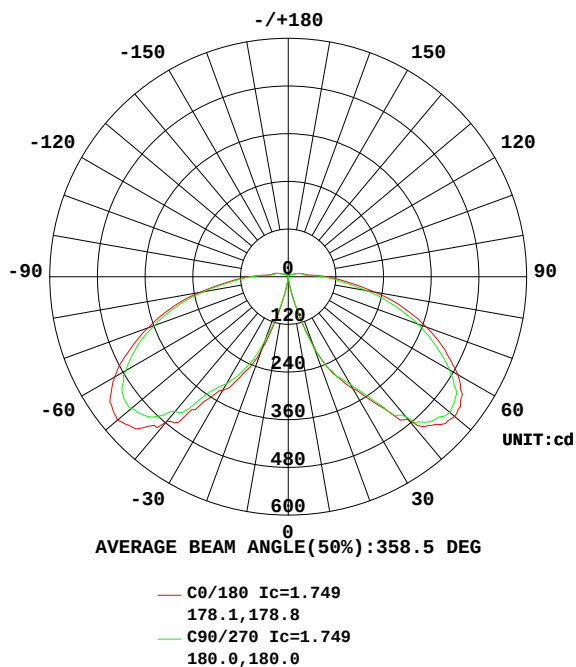
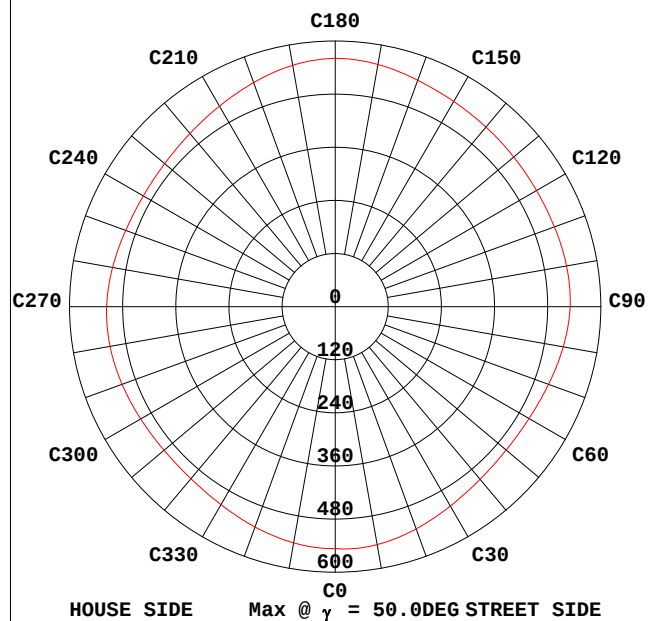


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.86V I:0.1361A P:16.177W PF:0.9919 Freq:59.98Hz Lamp Flux:2259.72x1 lm		
NAME: PLTS-12359 16W 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.02*1	Shielding Angle:

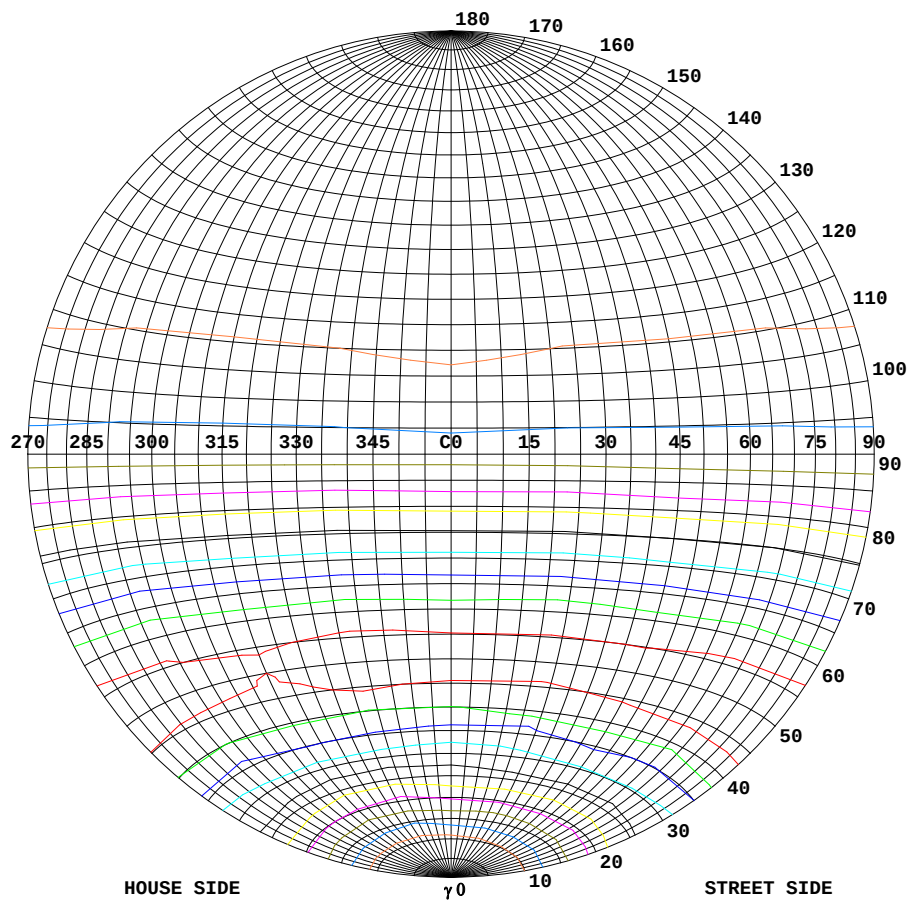
DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.69 lm/W			
MODEL		I _{max} (cd)	561.1	η street_up(%)	3.2
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	46.7
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2260	η house_up(%)	3.3
NOMINAL FLUX(lm)	2259.72	MAXIMUM @(C,γ)	180,50.0	η house_down(%)	46.8
LAMPS INSIDE	1	η up(%)	6.5	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	93.5	SLI	20.503

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



Classification:

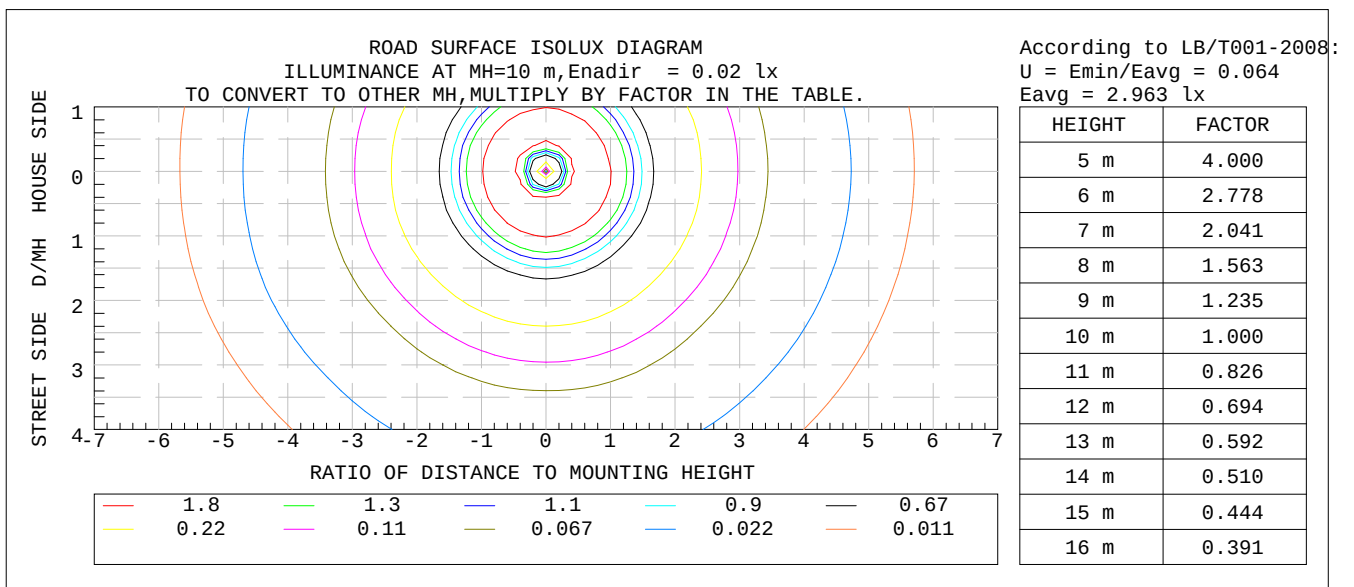
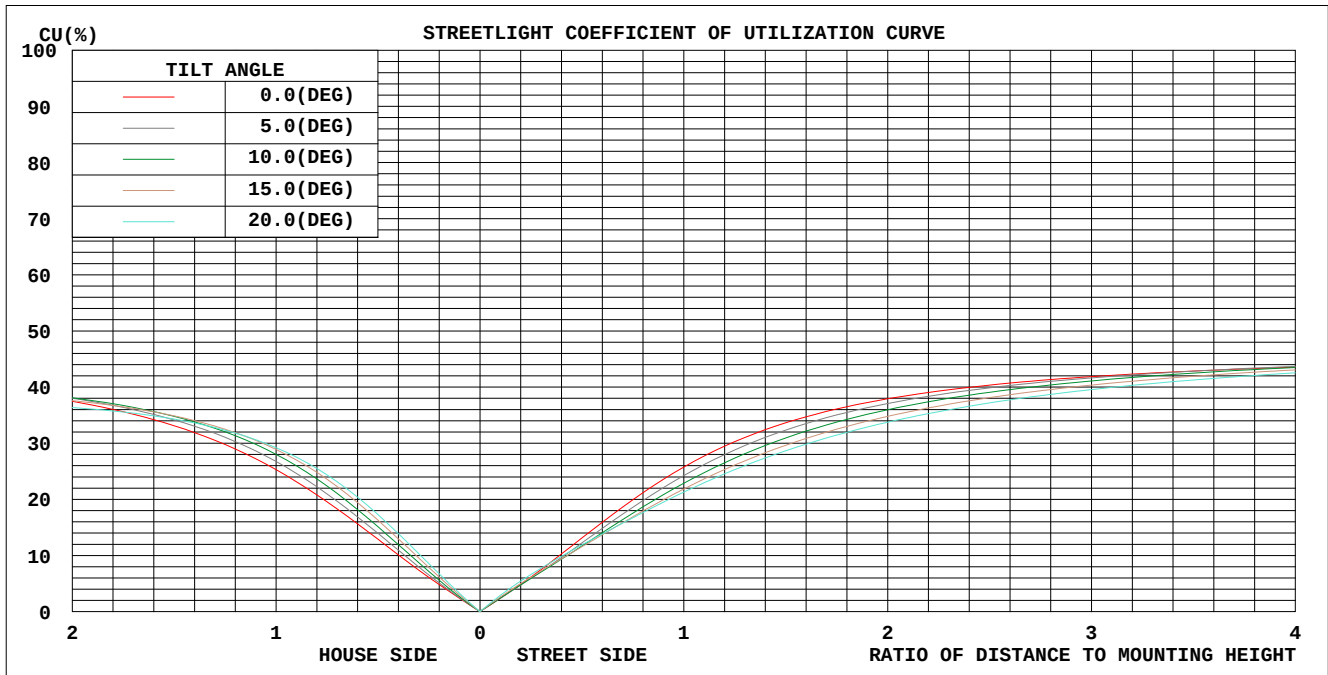
IES:Type V - Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Semi-cut-off
 Max.At80:99.78cd/klm
 Max.At90:45.44cd/klm
 Max.80-90:99.78cd/klm
 NRB 5101:Semi limited[12.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	561
90%	505
80%	449
70%	393
60%	337
50%	281
40%	224
30%	168
20%	112
10%	56
5%	28

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:

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:

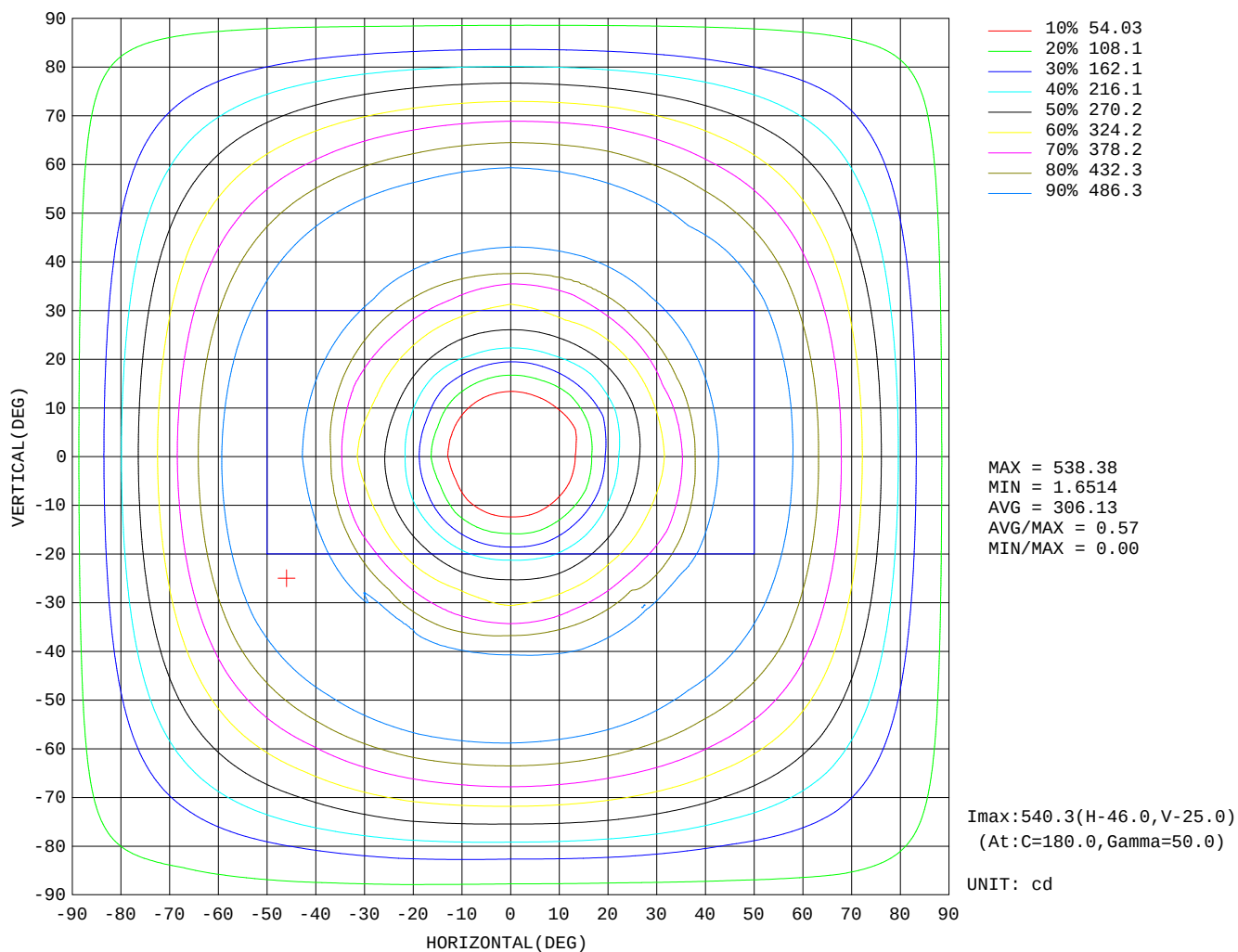
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	21.76	25.04	27.65	26.39	24.45	22.91	20.33	18.36	0- 10	0.8728	0.8728	0.04,0.04
20	186.2	181.6	196.0	189.2	192.4	168.6	171.2	160.9	10- 20	27.66	28.53	1.26,1.26
30	325.7	325.2	312.2	331.6	330.8	320.3	310.9	310.4	20- 30	119.8	148.3	6.56,6.56
40	469.3	479.7	459.9	500.0	475.9	467.2	442.1	463.7	30- 40	247.2	395.5	17.5,17.5
50	546.5	505.8	530.5	527.9	561.1	506.2	516.4	505.2	40- 50	389.9	785.4	34.8,34.8
60	492.6	458.4	468.2	469.4	504.0	465.2	471.3	466.4	50- 60	454.5	1240	54.9,54.9
70	369.9	340.6	346.7	344.6	374.7	351.3	355.9	354.6	60- 70	412.7	1653	73.1,73.1
80	220.4	198.3	200.0	207.4	225.5	213.7	215.0	215.7	70- 80	301.4	1954	86.5,86.5
90	101.4	90.78	88.39	92.45	102.7	97.07	95.89	99.06	80- 90	158.2	2112	93.5,93.5
100	40.29	41.21	37.38	41.27	40.43	41.51	37.28	42.04	90-100	64.55	2177	96.3,96.3
110	24.43	28.43	23.56	29.71	25.27	28.67	23.57	29.30	100-110	36.31	2213	97.9,97.9
120	12.74	16.21	12.43	16.33	13.27	16.87	12.55	16.94	110-120	20.55	2234	98.8,98.8
130	8.991	12.07	8.864	11.99	9.305	12.16	8.739	12.29	120-130	11.41	2245	99.3,99.3
140	6.376	9.121	6.262	8.984	6.443	9.102	6.145	9.364	130-140	7.196	2252	99.7,99.7
150	5.272	6.650	4.866	6.832	4.981	6.684	4.946	6.934	140-150	4.319	2256	99.9,99.9
160	3.844	4.019	2.943	3.880	3.669	4.137	3.501	4.397	150-160	2.205	2259	100,100
170	2.533	2.046	2.159	2.136	2.570	2.367	2.683	2.621	160-170	0.8950	2260	100,100
180	0.7877	0.9608	1.037	1.033	0.7937	0.9888	1.026	1.045	170-180	0.1784	2260	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:

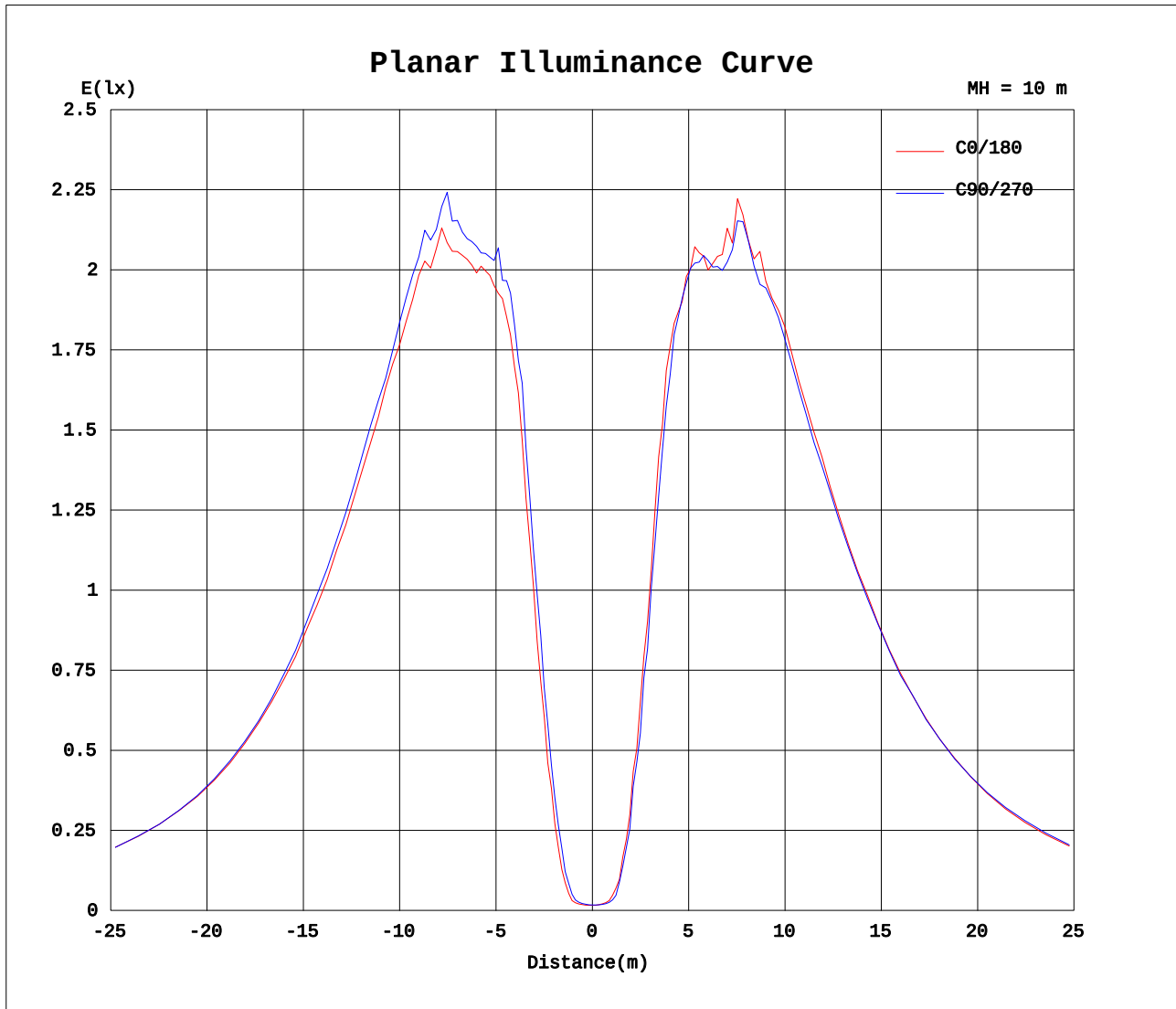
ISOCANDELA DIAGRAM



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



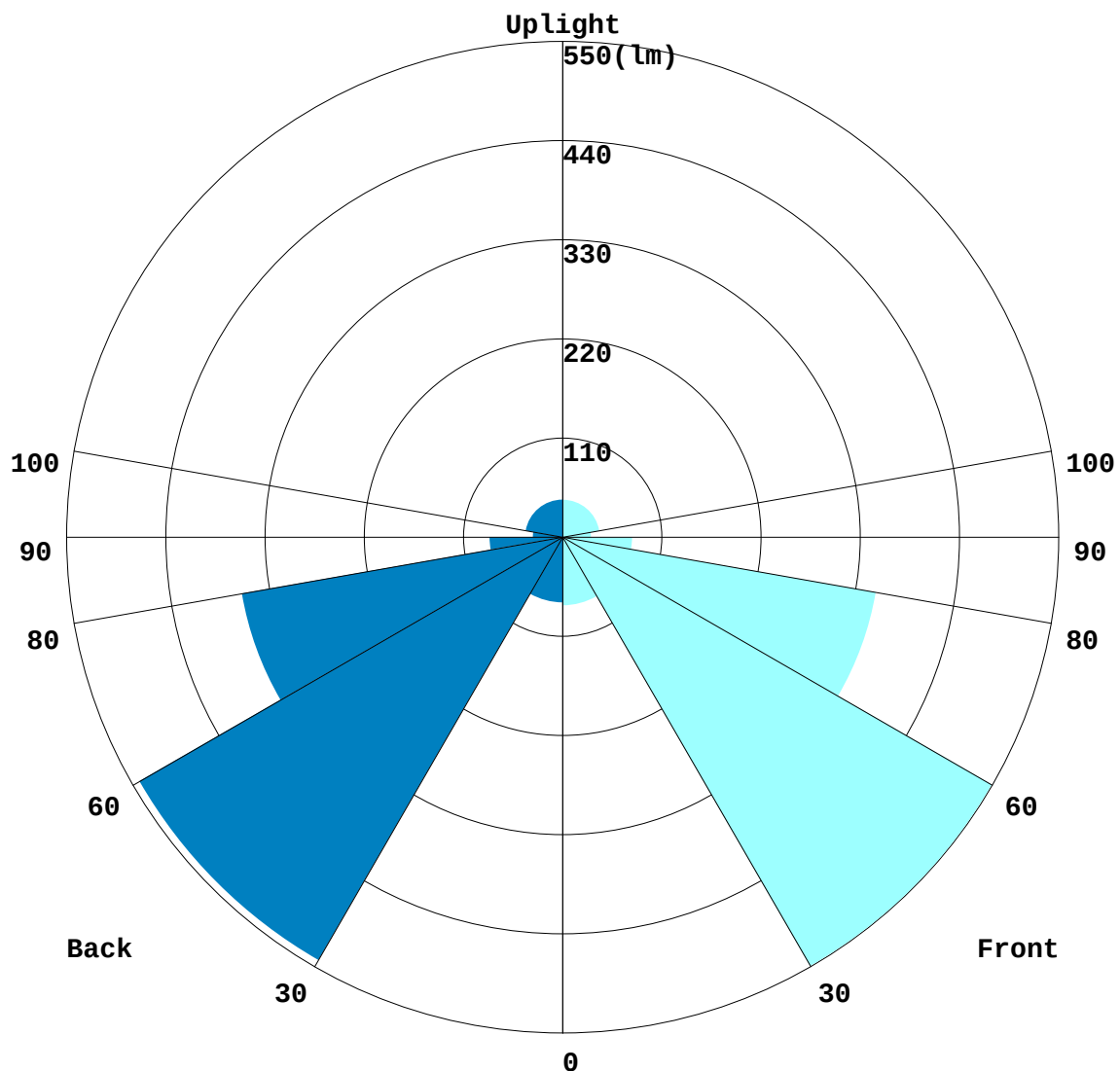
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JINZHI
Test Date: 2022-05-09

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:119.86V I:0.1361A P:16.177W PF:0.9919 Freq:59.98Hz Lamp Flux:2259.72x1 lm		
NAME: PLTS-12359 16W 5000K	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:119.86V I:0.1361A P:16.177W PF:0.9919 Freq:59.98Hz Lamp Flux:2259.72x1 lm		
NAME: PLTS-12359 16W 5000K	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)	75.83	3.4
FM - Front-Medium(30-60)	549.65	24.3
FH - Front-High(60-80)	352.75	15.6
FVH - Front-Very High(80-90)	77.207	3.4
Total Forward Light	1128.3	49.9

BL - Back-Low(0-30)	72.484	3.2
BM - Back-Medium(30-60)	541.95	24.0
BH - Back-High(60-80)	361.27	16.0
BVH - Back-Very High(80-90)	80.969	3.6
Total Back Light	1131.4	50.1

UL - Uplight-Low(90-100)	64.547	2.9
UH - Uplight-High(100-180)	83.059	3.7
Total Up Light	147.61	6.5

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1056.7	74.703	1131.4
Street Side	1055.4	72.902	1128.3

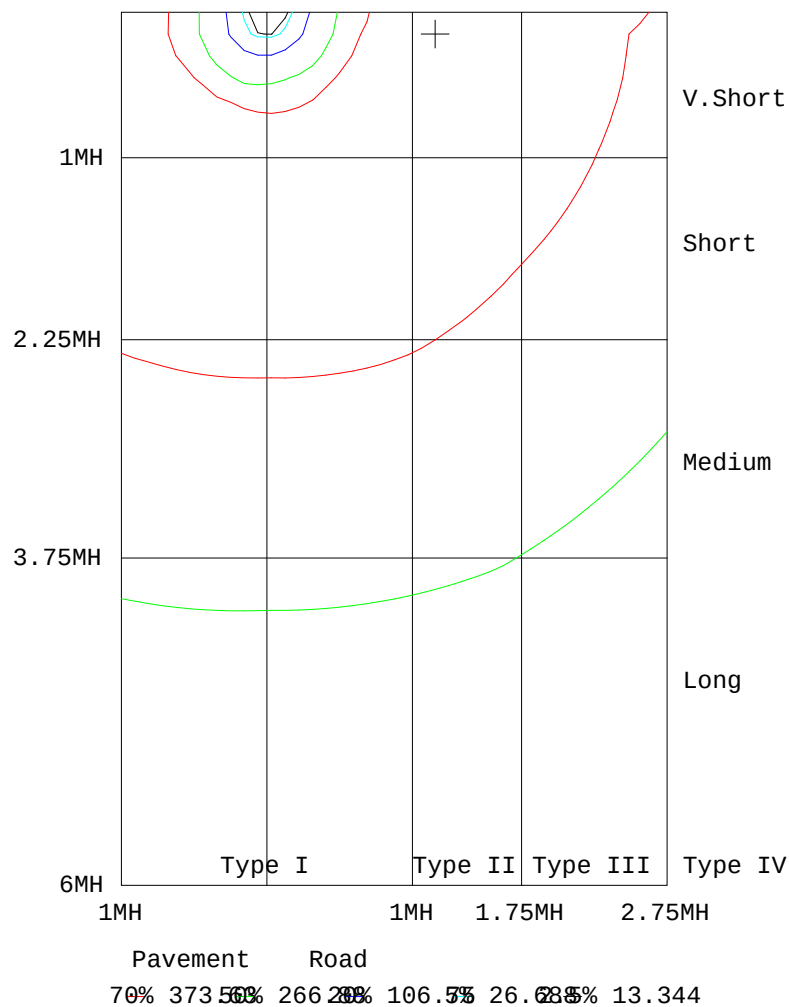
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JINZHI
Test Date:2022-05-09

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:119.86V I:0.1361A P:16.177W PF:0.9919 Freq:59.98Hz Lamp Flux:2259.72x1 lm		
NAME: PLTS-12359 16W 5000K	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	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75			
5	2.62	2.73	2.97	3.05	3.32	3.19	3.40	3.49	3.31	3.14	2.85	2.68	2.59	2.53	2.45	2.49			
10	21.8	23.4	25.0	26.7	27.6	28.8	26.4	29.8	24.5	23.8	22.9	21.9	20.3	19.9	18.4	19.5			
15	83.4	81.0	83.1	82.0	94.1	94.2	89.5	92.0	92.7	87.5	78.2	76.0	79.7	75.7	70.4	62.5			
20	186	180	182	174	196	184	189	193	192	187	169	173	171	170	161	151			
25	270	267	256	248	261	259	263	259	269	268	254	246	254	253	248	232			
30	326	328	325	316	312	333	332	329	331	333	320	309	311	321	310	312			
35	394	385	394	374	387	384	415	392	408	389	395	377	364	369	396	386			
40	469	481	480	442	460	470	500	456	476	466	467	432	442	442	464	449			
45	525	514	500	499	513	506	519	530	542	508	489	492	498	493	497	511			
50	546	531	506	510	531	526	528	542	561	535	506	502	516	511	505	526			
55	532	519	496	497	517	512	514	528	548	520	497	494	510	500	500	515			
60	493	482	458	453	468	469	469	483	504	487	465	459	471	470	466	478			
65	435	431	405	401	410	411	408	420	442	433	412	408	422	421	417	420			
70	370	364	341	339	347	348	345	353	375	370	351	348	356	359	355	357			
75	299	293	276	271	274	278	278	284	305	298	286	282	291	289	288	290			
80	220	215	198	197	200	205	207	211	225	221	214	211	215	214	216	217			
85	147	144	132	129	132	136	138	137	151	147	142	138	142	141	143	144			
90	101	98.2	90.8	87.3	88.4	91.4	92.5	92.3	103	101	97.1	93.4	95.9	97.3	99.1	97.7			
95	51.1	56.8	53.9	51.3	45.9	51.7	53.2	53.3	51.3	57.4	57.5	53.8	47.0	56.3	58.8	57.1			
100	40.3	42.5	41.2	39.2	37.4	40.2	41.3	41.0	40.4	42.5	41.5	39.5	37.3	40.4	42.0	41.3			
105	33.3	36.2	34.6	33.6	31.7	35.3	36.0	35.6	34.0	36.2	35.0	33.7	31.2	34.5	35.5	35.0			
110	24.4	29.4	28.4	27.6	23.6	28.5	29.7	28.8	25.3	28.7	28.7	27.4	23.6	28.2	29.3	28.2			
115	16.9	21.8	21.2	20.4	16.4	20.7	21.8	21.0	17.6	21.3	21.9	20.8	16.7	21.3	22.3	21.1			
120	12.7	16.2	16.2	15.2	12.4	15.1	16.3	15.6	13.3	16.2	16.9	15.7	12.6	15.8	16.9	15.8			
125	10.6	13.2	13.7	12.6	10.4	12.3	13.7	12.8	11.0	13.2	14.0	12.7	10.3	12.8	14.1	12.9			
130	8.99	11.2	12.1	10.9	8.86	10.6	12.0	11.0	9.31	11.2	12.2	10.7	8.74	10.9	12.3	11.0			
135	7.57	9.66	10.7	9.36	7.51	9.09	10.4	9.42	7.84	9.44	10.6	9.13	7.41	9.30	10.8	9.47			
140	6.38	8.25	9.12	7.95	6.26	7.79	8.98	7.95	6.44	7.93	9.10	7.76	6.15	7.92	9.36	8.14			
145	5.95	7.06	7.87	6.76	5.61	6.73	7.91	6.85	5.79	6.90	7.84	6.66	5.50	6.80	8.19	7.03			
150	5.27	5.81	6.65	5.62	4.87	5.62	6.83	5.72	4.98	5.71	6.68	5.72	4.95	5.72	6.93	5.81			
155	4.37	4.77	5.34	4.47	3.61	4.27	5.25	4.56	4.17	4.70	5.35	4.55	4.04	4.61	5.62	4.81			
160	3.84	4.06	4.02	3.37	2.94	3.35	3.88	3.71	3.67	4.00	4.14	3.72	3.50	3.83	4.40	4.10			
165	3.41	3.21	2.87	2.67	2.50	2.75	2.97	2.96	3.23	3.28	3.25	3.11	3.05	3.24	3.44	3.38			
170	2.53	2.26	2.05	2.07	2.16	2.16	2.14	2.27	2.57	2.53	2.37	2.47	2.68	2.66	2.62	2.63			
175	1.61	1.47	1.34	1.38	1.46	1.60	1.53	1.66	1.61	1.74	1.64	1.71	1.82	1.92	1.83	1.81			
180	0.79	0.82	0.96	0.98	1.04	1.04	1.03	0.95	0.79	0.81	0.99	1.00	1.03	1.04	1.04	0.97			

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: