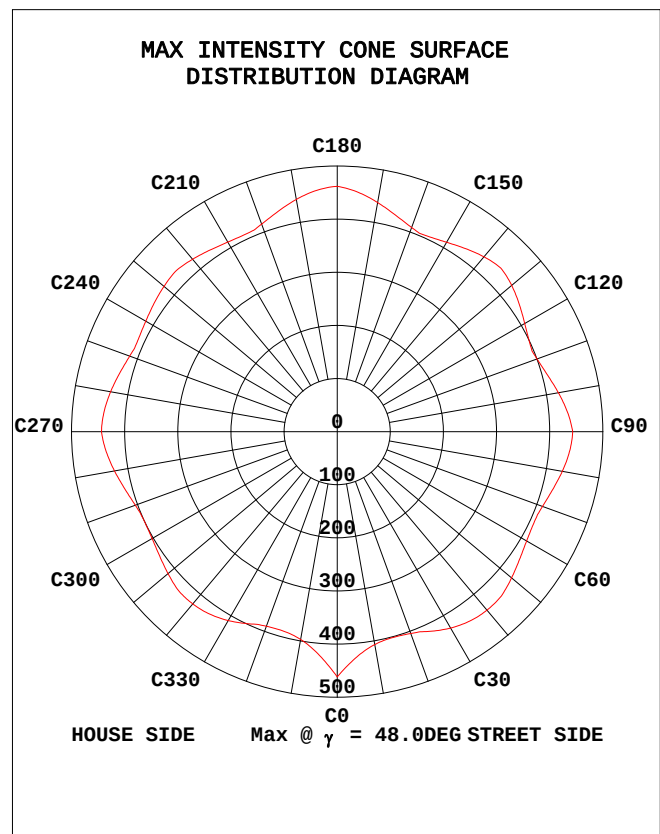
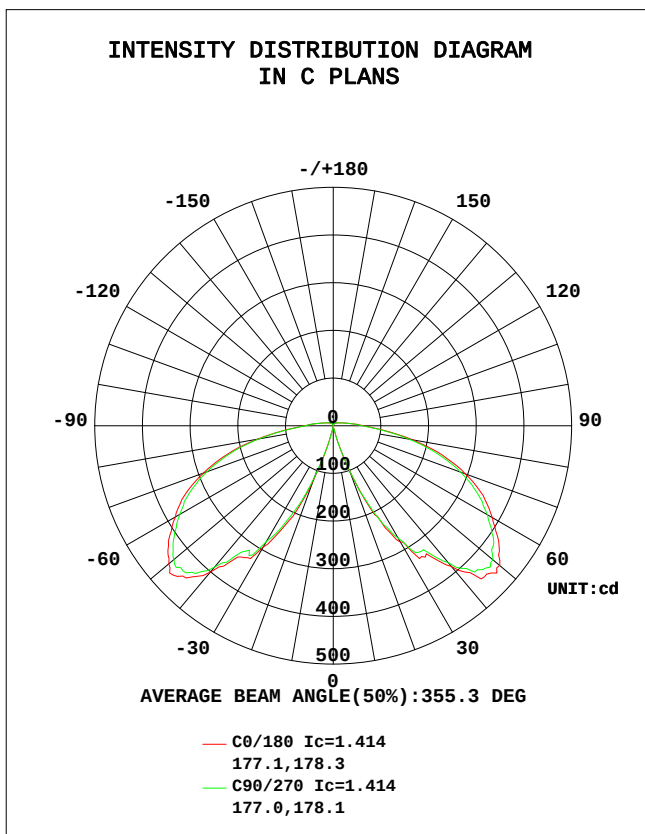


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.89V I:0.1385A P:16.442W PF:0.9901 Freq:59.98Hz Lamp Flux:1787.65x1 lm		
NAME: PLTS-12361 16W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.595*0.595	Shielding Angle:

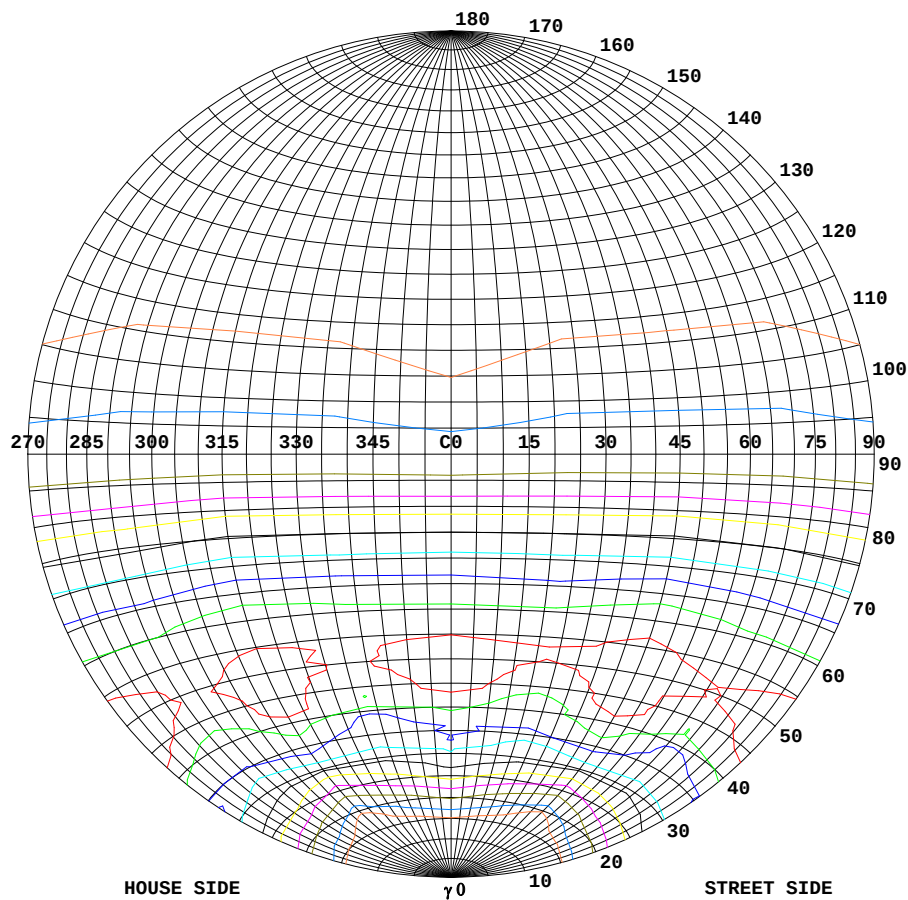
DATA OF LAMP		PHOTOMETRIC DATA Eff: 108.72 lm/W			
MODEL		I _{max} (cd)	461.9	η street_up(%)	3.7
NOMINAL POWER(W)	25	LOR(%)	100.0	η street_down(%)	46.4
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1788	η house_up(%)	3.6
NOMINAL FLUX(lm)	1787.65	MAXIMUM @(C,γ)	180,48.0	η house_down(%)	46.3
LAMPS INSIDE	1	η up(%)	7.3	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	92.7	SLI	20.231



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:

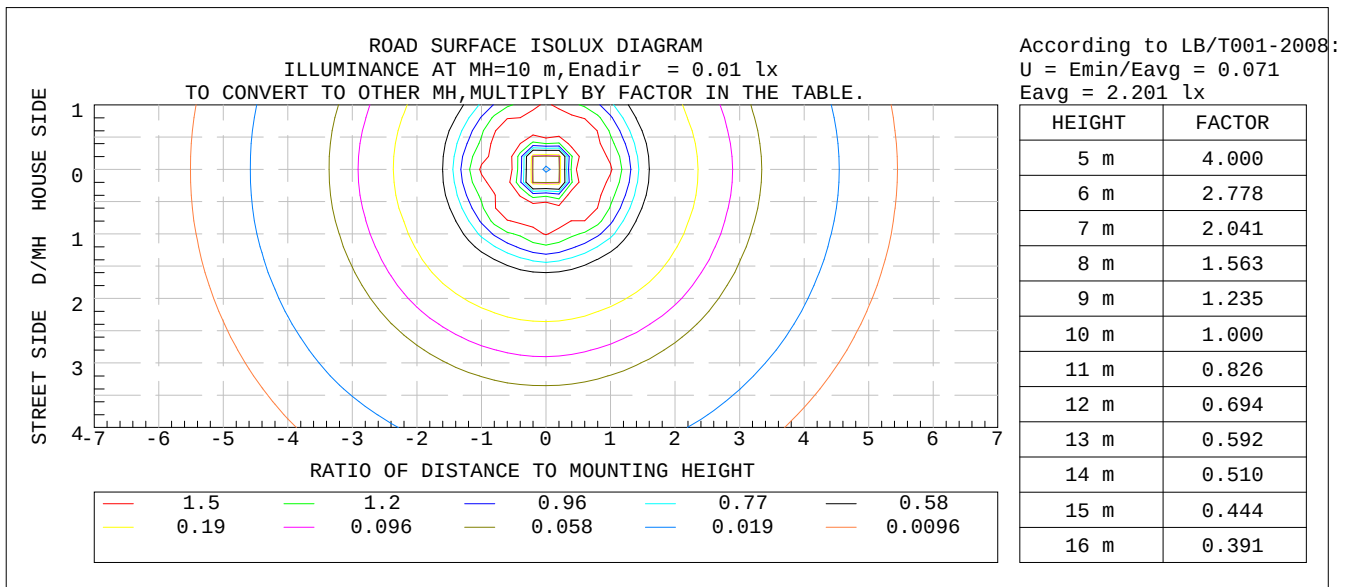
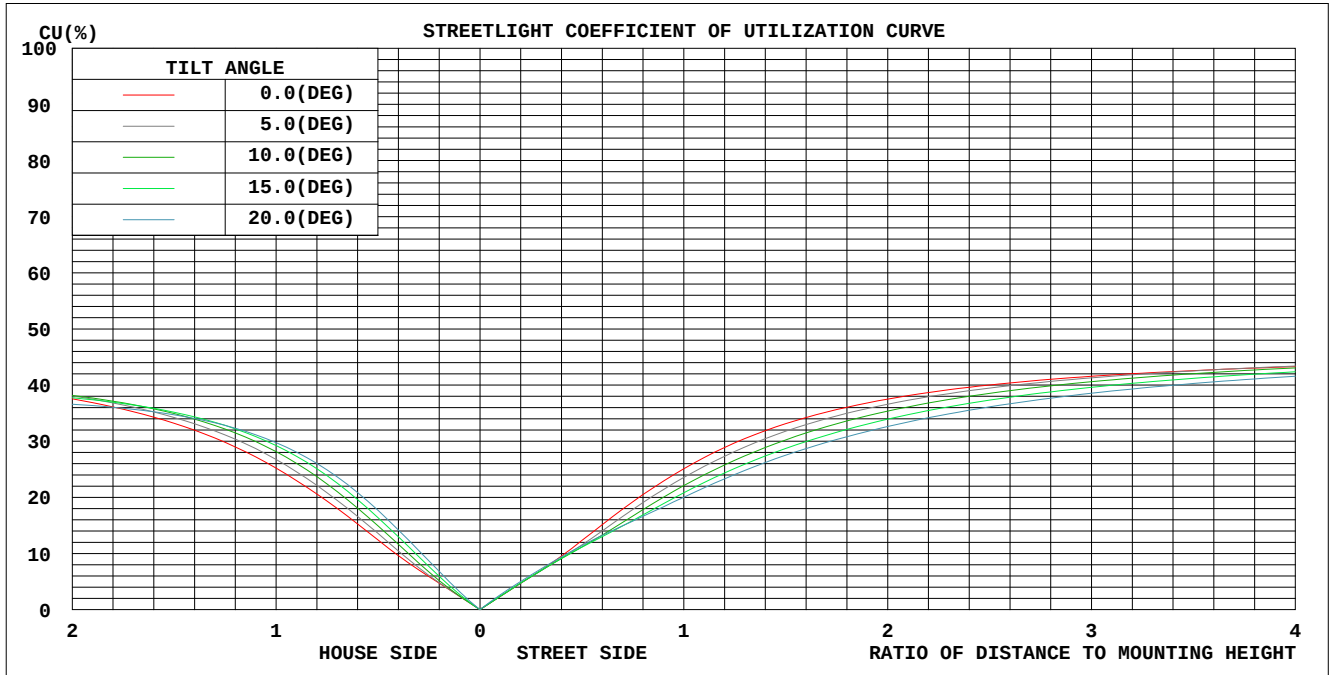
IES:Type V - Short
 CIE:Average - Short
 IES:None cut-off
 CIE:Semi-cut-off
 Max.At80:95.02cd/klm
 Max.At90:38.99cd/klm
 Max.80-90:95.02cd/klm
 NRB 5101:Semi limited[12.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	462
90%	416
80%	369
70%	323
60%	277
50%	231
40%	185
30%	139
20%	92
10%	46
5%	23

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:

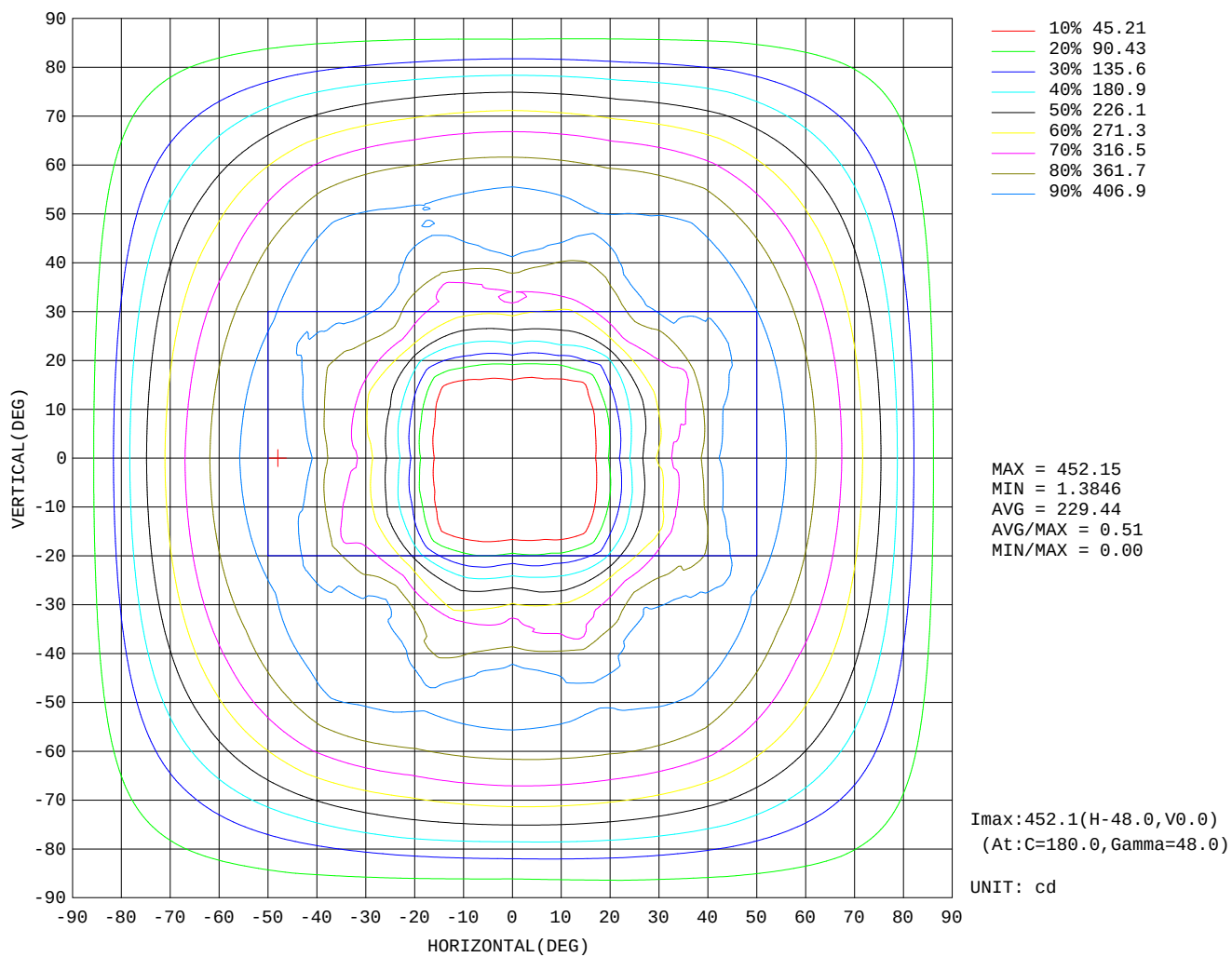
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	3.173	3.135	3.157	3.059	2.954	3.171	3.187	3.111	0- 10	0.2167	0.2167	0.01,0.01
20	100.8	26.02	100.8	33.74	118.9	38.33	111.6	31.80	10- 20	7.655	7.872	0.44,0.44
30	282.0	241.4	271.8	263.9	293.6	257.3	279.9	238.2	20- 30	80.17	88.05	4.93,4.93
40	385.4	405.7	374.9	414.7	400.0	401.3	387.0	393.7	30- 40	201.6	289.6	16.2,16.2
50	455.7	428.5	437.5	429.7	450.1	426.1	436.0	419.2	40- 50	315.7	605.4	33.9,33.9
60	385.4	392.1	373.7	389.1	382.2	388.9	371.0	383.0	50- 60	365.0	970.4	54.3,54.3
70	294.2	296.0	284.1	284.4	288.9	286.1	281.8	290.6	60- 70	333.2	1304	72.9,72.9
80	167.6	169.6	160.4	154.6	160.5	159.5	157.2	166.7	70- 80	238.9	1543	86.3,86.3
90	63.85	69.70	60.93	66.49	60.65	66.61	58.81	67.40	80- 90	115.2	1658	92.7,92.7
100	31.02	40.63	30.57	38.71	30.39	39.18	30.80	39.79	90-100	54.10	1712	95.8,95.8
110	18.39	24.94	18.16	23.86	18.22	24.29	18.09	24.58	100-110	30.78	1743	97.5,97.5
120	12.49	17.21	12.51	16.59	12.50	16.81	12.34	16.97	110-120	18.66	1761	98.5,98.5
130	9.151	12.78	9.284	12.33	9.172	12.35	9.153	12.51	120-130	11.82	1773	99.2,99.2
140	6.663	9.185	6.866	8.730	6.715	8.573	6.719	8.833	130-140	7.310	1780	99.6,99.6
150	5.381	5.825	5.281	5.477	5.175	5.289	5.143	5.516	140-150	4.173	1785	99.8,99.8
160	3.682	4.014	3.438	3.771	3.505	3.757	3.396	3.902	150-160	2.105	1787	99.9,99.9
170	2.020	2.105	1.900	1.907	1.847	1.852	1.852	1.985	160-170	0.8481	1788	100,100
180	0.4058	0.4170	0.3944	0.4065	0.4058	0.4001	0.3944	0.3954	170-180	0.1327	1788	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:

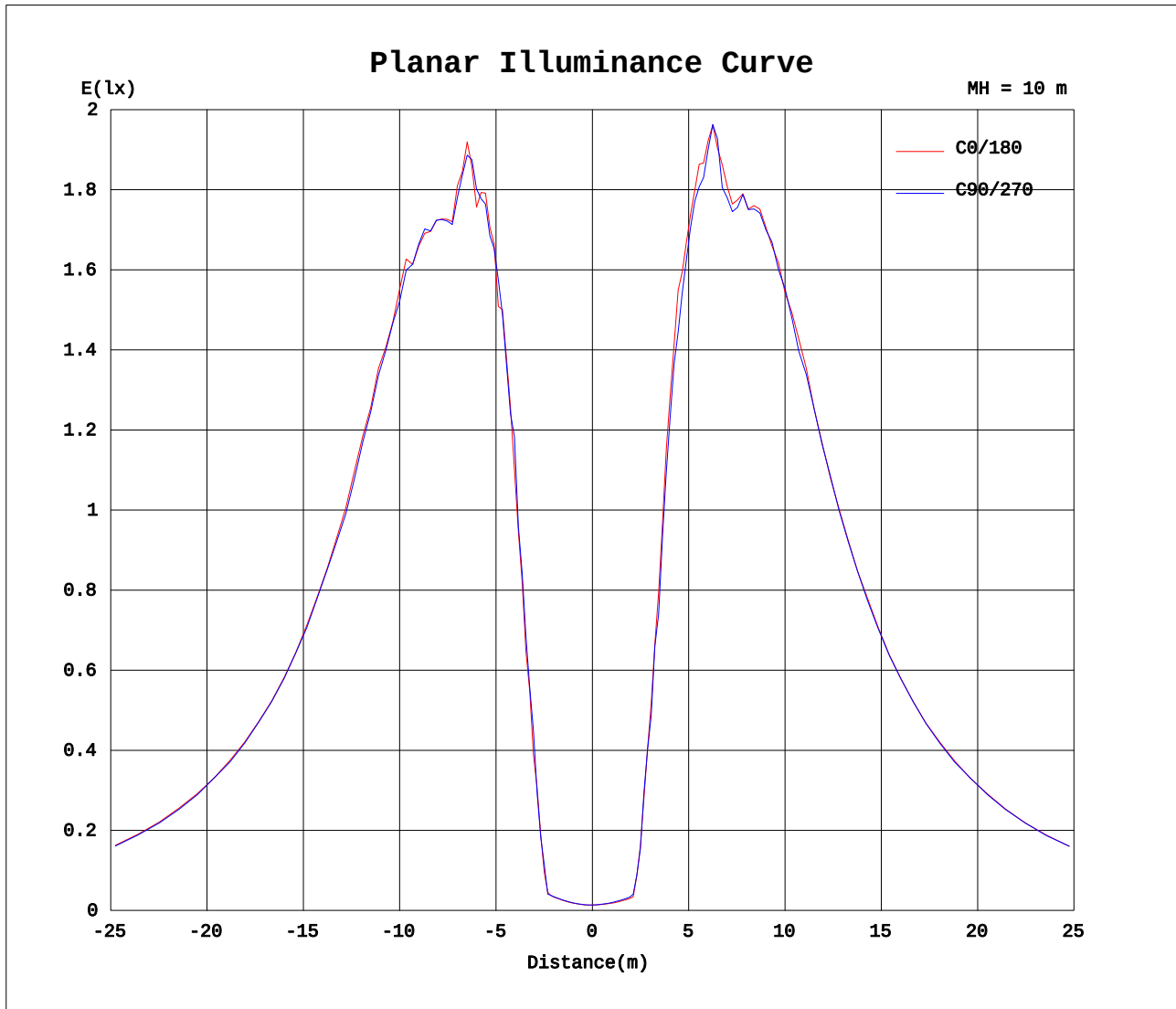
ISOCANDELA DIAGRAM



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



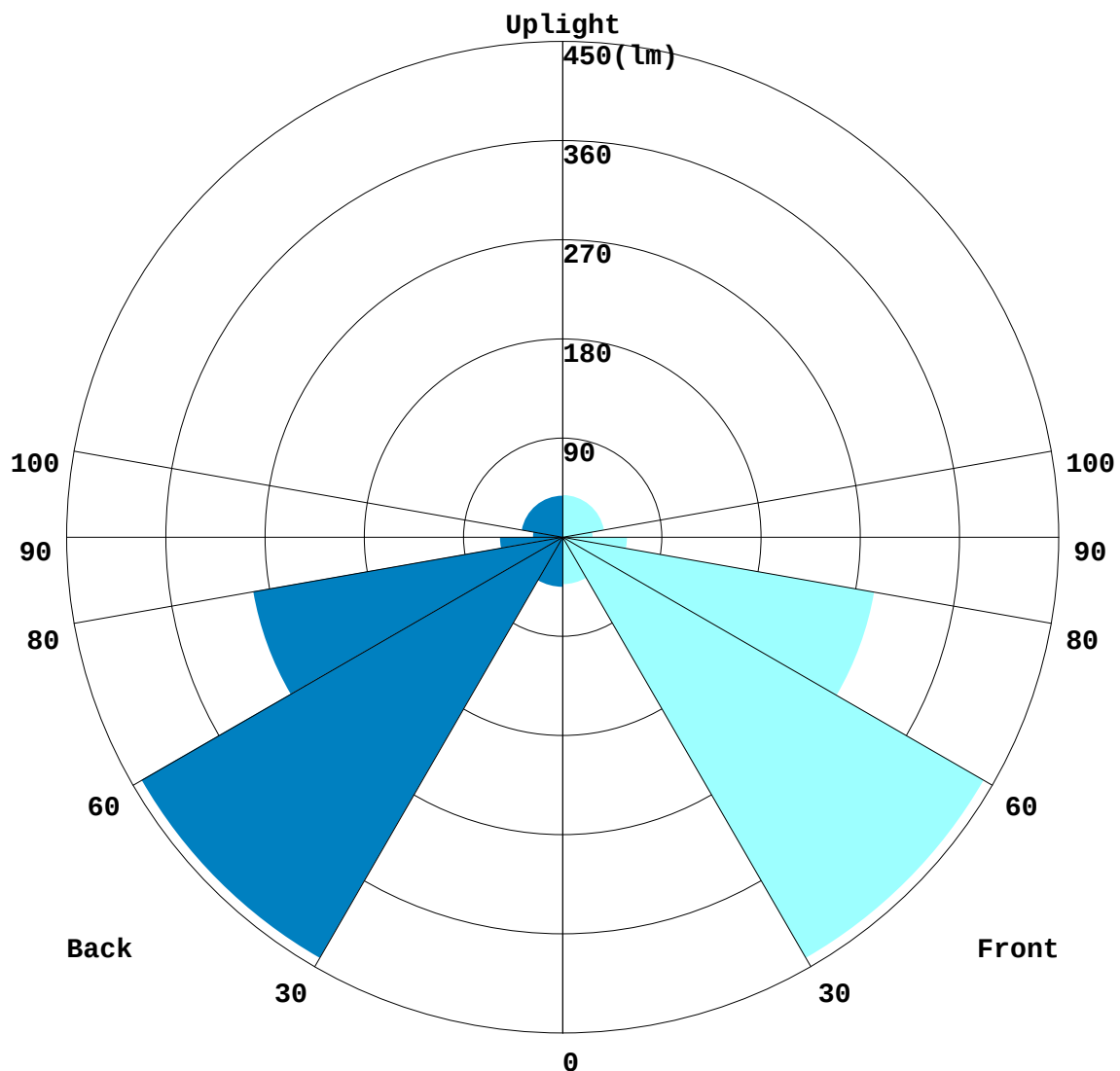
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-10

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:0.1385A P:16.442W PF:0.9901 Freq:59.98Hz Lamp Flux:1787.65x1 lm		
NAME: PLTS-12361 16W 3000K	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:119.89V I:0.1385A P:16.442W PF:0.9901 Freq:59.98Hz Lamp Flux:1787.65x1 lm		
NAME: PLTS-12361 16W 3000K	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)	42.836	2.4
FM - Front-Medium(30-60)	441.2	24.7
FH - Front-High(60-80)	287.17	16.1
FVH - Front-Very High(80-90)	58.459	3.3
Total Forward Light	895.16	50.1

BL - Back-Low(0-30)	45.209	2.5
BM - Back-Medium(30-60)	441.16	24.7
BH - Back-High(60-80)	284.92	15.9
BVH - Back-Very High(80-90)	56.757	3.2
Total Back Light	892.49	49.9

UL - Uplight-Low(90-100)	54.1	3.0
UH - Uplight-High(100-180)	75.829	4.2
Total Up Light	129.93	7.3

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	828.05	64.442	892.49
Street Side	829.67	65.487	895.16

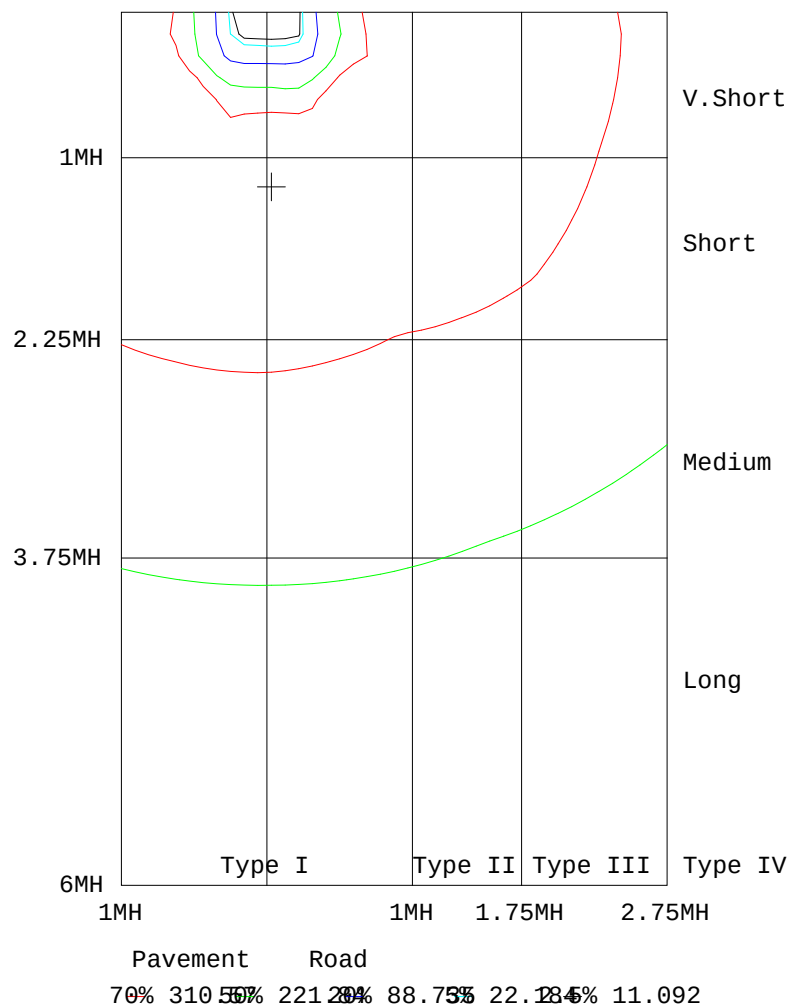
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-10

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:0.1385A P:16.442W PF:0.9901 Freq:59.98Hz Lamp Flux:1787.65x1 lm		
NAME: PLTS-12361 16W 3000K	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	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41			
5	1.82	1.79	1.78	1.77	1.80	1.83	1.85	1.81	1.82	1.85	1.90	1.98	1.88	1.86	1.85	1.82			
10	3.17	3.15	3.13	3.15	3.16	3.13	3.06	2.94	2.95	3.10	3.17	3.35	3.19	3.17	3.11	3.15			
15	21.3	10.21	5.47	11.3	20.1	10.2	5.08	17.1	31.7	18.8	5.28	17.3	32.3	18.2	5.25	10.6			
20	101	67.1	26.0	74.4	101	69.4	33.7	81.4	119	89.1	38.3	84.3	112	81.2	31.8	73.8			
25	206	163	116	169	199	156	129	177	219	190	134	178	206	181	119	165			
30	282	240	241	249	272	233	264	262	294	250	257	262	280	243	238	244			
35	337	320	338	306	322	316	359	303	336	332	352	310	322	319	329	299			
40	385	352	406	345	375	339	415	356	400	354	401	364	387	329	394	340			
45	448	392	431	393	427	378	438	378	446	404	432	390	436	384	426	377			
50	456	422	428	417	437	408	430	416	450	426	426	408	436	404	419	407			
55	424	415	419	406	410	398	420	400	422	413	417	404	407	394	407	407			
60	385	384	392	382	374	369	389	374	382	382	389	381	371	365	383	377			
65	347	338	351	343	333	328	341	333	343	335	342	338	332	326	343	338			
70	294	293	296	293	284	278	284	280	289	283	286	284	282	278	291	286			
75	236	236	235	234	226	224	221	219	229	225	225	226	223	219	231	230			
80	168	170	170	169	160	160	155	154	160	159	160	158	157	156	167	165			
85	104	109	106	108	101	101	99.7	99.6	99.4	100	99.0	101	96.9	99.0	103	104			
90	63.9	69.6	69.7	68.1	60.9	64.6	66.5	64.4	60.7	64.5	66.6	63.7	58.8	63.4	67.4	66.1			
95	44.7	53.6	52.7	52.6	43.7	50.0	50.2	49.6	43.3	50.6	50.6	49.8	43.6	49.9	51.2	51.3			
100	31.0	41.6	40.6	40.3	30.6	38.2	38.7	38.4	30.4	38.8	39.2	38.5	30.8	38.6	39.8	39.4			
105	23.2	32.1	31.3	31.1	22.9	29.4	29.9	29.7	22.9	30.1	30.4	29.9	23.0	30.0	30.8	30.5			
110	18.4	25.5	24.9	24.7	18.2	23.3	23.9	23.6	18.2	23.9	24.3	23.8	18.1	23.8	24.6	24.2			
115	15.0	20.7	20.5	20.2	14.9	19.1	19.6	19.3	14.9	19.5	20.0	19.5	14.7	19.4	20.2	19.7			
120	12.5	17.1	17.2	16.8	12.5	15.8	16.6	16.1	12.5	16.1	16.8	16.1	12.3	16.1	17.0	16.2			
125	10.7	14.1	14.8	13.9	10.8	13.1	14.3	13.4	10.7	13.4	14.4	13.3	10.6	13.3	14.5	13.3			
130	9.15	11.7	12.8	11.7	9.28	11.0	12.3	11.2	9.17	11.1	12.3	11.2	9.15	11.2	12.5	11.0			
135	7.77	9.81	11.0	9.88	7.96	9.38	10.6	9.44	7.81	9.34	10.4	9.37	7.83	9.36	10.7	9.23			
140	6.66	8.14	9.18	8.25	6.87	7.87	8.73	7.67	6.71	7.65	8.57	7.77	6.72	7.78	8.83	7.64			
145	5.97	6.93	7.32	7.02	5.97	6.75	7.08	6.41	5.83	6.44	6.90	6.55	5.80	6.59	7.06	6.56			
150	5.38	5.87	5.82	5.81	5.28	5.64	5.48	5.32	5.17	5.35	5.29	5.39	5.14	5.41	5.52	5.59			
155	4.33	4.78	4.70	4.63	4.39	4.55	4.45	4.31	4.22	4.40	4.35	4.33	4.28	4.35	4.56	4.50			
160	3.68	4.06	4.01	3.70	3.44	3.63	3.77	3.61	3.51	3.66	3.76	3.56	3.40	3.53	3.90	3.79			
165	2.89	3.32	3.21	2.92	2.62	2.83	3.01	2.87	2.67	2.92	3.05	2.84	2.56	2.79	3.18	3.09			
170	2.02	2.29	2.10	2.16	1.90	2.12	1.91	1.94	1.85	1.96	1.85	2.03	1.85	1.97	1.99	2.17			
175	1.10	1.33	1.20	1.22	1.07	1.11	1.06	1.06	0.92	0.97	1.00	1.02	0.96	1.12	1.09	1.15			
180	0.41	0.41	0.42	0.41	0.39	0.39	0.41	0.43	0.41	0.41	0.40	0.41	0.39	0.40	0.40	0.45			

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: