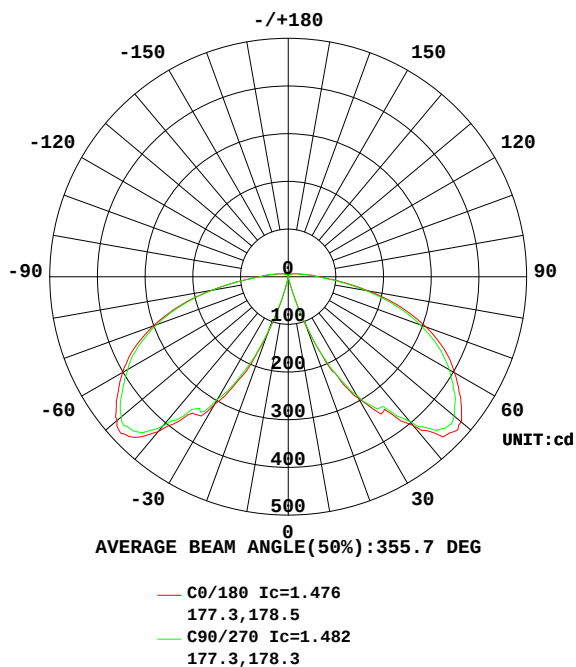
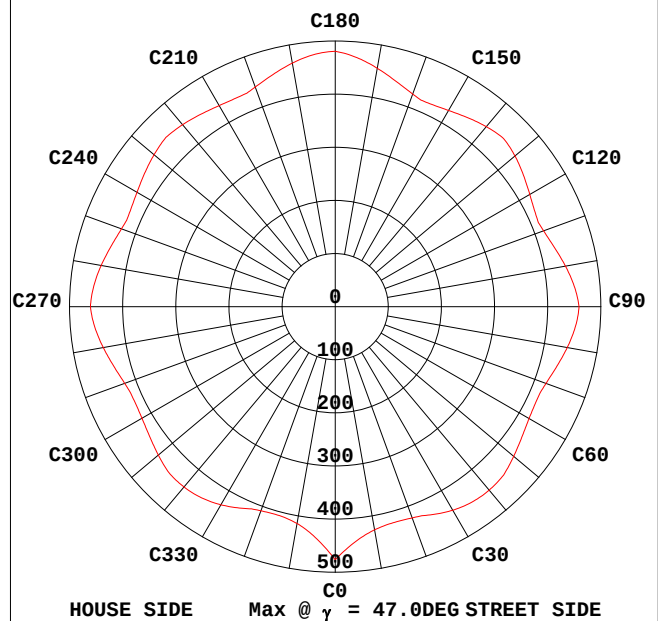


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.86V I:0.1364A P:16.191W PF:0.9899 Freq:59.98Hz Lamp Flux:1859.89x1 lm		
NAME: PLTS-12361 16W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.595*0.595	Shielding Angle:

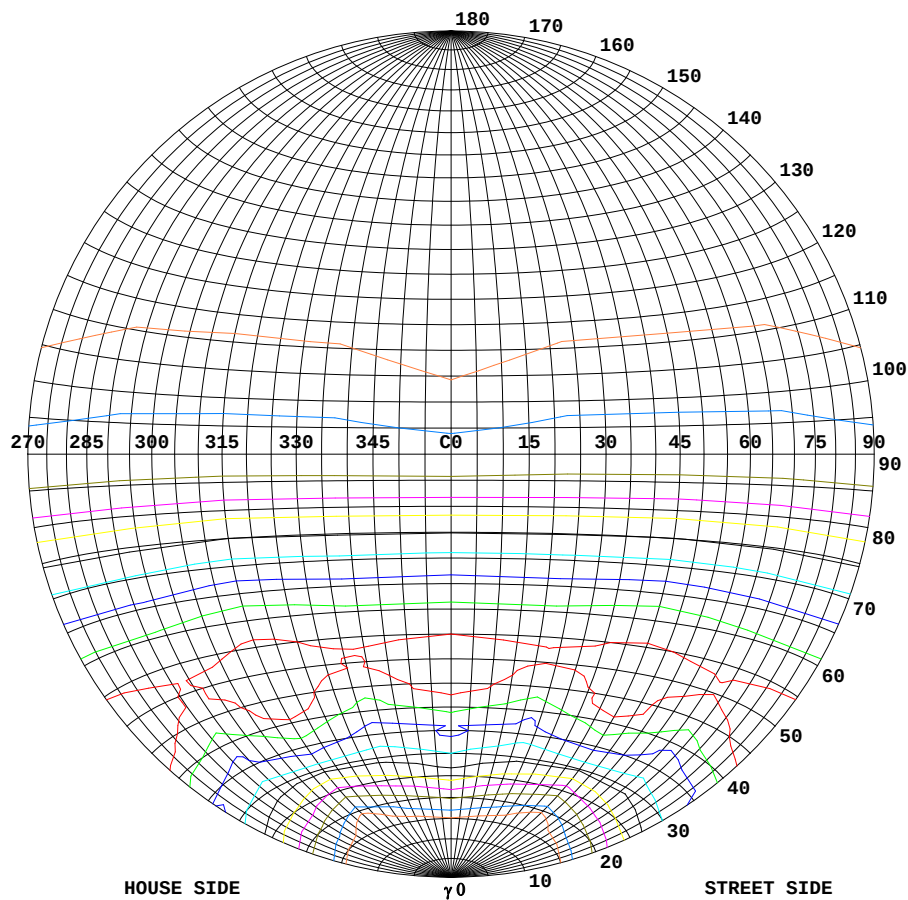
DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.87 lm/W			
MODEL		I _{max} (cd)	480.8	η street_up(%)	3.6
NOMINAL POWER(W)	25	LOR(%)	100.0	η street_down(%)	46.4
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1860	η house_up(%)	3.5
NOMINAL FLUX(lm)	1859.89	MAXIMUM @(C,γ)	180,47.0	η house_down(%)	46.5
LAMPS INSIDE	1	η up(%)	7.1	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	92.9	SLI	20.261

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:

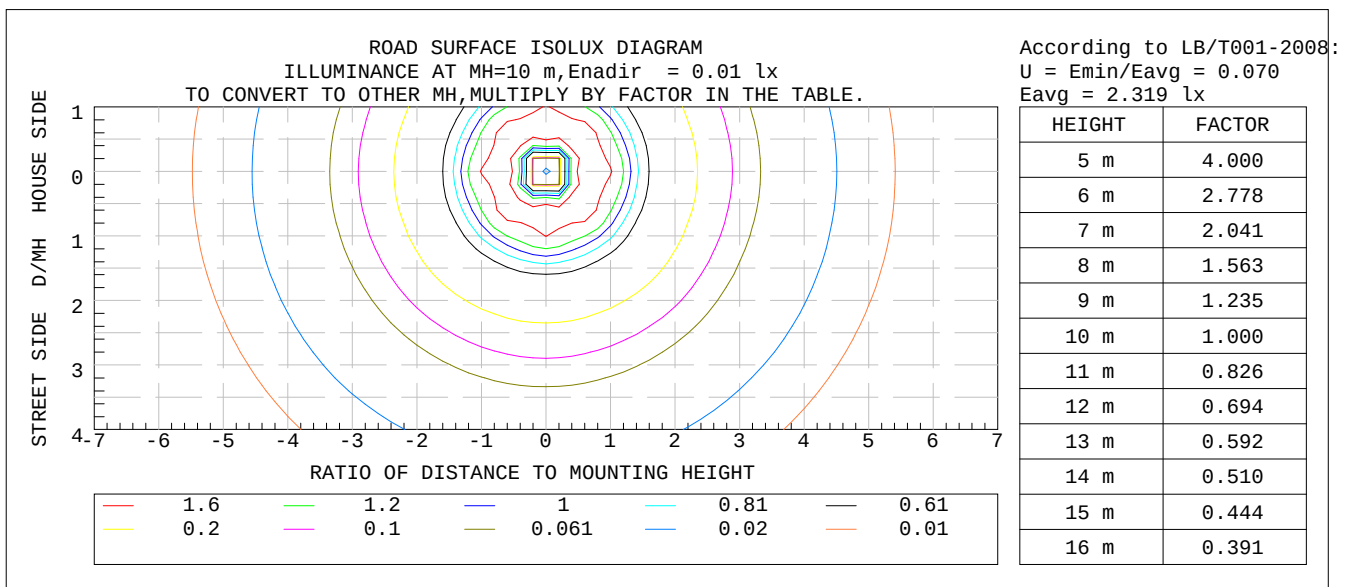
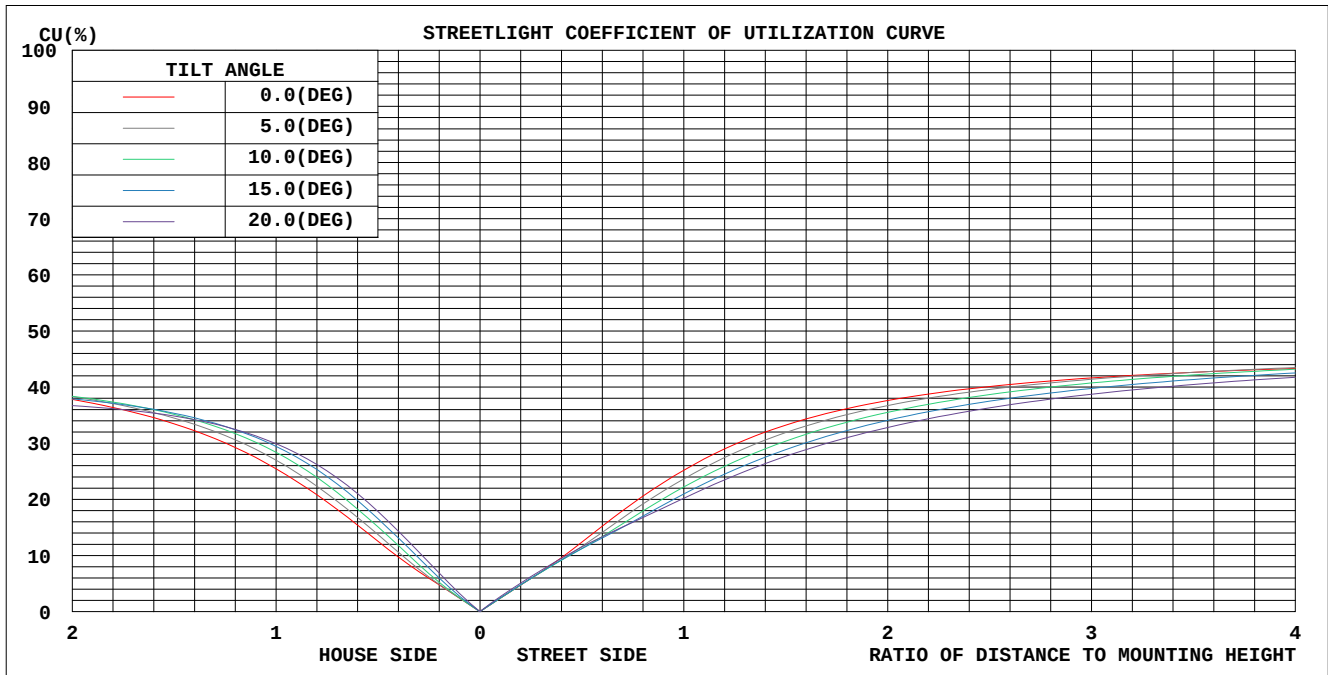
IES:Type V - Short
 CIE:Average - Short
 IES:None cut-off
 CIE:Semi-cut-off
 Max.At80:93.25cd/klm
 Max.At90:38.02cd/klm
 Max.80-90:93.25cd/klm
 NRB 5101:Semi limited[12.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	481
90%	433
80%	385
70%	337
60%	288
50%	240
40%	192
30%	144
20%	96
10%	48
5%	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:

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:

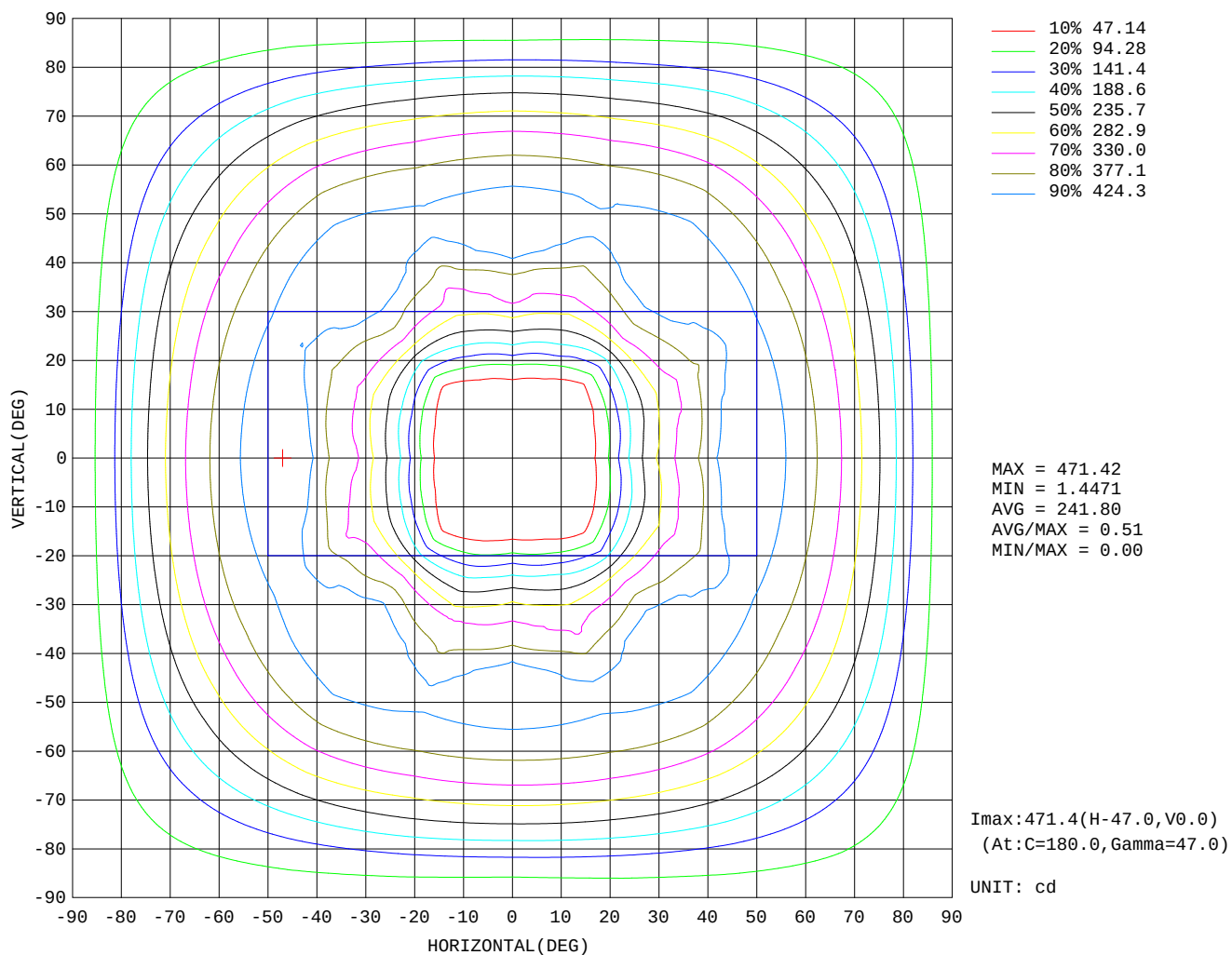
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	3.370	3.350	3.343	3.231	3.089	3.375	3.373	3.294	0- 10	0.2298	0.2298	0.01,0.01
20	103.9	29.26	107.0	37.18	125.3	41.08	119.1	33.52	10- 20	8.231	8.461	0.45,0.45
30	294.2	249.7	287.3	263.7	309.5	275.1	296.2	259.0	20- 30	84.70	93.16	5.01,5.01
40	407.0	416.8	395.7	425.5	423.9	431.1	408.9	411.0	30- 40	211.4	304.6	16.4,16.4
50	473.6	444.6	453.9	442.9	468.6	446.3	456.8	438.2	40- 50	331.4	636.0	34.2,34.2
60	402.9	405.6	390.5	397.6	400.8	404.5	388.5	398.8	50- 60	381.3	1017	54.7,54.7
70	306.8	303.9	293.9	292.6	300.7	296.1	292.9	296.6	60- 70	346.6	1364	73.3,73.3
80	170.7	171.8	164.1	158.7	162.6	162.9	160.9	166.9	70- 80	246.1	1610	86.6,86.6
90	65.01	70.27	62.17	66.34	61.96	67.00	60.52	67.99	80- 90	117.1	1727	92.9,92.9
100	31.35	41.58	30.92	39.13	30.63	40.00	31.09	40.35	90-100	55.25	1782	95.8,95.8
110	18.69	25.55	18.49	24.15	18.49	24.83	18.37	24.94	100-110	31.34	1814	97.5,97.5
120	12.74	17.72	12.80	16.87	12.75	17.27	12.63	17.27	110-120	19.06	1833	98.5,98.5
130	9.391	13.20	9.553	12.60	9.412	12.73	9.422	12.77	120-130	12.12	1845	99.2,99.2
140	6.878	9.489	7.085	8.918	6.936	8.857	6.955	9.031	130-140	7.524	1852	99.6,99.6
150	5.575	6.021	5.489	5.605	5.374	5.517	5.367	5.698	140-150	4.316	1857	99.8,99.8
160	3.839	4.209	3.585	3.905	3.638	3.929	3.531	4.035	150-160	2.188	1859	99.9,99.9
170	2.103	2.209	1.995	1.982	1.931	1.954	1.953	2.071	160-170	0.8855	1860	100,100
180	0.4630	0.4751	0.4507	0.4645	0.4630	0.4638	0.4451	0.4645	170-180	0.1406	1860	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:

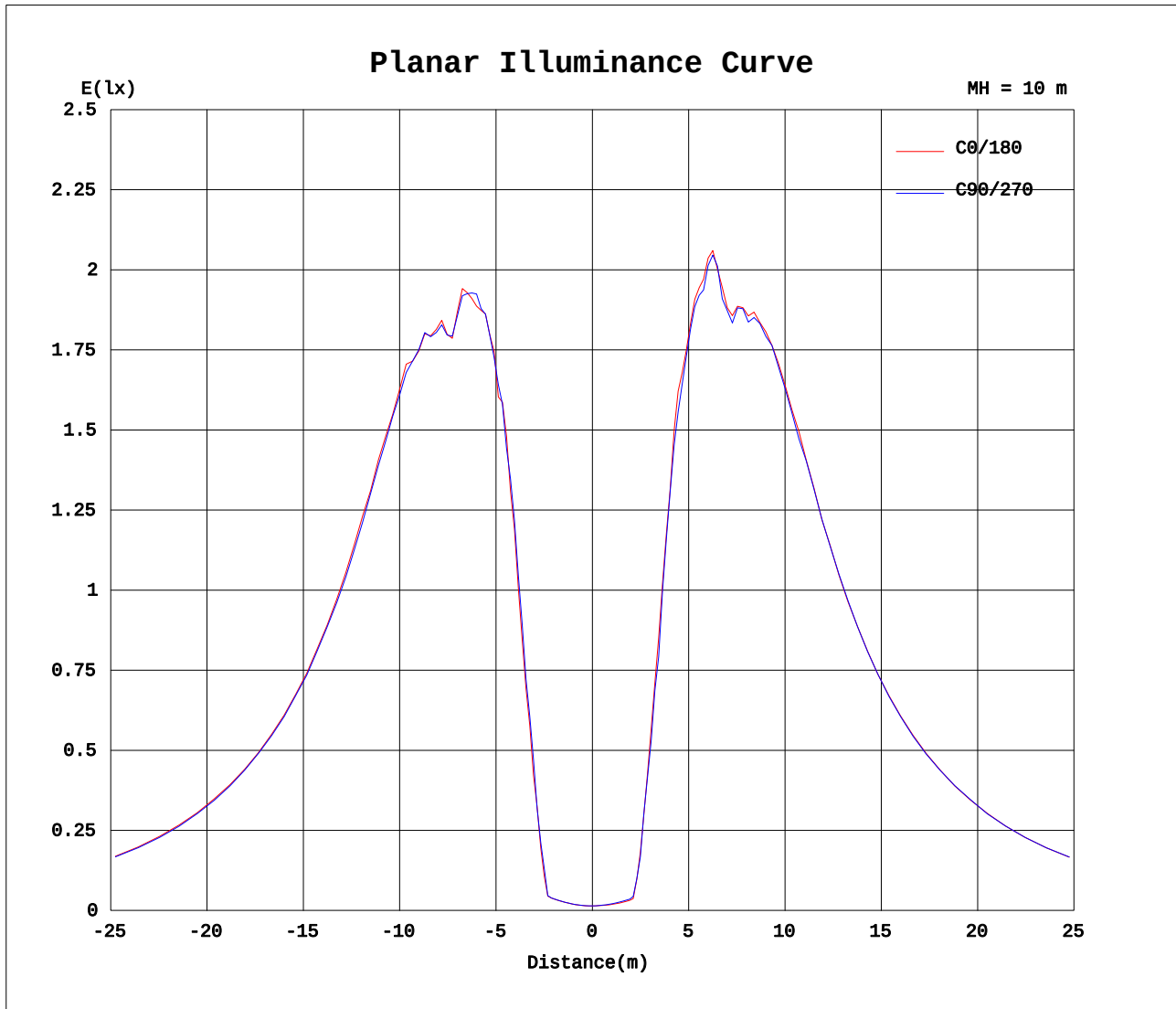
ISOCANDELA DIAGRAM



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



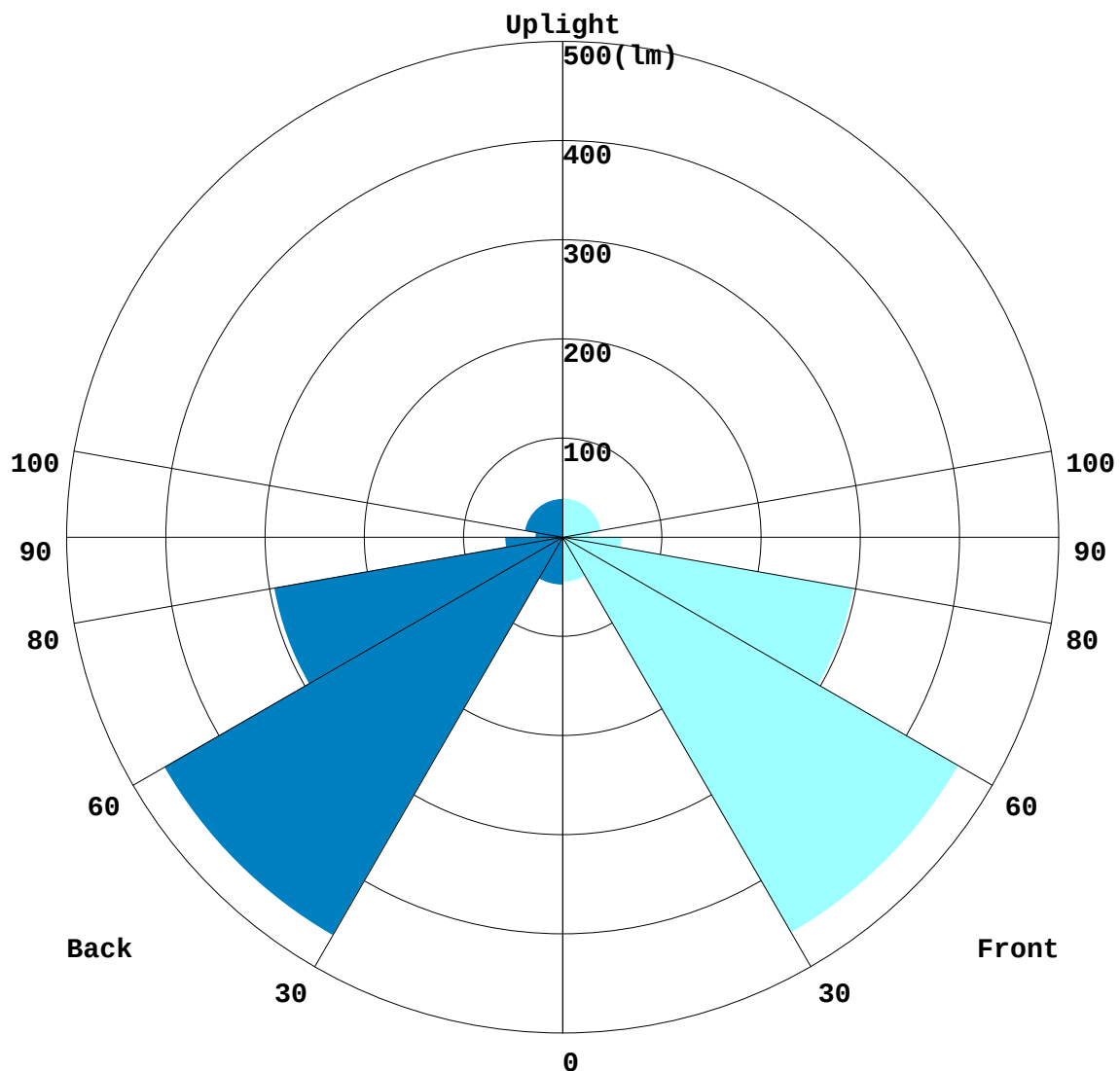
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-10

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:119.86V I:0.1364A P:16.191W PF:0.9899 Freq:59.98Hz Lamp Flux:1859.89x1 lm		
NAME: PLTS-12361 16W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.595*0.595	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:119.86V I:0.1364A P:16.191W PF:0.9899 Freq:59.98Hz Lamp Flux:1859.89x1 lm		
NAME: PLTS-12361 16W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.595*0.595	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	45.143	2.4
FM - Front-Medium(30-60)	460.6	24.8
FH - Front-High(60-80)	297.55	16.0
FVH - Front-Very High(80-90)	59.307	3.2
Total Forward Light	929.52	50.0

BL - Back-Low(0-30)	48.018	2.6
BM - Back-Medium(30-60)	463.58	24.9
BH - Back-High(60-80)	295.12	15.9
BVH - Back-Very High(80-90)	57.754	3.1
Total Back Light	930.38	50.0

UL - Uplight-Low(90-100)	55.25	3.0
UH - Uplight-High(100-180)	77.566	4.2
Total Up Light	132.82	7.1

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	864.48	65.903	930.38
Street Side	862.6	66.914	929.52

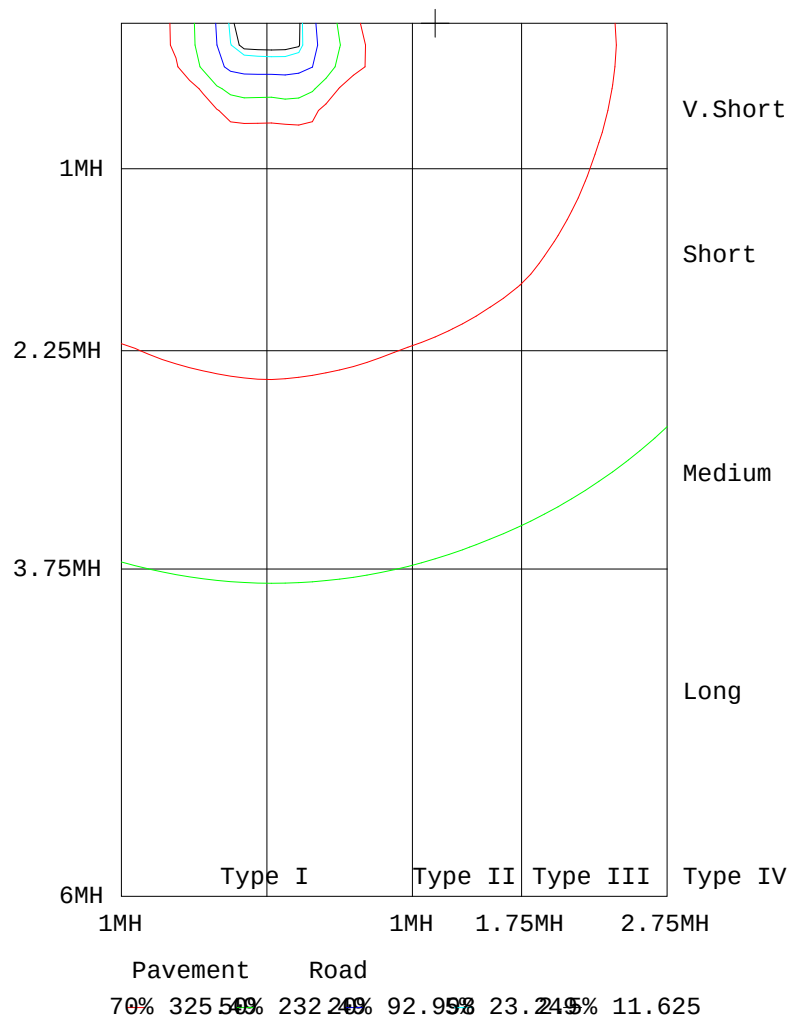
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-10

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:119.86V I:0.1364A P:16.191W PF:0.9899 Freq:59.98Hz Lamp Flux:1859.89x1 lm		
NAME: PLTS-12361 16W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.595*0.595	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	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48			
5	1.93	1.89	1.90	1.84	1.91	1.96	1.97	1.89	1.88	1.98	2.00	2.10	1.98	1.97	1.93	1.96			
10	3.37	3.38	3.35	3.35	3.34	3.37	3.23	3.12	3.09	3.29	3.37	3.55	3.37	3.39	3.29	3.35			
15	22.1	11.0	5.86	12.5	23.4	11.0	5.35	19.6	34.0	20.5	5.63	19.3	33.6	18.5	5.55	11.1			
20	104	71.7	29.3	79.0	107	74.6	37.2	89.6	125	93.5	41.1	89.2	119	86.1	33.5	76.7			
25	217	171	124	183	211	171	135	194	230	201	147	193	219	188	125	176			
30	294	254	250	257	287	247	264	268	310	273	275	268	296	264	259	253			
35	347	332	348	325	335	329	358	321	349	339	370	328	338	329	349	318			
40	407	364	417	358	396	361	425	362	424	382	431	371	409	363	411	358			
45	469	413	448	408	452	401	449	401	473	421	451	411	458	406	445	397			
50	474	445	445	437	454	428	443	434	469	449	446	432	457	427	438	425			
55	441	435	436	426	426	419	429	416	438	435	433	422	426	420	426	423			
60	403	403	406	397	391	390	398	386	401	403	404	390	389	392	399	389			
65	362	358	361	355	347	347	350	345	357	353	355	347	347	346	353	346			
70	307	307	304	301	294	293	293	288	301	297	296	293	293	292	297	293			
75	243	244	240	239	233	233	227	225	235	234	233	231	231	230	234	234			
80	171	173	172	170	164	165	159	158	163	163	163	161	161	163	167	166			
85	106	111	108	108	102	104	100	99.8	100	103	101	101	98.9	103	103	104			
90	65.0	70.7	70.3	69.2	62.2	66.1	66.3	65.2	62.0	65.9	67.0	65.1	60.5	65.2	68.0	67.1			
95	45.1	55.1	54.2	53.7	44.1	51.5	51.1	50.5	43.6	51.8	52.0	51.0	44.0	51.6	52.3	52.3			
100	31.4	42.5	41.6	41.1	30.9	39.1	39.1	38.9	30.6	39.6	40.0	39.2	31.1	39.7	40.3	40.1			
105	23.6	32.8	32.1	31.7	23.3	30.1	30.2	30.1	23.2	30.6	31.0	30.5	23.3	30.8	31.3	31.0			
110	18.7	26.0	25.6	25.2	18.5	24.0	24.1	24.0	18.5	24.4	24.8	24.3	18.4	24.5	24.9	24.6			
115	15.2	21.2	21.0	20.6	15.2	19.6	19.9	19.7	15.2	20.0	20.5	19.9	15.0	20.0	20.5	20.1			
120	12.7	17.5	17.7	17.2	12.8	16.2	16.9	16.4	12.8	16.5	17.3	16.4	12.6	16.5	17.3	16.5			
125	10.9	14.4	15.2	14.3	11.1	13.5	14.5	13.7	11.0	13.7	14.8	13.6	10.9	13.7	14.8	13.6			
130	9.39	12.1	13.2	12.0	9.55	11.4	12.6	11.5	9.41	11.5	12.7	11.4	9.42	11.5	12.8	11.3			
135	7.98	10.11	11.4	10.2	8.21	9.72	10.8	9.65	8.04	9.64	10.8	9.65	8.08	9.73	10.9	9.48			
140	6.88	8.42	9.49	8.52	7.08	8.17	8.92	7.88	6.94	7.91	8.86	8.01	6.96	8.10	9.03	7.88			
145	6.18	7.21	7.55	7.25	6.19	7.03	7.23	6.60	6.05	6.68	7.13	6.76	6.03	6.88	7.22	6.78			
150	5.57	6.09	6.02	6.03	5.49	5.89	5.60	5.48	5.37	5.57	5.52	5.57	5.37	5.65	5.70	5.76			
155	4.52	4.98	4.91	4.80	4.56	4.74	4.59	4.47	4.37	4.62	4.55	4.51	4.43	4.57	4.71	4.68			
160	3.84	4.23	4.21	3.85	3.58	3.80	3.90	3.74	3.64	3.83	3.93	3.71	3.53	3.73	4.03	3.95			
165	3.02	3.45	3.37	3.04	2.74	2.97	3.12	2.99	2.78	3.06	3.20	2.97	2.68	2.95	3.29	3.23			
170	2.10	2.41	2.21	2.27	2.00	2.23	1.98	2.04	1.93	2.05	1.95	2.12	1.95	2.10	2.07	2.25			
175	1.17	1.43	1.27	1.30	1.13	1.19	1.12	1.14	1.00	1.04	1.10	1.09	1.04	1.20	1.17	1.20			
180	0.46	0.47	0.48	0.46	0.45	0.45	0.46	0.49	0.46	0.47	0.46	0.46	0.45	0.46	0.46	0.52			

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: