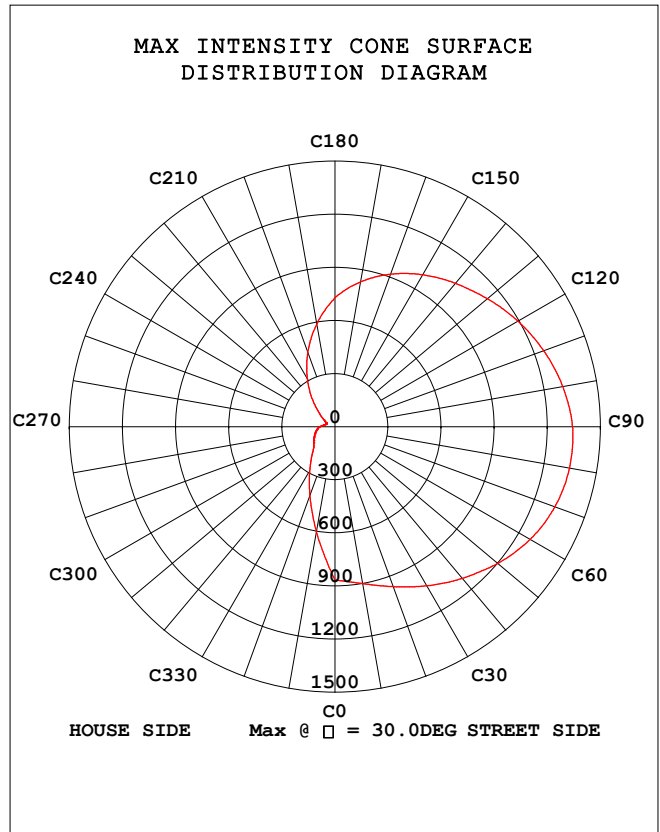
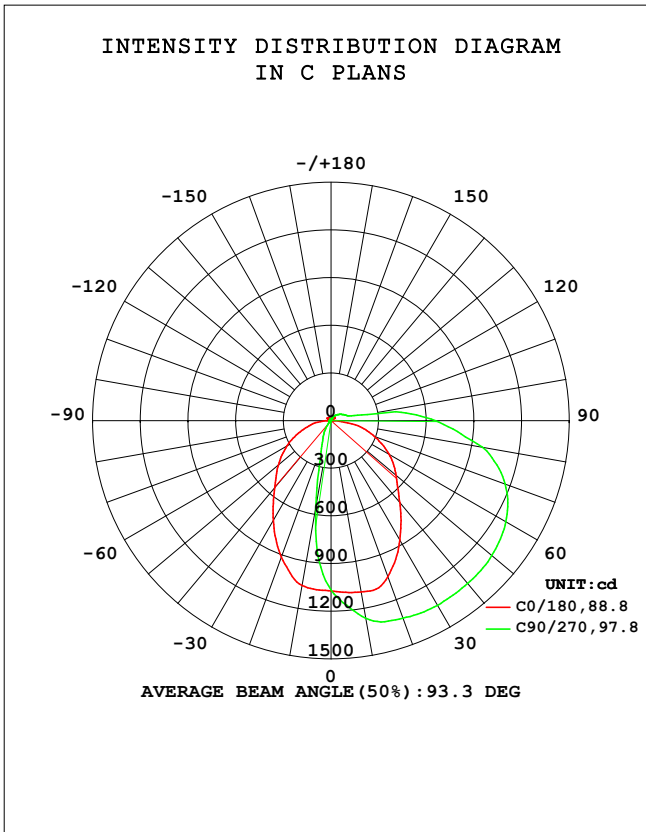


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:121.8V I:0.2115A P:25.53W PF:0.9909 Freq:59.98Hz Lamp Flux:3453.57x1 lm		
NAME: ASD-SWP-MV-A28BR-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: 135.25 lm/W			
MODEL		Imax(cd)	1342	<input type="checkbox"/> street_up(%)	9.5
NOMINAL POWER(W)	28	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	75.6
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3454	<input type="checkbox"/> house_up(%)	1.2
NOMINAL FLUX(lm)	3453.57	MAXIMUM @ (C, <input type="checkbox"/>)	90,30.0	<input type="checkbox"/> house_down(%)	13.7
LAMPS INSIDE	1	<input type="checkbox"/> up(%)	10.7	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	<input type="checkbox"/> down(%)	89.3	SLI	20.460

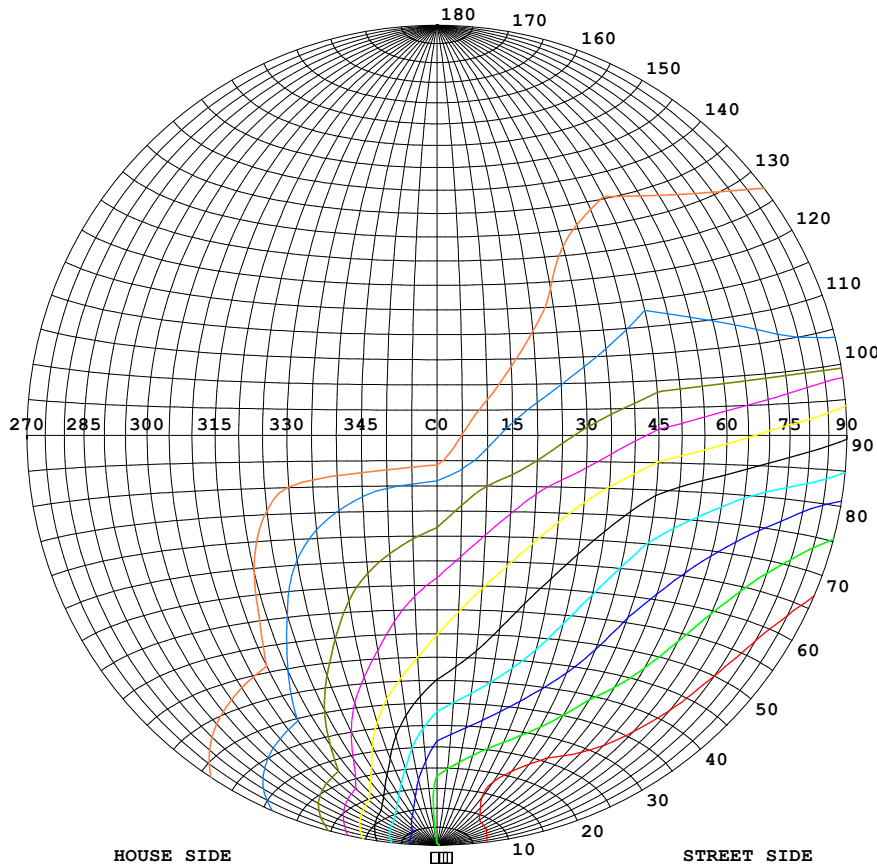


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-01-10

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:121.8V I:0.2115A P:25.53W PF:0.9909 Freq:59.98Hz Lamp Flux:3453.57x1 lm		
NAME: ASD-SWP-MV-A28BR-PC-28W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:



Classification:

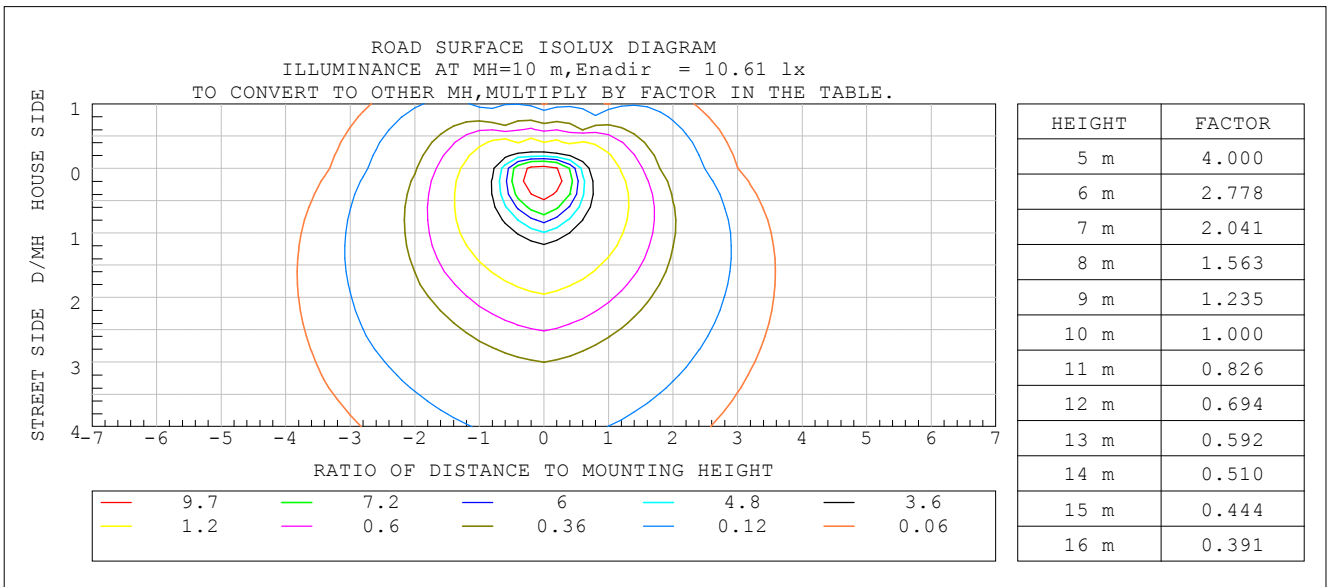
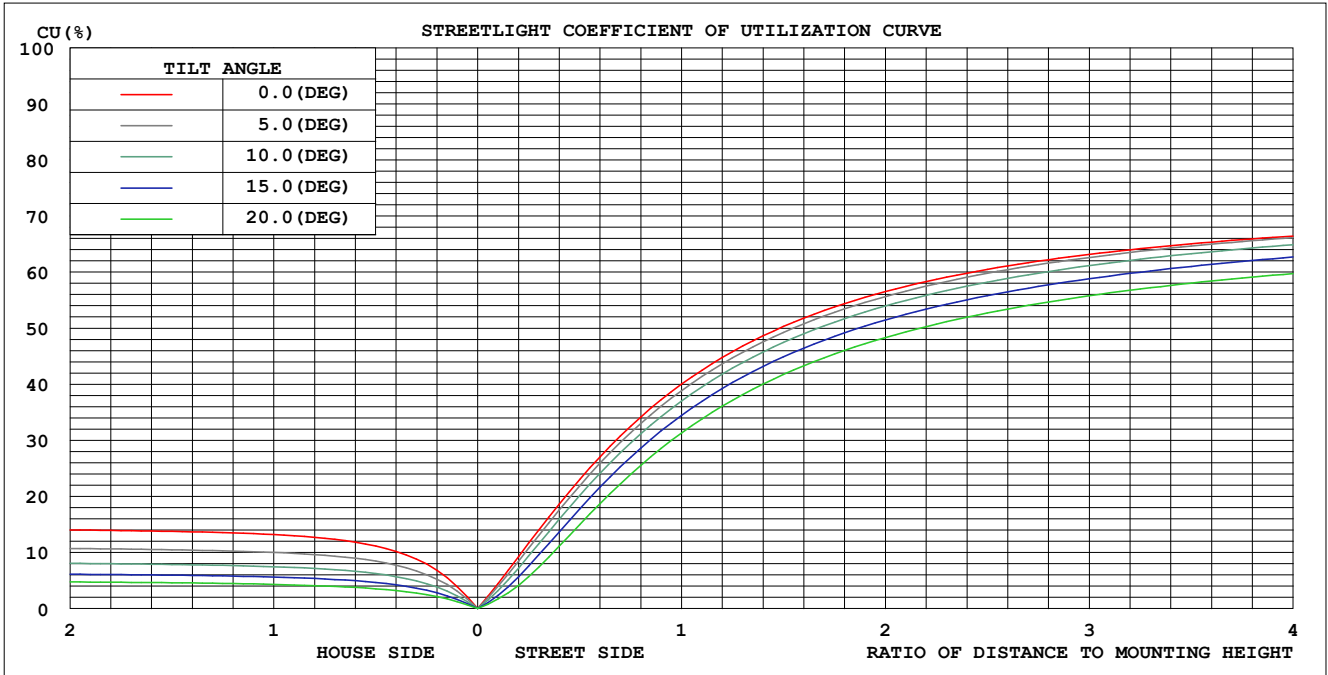
IES:Type IV - Very Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:280.1cd/klm
 Max.At90:190.3cd/klm
 Max.80-90:280.1cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	1342
90%	1208
80%	1074
70%	939
60%	805
50%	671
40%	537
30%	403
20%	268
10%	134
5%	67

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-01-10

□ 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: 2024-01-10

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:121.8V I:0.2115A P:25.53W PF:0.9909 Freq:59.98Hz Lamp Flux:3453.57x1 lm		
NAME: ASD-SWP-MV-A28BR-PC-28W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:

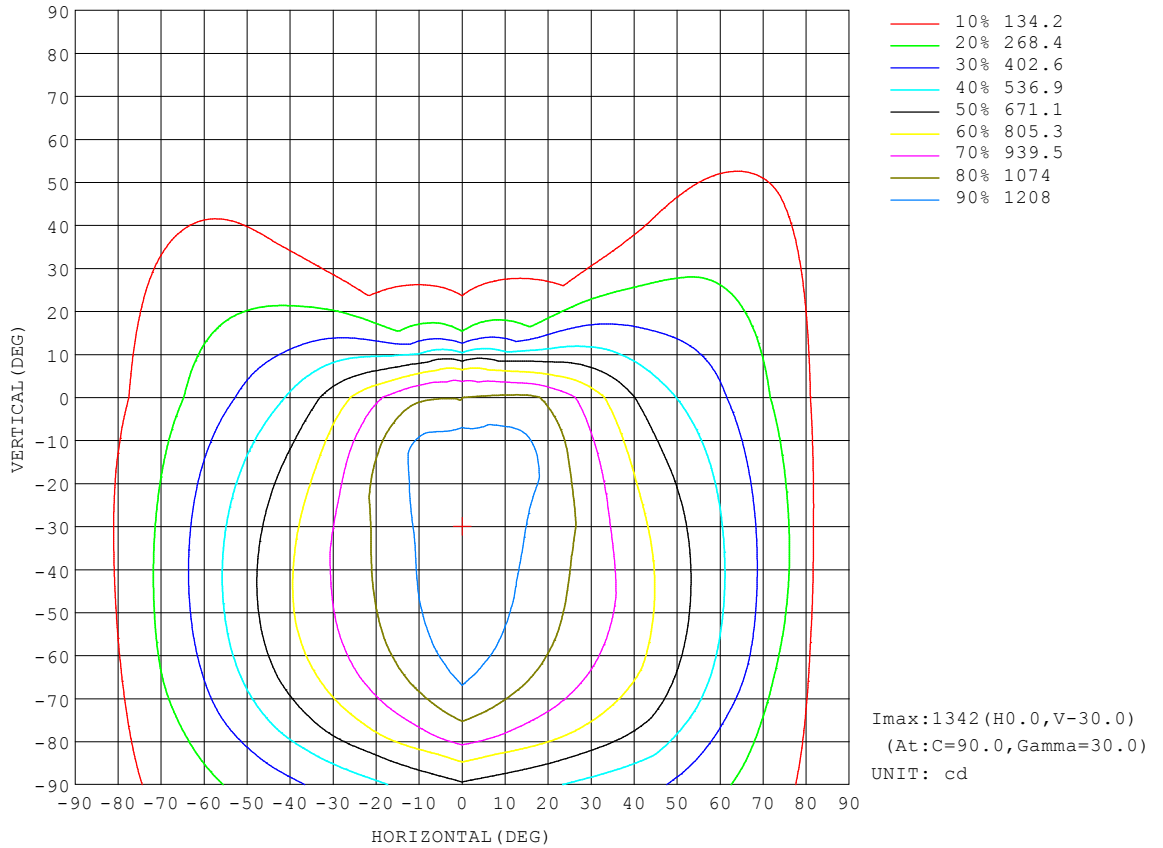
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	⊗lum,lamp
10	1095	1222	1263	1197	1053	744.9	560.2	757.7	0- 10	98.04	98.04	2.84,2.84
20	1046	1266	1323	1191	915.5	299.3	172.1	333.2	10- 20	252.7	350.7	10.2,10.2
30	866.1	1158	1342	1090	728.7	147.7	88.80	170.4	20- 30	348.2	698.9	20.2,20.2
40	673.8	1065	1338	989.9	553.9	80.39	32.67	98.76	30- 40	406.8	1106	32,32
50	534.2	981.1	1320	908.5	432.8	38.69	12.67	51.83	40- 50	438.7	1544	44.7,44.7
60	422.1	907.1	1272	823.9	321.8	24.87	11.93	32.10	50- 60	453.6	1998	57.9,57.9
70	290.5	808.5	1166	707.5	207.3	20.93	10.47	26.68	60- 70	438.8	2437	70.6,70.6
80	157.3	650.7	967.4	537.1	114.9	18.08	9.131	22.79	70- 80	380.1	2817	81.6,81.6
90	23.05	425.8	657.3	343.9	22.65	16.69	11.01	20.43	80- 90	266.8	3084	89.3,89.3
100	2.699	235.8	231.0	201.6	2.893	15.40	10.99	18.32	90-100	156.5	3240	93.8,93.8
110	2.971	148.9	101.9	137.4	4.608	14.49	10.09	16.74	100-110	71.20	3311	95.9,95.9
120	12.42	108.5	80.40	102.6	25.97	13.98	10.86	15.55	110-120	49.49	3361	97.3,97.3
130	27.06	80.35	61.69	76.29	26.13	13.20	11.17	14.35	120-130	38.50	3399	98.4,98.4
140	24.08	56.84	44.34	53.88	19.11	12.08	11.16	12.84	130-140	26.48	3426	99.2,99.2
150	19.08	37.49	29.50	33.82	13.13	10.31	10.65	10.24	140-150	15.71	3442	99.7,99.7
160	14.30	21.87	18.03	17.95	10.15	9.307	9.693	8.789	150-160	7.941	3449	99.9,99.9
170	9.798	11.51	9.905	9.656	8.531	8.427	8.779	8.187	160-170	3.290	3453	100,100
180	7.627	7.627	7.610	7.600	7.632	7.629	7.608	7.594	170-180	0.8089	3454	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:2024-01-10

□ 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

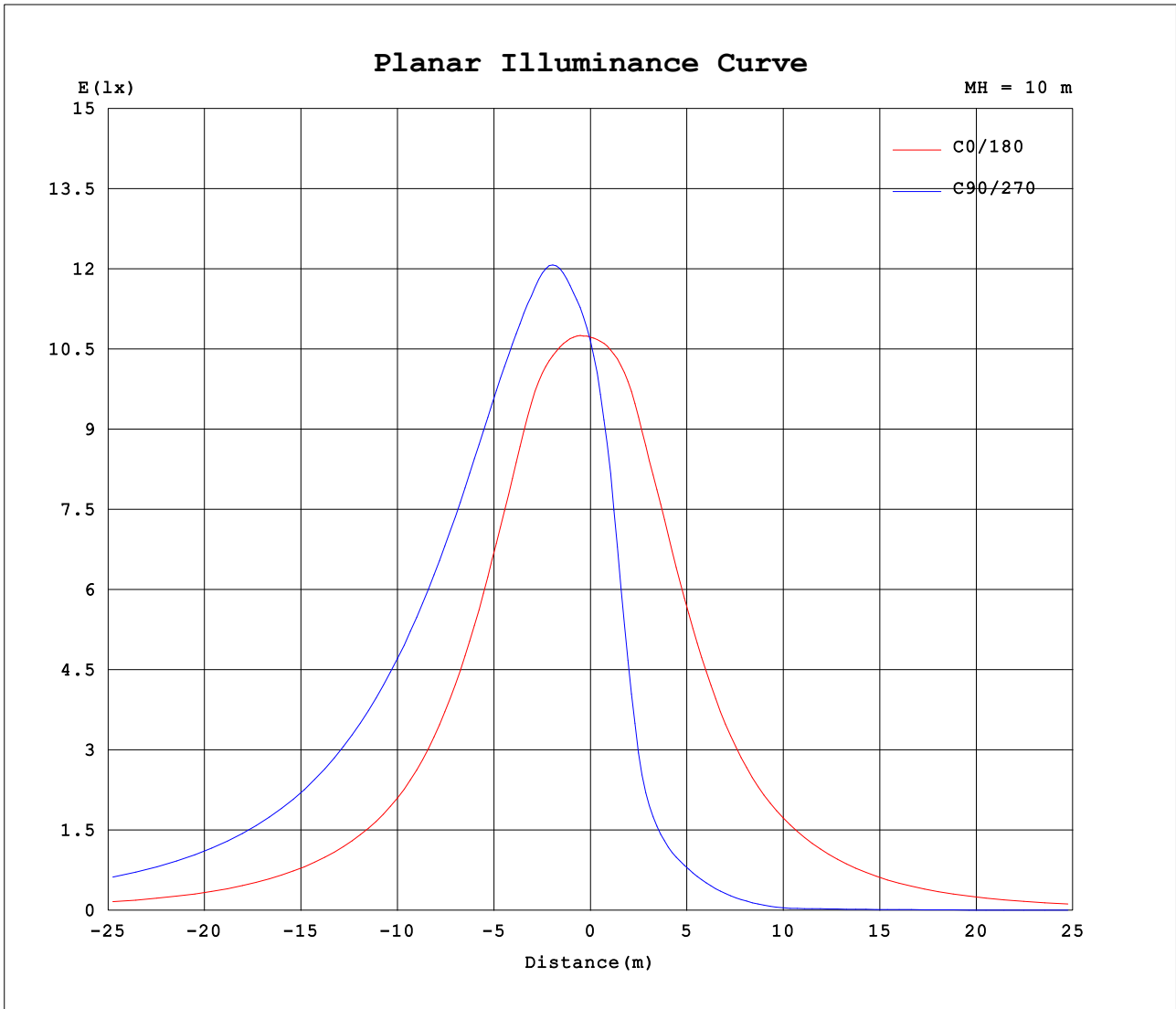
Test:U:121.8V I:0.2115A P:25.53W PF:0.9909 Freq:59.98Hz Lamp Flux:3453.57x1 lm		
NAME: ASD-SWP-MV-A28BR-PC-28W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-01-10

□ 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



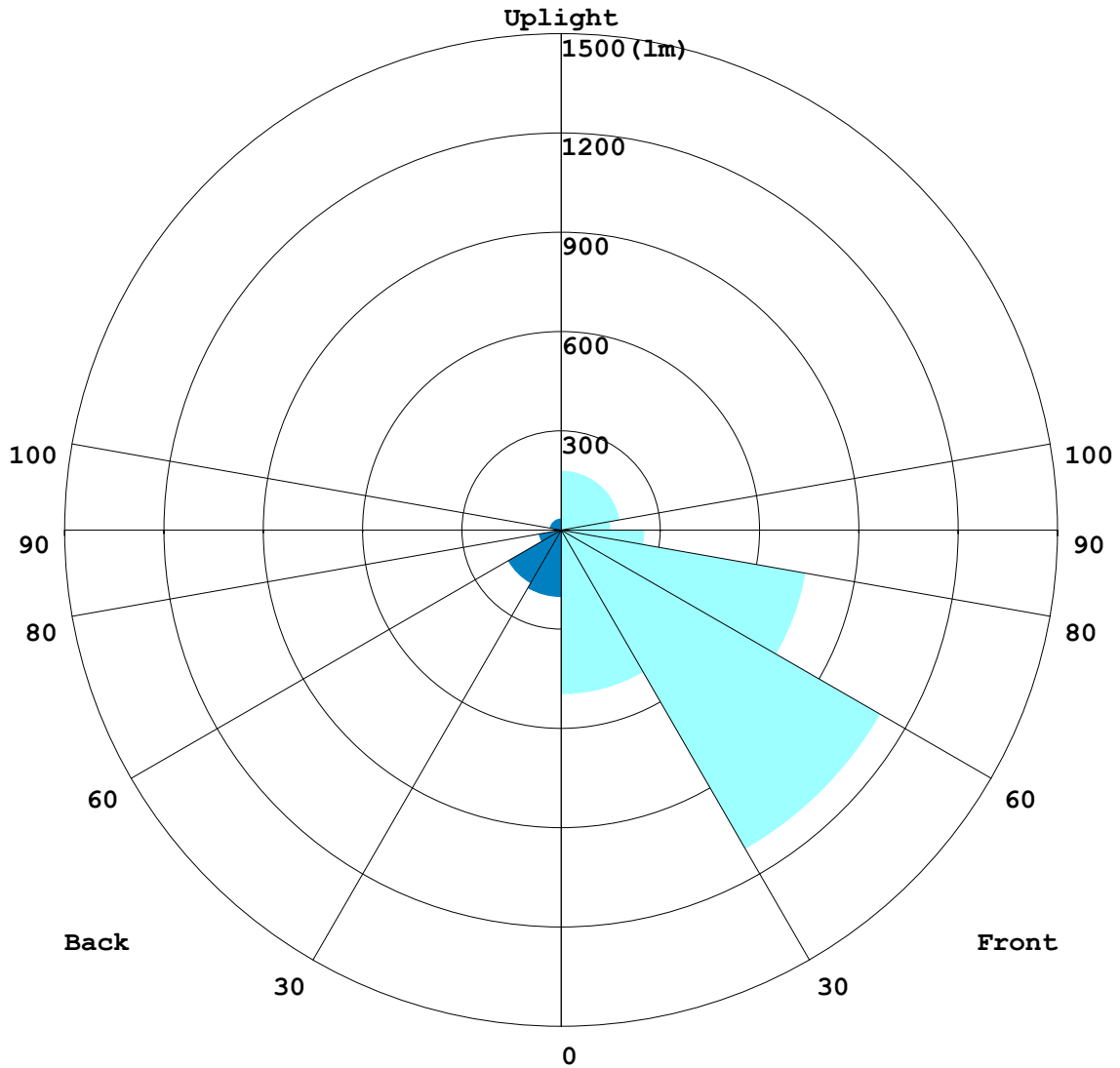
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-01-10

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:121.8V I:0.2115A P:25.53W PF:0.9909 Freq:59.98Hz Lamp Flux:3453.57x1 lm		
NAME: ASD-SWP-MV-A28BR-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:2024-01-10

□ 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:121.8V I:0.2115A P:25.53W PF:0.9909 Freq:59.98Hz Lamp Flux:3453.57x1 lm		
NAME: ASD-SWP-MV-A28BR-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)	496.15	14.4
FM - Front-Medium(30-60)	1113.1	32.2
FH - Front-High(60-80)	750.33	21.7
FVH - Front-Very High(80-90)	251.71	7.3
Total Forward Light	2939.1	85.1

BL - Back-Low(0-30)	202.74	5.9
BM - Back-Medium(30-60)	186.01	5.4
BH - Back-High(60-80)	68.508	2.0
BVH - Back-Very High(80-90)	15.105	0.4
Total Back Light	514.47	14.9

UL - Uplight-Low(90-100)	156.5	4.5
UH - Uplight-High(100-180)	213.42	6.2
Total Up Light	369.92	10.7

BUG(Back,Up,Glare) Rating	B1-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	472.36	42.107	514.47
Street Side	2611.3	327.82	2939.1

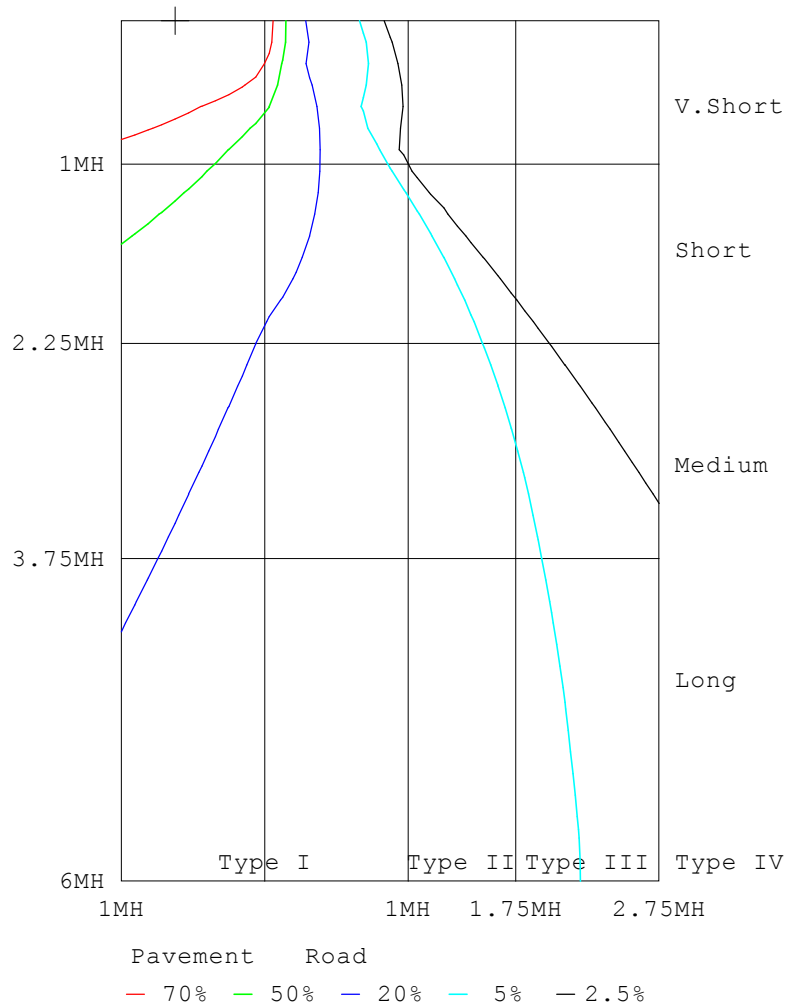
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-01-10

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:121.8V I:0.2115A P:25.53W PF:0.9909 Freq:59.98Hz Lamp Flux:3453.57x1 lm		
NAME: ASD-SWP-MV-A28BR-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:2024-01-10

□ 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:121.8V I:0.2115A P:25.53W PF:0.9909 Freq:59.98Hz Lamp Flux:3453.57x1 lm		
NAME: ASD-SWP-MV-A28BR-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	1072	1068	1065	1056	1072	1068	1065	1056											
5	1085	1153	1168	1137	1068	939	883	939											
10	1095	1222	1263	1197	1053	745	560	758											
15	1098	1267	1310	1221	995	495	281	524											
20	1046	1266	1323	1191	915	299	172	333											
25	964	1218	1337	1144	823	202	124	227											
30	866	1158	1342	1090	729	148	88.8	170											
35	769	1111	1340	1035	635	110	57.9	131											
40	674	1065	1338	990	554	80.4	32.7	98.8											
45	595	1019	1333	950	489	56.4	14.8	72.3											
50	534	981	1320	909	433	38.7	12.7	51.8											
55	480	945	1301	868	377	28.0	12.4	37.2											
60	422	907	1272	824	322	24.9	11.9	32.1											
65	357	863	1228	771	265	22.7	11.3	29.1											
70	291	809	1166	708	207	20.9	10.5	26.7											
75	225	740	1081	628	156	19.4	9.65	24.6											
80	157	651	967	537	115	18.1	9.13	22.8											
85	53.8	540	799	437	55.7	17.1	9.63	21.4											
90	23.1	426	657	344	22.7	16.7	11.0	20.4											
95	9.37	319	507	262	7.58	16.1	11.4	19.4											
100	2.70	236	231	202	2.89	15.4	11.0	18.3											
105	2.62	182	120	164	3.06	14.8	10.7	17.4											
110	2.97	149	102	137	4.61	14.5	10.1	16.7											
115	4.32	126	90.6	118	15.5	14.3	10.5	16.2											
120	12.4	109	80.4	103	26.0	14.0	10.9	15.5											
125	21.4	93.7	70.8	88.9	29.8	13.6	11.1	14.9											
130	27.1	80.3	61.7	76.3	26.1	13.2	11.2	14.4											
135	26.8	68.1	52.8	64.6	22.5	12.7	11.2	13.7											
140	24.1	56.8	44.3	53.9	19.1	12.1	11.2	12.8											
145	21.5	46.7	36.5	43.7	15.9	11.3	11.0	11.6											
150	19.1	37.5	29.5	33.8	13.1	10.3	10.7	10.2											
155	16.7	29.1	23.4	25.0	11.5	9.73	10.3	9.27											
160	14.3	21.9	18.0	17.9	10.2	9.31	9.69	8.79											
165	11.9	16.1	13.5	12.9	9.20	8.85	9.29	8.49											
170	9.80	11.5	9.90	9.66	8.53	8.43	8.78	8.19											
175	8.15	8.47	7.82	7.73	7.82	8.06	8.22	7.90											
180	7.63	7.63	7.61	7.60	7.63	7.63	7.61	7.59											

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-01-10

□ 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: