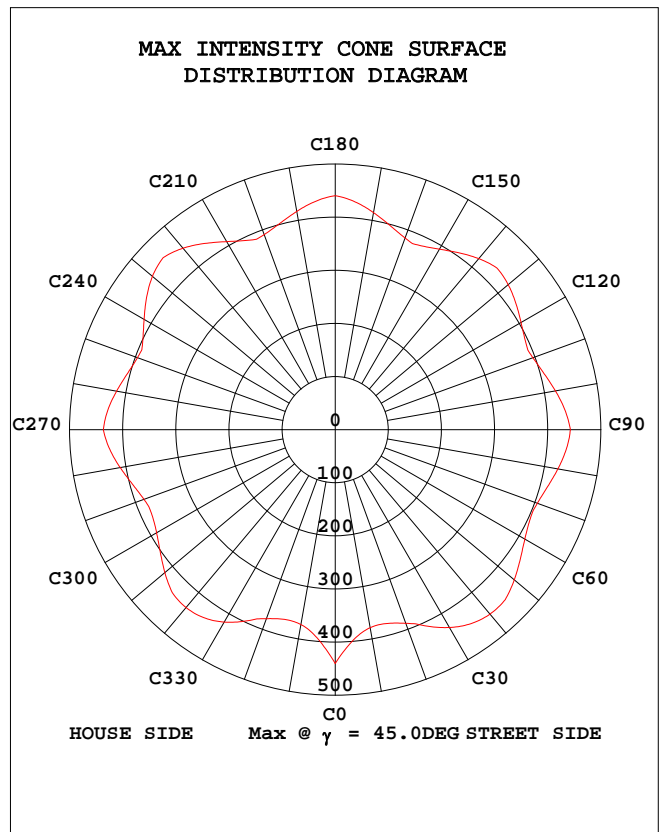
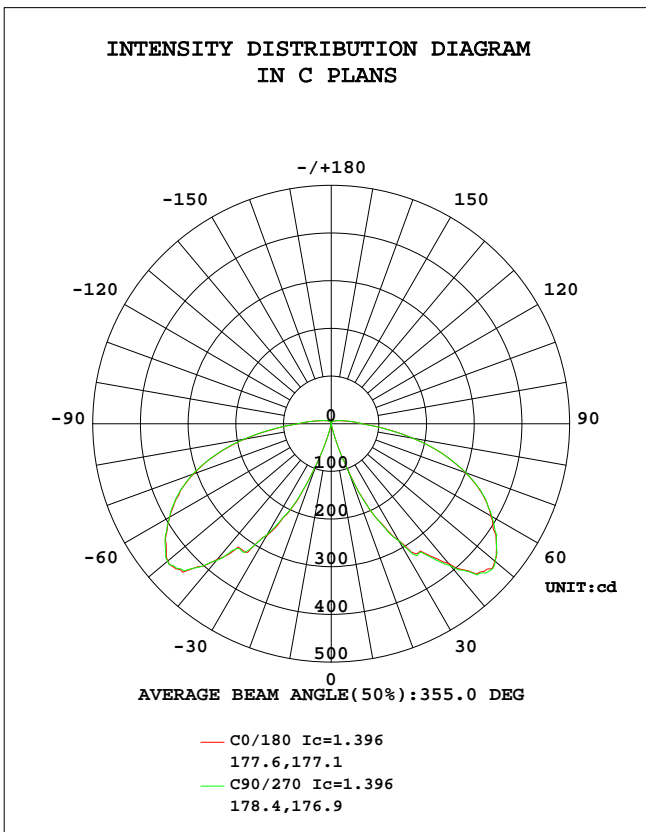


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.86V I:0.1370A P:16.251W PF:0.9900 Freq:59.98Hz Lamp Flux:2028.77x1 lm		
NAME: PLTS-12361 16W 4K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.595*0.595	Shielding Angle:

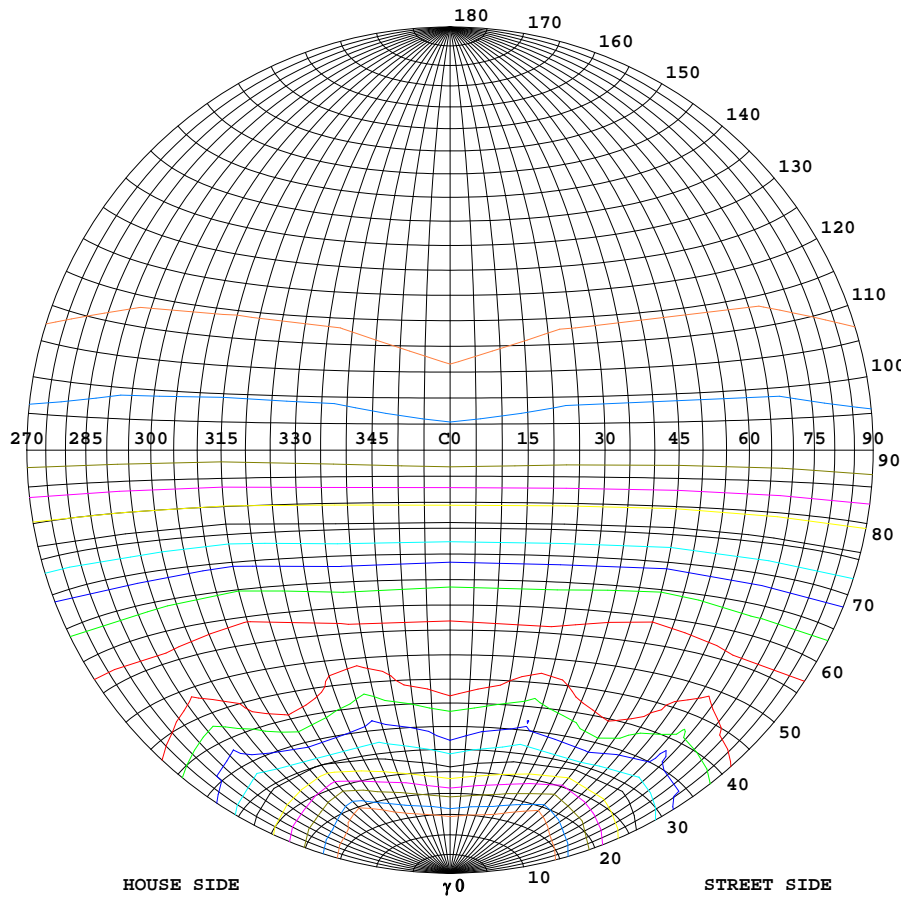
DATA OF LAMP		PHOTOMETRIC DATA Eff: 124.84 lm/W			
MODEL		I _{max} (cd)	458.0	η street_up(%)	3.8
NOMINAL POWER(W)	25	LOR(%)	100.0	η street_down(%)	46.2
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2029	η house_up(%)	3.9
NOMINAL FLUX(lm)	2028.77	MAXIMUM @(C,γ)	225,45.0	η house_down(%)	46.1
LAMPS INSIDE	1	η up(%)	7.7	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	92.3	SLI	20.319



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JINZHI
 Test Date:2022-05-04

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:

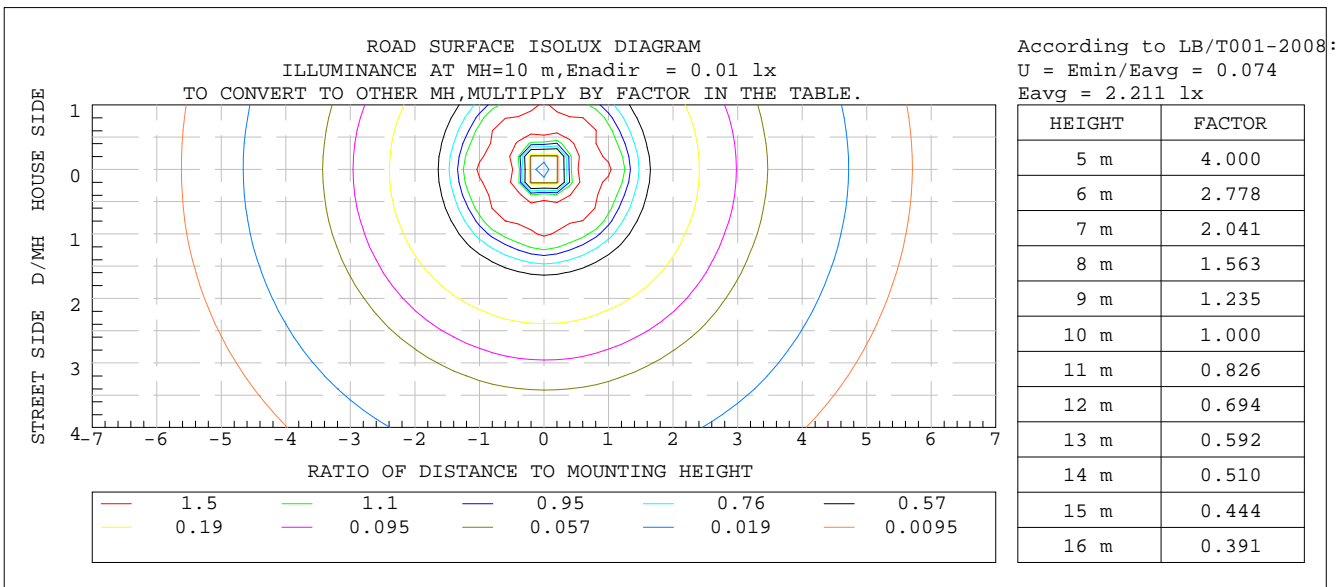
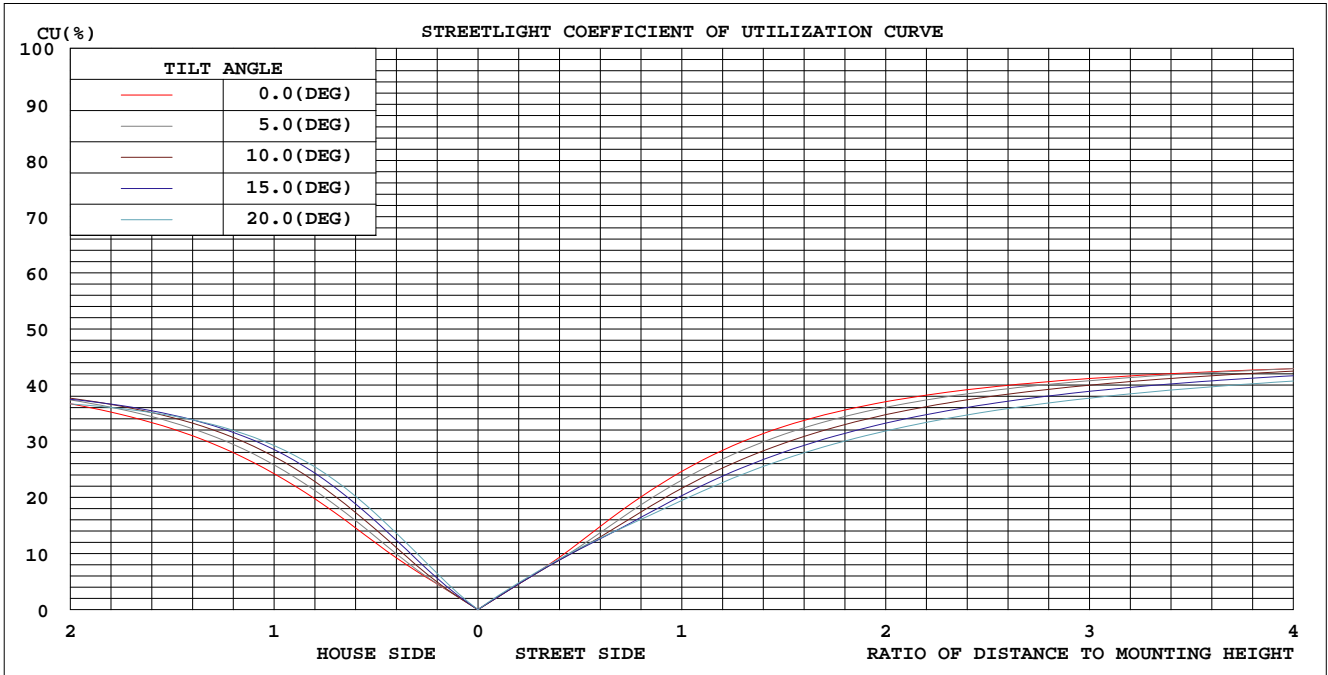
IES:Type V - Very Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:105.5cd/klm
 Max.At90:44.02cd/klm
 Max.80-90:105.5cd/klm
 NRB 5101:Semi limited[12.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	458
90%	412
80%	366
70%	321
60%	275
50%	229
40%	183
30%	137
20%	92
10%	46
5%	23

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JINZHI
 Test Date:2022-05-04

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: 2022-05-04

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:

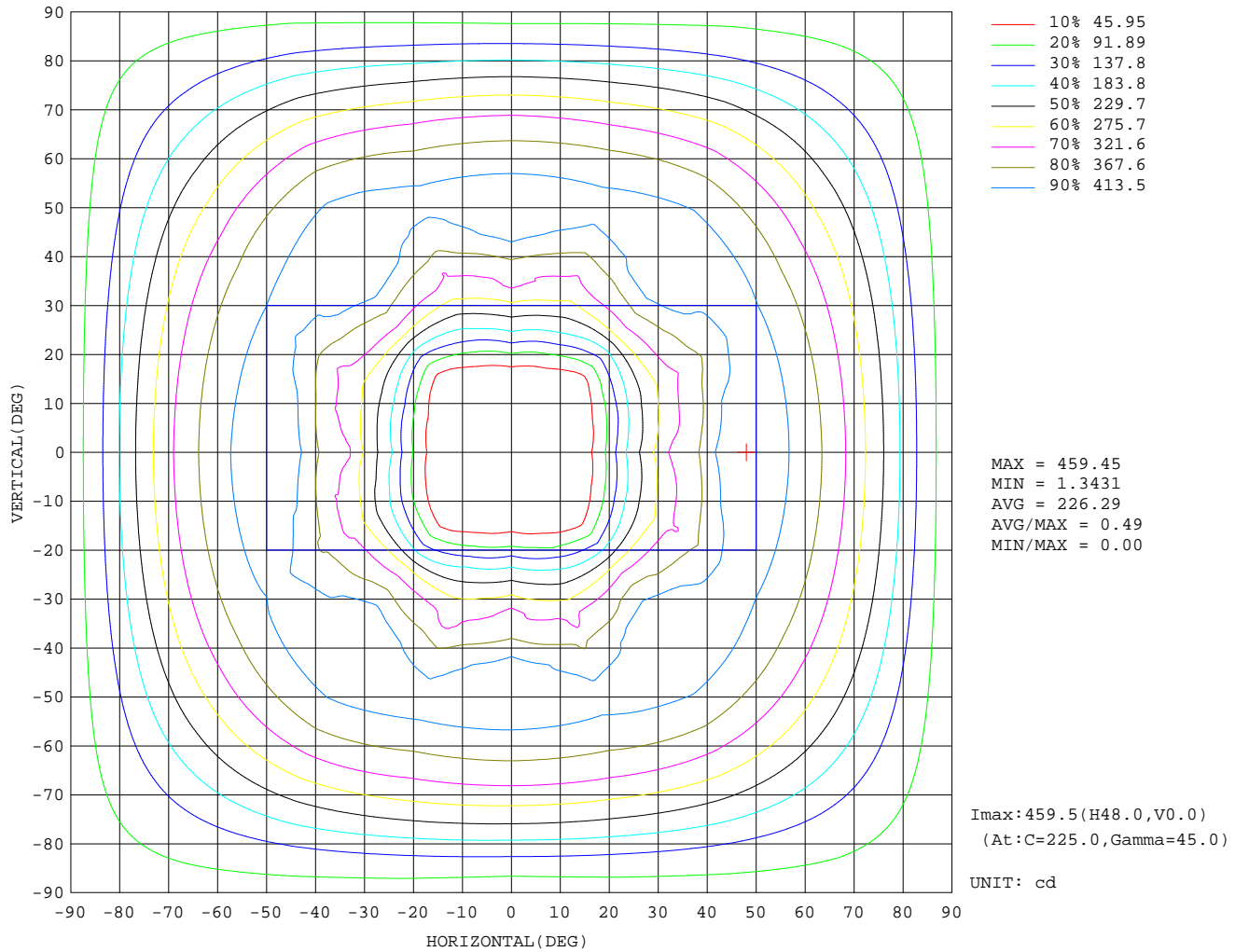
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2.291	2.410	2.270	2.440	2.503	2.310	2.127	2.149	0- 10	0.1805	0.1805	0.01,0.01
20	109.2	37.01	110.6	28.86	89.00	17.88	88.79	25.37	10- 20	6.792	6.972	0.37,0.37
30	282.6	264.4	283.1	234.6	271.1	225.3	268.1	223.5	20- 30	77.17	84.14	4.51,4.51
40	382.0	425.7	388.8	394.5	371.2	406.1	374.4	393.4	30- 40	199.9	284.0	15.2,15.2
50	447.3	446.3	449.0	430.8	447.4	451.0	447.9	429.7	40- 50	318.4	602.4	32.3,32.3
60	386.1	412.5	388.3	402.2	390.8	421.0	391.0	396.7	50- 60	377.0	979.4	52.5,52.5
70	299.5	311.5	300.7	306.3	307.1	326.9	309.3	307.3	60- 70	352.2	1332	71.4,71.4
80	172.9	180.5	172.9	181.1	183.1	196.9	185.2	180.6	70- 80	260.6	1592	85.3,85.3
90	66.24	75.79	64.97	74.87	69.74	82.16	71.21	77.06	80- 90	131.0	1723	92.3,92.3
100	32.55	43.56	33.93	43.08	33.67	46.73	34.57	43.36	90-100	59.92	1783	95.5,95.5
110	19.34	26.98	19.74	26.67	19.55	28.38	20.24	26.52	100-110	34.02	1817	97.4,97.4
120	13.25	18.64	13.38	18.36	13.13	19.35	13.88	18.25	110-120	20.49	1838	98.5,98.5
130	9.765	13.68	9.793	13.52	9.381	14.18	10.21	13.44	120-130	12.88	1851	99.2,99.2
140	7.122	9.582	7.096	9.610	6.658	9.970	7.283	9.467	130-140	7.903	1858	99.6,99.6
150	5.462	6.020	5.524	6.159	5.414	6.309	5.522	5.982	140-150	4.464	1863	99.8,99.8
160	3.735	4.254	3.828	4.390	3.816	4.591	3.910	4.309	150-160	2.287	1865	99.9,99.9
170	1.987	1.988	1.828	2.016	2.077	2.293	2.264	2.222	160-170	0.9411	1866	100,100
180	0.3196	0.3519	0.3165	0.5506	0.3196	0.3404	0.3335	0.5451	170-180	0.1403	1866	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:2022-05-04

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:

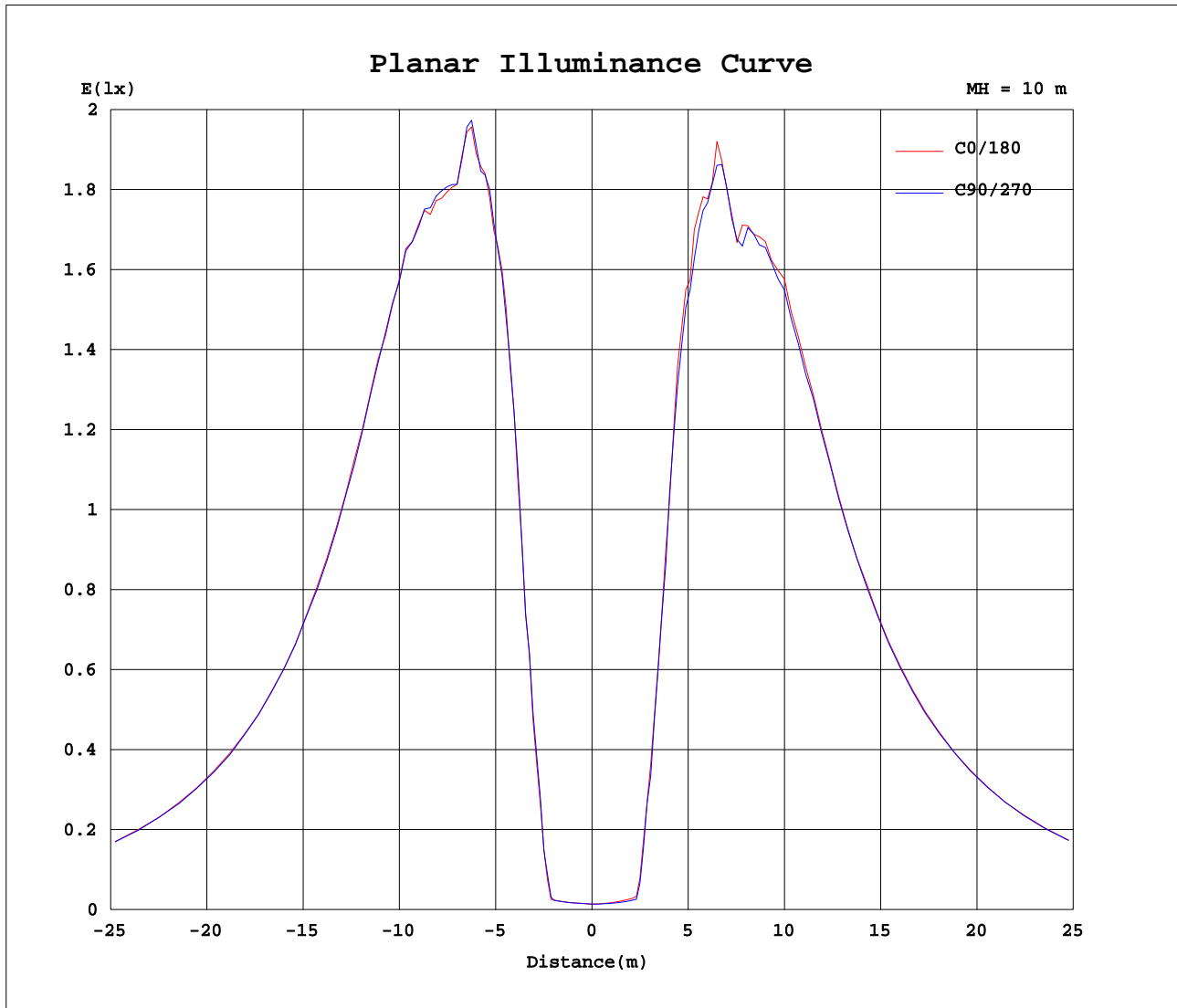
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JINZHI
 Test Date: 2022-05-04

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



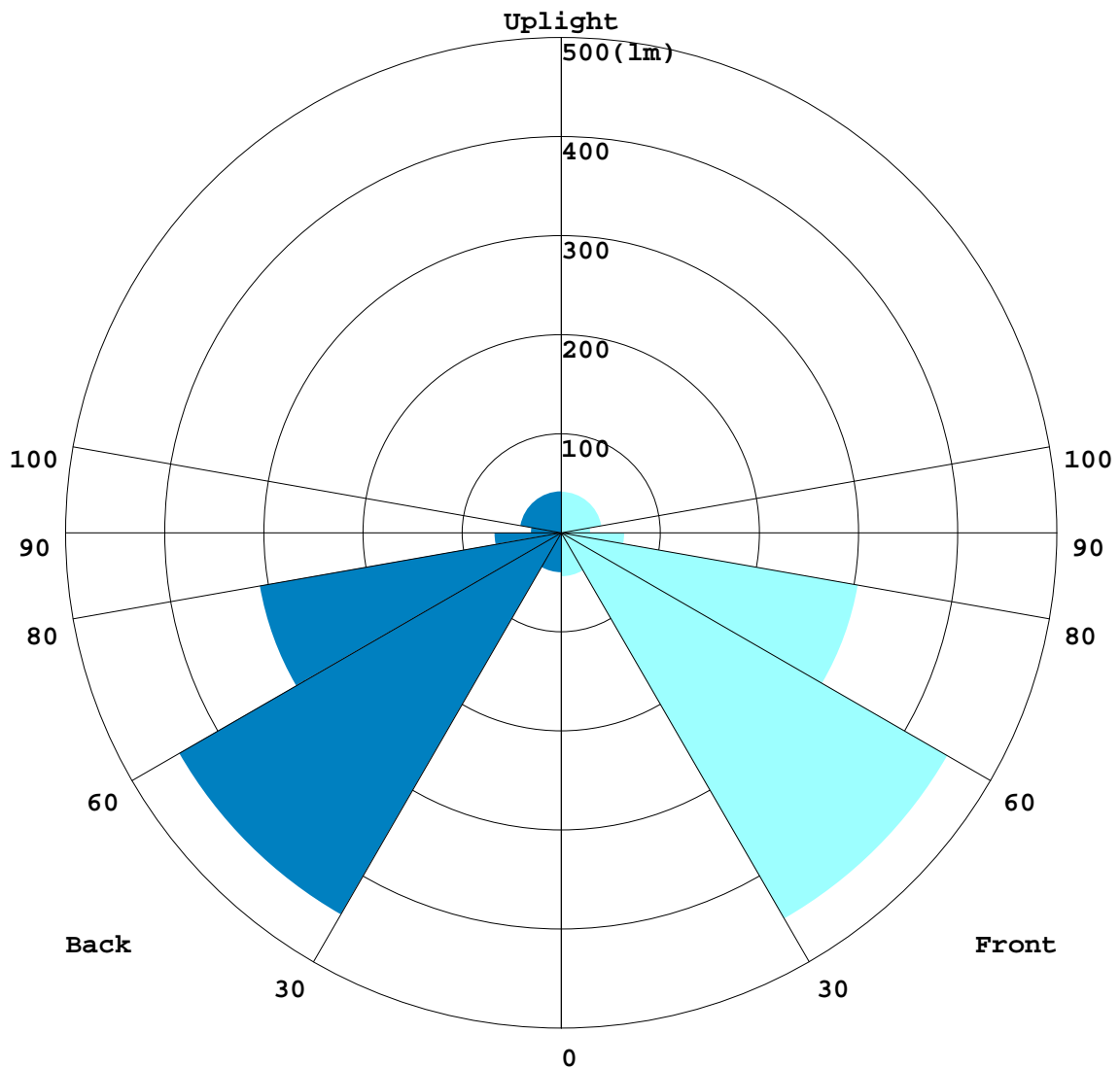
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JINZHI
 Test Date: 2022-05-04

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:

LCS REPORT

Test:U:119.86V I:0.1370A P:16.251W PF:0.9900 Freq:59.98Hz Lamp Flux:2028.77x1 lm		
NAME: PLTS-12361 16W 4K	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:2022-05-04

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:

BUG REPORT

Test:U:119.86V I:0.1370A P:16.251W PF:0.9900 Freq:59.98Hz Lamp Flux:2028.77x1 lm		
NAME: PLTS-12361 16W 4K	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)	44.037	2.4
FM - Front-Medium(30-60)	450.15	24.1
FH - Front-High(60-80)	304.01	16.3
FVH - Front-Very High(80-90)	63.768	3.4
Total Forward Light	932.69	50.0

BL - Back-Low(0-30)	40.103	2.1
BM - Back-Medium(30-60)	445.11	23.9
BH - Back-High(60-80)	308.81	16.5
BVH - Back-Very High(80-90)	67.215	3.6
Total Back Light	933.56	50.0

UL - Uplight-Low(90-100)	59.919	3.2
UH - Uplight-High(100-180)	83.129	4.5
Total Up Light	143.05	7.7

BUG(Back,Up,Glare) Rating	B1-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	861.23	72.325	933.56
Street Side	861.96	70.723	932.69

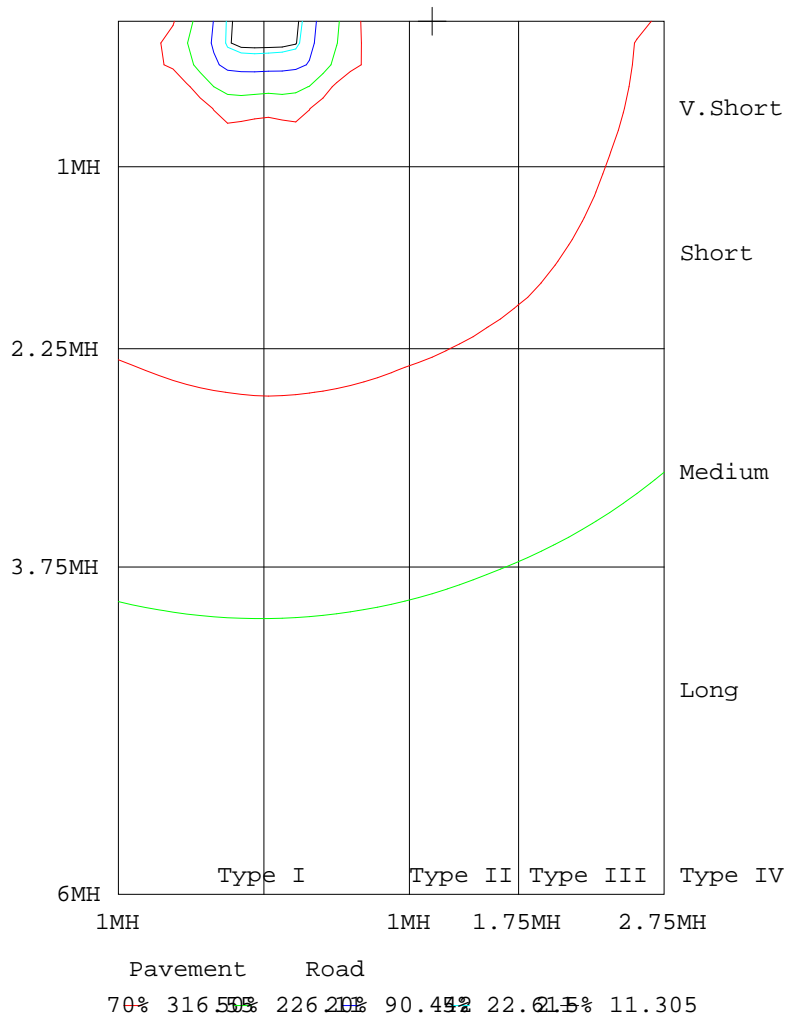
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JINZHI
 Test Date:2022-05-04

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:119.86V I:0.1370A P:16.251W PF:0.9900 Freq:59.98Hz Lamp Flux:2028.77x1 lm		
NAME: PLTS-12361 16W 4K	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:2022-05-04

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	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40			
5	1.69	1.77	1.78	1.77	1.69	1.67	1.72	1.73	1.68	1.64	1.65	1.58	1.57	1.63	1.65	1.65			
10	2.29	2.39	2.41	2.37	2.27	2.28	2.44	2.53	2.50	2.49	2.31	2.30	2.13	2.23	2.15	2.23			
15	28.7	16.5	3.45	16.3	30.9	16.2	3.70	7.17	18.9	10.0	3.59	6.27	17.0	8.29	3.21	14.3			
20	109	82.8	37.0	82.7	111	80.1	28.9	61.1	89.0	68.0	17.9	66.1	88.8	67.7	25.4	77.2			
25	212	179	135	180	212	181	116	150	193	164	106	157	189	160	111	170			
30	283	253	264	256	283	259	235	229	271	240	225	237	268	235	224	243			
35	326	318	360	330	329	314	333	301	324	308	342	308	327	309	327	308			
40	382	352	426	364	389	351	395	330	371	334	406	345	374	335	393	340			
45	440	396	452	402	443	392	431	379	441	388	458	394	436	380	434	385			
50	447	432	446	432	449	416	431	408	447	418	451	427	448	419	430	414			
55	422	419	439	431	422	418	422	409	425	422	440	433	425	415	422	415			
60	386	393	413	404	388	392	402	392	391	393	421	411	391	392	397	385			
65	350	352	368	364	350	348	360	351	353	357	380	368	356	354	357	345			
70	300	303	311	311	301	302	306	303	307	307	327	319	309	304	307	297			
75	240	242	249	250	240	244	247	245	249	250	265	261	251	248	248	240			
80	173	176	180	180	173	177	181	181	183	186	197	192	185	182	181	176			
85	110	112	113	115	109	113	113	117	117	120	127	126	119	117	116	112			
90	66.2	71.9	75.8	74.0	65.0	71.5	74.9	74.3	69.7	76.6	82.2	79.8	71.2	75.1	77.1	72.5			
95	46.5	54.4	56.0	56.5	47.4	54.6	55.0	56.2	49.1	56.6	59.8	59.8	50.0	55.6	55.6	54.5			
100	32.5	42.0	43.6	44.3	33.9	42.3	43.1	44.5	33.7	43.6	46.7	46.8	34.6	42.7	43.4	42.4			
105	24.4	32.5	33.8	34.4	25.2	32.8	33.4	34.5	24.9	33.5	35.9	36.1	25.6	32.8	33.4	32.6			
110	19.3	25.8	27.0	27.3	19.7	26.0	26.7	27.3	19.5	26.5	28.4	28.5	20.2	25.9	26.5	25.8			
115	15.8	21.1	22.2	22.2	16.0	21.2	21.9	22.1	15.9	21.5	23.1	23.1	16.6	21.2	21.7	21.0			
120	13.2	17.4	18.6	18.4	13.4	17.4	18.4	18.2	13.1	17.6	19.3	19.2	13.9	17.5	18.3	17.5			
125	11.4	14.4	15.9	15.2	11.4	14.4	15.7	15.0	11.1	14.5	16.5	15.8	11.9	14.4	15.6	14.5			
130	9.76	12.0	13.7	12.7	9.79	12.0	13.5	12.4	9.38	11.9	14.2	13.1	10.2	11.9	13.4	12.1			
135	8.32	10.1	11.7	10.6	8.34	10.2	11.6	10.3	7.87	9.95	12.1	11.0	8.62	10.0	11.5	10.2			
140	7.12	8.29	9.58	8.68	7.10	8.42	9.61	8.40	6.66	8.22	9.97	9.01	7.28	8.22	9.47	8.36			
145	6.16	7.03	7.63	7.31	6.13	7.15	7.66	7.06	5.92	7.03	7.86	7.54	6.26	6.96	7.64	7.00			
150	5.46	5.80	6.02	6.12	5.52	6.00	6.16	5.94	5.41	6.06	6.31	6.24	5.52	5.86	5.98	5.80			
155	4.49	4.65	4.94	4.88	4.51	4.89	5.13	4.83	4.46	4.96	5.23	5.02	4.59	4.80	4.95	4.68			
160	3.74	3.90	4.25	4.12	3.83	4.12	4.39	3.98	3.82	4.21	4.59	4.33	3.91	4.09	4.31	3.98			
165	2.84	3.18	3.37	3.26	2.90	3.12	3.26	3.24	3.06	3.45	3.67	3.56	3.10	3.35	3.51	3.24			
170	1.99	2.15	1.99	2.05	1.83	2.08	2.02	2.11	2.08	2.25	2.29	2.52	2.26	2.39	2.22	2.26			
175	0.93	0.91	1.03	0.99	0.90	1.13	1.09	1.06	1.00	1.19	1.23	1.43	1.26	1.31	1.32	1.36			
180	0.32	0.32	0.35	0.34	0.32	0.54	0.55	0.51	0.32	0.33	0.34	0.34	0.33	0.51	0.55	0.51			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JINZHI
 Test Date: 2022-05-04

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: