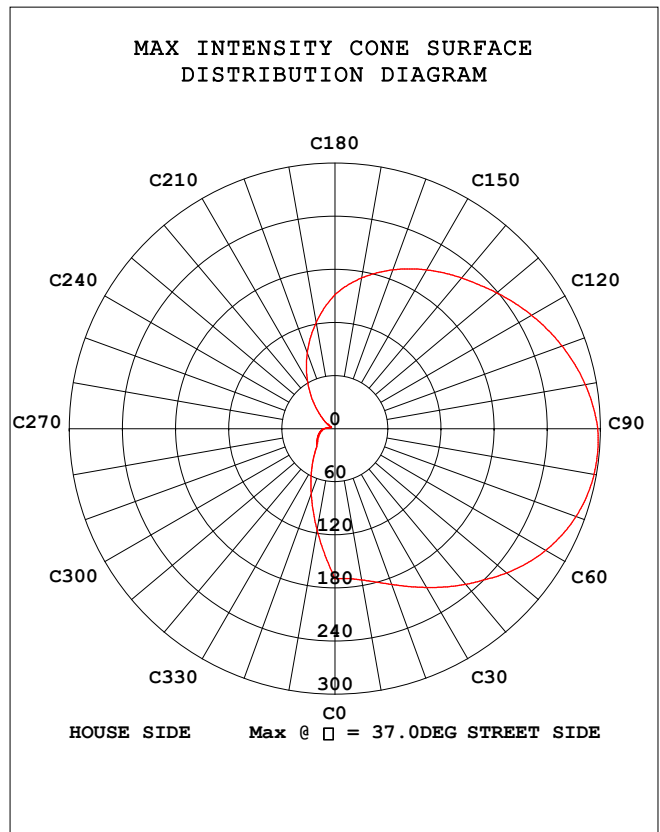
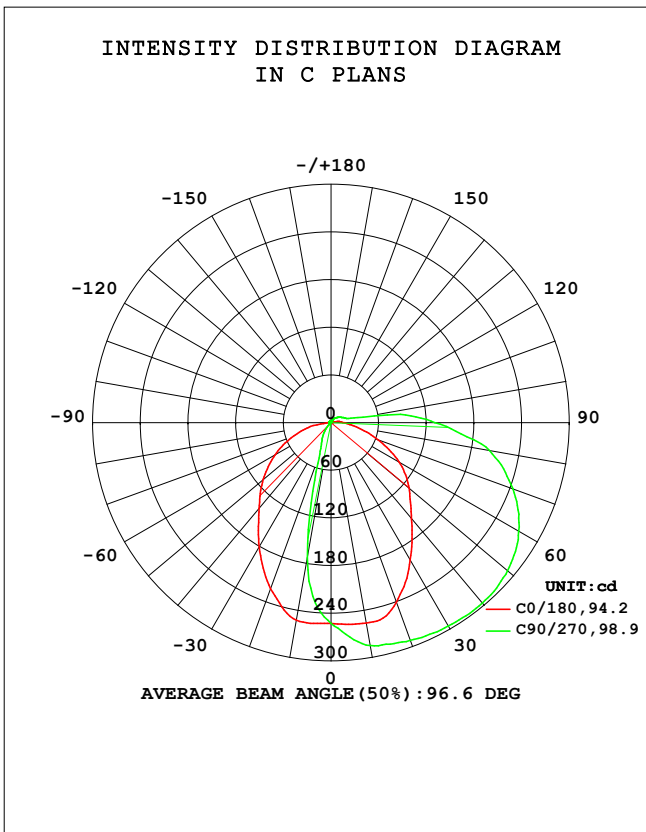


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:0.6450V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:764.135x1 lm		
NAME: ASD-SWP-MV-A28BR-PC-5EM-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		I _{max} (cd)	296.8	<input type="checkbox"/> street_up (%)	8.0
NOMINAL POWER (W)	28	LOR (%)	100.0	<input type="checkbox"/> street_down (%)	75.1
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	764.1	<input type="checkbox"/> house_up (%)	1.0
NOMINAL FLUX (lm)	764.135	MAXIMUM @ (C, <input type="checkbox"/>)	90,37.0	<input type="checkbox"/> house_down (%)	15.8
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	9.1	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	<input type="checkbox"/> down (%)	90.9	SLI	17.798

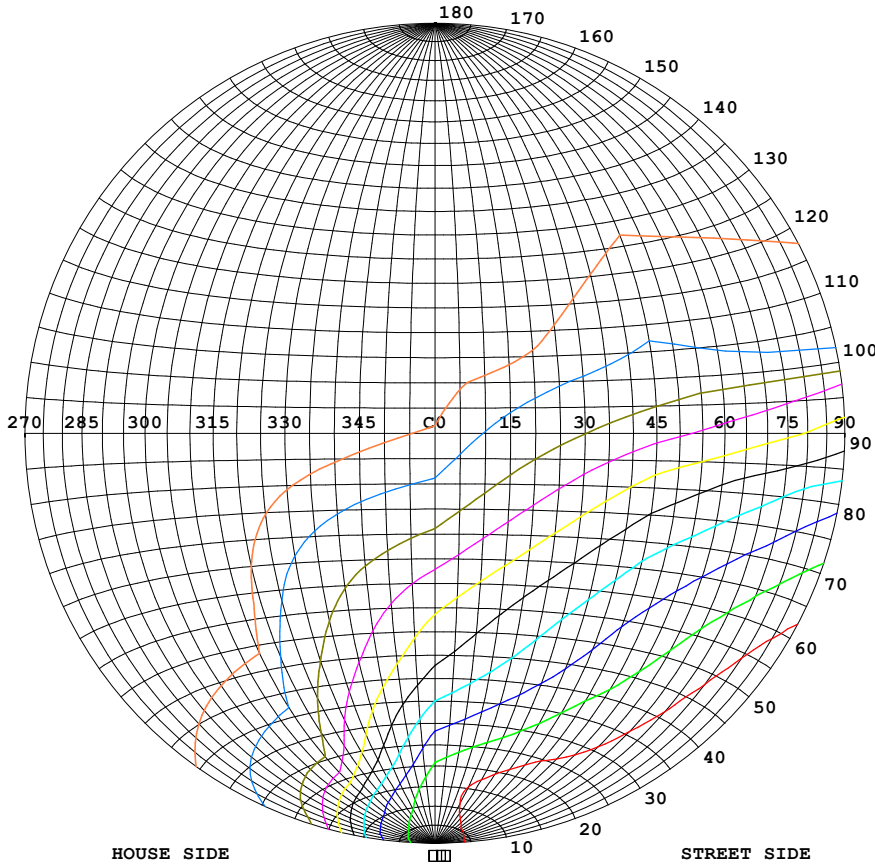


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-07-16

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:0.6450V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:764.135x1 lm		
NAME: ASD-SWP-MV-A28BR-PC-5EM-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:



Classification:

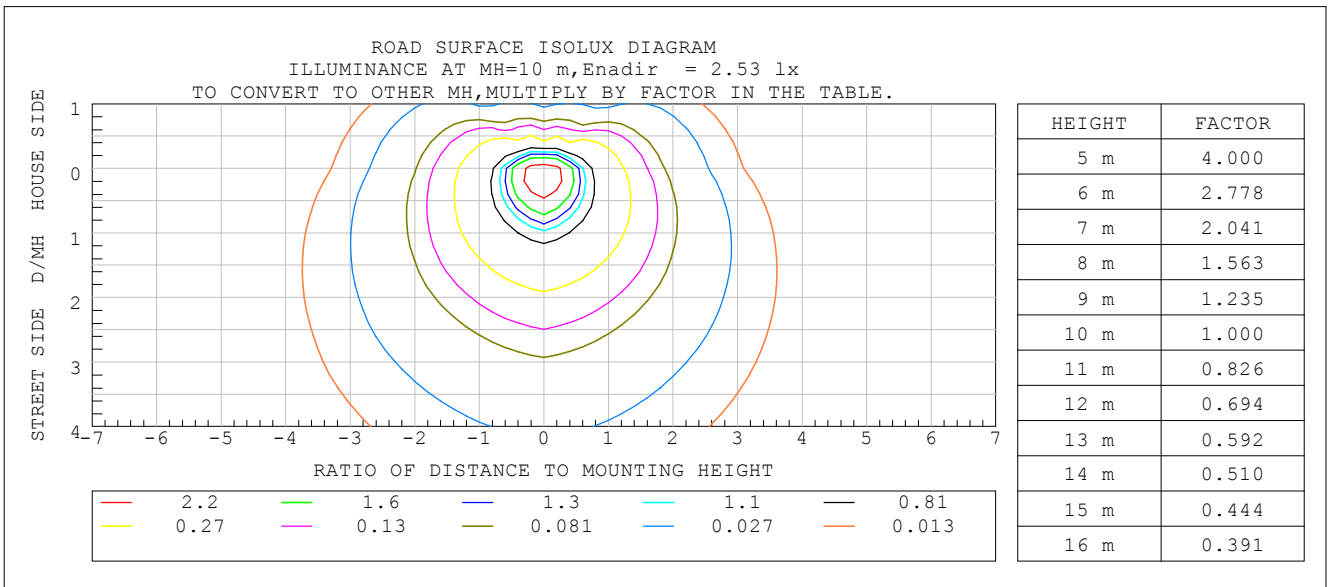
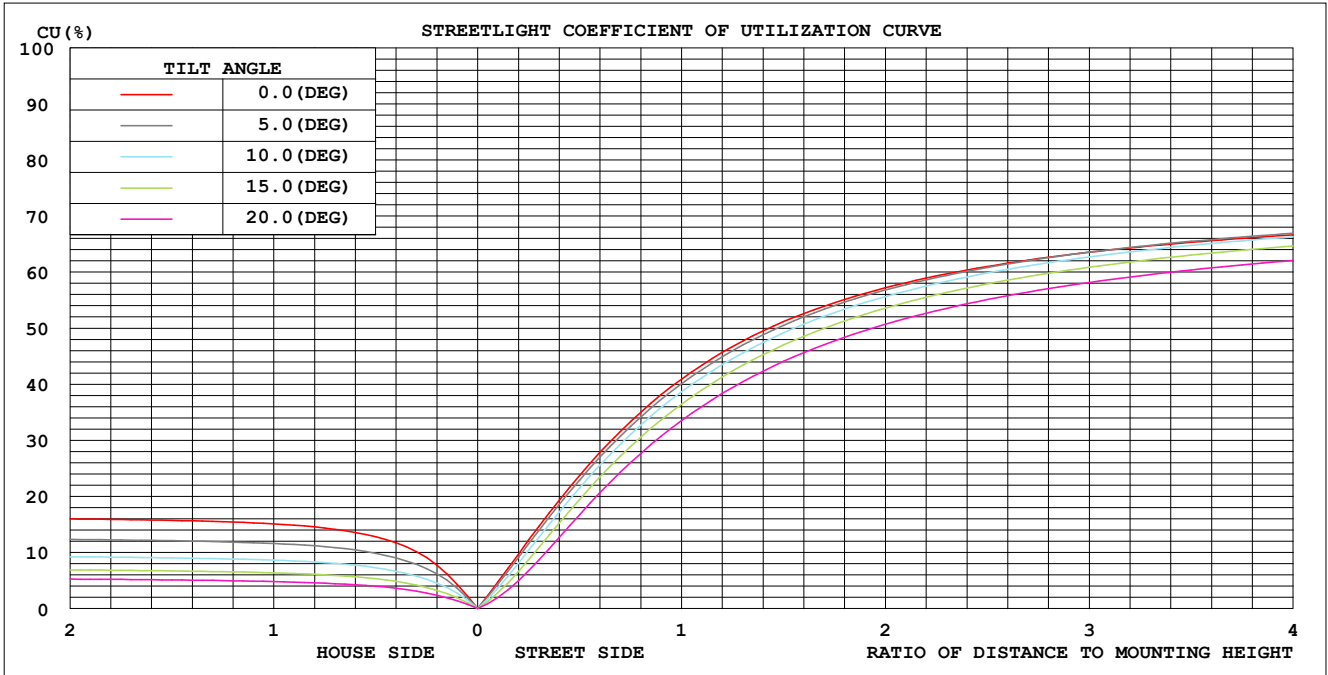
IES:Type IV - Very Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:265.0cd/klm
 Max.At90:171.2cd/klm
 Max.80-90:265.0cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	297
90%	267
80%	237
70%	208
60%	178
50%	148
40%	119
30%	89
20%	59
10%	30
5%	15

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:0.6450V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:764.135x1 lm		
NAME: ASD-SWP-MV-A28BR-PC-5EM-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:

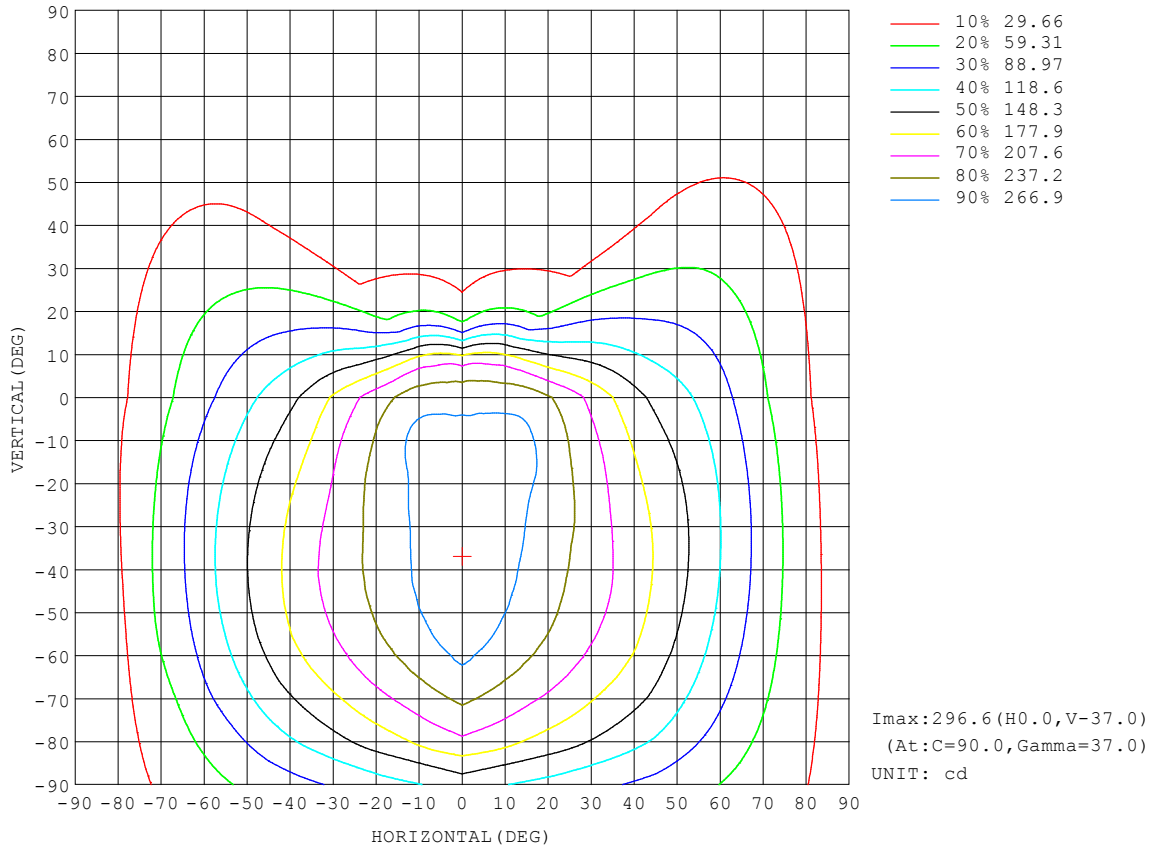
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	lum,lamp
10	256.2	278.8	285.0	277.0	252.5	208.5	173.2	211.2	0- 10	23.77	23.77	3.11,3.11
20	240.5	278.4	291.6	264.2	222.6	98.98	42.32	106.2	10- 20	61.34	85.11	11.1,11.1
30	199.5	255.2	295.6	244.3	181.1	39.54	22.04	43.58	20- 30	80.36	165.5	21.7,21.7
40	157.8	234.3	296.4	225.2	141.2	22.36	9.718	25.22	30- 40	93.39	258.9	33.9,33.9
50	128.3	214.8	290.2	209.4	111.5	11.75	2.725	13.26	40- 50	101.0	359.8	47.1,47.1
60	98.96	194.8	272.8	188.7	81.44	6.608	2.580	7.329	50- 60	102.9	462.8	60.6,60.6
70	62.99	167.5	243.6	158.1	50.55	5.264	2.361	5.944	60- 70	96.34	559.1	73.2,73.2
80	32.40	129.5	202.5	116.9	23.05	4.336	2.028	4.898	70- 80	80.19	639.3	83.7,83.7
90	16.01	80.46	130.8	72.13	2.054	3.768	2.291	4.124	80- 90	55.62	694.9	90.9,90.9
100	10.18	42.42	41.01	39.06	0.5942	3.397	2.577	3.509	90-100	31.95	726.9	95.1,95.1
110	1.791	26.23	18.17	24.77	0.8455	3.113	2.193	3.142	100-110	13.50	740.3	96.9,96.9
120	2.174	18.68	13.89	17.53	2.202	2.983	2.434	3.005	110-120	8.802	749.2	98,98
130	2.306	13.48	10.48	11.61	2.433	2.767	2.539	2.851	120-130	6.253	755.4	98.9,98.9
140	2.309	9.132	7.406	7.930	2.387	2.505	2.415	2.651	130-140	4.125	759.5	99.4,99.4
150	2.225	5.678	4.746	5.049	2.296	2.345	2.320	2.336	140-150	2.503	762.0	99.7,99.7
160	2.085	2.855	2.762	2.748	2.133	2.166	2.242	2.169	150-160	1.338	763.4	99.9,99.9
170	1.877	1.674	1.471	1.605	1.877	1.988	2.047	2.004	160-170	0.5929	764.0	100,100
180	1.834	1.812	1.790	1.807	1.839	1.815	1.793	1.823	170-180	0.1721	764.1	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

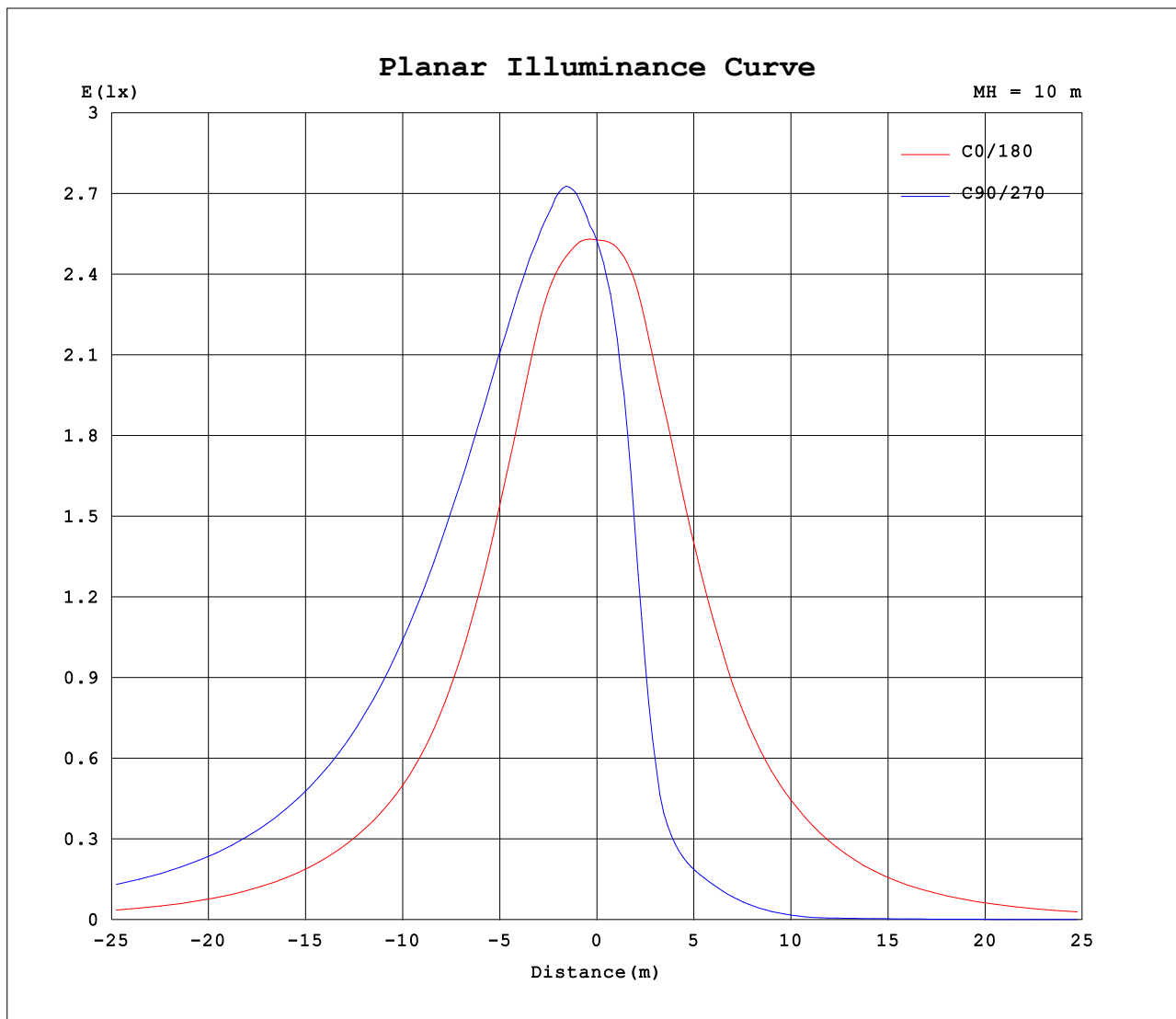
Test:U:0.6450V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:764.135x1 lm		
NAME: ASD-SWP-MV-A28BR-PC-5EM-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.14*0.13	Shielding Angle:



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



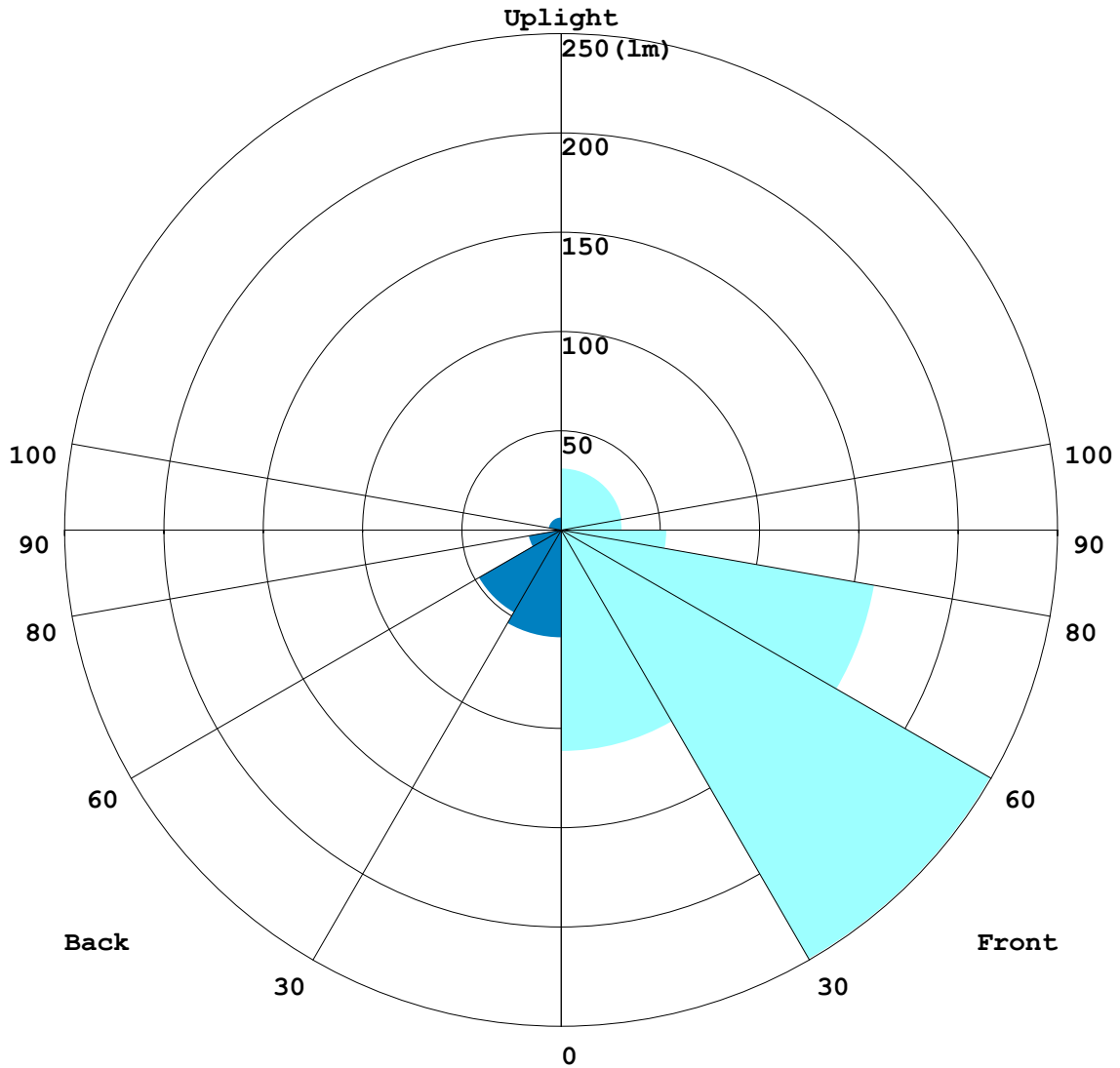
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 27DEG
Operators: lianghaizhu
Test Date: 2024-07-16

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:0.6450V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:764.135x1 lm		
NAME: ASD-SWP-MV-A28BR-PC-5EM-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:0.6450V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:764.135x1 lm		
NAME: ASD-SWP-MV-A28BR-PC-5EM-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)	111.37	14.6
FM - Front-Medium(30-60)	249.43	32.6
FH - Front-High(60-80)	160.02	20.9
FVH - Front-Very High(80-90)	53.046	6.9
Total Forward Light	635.27	83.1

BL - Back-Low(0-30)	54.097	7.1
BM - Back-Medium(30-60)	47.856	6.3
BH - Back-High(60-80)	16.514	2.2
BVH - Back-Very High(80-90)	2.5696	0.3
Total Back Light	128.87	16.9

UL - Uplight-Low(90-100)	31.95	4.2
UH - Uplight-High(100-180)	37.283	4.9
Total Up Light	69.233	9.1

BUG(Back,Up,Glare) Rating	B0-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	121.04	7.8328	128.87
Street Side	573.87	61.4	635.27

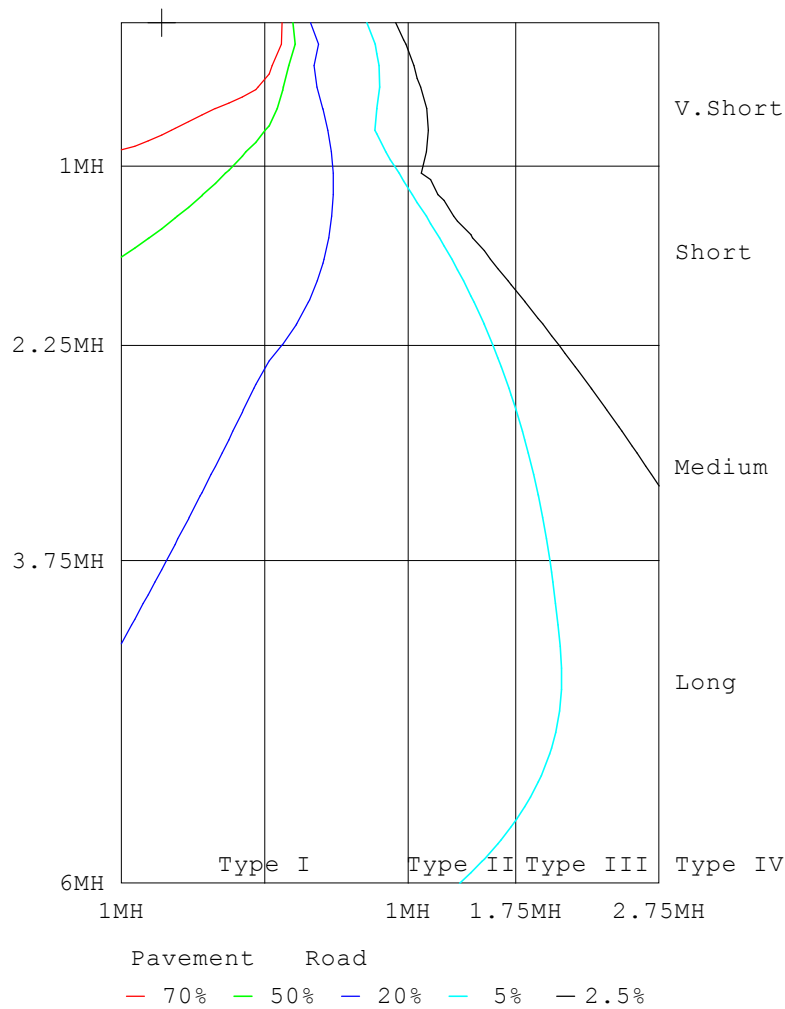
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-07-16

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:0.6450V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:764.135x1 lm		
NAME: ASD-SWP-MV-A28BR-PC-5EM-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:0.6450V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:764.135x1 lm		
NAME: ASD-SWP-MV-A28BR-PC-5EM-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	253	253	253	253	253	253	253	253											
5	255	267	271	265	254	237	228	238											
10	256	279	285	277	252	209	173	211											
15	255	284	289	276	240	161	89.4	167											
20	240	278	292	264	223	99.0	42.3	106											
25	222	266	294	254	202	57.4	28.6	63.2											
30	200	255	296	244	181	39.5	22.0	43.6											
35	178	245	297	234	159	29.4	15.6	32.9											
40	158	234	296	225	141	22.4	9.72	25.2											
45	141	224	295	218	126	16.5	5.08	18.6											
50	128	215	290	209	111	11.8	2.73	13.3											
55	115	206	283	200	96.5	8.33	2.65	9.36											
60	99.0	195	273	189	81.4	6.61	2.58	7.33											
65	80.8	182	260	175	66.2	5.86	2.48	6.56											
70	63.0	167	244	158	50.6	5.26	2.36	5.94											
75	46.5	150	225	138	36.4	4.77	2.18	5.40											
80	32.4	130	202	117	23.1	4.34	2.03	4.90											
85	22.0	106	165	94.4	6.27	3.99	2.04	4.44											
90	16.0	80.5	131	72.1	2.05	3.77	2.29	4.12											
95	12.6	59.0	101	53.6	0.55	3.60	2.63	3.82											
100	10.2	42.4	41.0	39.1	0.59	3.40	2.58	3.51											
105	3.09	32.5	21.1	30.4	0.68	3.22	2.38	3.28											
110	1.79	26.2	18.2	24.8	0.85	3.11	2.19	3.14											
115	2.01	21.9	15.9	20.7	1.41	3.05	2.32	3.07											
120	2.17	18.7	13.9	17.5	2.20	2.98	2.43	3.00											
125	2.26	16.0	12.1	14.4	2.44	2.89	2.52	2.93											
130	2.31	13.5	10.5	11.6	2.43	2.77	2.54	2.85											
135	2.31	11.2	8.91	9.53	2.43	2.64	2.54	2.75											
140	2.31	9.13	7.41	7.93	2.39	2.50	2.41	2.65											
145	2.28	7.25	6.04	6.35	2.34	2.45	2.33	2.50											
150	2.23	5.68	4.75	5.05	2.30	2.35	2.32	2.34											
155	2.17	4.16	3.68	3.79	2.22	2.25	2.31	2.24											
160	2.09	2.85	2.76	2.75	2.13	2.17	2.24	2.17											
165	1.99	2.05	1.93	2.06	1.96	2.07	2.17	2.10											
170	1.88	1.67	1.47	1.60	1.88	1.99	2.05	2.00											
175	1.83	1.70	1.61	1.70	1.84	1.90	1.92	1.91											
180	1.83	1.81	1.79	1.81	1.84	1.81	1.79	1.82											

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: