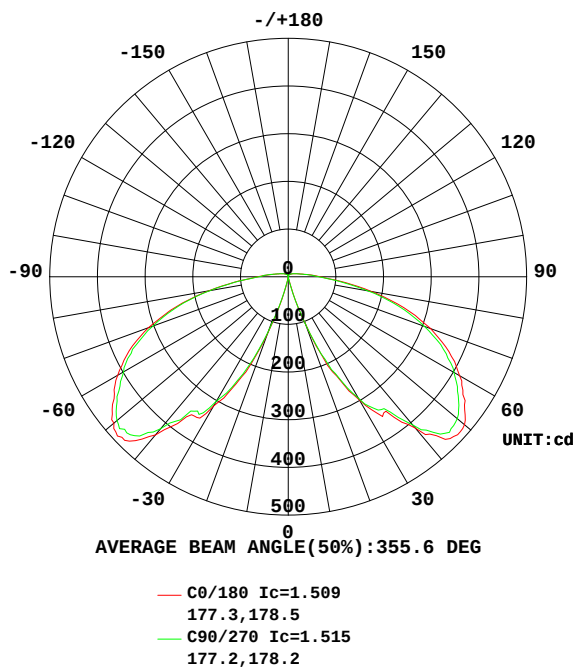
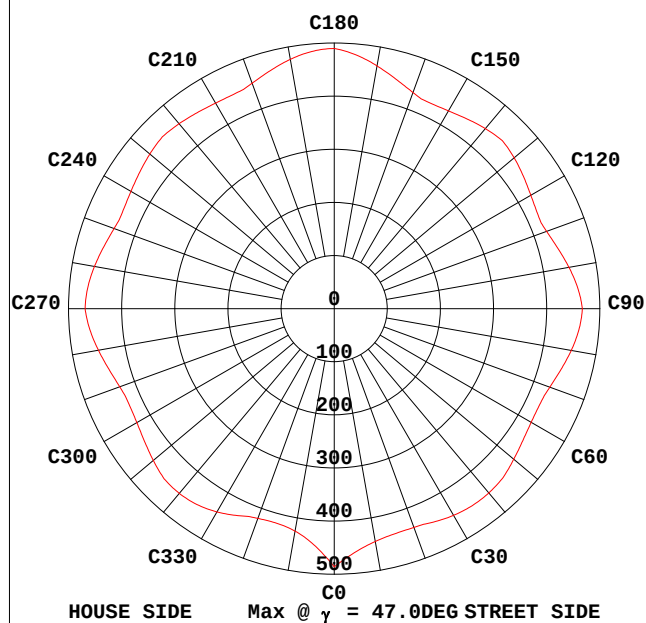


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.87V I:0.1399A P:16.601W PF:0.9901 Freq:59.98Hz Lamp Flux:1900.43x1 lm		
NAME: PLTS-12361 16W 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.595*0.595	Shielding Angle:

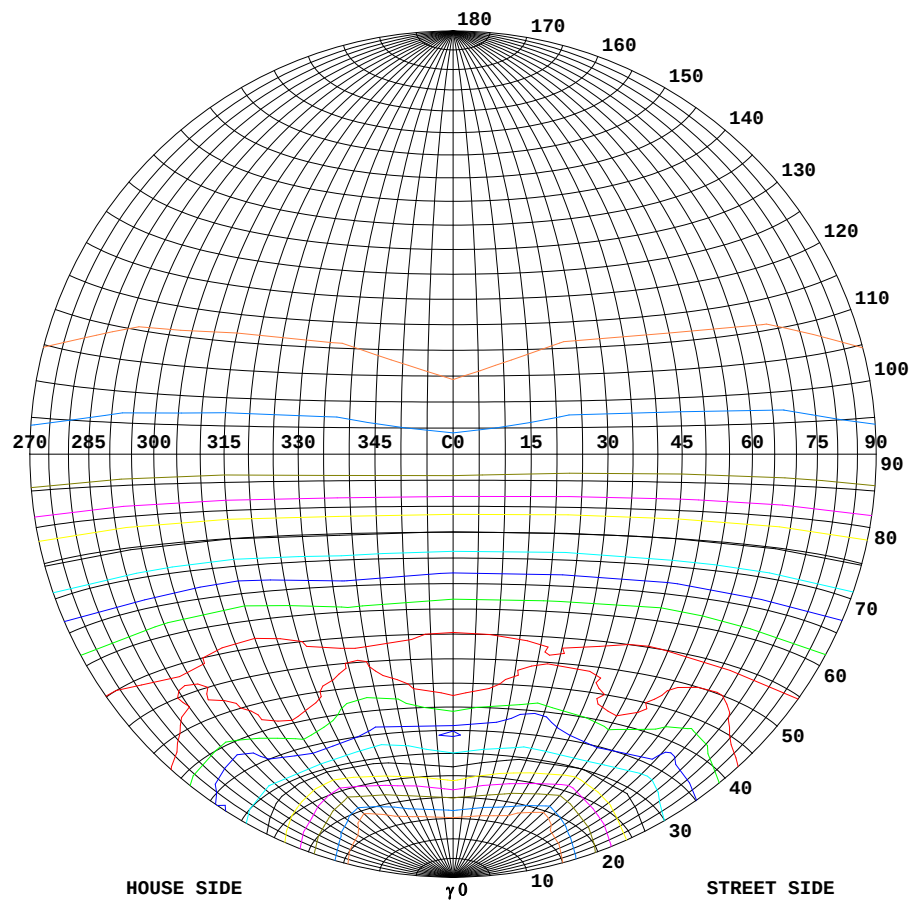
DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.47 lm/W			
MODEL		I _{max} (cd)	489.8	η street_up(%)	3.6
NOMINAL POWER(W)	25	LOR(%)	100.0	η street_down(%)	46.3
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1900	η house_up(%)	3.5
NOMINAL FLUX(lm)	1900.43	MAXIMUM @(C,γ)	180,47.0	η house_down(%)	46.5
LAMPS INSIDE	1	η up(%)	7.2	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	92.8	SLI	20.315

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:

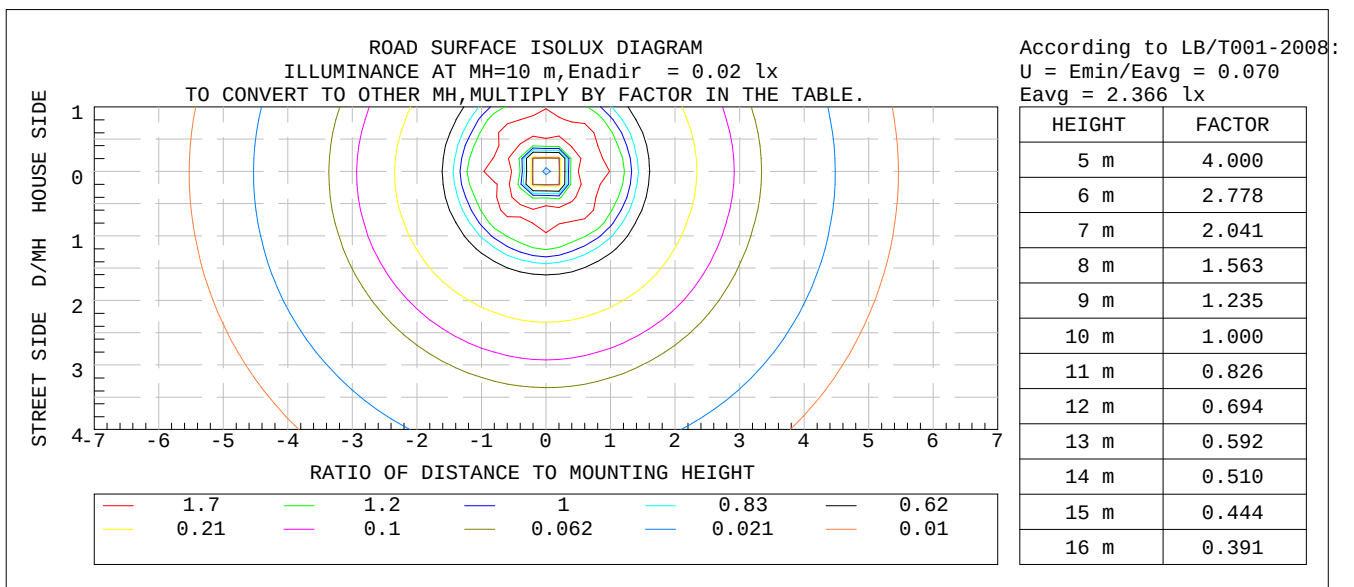
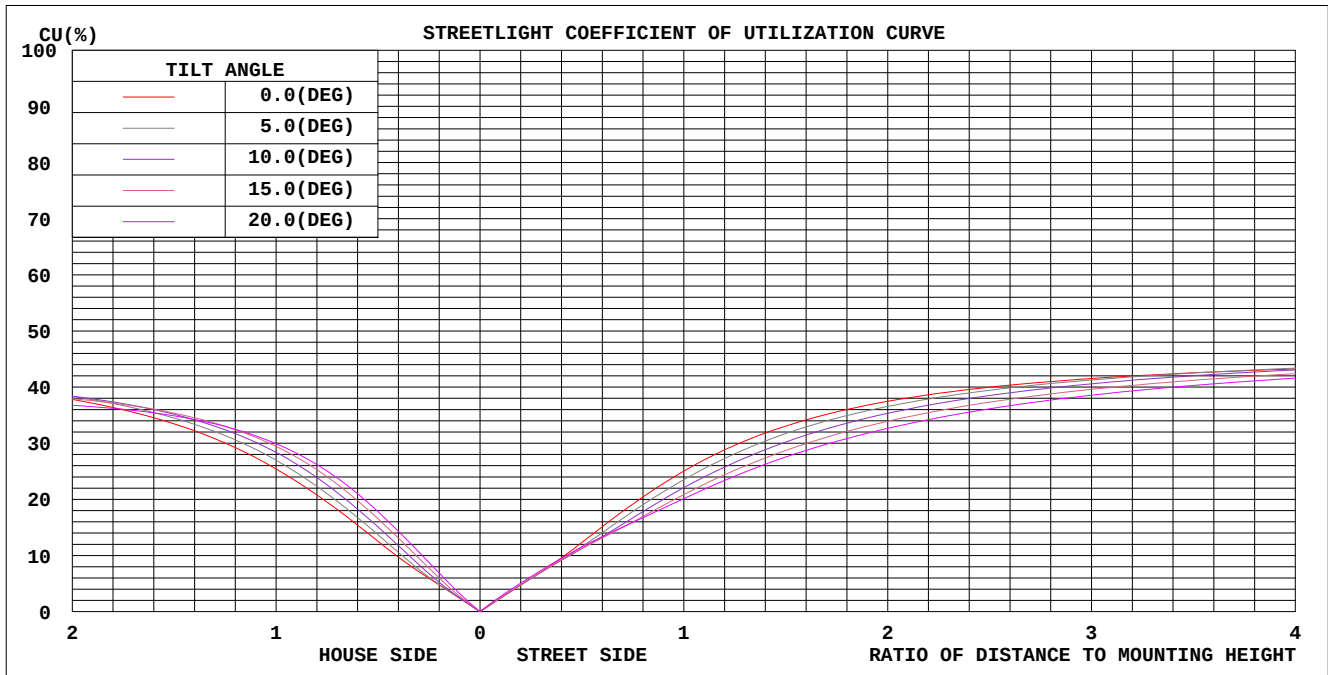
IES:Type V - Short
 CIE:Average - Short
 IES:None cut-off
 CIE:Semi-cut-off
 Max.At80:94.36cd/klm
 Max.At90:38.61cd/klm
 Max.80-90:94.36cd/klm
 NRB 5101:Semi limited[12.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	490
90%	441
80%	392
70%	343
60%	294
50%	245
40%	196
30%	147
20%	98
10%	49
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:

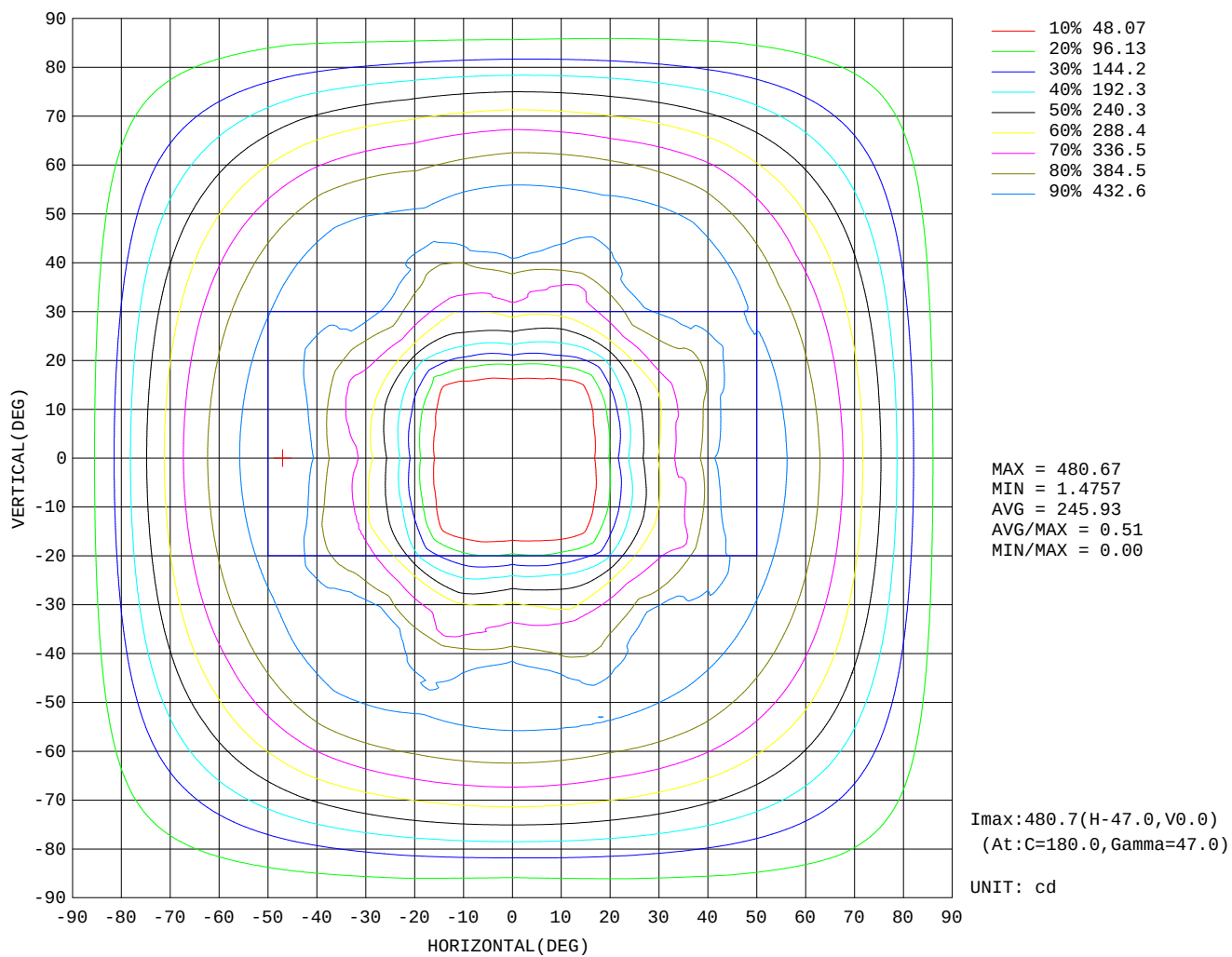
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	3.488	3.439	3.386	3.286	3.150	3.459	3.462	3.394	0- 10	0.2347	0.2347	0.01,0.01
20	102.8	29.85	105.0	37.63	125.0	41.80	119.7	32.36	10- 20	8.322	8.557	0.45,0.45
30	298.3	243.6	293.0	249.3	312.9	274.2	301.0	268.4	20- 30	85.36	93.92	4.94,4.94
40	414.0	410.9	405.3	424.9	433.0	447.5	416.1	420.7	30- 40	213.7	307.7	16.2,16.2
50	482.4	446.3	462.8	448.2	477.5	452.3	468.7	448.9	40- 50	337.6	645.3	34,34
60	414.8	409.9	401.3	403.4	413.0	412.2	398.6	409.2	50- 60	389.6	1035	54.5,54.5
70	317.5	307.7	303.1	301.5	311.4	302.1	301.5	301.7	60- 70	355.7	1391	73.2,73.2
80	176.5	174.4	168.7	167.0	167.8	168.3	166.4	169.5	70- 80	253.2	1644	86.5,86.5
90	66.81	72.23	64.34	68.07	64.25	68.83	62.43	70.29	80- 90	120.7	1765	92.8,92.8
100	32.08	42.46	31.52	40.00	31.28	40.90	31.78	41.37	90-100	56.68	1821	95.8,95.8
110	19.07	26.08	18.83	24.64	18.87	25.37	18.78	25.51	100-110	32.02	1853	97.5,97.5
120	12.97	18.07	13.06	17.21	13.01	17.63	12.91	17.64	110-120	19.46	1873	98.5,98.5
130	9.557	13.46	9.748	12.85	9.601	12.99	9.616	13.03	120-130	12.37	1885	99.2,99.2
140	7.016	9.678	7.240	9.101	7.069	9.029	7.100	9.213	130-140	7.682	1893	99.6,99.6
150	5.691	6.143	5.617	5.726	5.486	5.611	5.478	5.793	140-150	4.405	1897	99.8,99.8
160	3.899	4.276	3.657	3.977	3.728	4.001	3.608	4.118	150-160	2.231	1899	99.9,99.9
170	2.136	2.259	2.040	2.021	1.975	1.982	1.986	2.104	160-170	0.9029	1900	100,100
180	0.4742	0.4806	0.4675	0.4755	0.4684	0.4692	0.4562	0.4755	170-180	0.1431	1900	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:

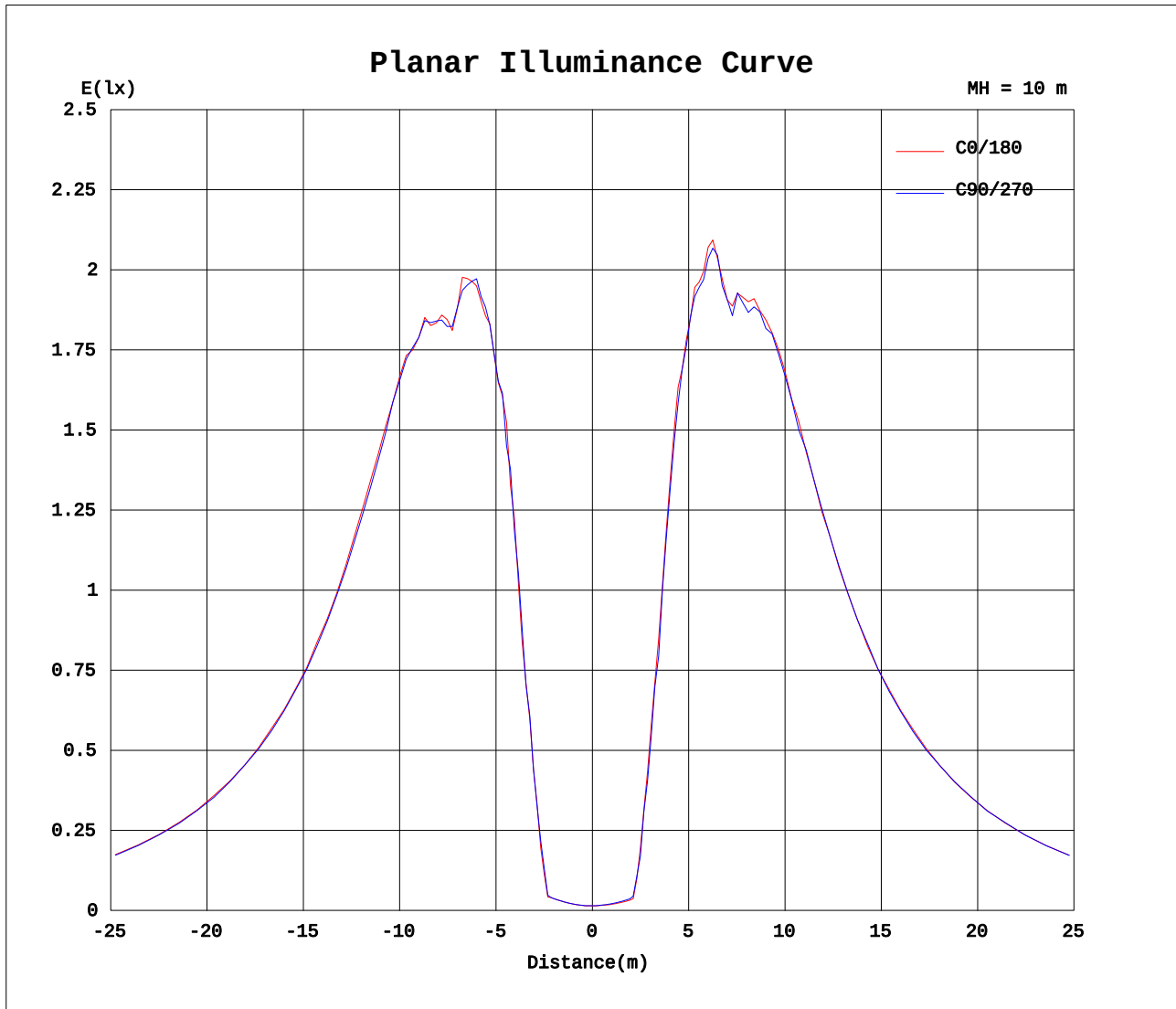
ISOCANDELA DIAGRAM



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

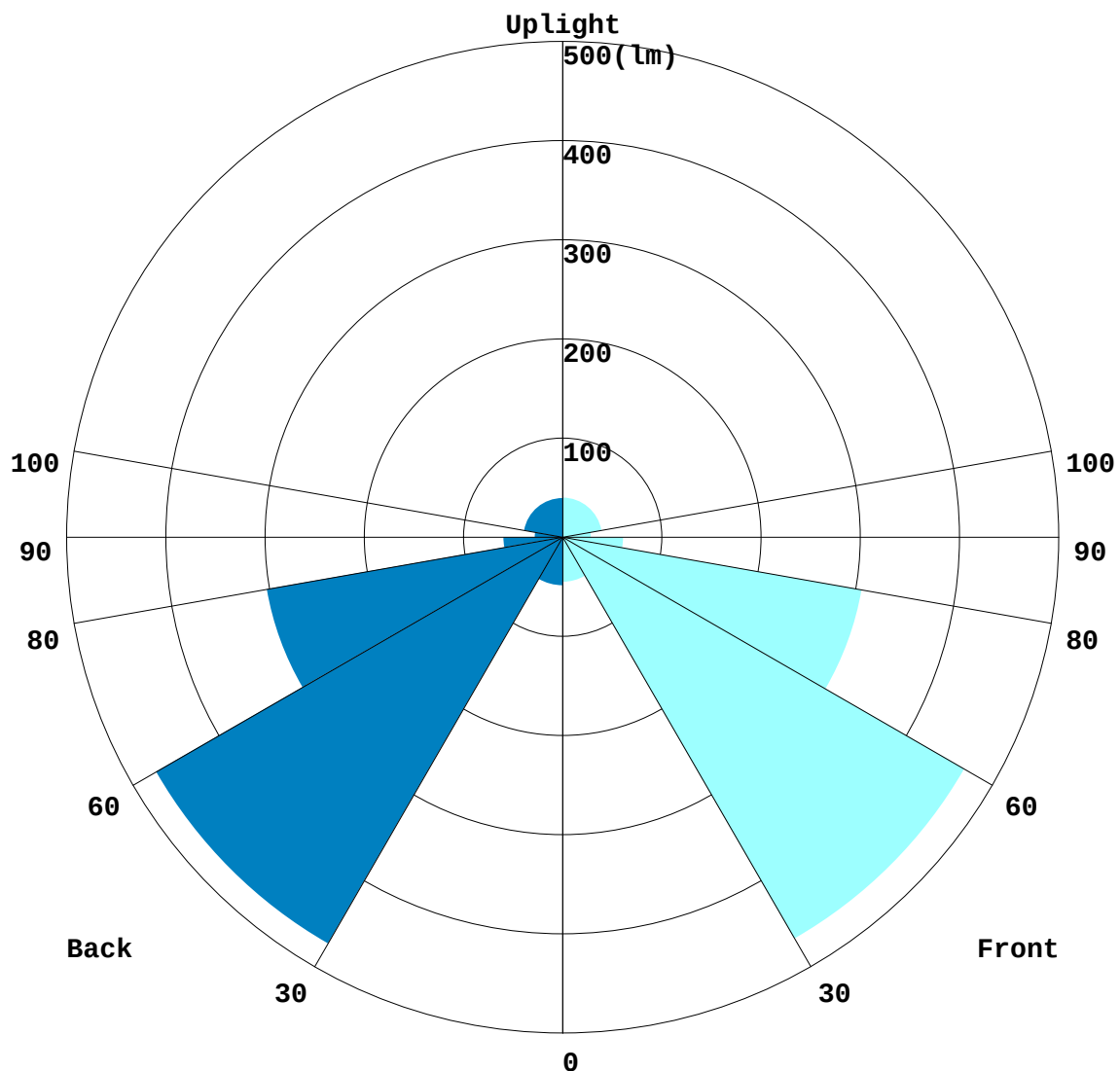


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-10

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:119.87V I:0.1399A P:16.601W PF:0.9901 Freq:59.98Hz Lamp Flux:1900.43x1 lm		
NAME: PLTS-12361 16W 5000K	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:119.87V I:0.1399A P:16.601W PF:0.9901 Freq:59.98Hz Lamp Flux:1900.43x1 lm		
NAME: PLTS-12361 16W 5000K	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)	45.188	2.4
FM - Front-Medium(30-60)	467.65	24.6
FH - Front-High(60-80)	306.07	16.1
FVH - Front-Very High(80-90)	61.121	3.2
Total Forward Light	948.46	49.9

BL - Back-Low(0-30)	48.734	2.6
BM - Back-Medium(30-60)	473.33	24.9
BH - Back-High(60-80)	302.87	15.9
BVH - Back-Very High(80-90)	59.584	3.1
Total Back Light	951.97	50.1

UL - Uplight-Low(90-100)	56.682	3.0
UH - Uplight-High(100-180)	79.211	4.2
Total Up Light	135.89	7.2

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	884.52	67.456	951.97
Street Side	880.02	68.437	948.46

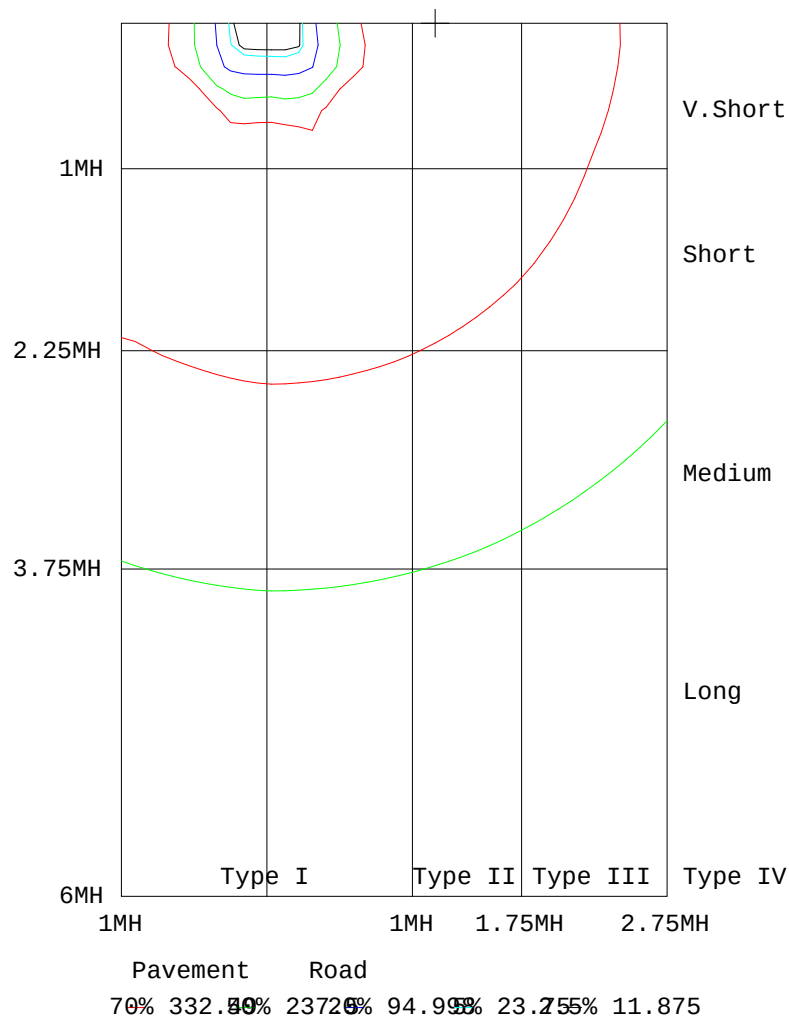
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-10

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:119.87V I:0.1399A P:16.601W PF:0.9901 Freq:59.98Hz Lamp Flux:1900.43x1 lm		
NAME: PLTS-12361 16W 5000K	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	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52			
5	1.97	1.93	1.93	1.88	1.93	1.99	1.99	1.93	1.93	2.04	2.05	2.15	2.03	2.01	1.98	1.99			
10	3.49	3.50	3.44	3.42	3.39	3.41	3.29	3.16	3.15	3.38	3.46	3.63	3.46	3.47	3.39	3.45			
15	22.1	11.4	6.04	12.6	23.8	10.8	5.47	21.6	35.6	21.7	5.80	20.5	34.0	17.4	5.69	11.5			
20	103	74.3	29.9	78.7	105	72.8	37.6	92.0	125	94.1	41.8	92.8	120	84.9	32.4	77.9			
25	220	172	123	187	215	169	133	201	232	200	152	200	225	186	129	179			
30	298	260	244	255	293	252	249	262	313	292	274	263	301	274	268	250			
35	349	329	344	337	340	328	343	332	353	338	370	340	344	326	361	327			
40	414	367	411	359	405	372	425	352	433	399	448	361	416	382	421	359			
45	480	425	449	414	464	412	450	411	485	430	456	420	469	413	458	404			
50	482	458	446	442	463	432	448	438	477	461	452	448	469	433	449	431			
55	453	448	441	435	435	430	432	424	446	450	438	429	439	434	438	425			
60	415	418	410	407	401	403	403	391	413	419	412	393	399	408	409	392			
65	372	377	367	363	359	360	357	350	368	371	362	350	360	360	359	349			
70	317	321	308	307	303	304	301	294	311	312	302	299	302	302	302	298			
75	251	253	243	244	240	242	236	232	242	243	240	236	238	240	238	237			
80	176	179	174	174	169	169	167	164	168	170	168	166	166	170	170	169			
85	110	116	111	111	106	109	103	102	104	108	105	104	102	108	106	106			
90	66.8	73.4	72.2	71.6	64.3	68.1	68.1	66.7	64.3	68.4	68.8	66.6	62.4	67.6	70.3	69.2			
95	46.3	56.8	55.5	55.0	45.1	52.7	52.4	51.5	44.6	53.5	53.3	52.2	45.1	52.9	53.6	53.4			
100	32.1	43.8	42.5	42.0	31.5	39.9	40.0	39.6	31.3	40.7	40.9	40.2	31.8	40.6	41.4	41.0			
105	24.1	33.7	32.7	32.4	23.7	30.7	30.8	30.7	23.7	31.5	31.7	31.2	23.8	31.4	32.0	31.7			
110	19.1	26.7	26.1	25.7	18.8	24.4	24.6	24.4	18.9	25.0	25.4	24.9	18.8	25.0	25.5	25.1			
115	15.5	21.7	21.4	21.1	15.5	20.0	20.4	20.0	15.4	20.5	20.9	20.3	15.3	20.4	21.0	20.5			
120	13.0	18.0	18.1	17.5	13.1	16.5	17.2	16.7	13.0	16.9	17.6	16.8	12.9	16.9	17.6	16.8			
125	11.1	14.8	15.5	14.6	11.3	13.8	14.8	13.9	11.2	14.1	15.1	13.9	11.2	14.0	15.1	13.8			
130	9.56	12.4	13.5	12.3	9.75	11.6	12.8	11.7	9.60	11.8	13.0	11.7	9.62	11.8	13.0	11.5			
135	8.13	10.4	11.6	10.4	8.37	9.91	11.0	9.83	8.20	9.91	11.0	9.85	8.24	9.92	11.2	9.65			
140	7.02	8.66	9.68	8.69	7.24	8.38	9.10	8.02	7.07	8.14	9.03	8.18	7.10	8.26	9.21	8.01			
145	6.30	7.40	7.70	7.38	6.31	7.17	7.38	6.70	6.16	6.88	7.27	6.92	6.14	7.02	7.36	6.90			
150	5.69	6.26	6.14	6.13	5.62	6.01	5.73	5.57	5.49	5.73	5.61	5.70	5.48	5.77	5.79	5.87			
155	4.59	5.12	4.99	4.89	4.64	4.84	4.68	4.54	4.47	4.75	4.63	4.59	4.52	4.64	4.80	4.74			
160	3.90	4.36	4.28	3.93	3.66	3.89	3.98	3.81	3.73	3.93	4.00	3.77	3.61	3.79	4.12	4.00			
165	3.08	3.54	3.43	3.10	2.79	3.03	3.17	3.05	2.84	3.13	3.27	3.02	2.73	2.99	3.35	3.28			
170	2.14	2.46	2.26	2.31	2.04	2.27	2.02	2.07	1.98	2.10	1.98	2.17	1.99	2.13	2.10	2.29			
175	1.19	1.45	1.31	1.32	1.16	1.21	1.15	1.16	1.02	1.06	1.10	1.11	1.03	1.23	1.19	1.24			
180	0.47	0.49	0.48	0.47	0.47	0.46	0.48	0.50	0.47	0.49	0.47	0.47	0.46	0.47	0.48	0.53			

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: