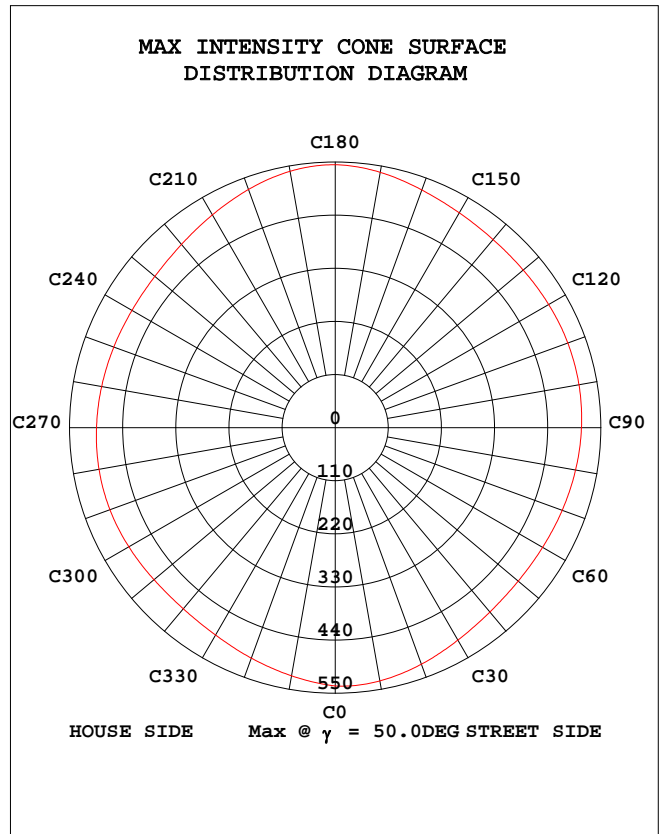
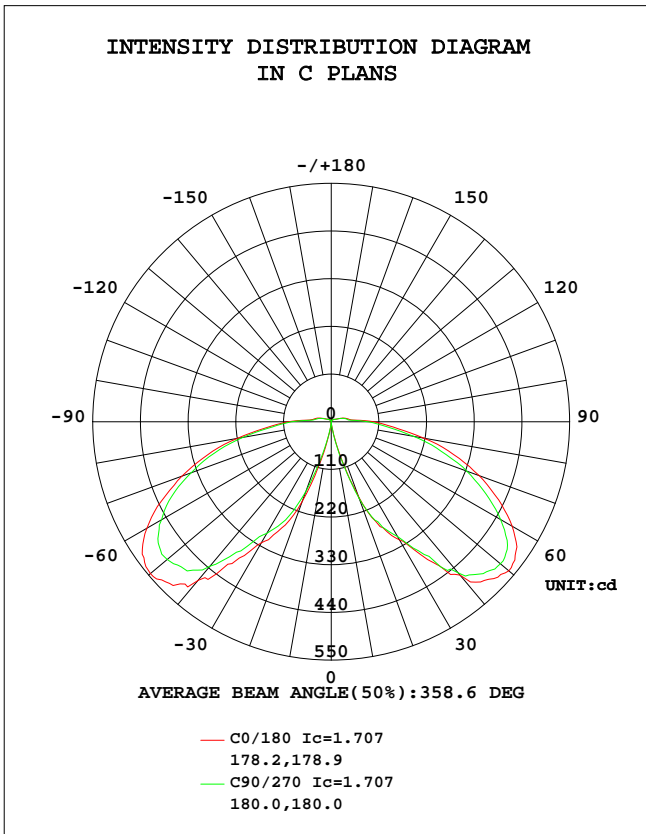


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:119.87V I:0.1329A P:15.797W PF:0.9916 Freq:59.98Hz Lamp Flux:2196.25x1 lm		
NAME: PLTS-12359 16W 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*1	Shielding Angle:

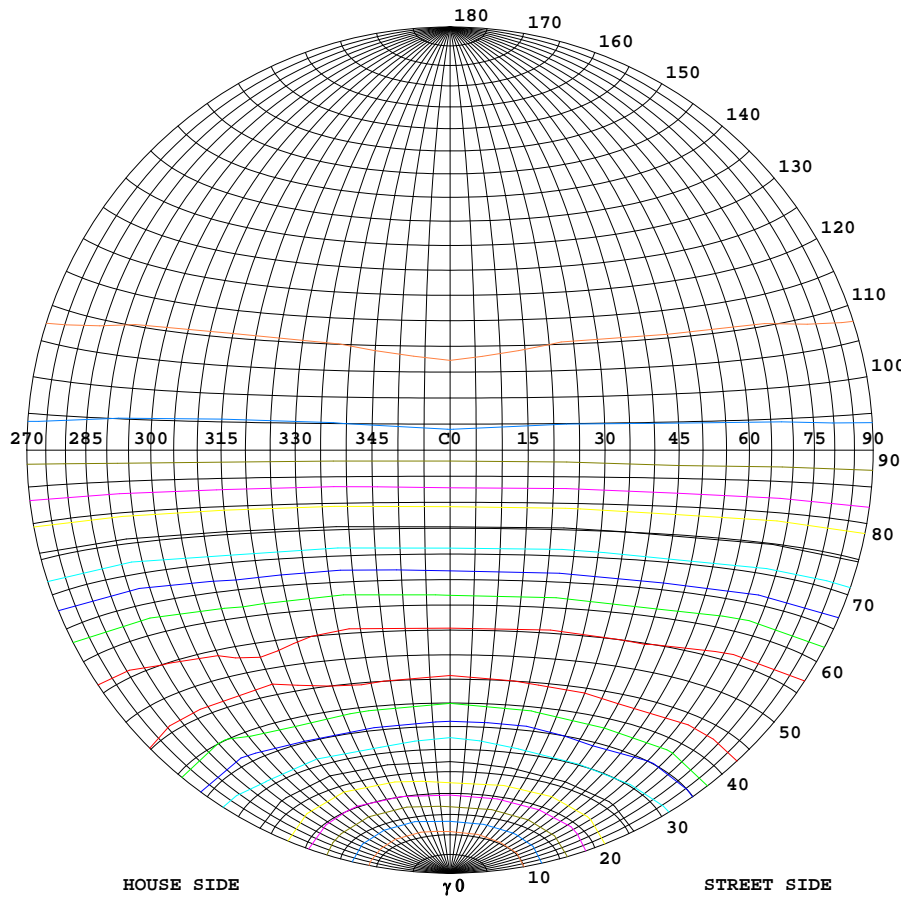
DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.03 lm/W			
MODEL		I <sub>max</sub> (cd)	544.6	η street_up(%)	3.2
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	46.7
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2196	η house_up(%)	3.3
NOMINAL FLUX(lm)	2196.25	MAXIMUM @(C,γ )	180,50.0	η house_down(%)	46.7
LAMPS INSIDE	1	η up(%)	6.5	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	93.5	SLI	20.465



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 GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.450m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**



**Classification:**

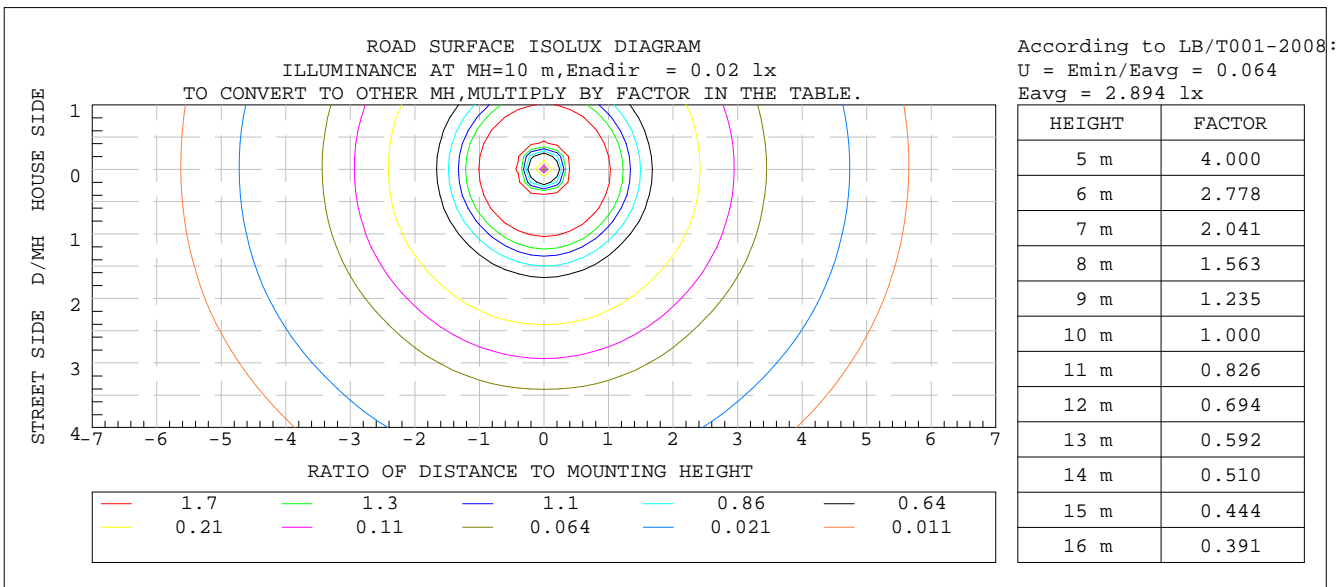
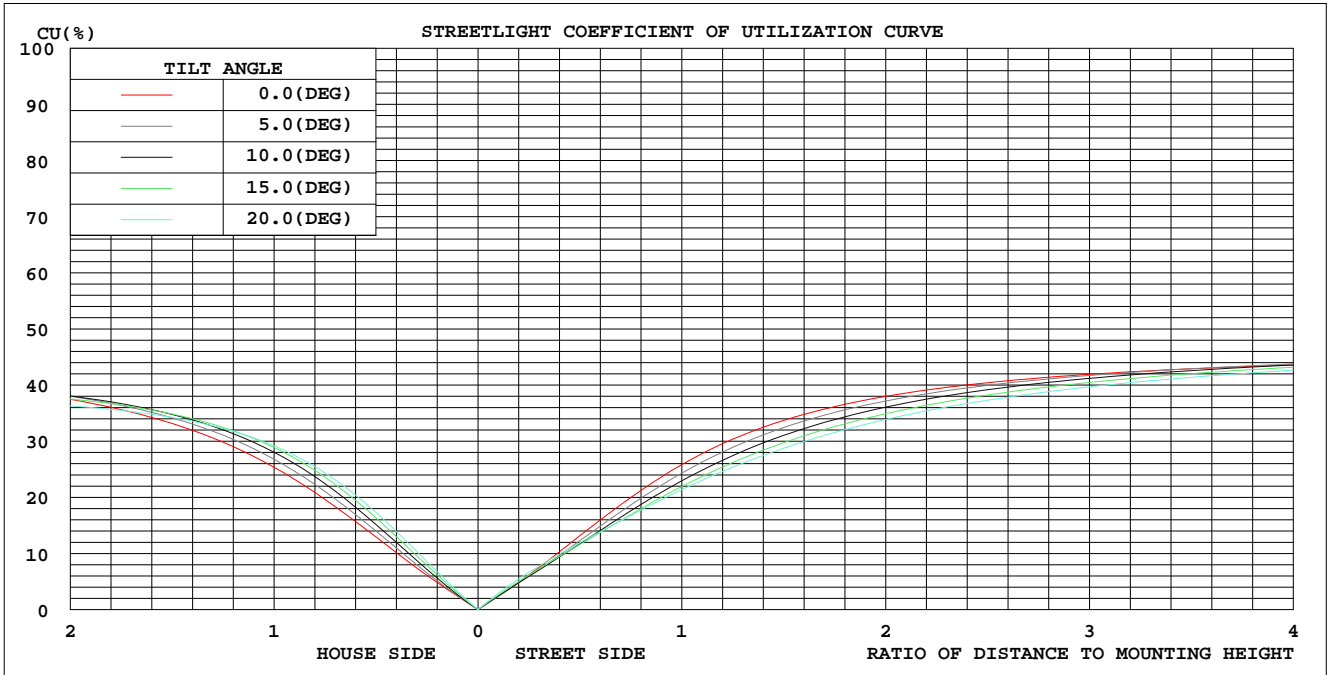
IES:Type V - Short  
 CIE:Broad - Short  
 IES:None cut-off  
 CIE:Semi-cut-off  
 Max.At80:99.82cd/klm  
 Max.At90:45.40cd/klm  
 Max.80-90:99.82cd/klm  
 NRB 5101:Semi limited[12.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	545
90%	490
80%	436
70%	381
60%	327
50%	272
40%	218
30%	163
20%	109
10%	54
5%	27

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 GO-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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
Humidity: 65.0%  
Test Distance: 8.450m [K=1.0000]  
Remarks:

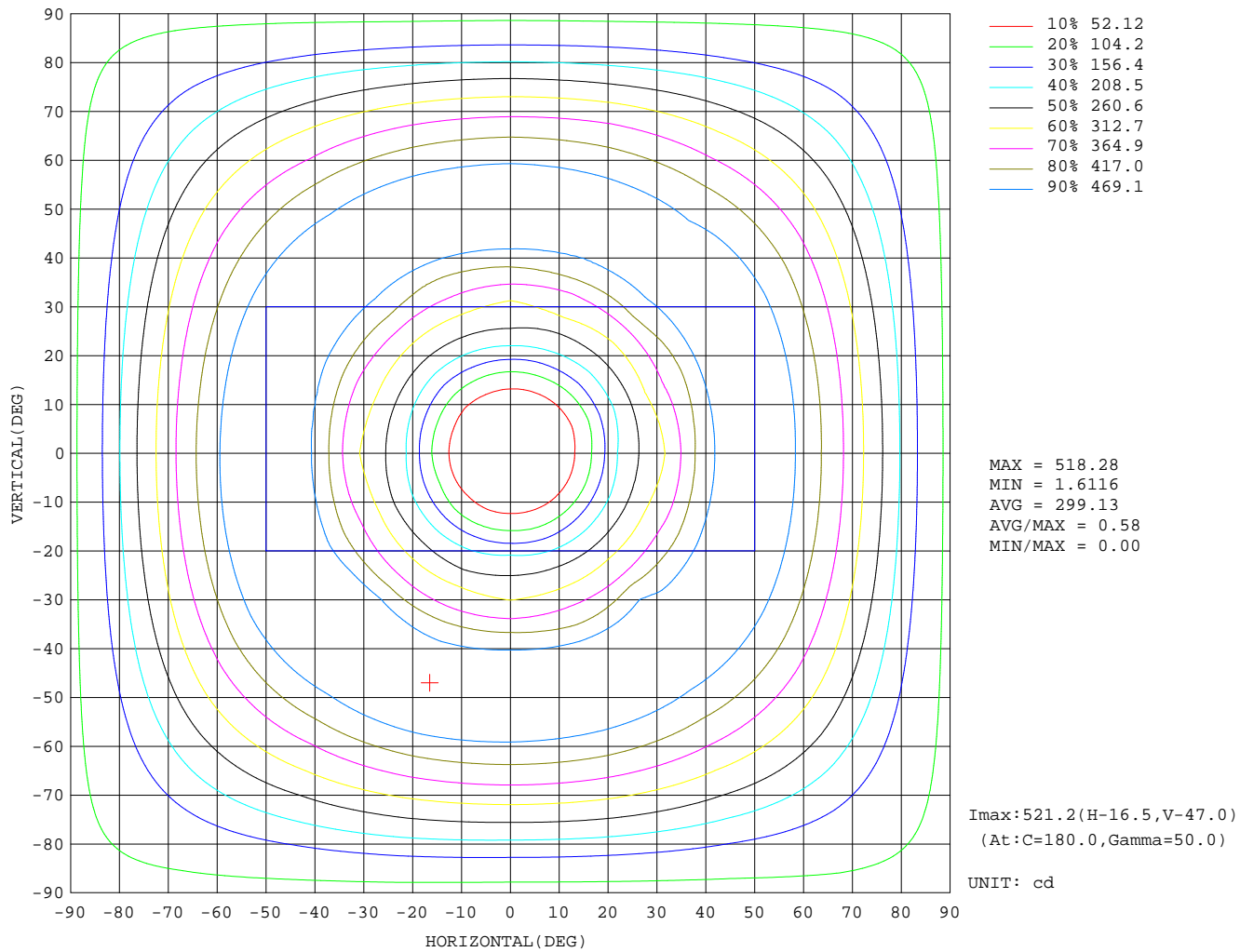
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	21.66	24.12	25.97	26.54	25.46	22.26	19.54	18.22	0- 10	0.8575	0.8575	0.04,0.04
20	183.8	177.8	187.9	184.7	194.6	167.4	170.4	158.1	10- 20	27.22	28.08	1.28,1.28
30	315.0	321.2	305.4	319.8	322.6	312.8	297.3	301.8	20- 30	117.5	145.5	6.63,6.63
40	462.0	468.7	454.6	478.1	477.2	458.6	434.9	454.4	30- 40	241.9	387.4	17.6,17.6
50	534.9	495.6	509.8	507.8	544.6	490.6	494.2	488.9	40- 50	380.6	768.0	35,35
60	481.7	445.4	451.2	454.0	490.7	450.2	452.2	447.3	50- 60	440.5	1208	55,55
70	362.6	330.5	332.3	331.6	366.2	339.1	343.7	340.0	60- 70	399.7	1608	73.2,73.2
80	215.7	193.0	190.9	198.0	219.2	208.1	206.7	206.5	70- 80	291.5	1900	86.5,86.5
90	98.52	88.65	85.10	88.74	99.71	94.35	92.47	94.28	80- 90	152.9	2053	93.5,93.5
100	39.36	40.28	36.26	39.99	39.72	40.76	36.04	40.45	90-100	62.66	2115	96.3,96.3
110	24.00	27.88	22.87	28.65	24.75	28.17	22.86	28.04	100-110	35.39	2151	97.9,97.9
120	12.50	15.85	12.03	15.78	13.00	16.54	12.19	16.29	110-120	20.02	2171	98.8,98.8
130	8.848	11.84	8.599	11.65	9.160	11.92	8.481	11.91	120-130	11.13	2182	99.3,99.3
140	6.258	8.969	6.046	8.757	6.319	8.928	5.975	9.088	130-140	7.031	2189	99.7,99.7
150	5.206	6.543	4.795	6.571	4.925	6.610	4.768	6.762	140-150	4.227	2193	99.9,99.9
160	3.787	4.033	2.887	3.765	3.574	4.073	3.396	4.256	150-160	2.160	2195	100,100
170	2.598	2.006	2.086	2.069	2.527	2.311	2.600	2.578	160-170	0.8780	2196	100,100
180	0.7811	0.8758	0.9841	1.003	0.7811	0.9038	0.9897	1.014	170-180	0.1747	2196	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 GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.450m [K=1.0000]  
 Remarks:

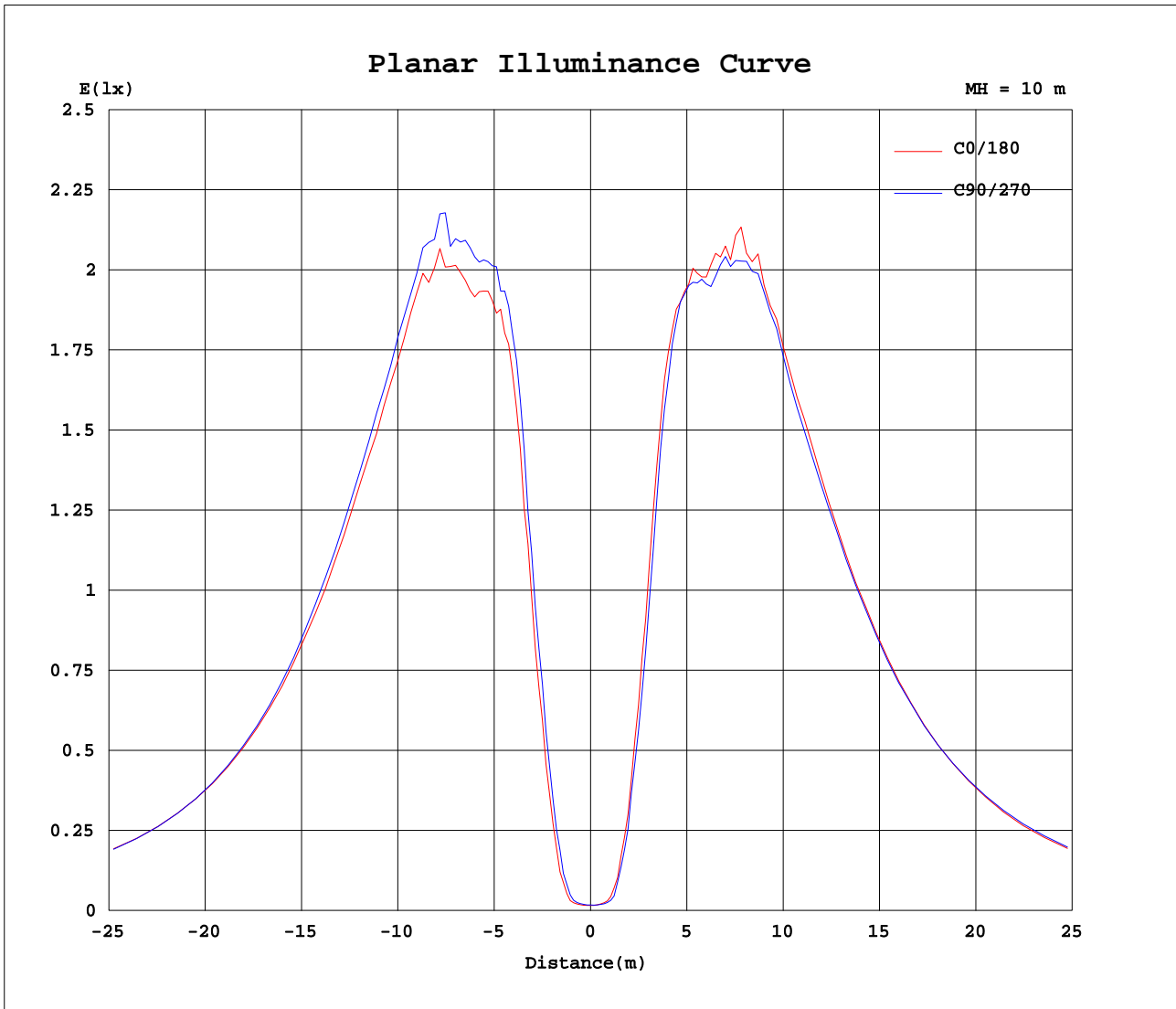
**ISOCANDELA DIAGRAM**



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 GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity: 65.0%  
 Test Distance: 8.450m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



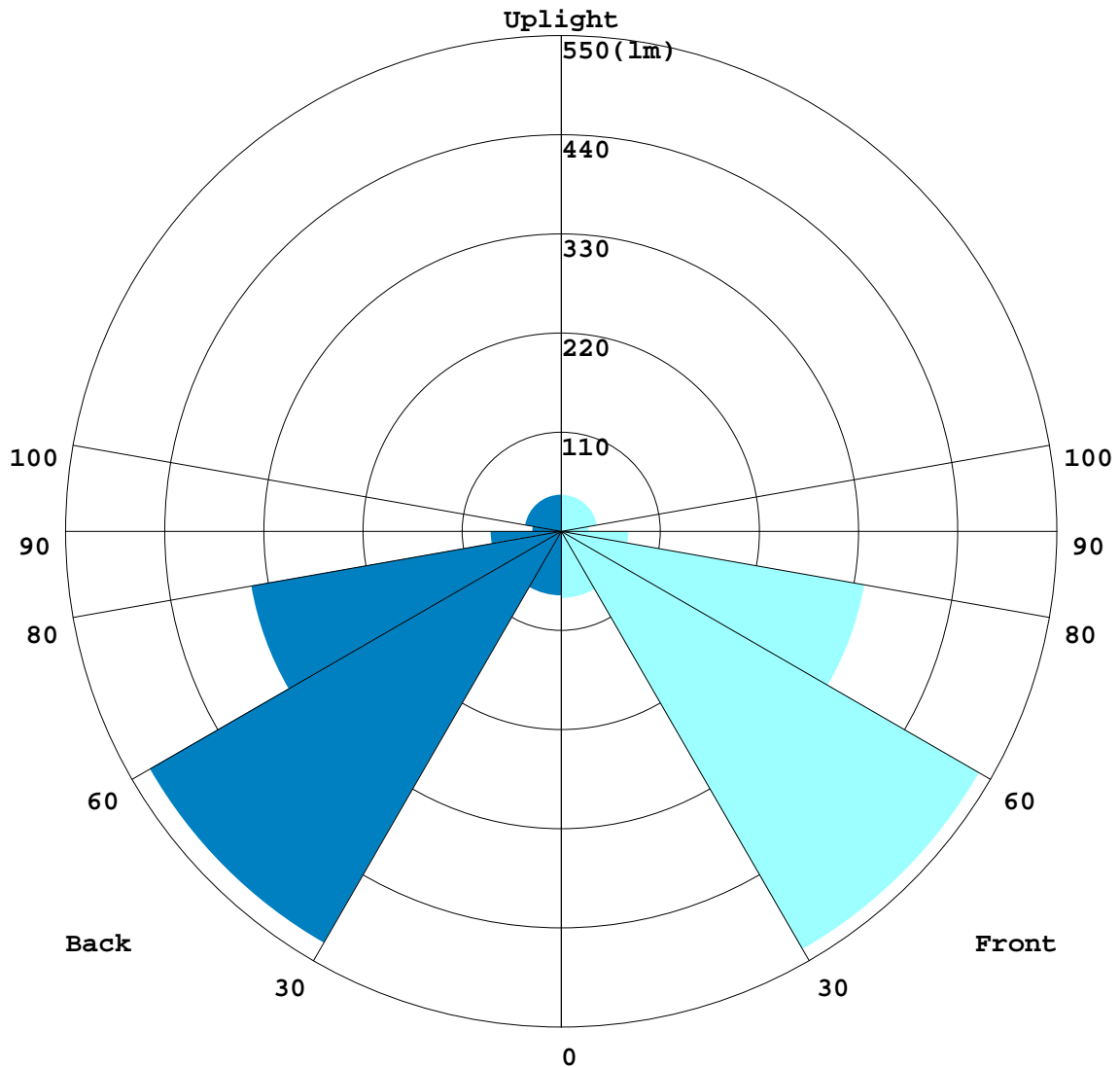
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: JINZHI  
 Test Date: 2022-05-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity: 65.0%  
 Test Distance: 8.450m [K=1.0000]  
 Remarks:

**LCS REPORT**

Test:U:119.87V I:0.1329A P:15.797W PF:0.9916 Freq:59.98Hz Lamp Flux:2196.25x1 lm		
NAME: PLTS-12359 16W 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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.450m [K=1.0000]  
 Remarks:

**BUG REPORT**

Test:U:119.87V I:0.1329A P:15.797W PF:0.9916 Freq:59.98Hz Lamp Flux:2196.25x1 lm		
NAME: PLTS-12359 16W 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)	74.265	3.4
FM - Front-Medium(30-60)	535.73	24.4
FH - Front-High(60-80)	341.78	15.6
FVH - Front-Very High(80-90)	74.766	3.4
<b>Total Forward Light</b>	<b>1097.6</b>	<b>50.0</b>

BL - Back-Low(0-30)	71.267	3.2
BM - Back-Medium(30-60)	527.2	24.0
BH - Back-High(60-80)	349.42	15.9
BVH - Back-Very High(80-90)	78.164	3.6
<b>Total Back Light</b>	<b>1098.6</b>	<b>50.0</b>

UL - Uplight-Low(90-100)	62.664	2.9
UH - Uplight-High(100-180)	81.005	3.7
<b>Total Up Light</b>	<b>143.67</b>	<b>6.5</b>

BUG(Back,Up,Glare) Rating	B1-U3-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1026	72.6	1098.6
Street Side	1026.5	71.069	1097.6

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

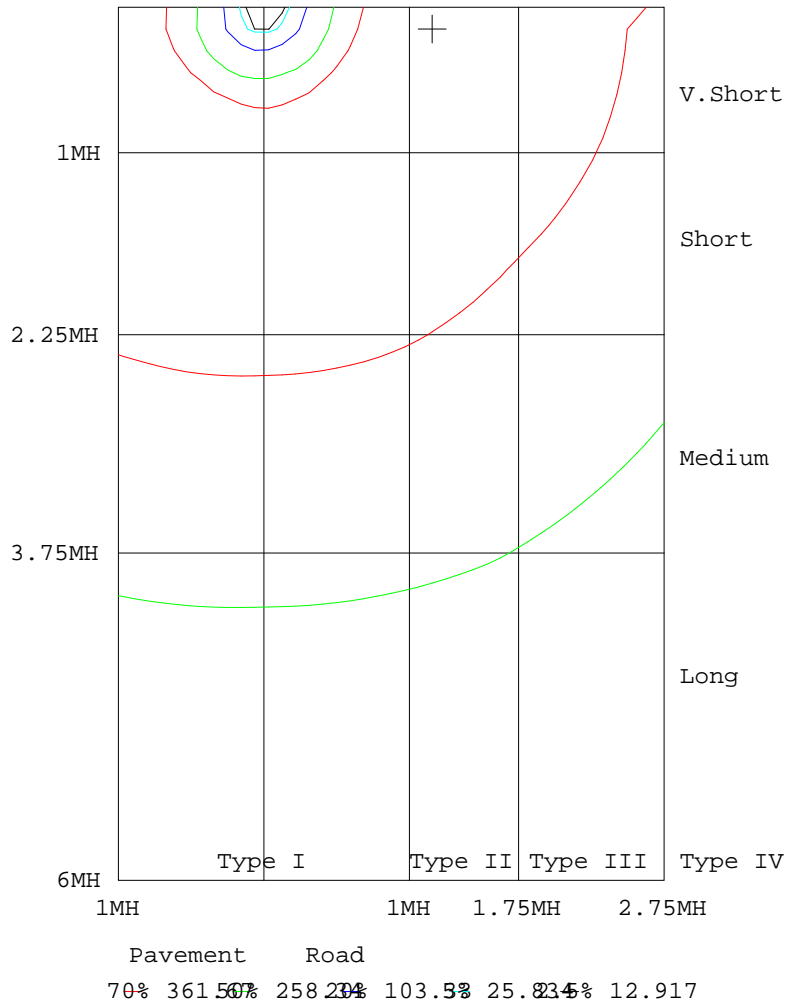
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity:65.0%  
 Test Distance:8.450m [K=1.0000]  
 Remarks:



**ROAD ISOCANDELA REPORT**

Test:U:119.87V I:0.1329A P:15.797W PF:0.9916 Freq:59.98Hz Lamp Flux:2196.25x1 lm		
NAME: PLTS-12359 16W 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 GO-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	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71			
5	2.61	2.64	2.86	2.98	3.17	3.17	3.35	3.29	3.24	3.09	2.80	2.69	2.52	2.47	2.39	2.37			
10	21.7	23.2	24.1	25.3	26.0	27.1	26.5	27.1	25.5	25.3	22.3	22.0	19.5	19.6	18.2	17.7			
15	81.8	78.9	81.1	83.7	88.9	90.1	89.3	88.1	93.0	85.6	78.3	73.2	74.1	72.7	69.6	67.1			
20	184	178	178	175	188	181	185	184	195	183	167	168	170	169	158	163			
25	267	258	252	254	255	250	251	251	270	256	247	247	250	242	241	238			
30	315	323	321	315	305	319	320	326	323	327	313	307	297	312	302	313			
35	388	378	387	371	374	373	388	381	400	380	378	368	364	360	373	373			
40	462	456	469	448	455	449	478	462	477	453	459	440	435	427	454	451			
45	514	503	491	489	496	497	502	507	527	502	485	480	480	478	484	493			
50	535	518	496	499	510	512	508	521	545	521	491	487	494	496	489	505			
55	520	504	484	488	496	498	495	511	532	509	481	481	487	480	479	496			
60	482	468	445	447	451	453	454	469	491	473	450	448	452	452	447	461			
65	426	415	392	394	394	395	394	408	431	417	400	401	406	404	399	409			
70	363	350	331	331	332	332	332	344	366	357	339	341	344	345	340	348			
75	292	283	266	264	263	266	266	276	296	289	277	276	278	277	277	281			
80	216	208	193	192	191	196	198	205	219	216	208	205	207	206	206	209			
85	144	138	128	126	127	130	131	136	147	143	137	134	136	135	137	139			
90	98.5	95.1	88.6	86.0	85.1	87.6	88.7	91.4	99.7	97.4	94.3	91.5	92.5	92.9	94.3	94.4			
95	49.7	54.9	52.6	50.5	44.4	49.8	51.3	52.6	50.2	55.9	55.9	52.9	45.6	54.0	56.5	55.4			
100	39.4	41.2	40.3	38.7	36.3	38.9	40.0	40.7	39.7	41.4	40.8	39.0	36.0	38.8	40.5	40.2			
105	32.7	35.1	34.0	33.1	30.8	34.1	34.9	35.2	33.4	35.1	34.5	33.1	30.2	33.1	34.2	34.1			
110	24.0	28.5	27.9	27.2	22.9	27.6	28.7	28.5	24.8	27.8	28.2	26.9	22.9	27.1	28.0	27.4			
115	16.6	21.2	20.8	20.0	15.9	20.0	21.0	20.8	17.2	20.7	21.5	20.5	16.2	20.5	21.4	20.5			
120	12.5	15.7	15.9	15.0	12.0	14.7	15.8	15.4	13.0	15.7	16.5	15.5	12.2	15.3	16.3	15.4			
125	10.39	12.8	13.4	12.4	10.1	12.0	13.2	12.6	10.8	12.8	13.7	12.6	10.0	12.4	13.6	12.5			
130	8.85	10.9	11.8	10.7	8.60	10.3	11.6	10.8	9.16	10.8	11.9	10.6	8.48	10.5	11.9	10.7			
135	7.43	9.43	10.4	9.25	7.30	8.84	10.1	9.22	7.74	9.20	10.4	8.99	7.19	9.03	10.5	9.25			
140	6.26	8.04	8.97	7.87	6.05	7.58	8.76	7.77	6.32	7.73	8.93	7.65	5.97	7.68	9.09	7.96			
145	5.87	6.91	7.71	6.71	5.44	6.57	7.67	6.71	5.65	6.68	7.74	6.55	5.33	6.62	7.92	6.85			
150	5.21	5.73	6.54	5.55	4.79	5.49	6.57	5.54	4.93	5.62	6.61	5.60	4.77	5.59	6.76	5.66			
155	4.30	4.69	5.24	4.40	3.62	4.19	5.09	4.37	4.10	4.60	5.27	4.48	3.92	4.52	5.44	4.72			
160	3.79	3.98	4.03	3.38	2.89	3.25	3.76	3.57	3.57	3.91	4.07	3.68	3.40	3.76	4.26	4.01			
165	3.38	3.21	2.87	2.64	2.43	2.69	2.89	2.87	3.18	3.19	3.19	3.09	2.97	3.17	3.33	3.33			
170	2.60	2.24	2.01	2.04	2.09	2.12	2.07	2.21	2.53	2.45	2.31	2.43	2.60	2.59	2.58	2.60			
175	1.61	1.46	1.32	1.37	1.39	1.51	1.47	1.64	1.51	1.68	1.63	1.70	1.81	1.87	1.78	1.78			
180	0.78	0.75	0.88	0.99	0.98	1.00	1.00	0.94	0.78	0.75	0.90	0.98	0.99	1.01	1.01	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 GO-2000B\_V1 SYSTEM V2.00.429  
 Humidity: 65.0%  
 Test Distance: 8.450m [K=1.0000]  
 Remarks: