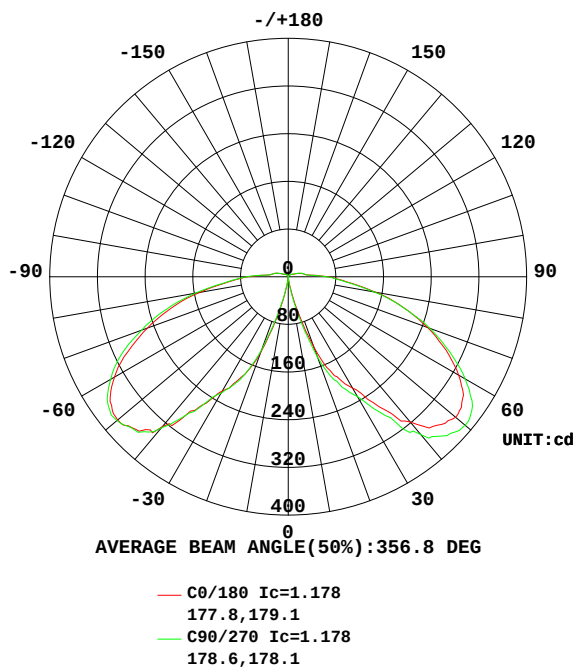
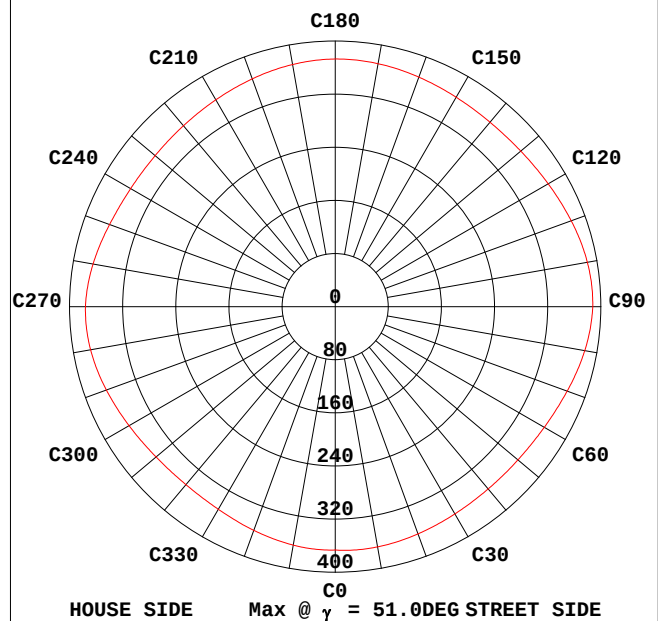


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.89V I:0.0979A P:11.561W PF:0.9848 Freq:59.98Hz Lamp Flux:1584.13x1 lm					
NAME: PLTS-12359 12W 4000K			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.: 0.02*1		Shielding Angle:

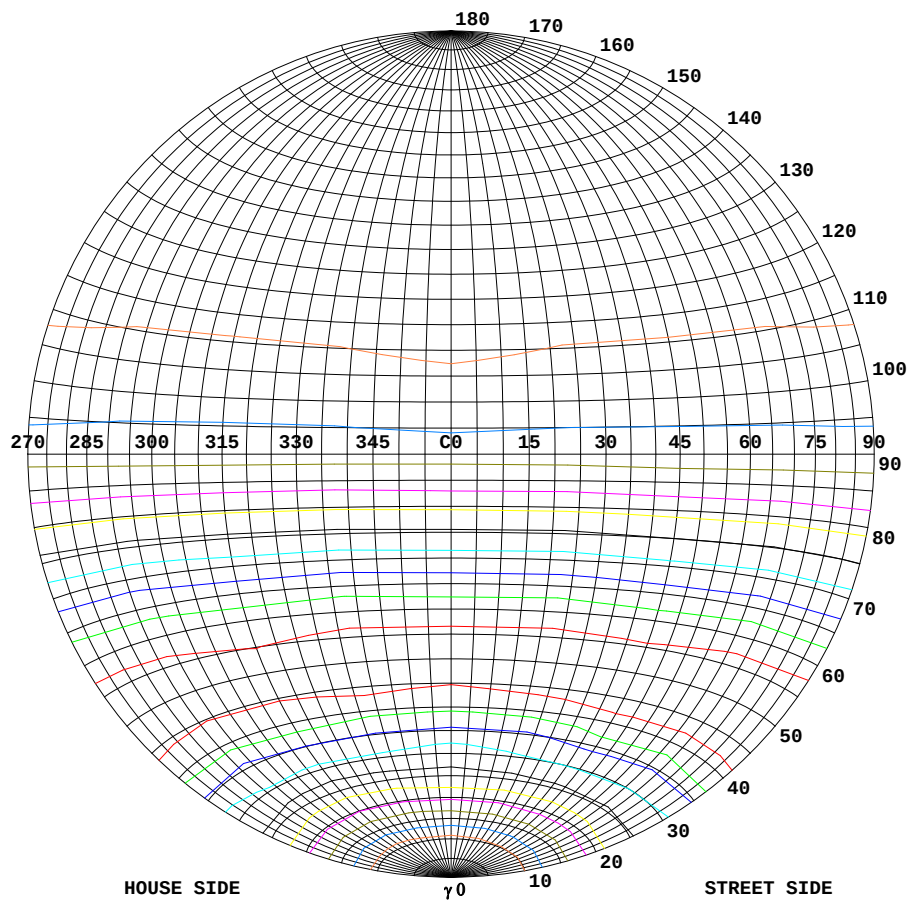
DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.02 lm/W			
MODEL		I _{max} (cd)	387.7	η street_up(%)	3.2
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	46.7
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1584	η house_up(%)	3.3
NOMINAL FLUX(lm)	1584.13	MAXIMUM @(C,γ)	90,51.0	η house_down(%)	46.7
LAMPS INSIDE	1	η up(%)	6.5	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	93.5	SLI	20.001

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

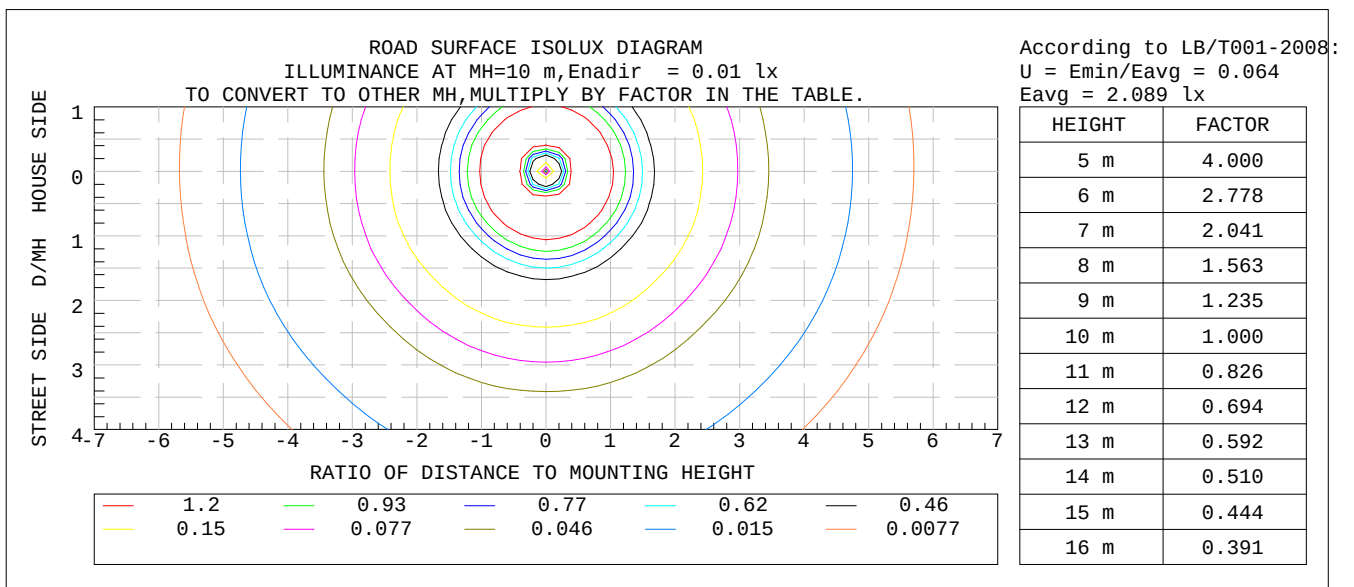
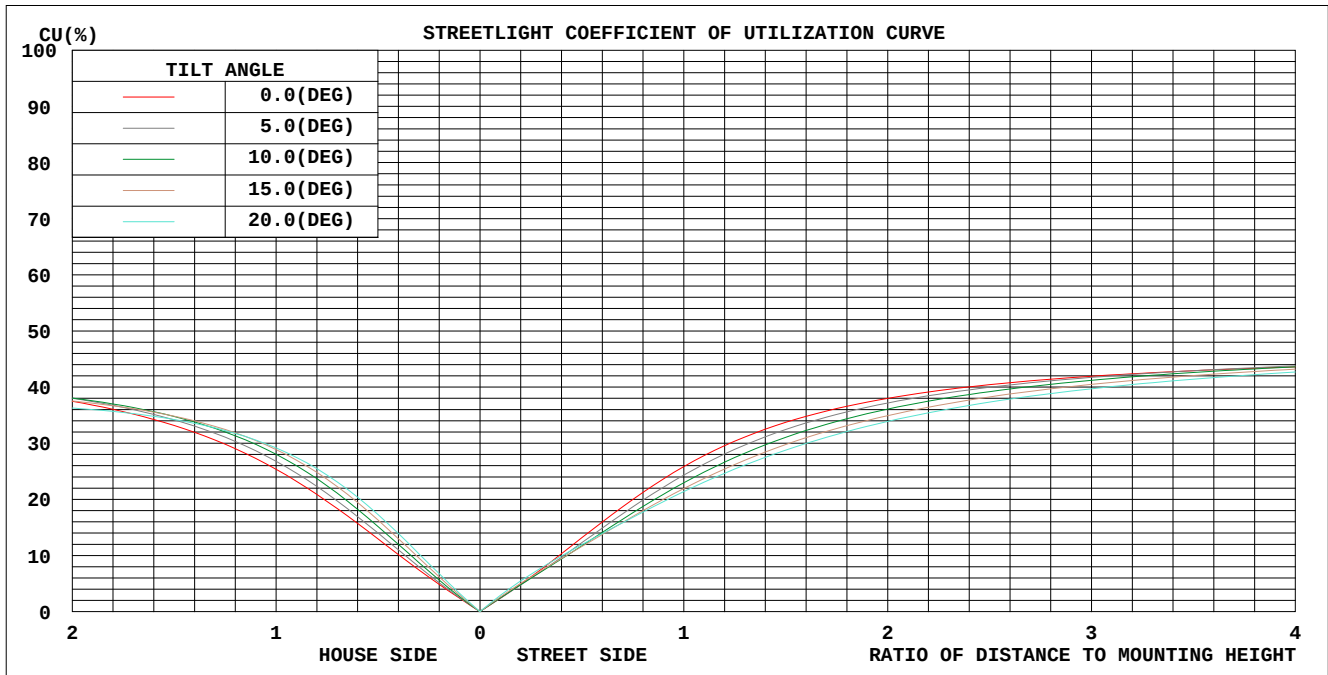
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-09

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



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:

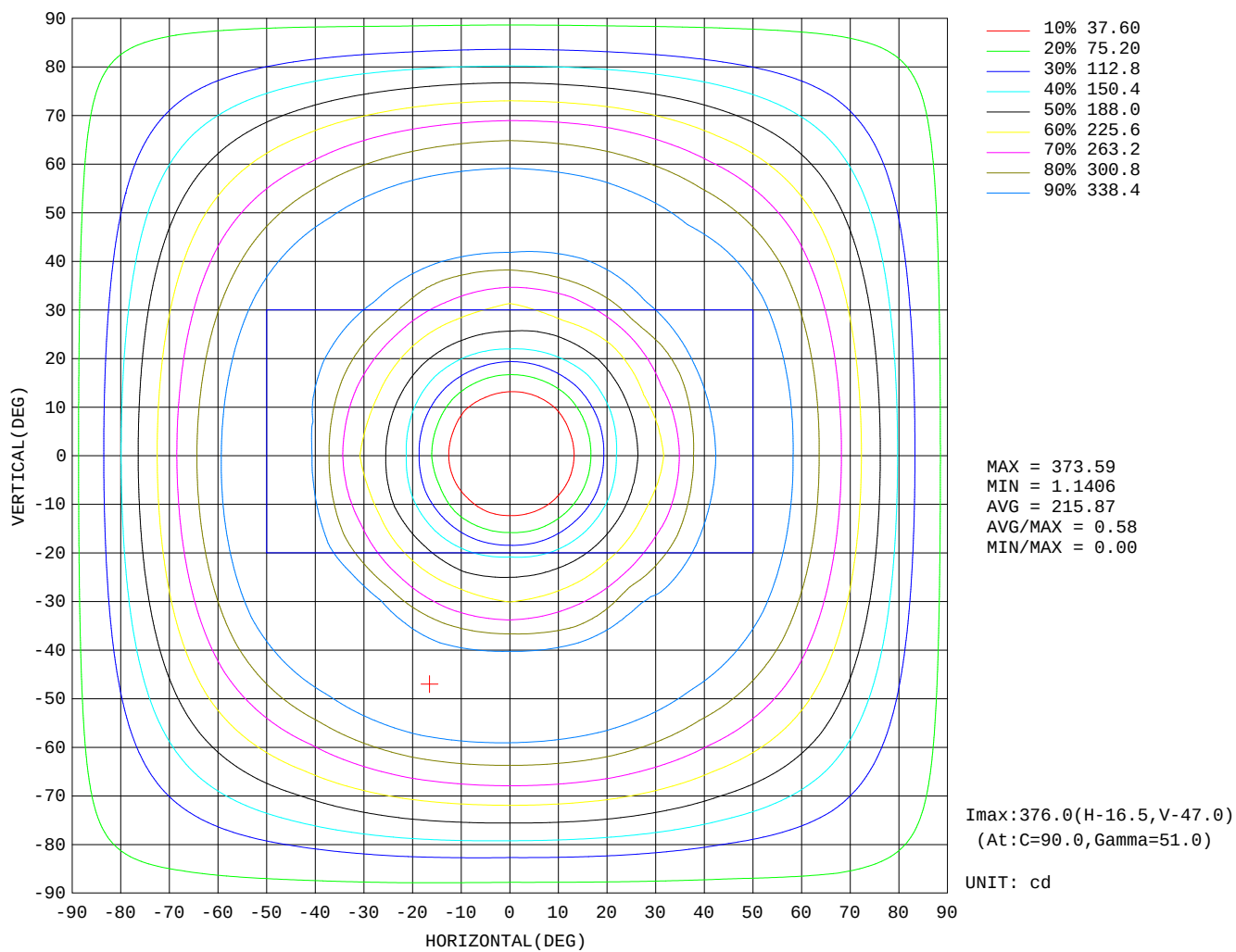
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	14.47	17.42	19.66	18.97	17.48	16.10	14.87	13.26	0- 10	0.6185	0.6185	0.04,0.04
20	125.8	128.7	142.9	132.0	134.3	121.9	129.9	115.7	10- 20	19.73	20.35	1.28,1.28
30	215.9	232.8	232.0	228.4	221.4	226.3	225.7	215.5	20- 30	84.85	105.2	6.64,6.64
40	318.0	339.2	345.9	341.9	327.7	331.4	330.5	324.3	30- 40	174.5	279.7	17.7,17.7
50	366.7	358.9	387.5	362.5	373.6	355.1	375.4	349.1	40- 50	274.3	554.0	35,35
60	330.0	322.3	342.8	324.4	336.3	326.8	344.1	319.9	50- 60	317.6	871.6	55,55
70	248.8	239.2	252.8	236.7	251.1	246.6	261.5	242.6	60- 70	288.5	1160	73.2,73.2
80	148.4	140.3	145.9	141.4	150.4	150.6	157.4	147.5	70- 80	210.3	1370	86.5,86.5
90	67.59	64.08	64.54	63.38	68.37	68.32	70.40	67.43	80- 90	110.3	1481	93.5,93.5
100	26.89	29.08	27.47	28.45	27.19	29.48	27.40	28.91	90-100	45.16	1526	96.3,96.3
110	16.36	20.12	17.29	20.42	16.93	20.40	17.42	20.01	100-110	25.48	1551	97.9,97.9
120	8.464	11.41	9.049	11.21	8.862	11.96	9.269	11.63	110-120	14.40	1566	98.8,98.8
130	5.981	8.476	6.458	8.290	6.222	8.578	6.435	8.502	120-130	7.984	1574	99.3,99.3
140	4.186	6.420	4.536	6.309	4.268	6.415	4.520	6.505	130-140	5.043	1579	99.7,99.7
150	3.471	4.678	3.610	4.623	3.325	4.697	3.601	4.797	140-150	3.025	1582	99.9,99.9
160	2.504	2.847	2.344	2.809	2.388	2.889	2.530	2.995	150-160	1.545	1583	100,100
170	1.773	1.596	1.606	1.475	1.553	1.576	1.908	1.790	160-170	0.6282	1584	100,100
180	0.5373	0.5014	0.5155	0.6195	0.5201	0.5014	0.5096	0.6418	170-180	0.1208	1584	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:

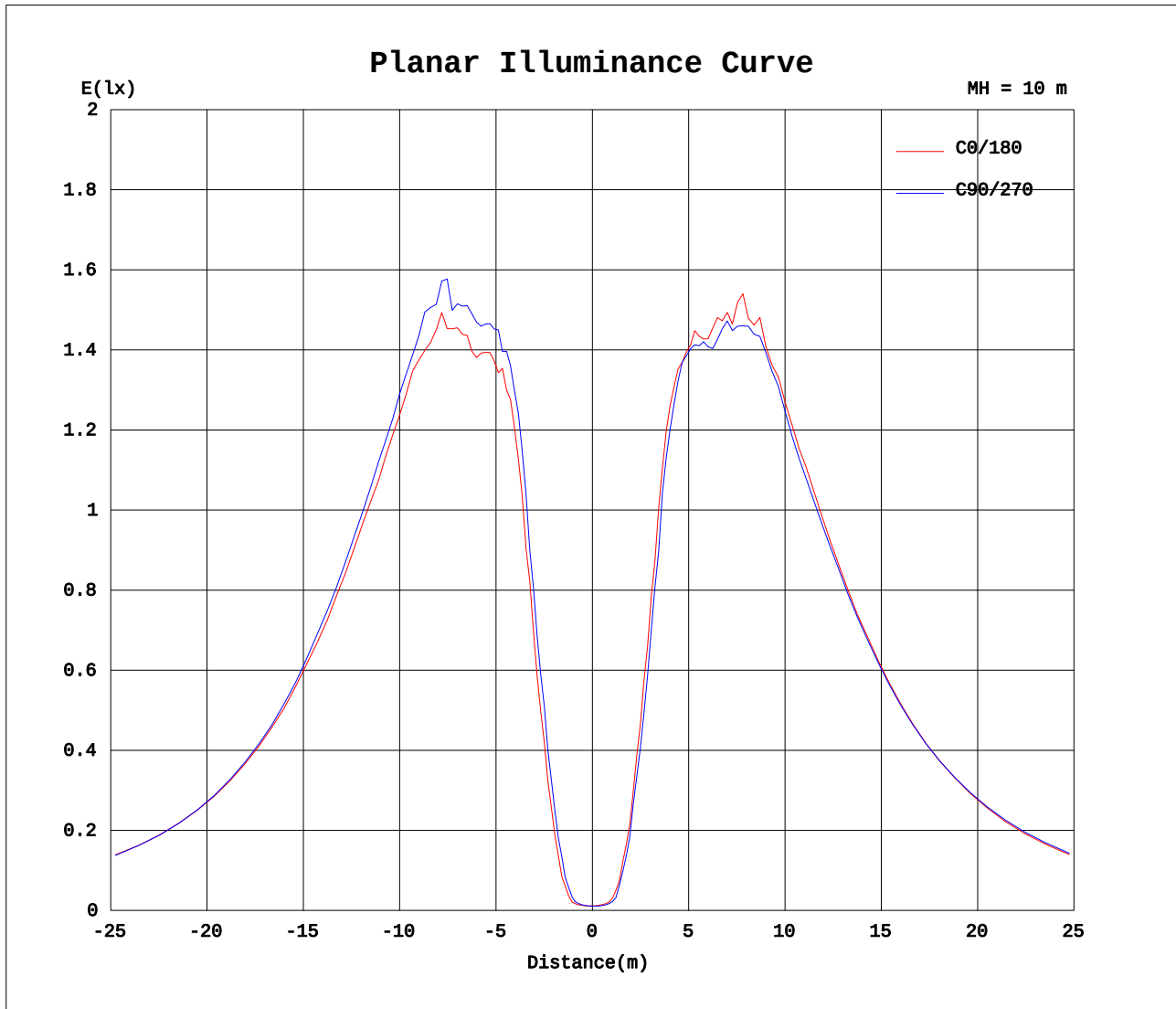
ISOCANDELA DIAGRAM



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



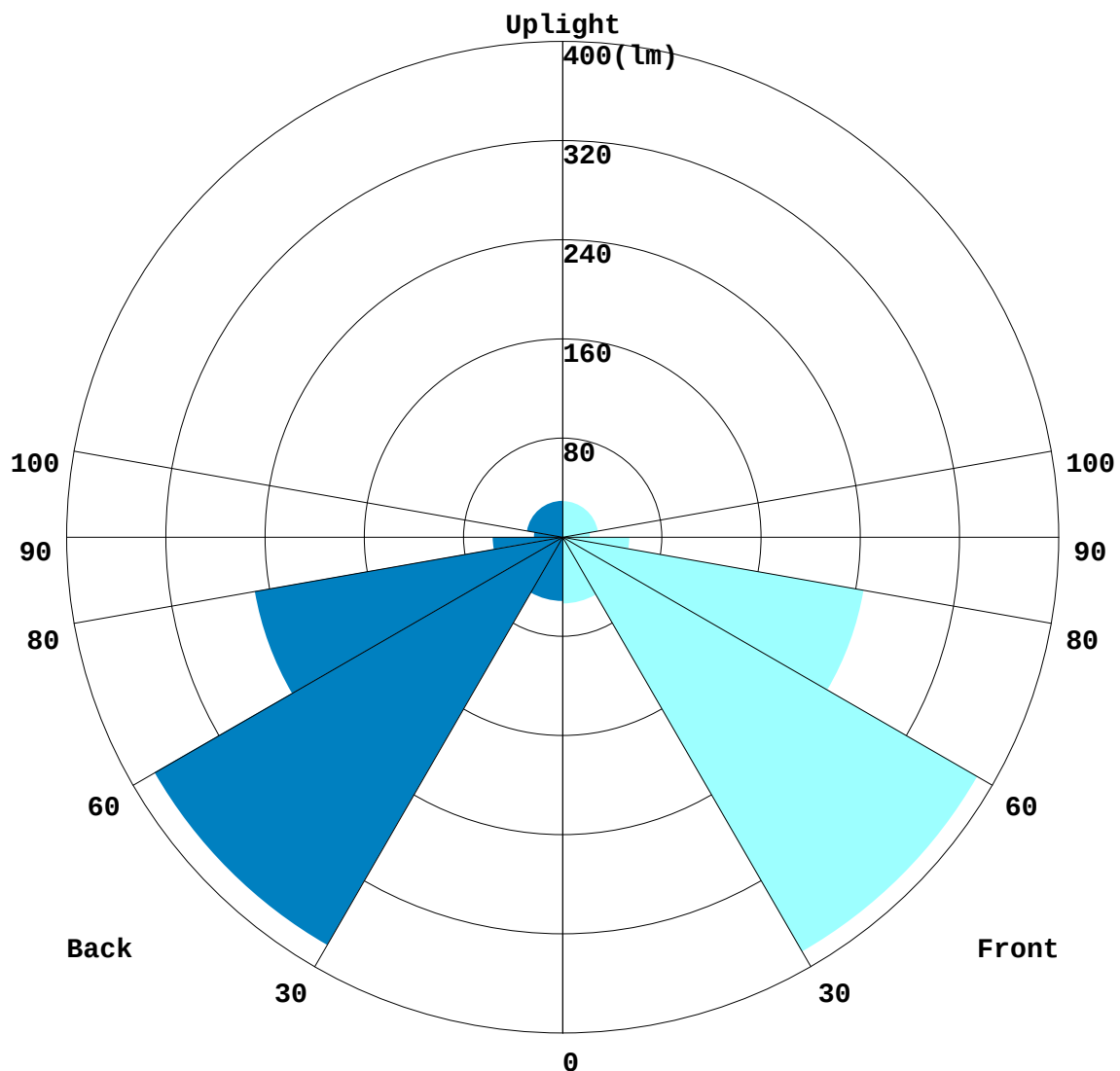
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-09

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:119.89V I:0.0979A P:11.561W PF:0.9848 Freq:59.98Hz Lamp Flux:1584.13x1 lm		
NAME: PLTS-12359 12W 4000K	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:119.89V I:0.0979A P:11.561W PF:0.9848 Freq:59.98Hz Lamp Flux:1584.13x1 lm		
NAME: PLTS-12359 12W 4000K	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)	53.57	3.4
FM - Front-Medium(30-60)	386.36	24.4
FH - Front-High(60-80)	246.69	15.6
FVH - Front-Very High(80-90)	53.939	3.4
Total Forward Light	791.64	50.0

BL - Back-Low(0-30)	51.635	3.3
BM - Back-Medium(30-60)	380.04	24.0
BH - Back-High(60-80)	252.1	15.9
BVH - Back-Very High(80-90)	56.402	3.6
Total Back Light	792.49	50.0

UL - Uplight-Low(90-100)	45.161	2.9
UH - Uplight-High(100-180)	58.226	3.7
Total Up Light	103.39	6.5

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	740.18	52.31	792.49
Street Side	740.57	51.077	791.64

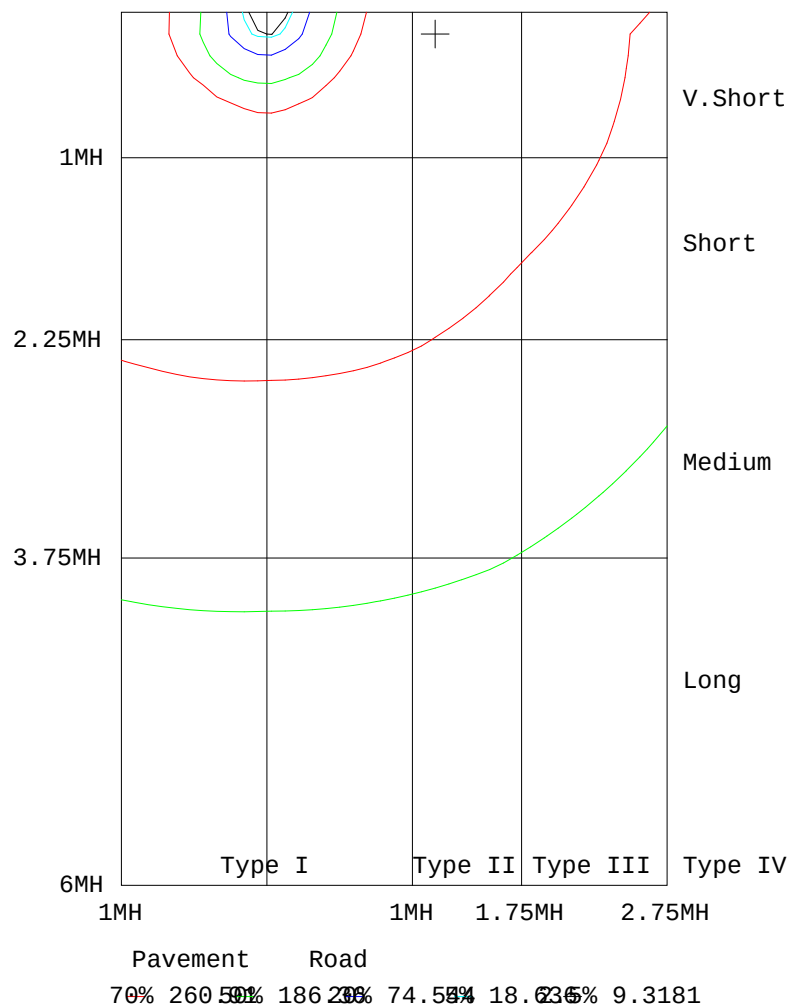
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-09

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:119.89V I:0.0979A P:11.561W PF:0.9848 Freq:59.98Hz Lamp Flux:1584.13x1 lm		
NAME: PLTS-12359 12W 4000K	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	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18			
5	1.73	1.81	1.98	2.08	2.27	2.25	2.37	2.31	2.21	2.11	1.94	1.89	1.84	1.80	1.75	1.71			
10	14.5	16.2	17.4	18.7	19.7	19.9	19.0	19.2	17.5	17.8	16.1	16.2	14.9	14.6	13.3	14.7			
15	55.5	55.2	58.7	62.0	67.4	66.6	64.0	62.4	64.0	60.2	56.8	54.2	56.3	53.8	51.0	52.2			
20	126	125	129	130	143	135	132	130	134	128	122	125	130	125	116	120			
25	183	180	182	188	194	185	180	178	185	179	179	183	190	179	172	171			
30	216	227	233	233	232	236	228	230	221	229	226	227	226	230	215	222			
35	267	265	281	274	285	275	277	269	274	267	273	273	276	266	266	264			
40	318	319	339	332	346	331	342	328	328	318	331	327	331	316	324	320			
45	353	352	356	362	377	368	358	359	362	351	351	355	364	353	346	349			
50	367	363	359	369	387	378	363	368	374	365	355	360	375	367	349	357			
55	357	353	350	361	377	368	353	361	365	356	348	356	370	355	343	351			
60	330	328	322	331	343	336	324	332	336	331	327	332	344	334	320	326			
65	292	291	284	292	299	293	281	289	296	291	290	297	309	299	286	289			
70	249	246	239	246	253	247	237	244	251	250	247	252	262	255	243	246			
75	200	198	193	196	200	197	190	196	203	202	200	204	211	205	198	199			
80	148	146	140	142	146	145	141	145	150	151	151	152	157	153	147	148			
85	98.8	96.7	92.4	93.6	96.2	96.1	93.9	96.0	101	99.9	99.5	99.6	103	100	97.9	98.3			
90	67.6	66.5	64.1	63.7	64.5	64.7	63.4	64.6	68.4	68.1	68.3	67.9	70.4	68.8	67.4	66.8			
95	34.0	38.4	38.0	37.3	33.5	36.7	36.5	37.2	34.4	39.1	40.5	39.2	34.7	40.0	40.4	39.3			
100	26.9	28.8	29.1	28.5	27.5	28.6	28.4	28.7	27.2	28.9	29.5	28.8	27.4	28.7	28.9	28.5			
105	22.3	24.5	24.5	24.5	23.3	25.1	24.8	24.9	22.8	24.5	25.0	24.6	23.0	24.4	24.4	24.1			
110	16.4	19.8	20.1	20.1	17.3	20.4	20.4	20.1	16.9	19.4	20.4	20.0	17.4	20.0	20.0	19.4			
115	11.3	14.7	15.0	14.8	12.0	14.7	15.0	14.7	11.8	14.4	15.5	15.2	12.4	15.2	15.3	14.5			
120	8.46	10.9	11.4	11.0	9.05	10.8	11.2	10.9	8.86	10.9	12.0	11.5	9.27	11.3	11.6	10.8			
125	7.03	8.87	9.62	9.07	7.55	8.77	9.42	8.92	7.35	8.93	9.94	9.28	7.61	9.18	9.75	8.85			
130	5.98	7.58	8.48	7.86	6.46	7.53	8.29	7.68	6.22	7.54	8.58	7.78	6.44	7.76	8.50	7.57			
135	4.99	6.52	7.48	6.78	5.49	6.50	7.27	6.58	5.23	6.39	7.50	6.65	5.44	6.67	7.49	6.52			
140	4.19	5.54	6.42	5.76	4.54	5.54	6.31	5.60	4.27	5.36	6.41	5.64	4.52	5.68	6.50	5.63			
145	3.92	4.74	5.53	4.91	4.08	4.78	5.50	4.85	3.81	4.62	5.55	4.81	4.03	4.89	5.66	4.83			
150	3.47	3.92	4.68	4.10	3.61	4.01	4.62	3.99	3.32	3.86	4.70	4.09	3.60	4.11	4.80	3.99			
155	2.85	3.20	3.73	3.21	2.80	3.17	3.69	3.22	2.75	3.15	3.76	3.26	2.93	3.30	3.86	3.32			
160	2.50	2.71	2.85	2.57	2.34	2.58	2.81	2.55	2.39	2.63	2.89	2.66	2.53	2.72	3.00	2.81			
165	2.22	2.19	2.17	2.09	2.00	2.06	2.03	1.99	2.05	2.14	2.25	2.21	2.20	2.28	2.34	2.32			
170	1.77	1.68	1.60	1.60	1.61	1.54	1.47	1.53	1.55	1.56	1.58	1.75	1.91	1.87	1.79	1.81			
175	1.21	1.07	0.97	0.97	1.04	0.98	0.96	1.00	1.00	1.02	0.93	1.04	1.24	1.32	1.21	1.25			
180	0.54	0.50	0.50	0.50	0.52	0.54	0.62	0.67	0.52	0.51	0.50	0.50	0.51	0.54	0.64	0.69			

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: