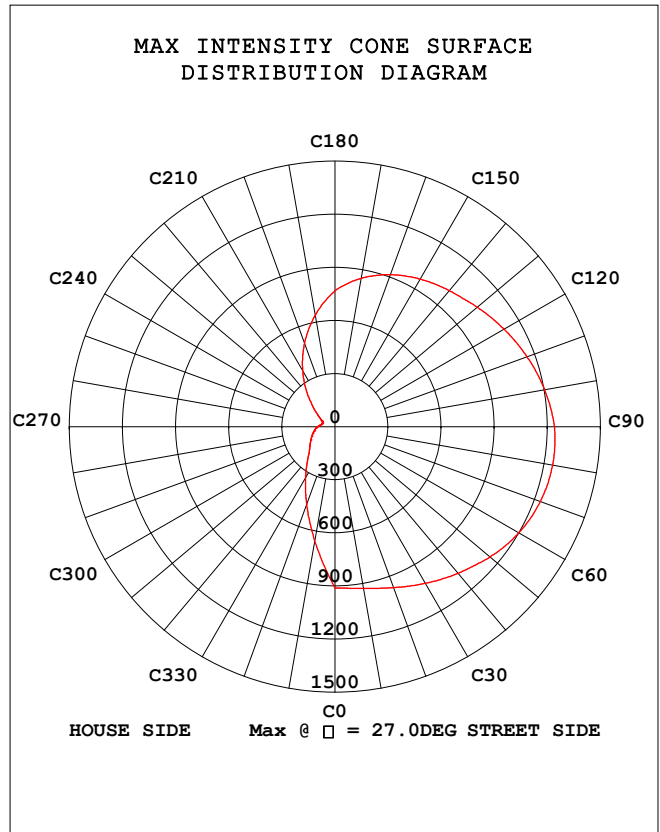
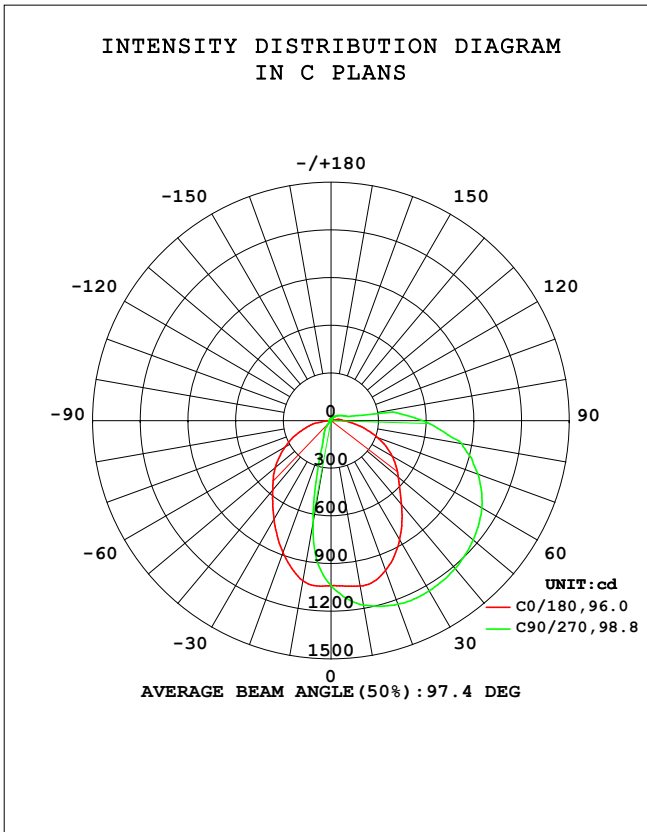


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.9V I:0.2350A P:28.23W PF:0.9937 Freq:59.98Hz Lamp Flux:3222.97x1 lm		
NAME: ASD-SWP-28BR-PC-28W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.19 lm/W			
MODEL		I _{max} (cd)	1240	<input type="checkbox"/> street_up (%)	9.1
NOMINAL POWER (W)	28	LOR (%)	100.0	<input type="checkbox"/> street_down (%)	74.7
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	3223	<input type="checkbox"/> house_up (%)	1.0
NOMINAL FLUX (lm)	3222.97	MAXIMUM @ (C, <input type="checkbox"/>)	90,27.0	<input type="checkbox"/> house_down (%)	15.2
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	10.1	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	<input type="checkbox"/> down (%)	89.9	SLI	20.232

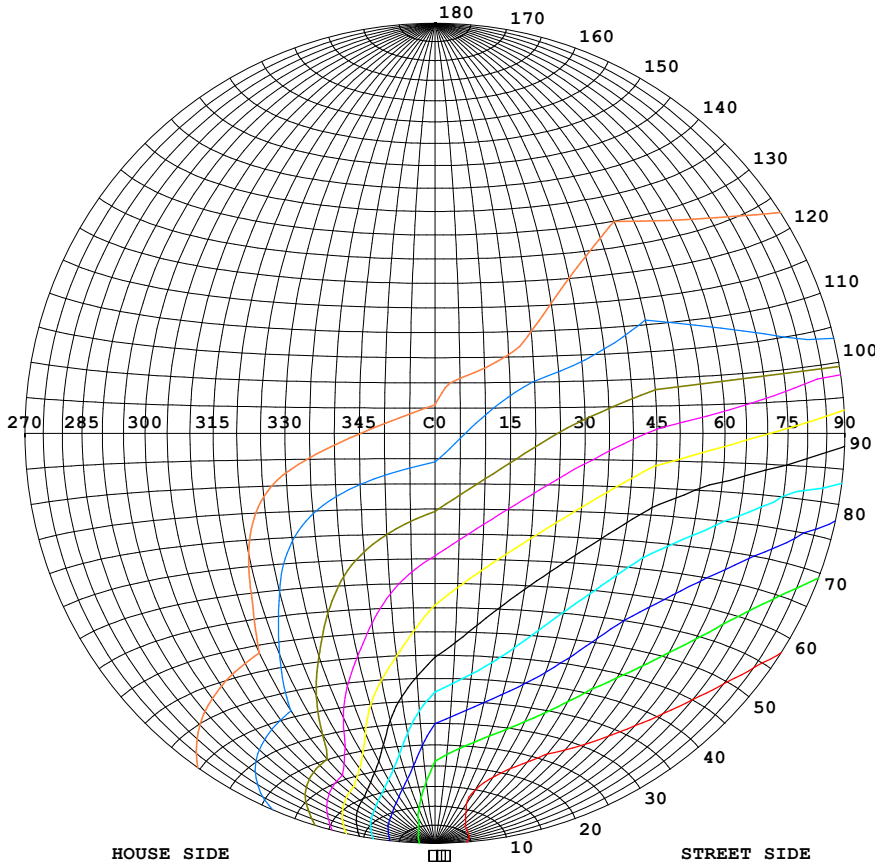


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-07-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity: 56%
 Test Distance: 6.500m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.9V I:0.2350A P:28.23W PF:0.9937 Freq:59.98Hz Lamp Flux:3222.97x1 lm		
NAME: ASD-SWP-28BR-PC-28W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:



Classification:

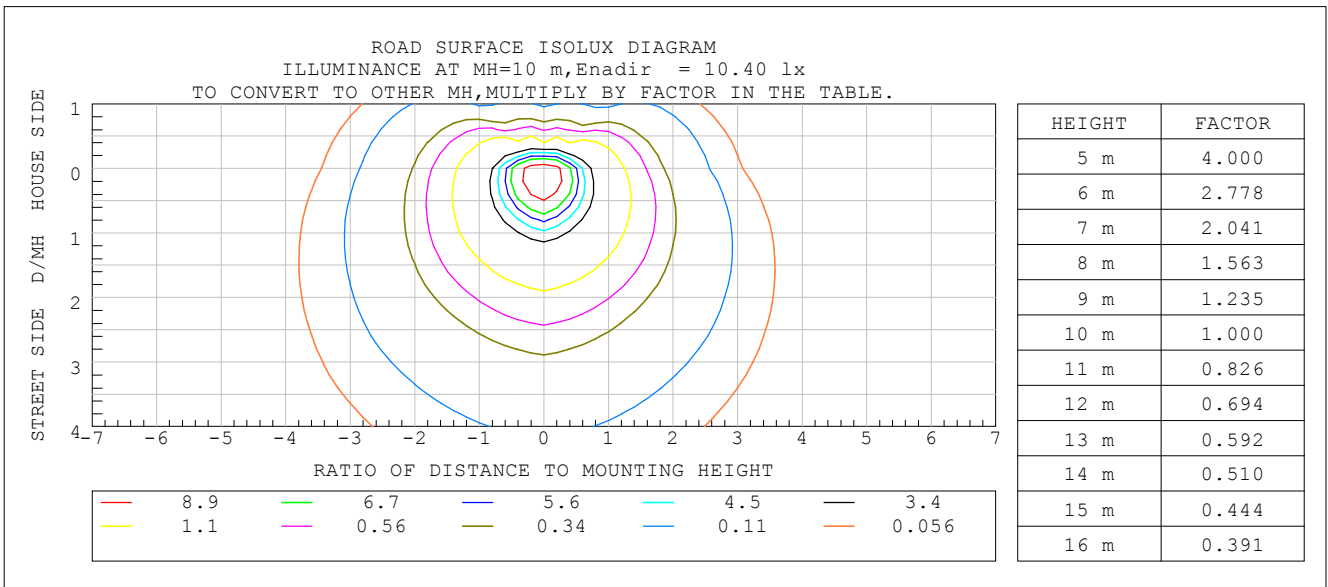
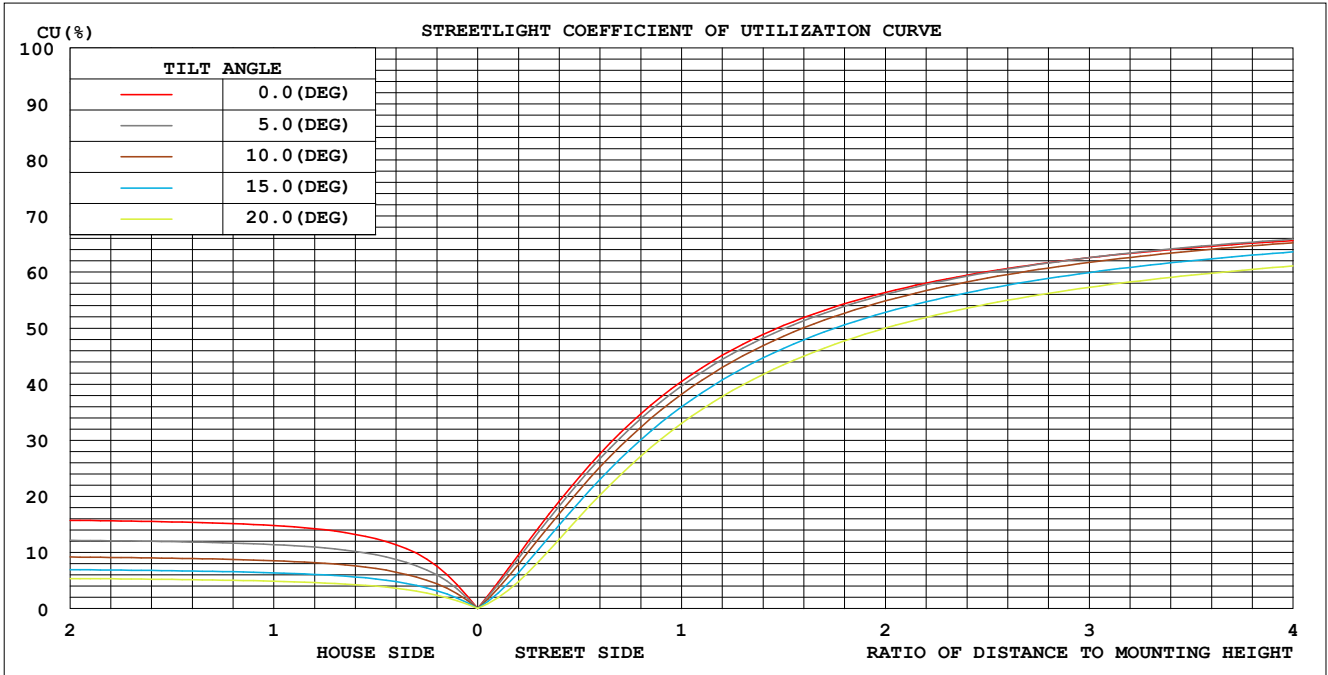
IES:Type IV - Very Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:259.7cd/klm
 Max.At90:179.6cd/klm
 Max.80-90:259.7cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	1240
90%	1116
80%	992
70%	868
60%	744
50%	620
40%	496
30%	372
20%	248
10%	124
5%	62

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-07-16

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-07-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity: 56%
 Test Distance: 6.500m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.9V I:0.2350A P:28.23W PF:0.9937 Freq:59.98Hz Lamp Flux:3222.97x1 lm		
NAME: ASD-SWP-28BR-PC-28W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:

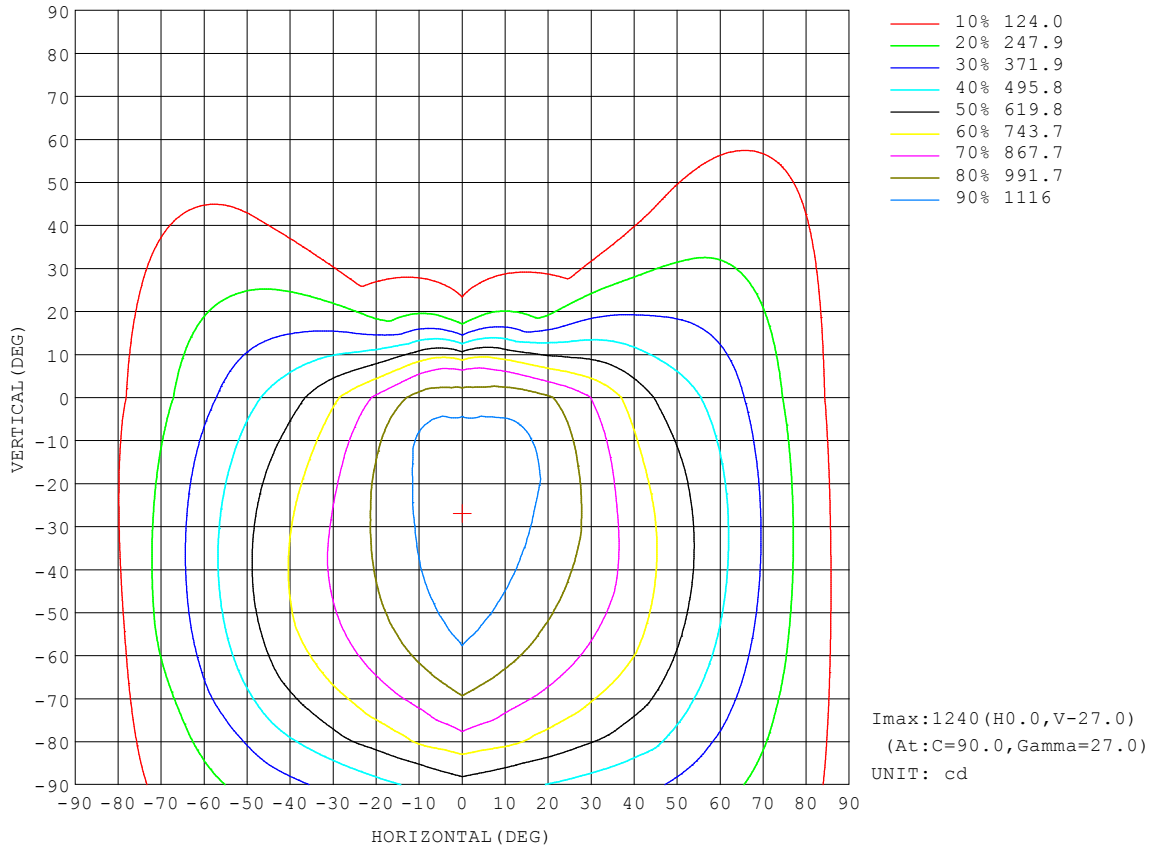
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	⊗lum,lamp
10	1057	1152	1178	1137	1023	831.8	658.5	839.7	0- 10	97.10	97.10	3.01,3.01
20	1004	1159	1230	1086	884.4	382.8	161.9	409.1	10- 20	248.6	345.7	10.7,10.7
30	864.9	1086	1237	998.2	719.7	156.4	88.43	170.9	20- 30	331.8	677.5	21,21
40	690.8	1002	1216	919.4	572.5	91.68	40.30	102.8	30- 40	389.2	1067	33.1,33.1
50	553.8	915.1	1169	848.3	458.8	49.61	11.52	56.16	40- 50	419.2	1486	46.1,46.1
60	443.8	820.5	1097	765.9	336.5	27.87	11.53	30.73	50- 60	425.5	1911	59.3,59.3
70	310.4	708.7	984.0	649.7	211.9	21.62	10.62	25.08	60- 70	401.2	2313	71.8,71.8
80	174.4	565.7	837.0	492.2	101.3	17.73	9.315	21.23	70- 80	339.8	2652	82.3,82.3
90	83.18	387.0	578.8	317.2	9.685	15.35	9.858	18.14	80- 90	243.3	2896	89.9,89.9
100	50.51	218.4	206.6	184.5	2.597	13.96	11.54	16.22	90-100	149.7	3046	94.5,94.5
110	8.323	128.4	90.56	120.0	3.586	12.80	9.456	14.37	100-110	66.08	3112	96.5,96.5
120	9.713	88.23	66.94	86.05	10.33	12.26	10.27	13.50	110-120	42.07	3154	97.9,97.9
130	10.26	61.83	48.69	61.05	11.08	11.51	10.72	12.65	120-130	29.43	3183	98.8,98.8
140	10.20	42.02	33.46	41.23	10.62	10.52	10.58	11.54	130-140	19.25	3202	99.4,99.4
150	9.640	26.86	21.55	24.96	9.824	9.523	9.707	10.16	140-150	11.49	3214	99.7,99.7
160	8.848	13.02	12.34	11.46	8.660	8.754	9.323	9.304	150-160	5.911	3220	99.9,99.9
170	7.909	7.121	6.073	6.479	7.703	8.122	8.527	8.353	160-170	2.487	3222	100,100
180	7.522	7.437	7.407	7.457	7.519	7.440	7.402	7.457	170-180	0.7101	3223	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-07-16

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

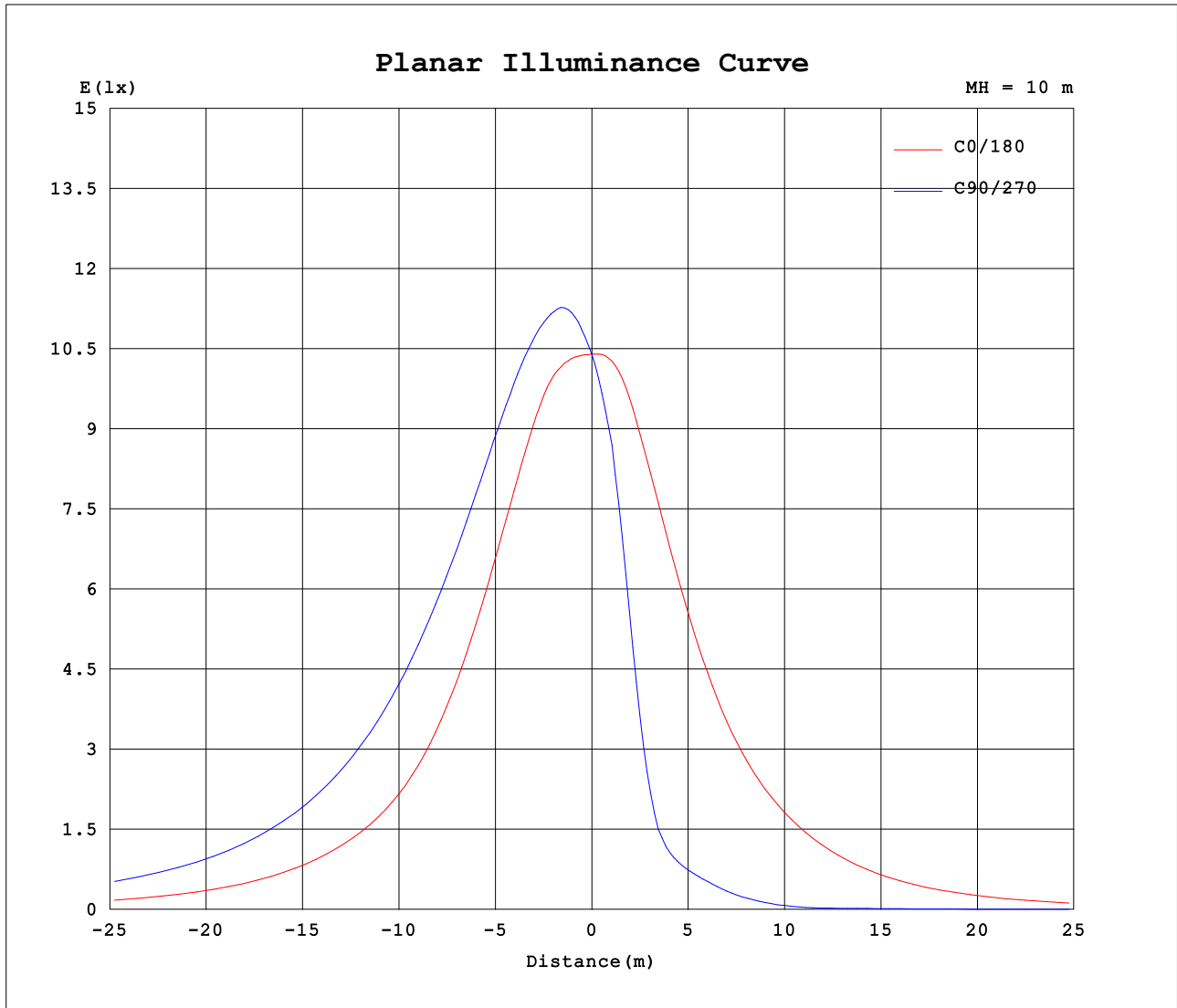
Test:U:120.9V I:0.2350A P:28.23W PF:0.9937 Freq:59.98Hz Lamp Flux:3222.97x1 lm		
NAME: ASD-SWP-28BR-PC-28W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-07-16

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks:

Planar Illuminance Curve



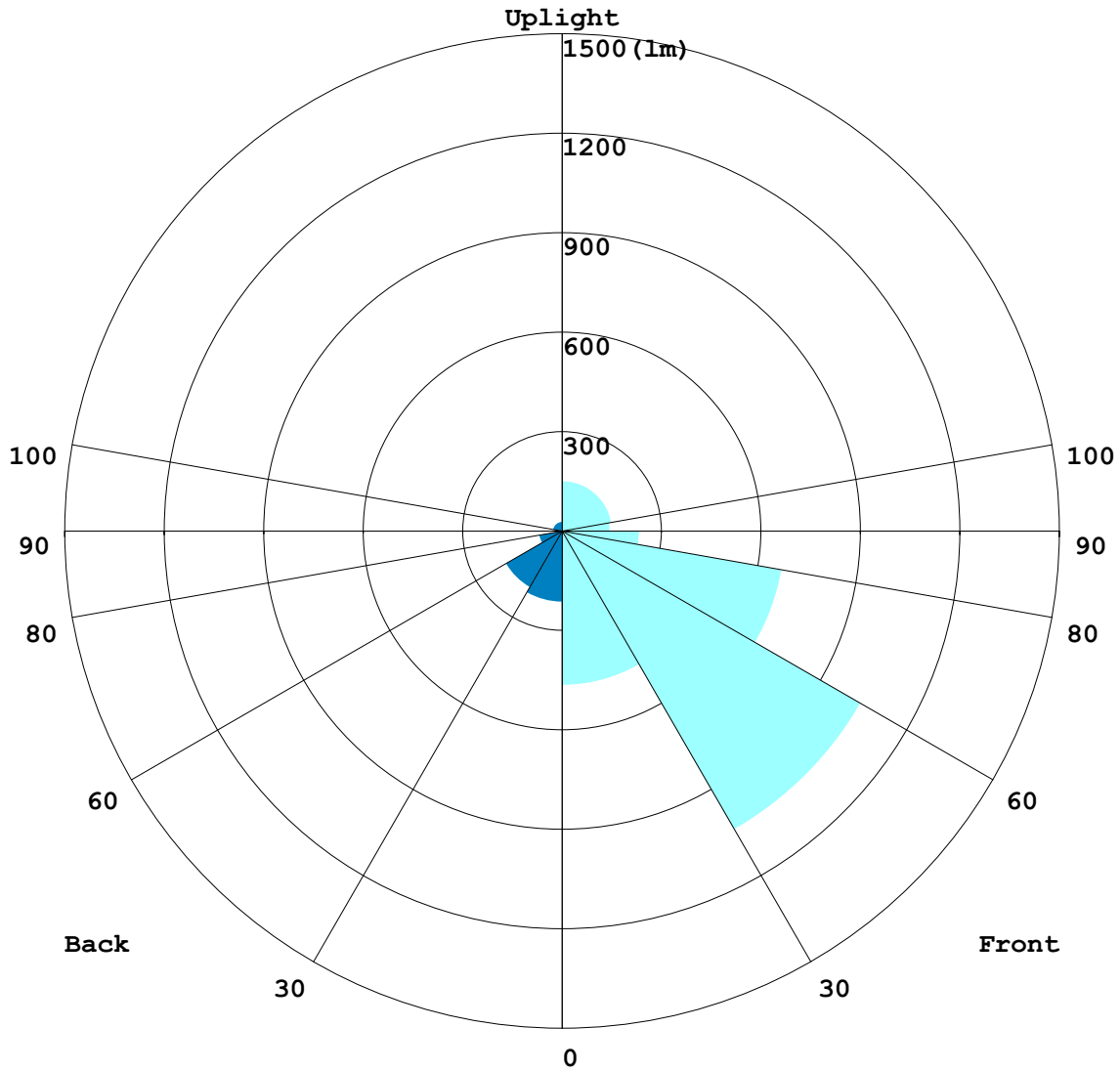
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-07-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity: 56%
 Test Distance: 6.500m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:120.9V I:0.2350A P:28.23W PF:0.9937 Freq:59.98Hz Lamp Flux:3222.97x1 lm		
NAME: ASD-SWP-28BR-PC-28W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-07-16

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:120.9V I:0.2350A P:28.23W PF:0.9937 Freq:59.98Hz Lamp Flux:3222.97x1 lm		
NAME: ASD-SWP-28BR-PC-28W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	464.14	14.4
FM - Front-Medium(30-60)	1038.5	32.2
FH - Front-High(60-80)	671.68	20.8
FVH - Front-Very High(80-90)	232.03	7.2
Total Forward Light	2699.6	83.8

BL - Back-Low(0-30)	213.39	6.6
BM - Back-Medium(30-60)	195.47	6.1
BH - Back-High(60-80)	69.349	2.2
BVH - Back-Very High(80-90)	11.321	0.4
Total Back Light	523.38	16.2

UL - Uplight-Low(90-100)	149.69	4.6
UH - Uplight-High(100-180)	177.44	5.5
Total Up Light	327.13	10.1

BUG(Back,Up,Glare) Rating	B1-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	489.54	33.84	523.38
Street Side	2406.3	293.29	2699.6

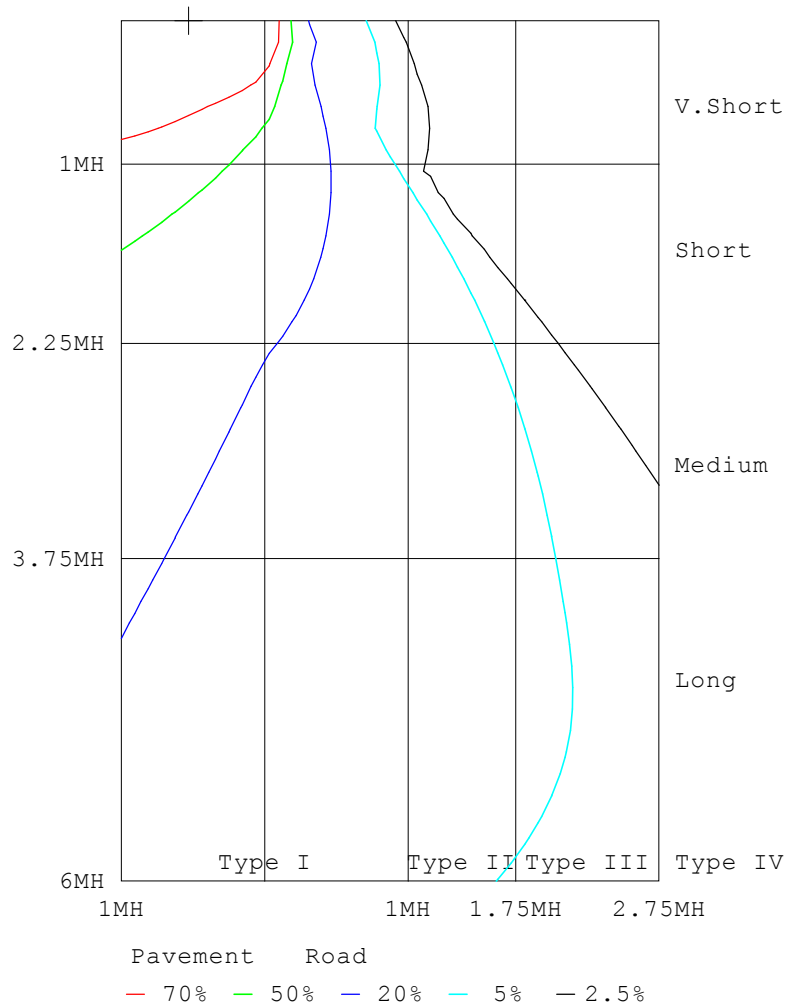
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-07-16

Range: 0 - 180DEG
 Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity:56%
Test Distance:6.500m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.9V I:0.2350A P:28.23W PF:0.9937 Freq:59.98Hz Lamp Flux:3222.97x1 lm		
NAME: ASD-SWP-28BR-PC-28W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-07-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.9V I:0.2350A P:28.23W PF:0.9937 Freq:59.98Hz Lamp Flux:3222.97x1 lm		
NAME: ASD-SWP-28BR-PC-28W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315											
0	1040	1040	1040	1040	1040	1040	1040	1040											
5	1046	1103	1123	1104	1044	960	914	960											
10	1057	1152	1178	1137	1023	832	658	840											
15	1047	1170	1210	1124	961	614	342	633											
20	1004	1159	1230	1086	884	383	162	409											
25	943	1126	1239	1041	802	229	112	249											
30	865	1086	1237	998	720	156	88.4	171											
35	779	1046	1229	956	641	119	63.6	132											
40	691	1002	1216	919	573	91.7	40.3	103											
45	614	959	1195	884	515	68.5	21.8	77.4											
50	554	915	1169	848	459	49.6	11.5	56.2											
55	501	869	1137	810	398	35.4	11.7	40.0											
60	444	820	1097	766	337	27.9	11.5	30.7											
65	380	768	1045	712	275	24.3	11.2	27.5											
70	310	709	984	650	212	21.6	10.6	25.1											
75	241	641	917	576	155	19.5	9.88	23.1											
80	174	566	837	492	101	17.7	9.31	21.2											
85	117	478	691	403	28.9	16.3	9.17	19.5											
90	83.2	387	579	317	9.69	15.4	9.86	18.1											
95	63.7	295	456	243	2.49	14.7	11.2	17.2											
100	50.5	218	207	185	2.60	14.0	11.5	16.2											
105	14.7	164	107	145	3.00	13.2	10.8	15.2											
110	8.32	128	90.6	120	3.59	12.8	9.46	14.4											
115	9.00	106	78.0	101	6.65	12.5	9.85	13.9											
120	9.71	88.2	66.9	86.1	10.3	12.3	10.3	13.5											
125	10.1	74.1	57.5	72.8	11.2	12.0	10.6	13.1											
130	10.3	61.8	48.7	61.1	11.1	11.5	10.7	12.7											
135	10.3	51.3	40.7	50.6	10.9	11.0	10.7	12.1											
140	10.2	42.0	33.5	41.2	10.6	10.5	10.6	11.5											
145	9.97	34.1	27.0	32.7	10.3	10.00	9.73	11.0											
150	9.64	26.9	21.6	25.0	9.82	9.52	9.71	10.2											
155	9.26	19.4	16.8	17.2	9.28	9.08	9.58	9.69											
160	8.85	13.0	12.3	11.5	8.66	8.75	9.32	9.30											
165	8.37	9.09	8.21	8.06	8.01	8.43	8.98	8.86											
170	7.91	7.12	6.07	6.48	7.70	8.12	8.53	8.35											
175	7.55	6.95	6.67	6.89	7.52	7.79	8.00	7.91											
180	7.52	7.44	7.41	7.46	7.52	7.44	7.40	7.46											

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-07-16

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:6.500m [K=1.0000]
 Remarks: