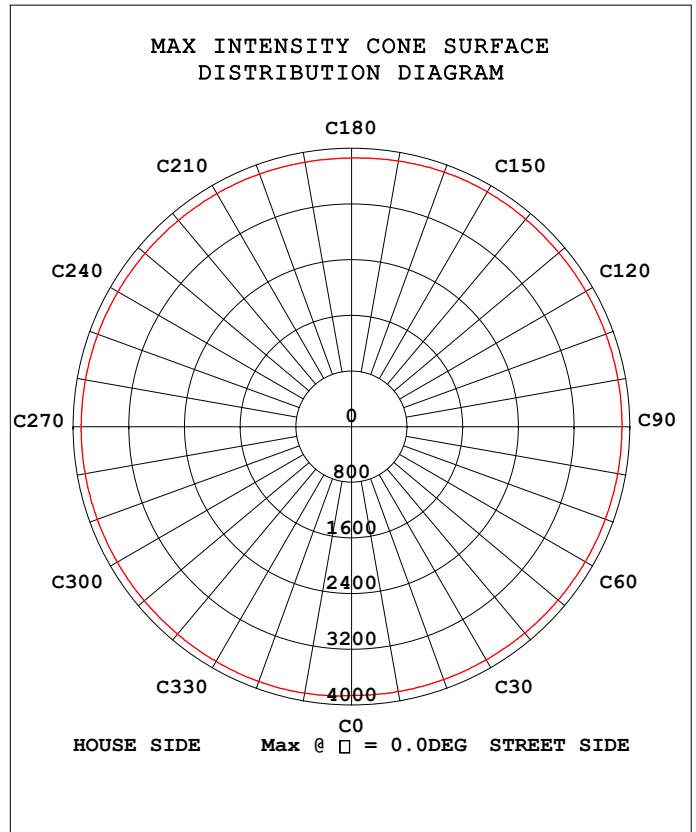
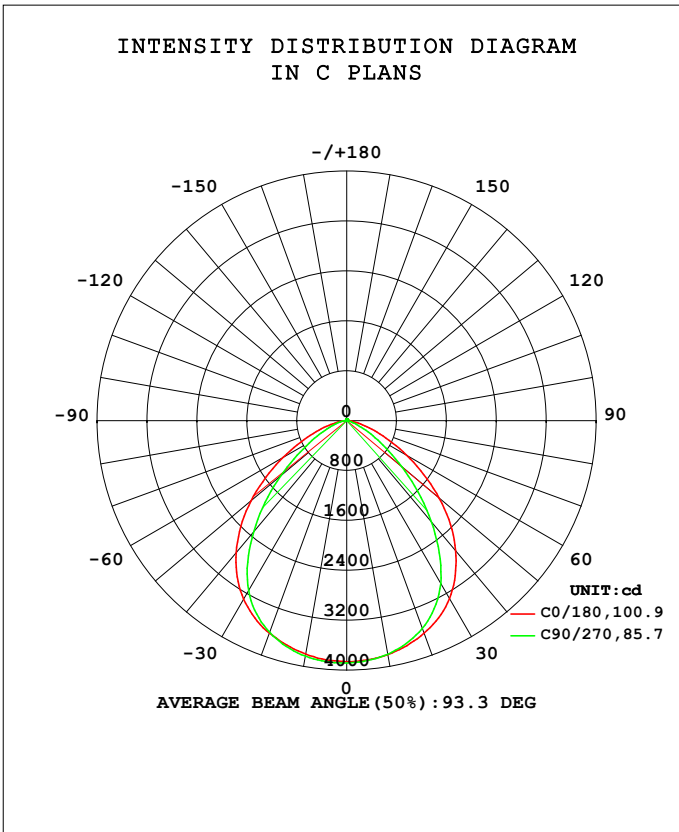


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:277.59V I:0.2151A P:57.445W PF:0.9978 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:8378.91x1 lm
NAME: ASD-FL01K-55BK
SPEC.: 4000K
MFR.: ASD Lighting Corp

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	ASD-FL01K-55BK	I _{max} (cd)	3897	<input type="checkbox"/> street_up (%)	0.4
NOMINAL POWER (W)	55	LOR (%)	100.0	<input type="checkbox"/> street_down (%)	48.0
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	8379	<input type="checkbox"/> house_up (%)	0.5
NOMINAL FLUX (lm)	8379	MAXIMUM @ (C, <input type="checkbox"/>)	158,0.0	<input type="checkbox"/> house_down (%)	51.0
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	1.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	<input type="checkbox"/> down (%)	99.0	SLI	

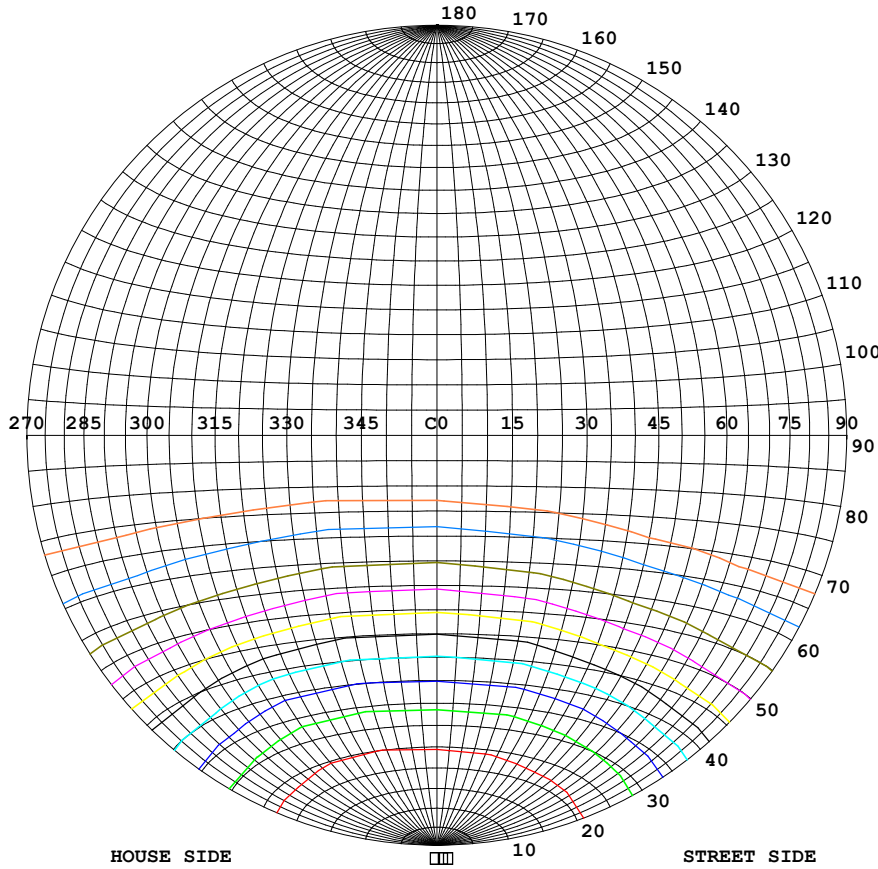


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-12-15

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 9.600m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:277.59V I:0.2151A P:57.445W PF:0.9978 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:8378.91x1 lm
NAME: ASD-FL01K-55BK
SPEC.: 4000K
MFR.: ASD Lighting Corp



Classification:

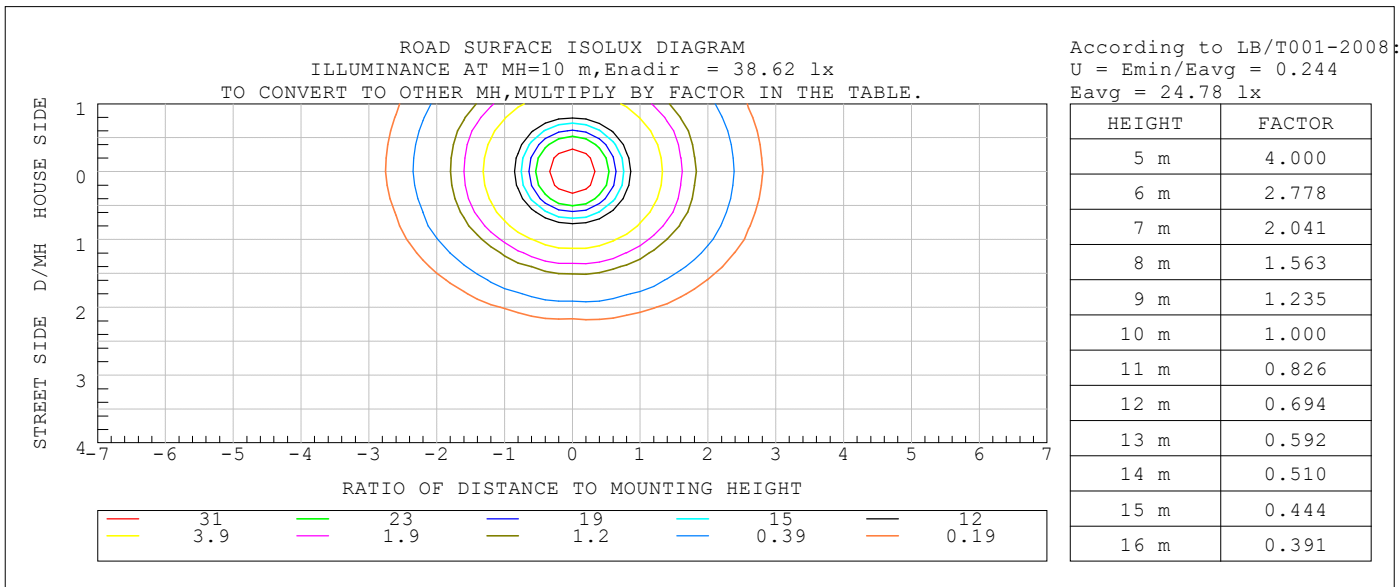
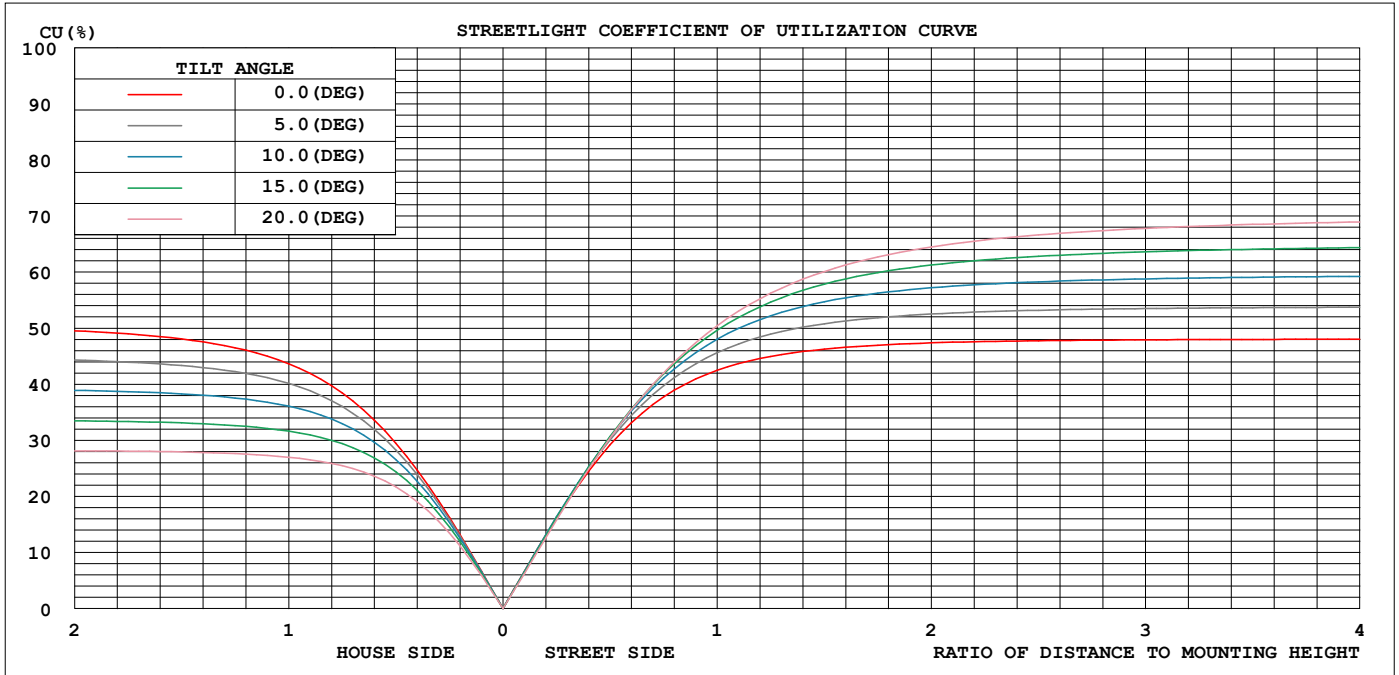
IES:Type I - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:17.10cd/klm
 Max.At90:0.9574cd/klm
 Max.80-90:17.10cd/klm
 NRB 5101:Limited[3.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3897
— 90%	3508
— 80%	3118
— 70%	2728
— 60%	2338
— 50%	1949
— 40%	1559
— 30%	1169
— 20%	779
— 10%	390
— 5%	195

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-12-15

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM**



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2023-12-15

Range: 0 - 180DEG
 Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.600m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:277.59V I:0.2151A P:57.445W PF:0.9978 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:8378.91x1 lm
NAME: ASD-FL01K-55BK
SPEC.: 4000K
MFR.: ASD Lighting Corp

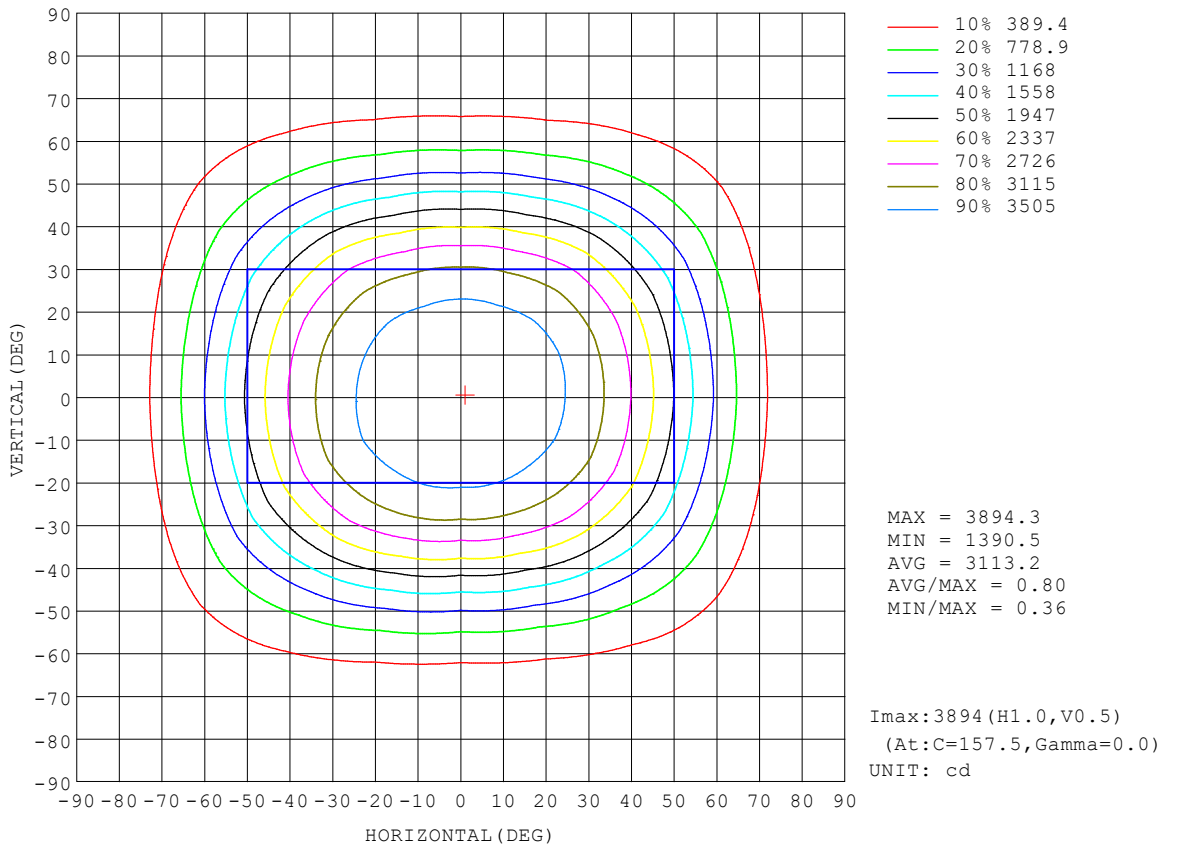
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	3808	3800	3803	3817	3798	3821	3831	3836	0- 10	367.3	367.3	4.38,4.38
20	3624	3583	3545	3603	3624	3631	3613	3646	10- 20	1053	1420	17,17
30	3296	3180	3016	3219	3305	3267	3147	3278	20- 30	1584	3004	35.9,35.9
40	2715	2481	2112	2575	2758	2652	2317	2648	30- 40	1811	4815	57.5,57.5
50	1940	1502	1159	1630	2004	1740	1388	1723	40- 50	1611	6426	76.7,76.7
60	1108	700.3	488.4	794.2	1174	886.8	645.6	874.1	50- 60	1090	7516	89.7,89.7
70	476.2	236.3	134.8	282.3	522.9	363.5	262.2	351.8	60- 70	553.2	8070	96.3,96.3
80	114.5	26.88	9.772	34.27	140.8	109.0	82.03	98.63	70- 80	197.6	8267	98.7,98.7
90	3.320	5.803	1.830	2.056	4.107	4.416	3.102	3.540	80- 90	30.02	8297	99,99
100	4.575	7.324	3.416	3.715	6.405	5.100	4.156	5.576	90-100	4.515	8302	99.1,99.1
110	7.568	9.464	5.813	6.163	9.964	8.443	7.415	9.075	100-110	6.908	8309	99.2,99.2
120	10.75	11.92	8.936	9.170	13.96	12.43	11.66	13.26	110-120	9.691	8318	99.3,99.3
130	14.40	14.64	12.62	12.68	17.92	16.50	16.21	17.52	120-130	12.04	8330	99.4,99.4
140	18.09	17.79	16.58	16.57	21.66	20.53	20.56	21.58	130-140	13.34	8344	99.6,99.6
150	21.68	21.52	20.64	20.73	24.99	24.08	24.30	25.18	140-150	13.18	8357	99.7,99.7
160	25.59	25.39	24.88	24.86	27.71	27.02	27.29	27.93	150-160	11.36	8368	99.9,99.9
170	28.89	28.65	28.57	28.39	29.73	29.28	29.55	29.79	160-170	7.835	8376	100,100
180	30.65	30.39	30.54	30.46	30.66	30.39	30.55	30.46	170-180	2.831	8379	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-12-15

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

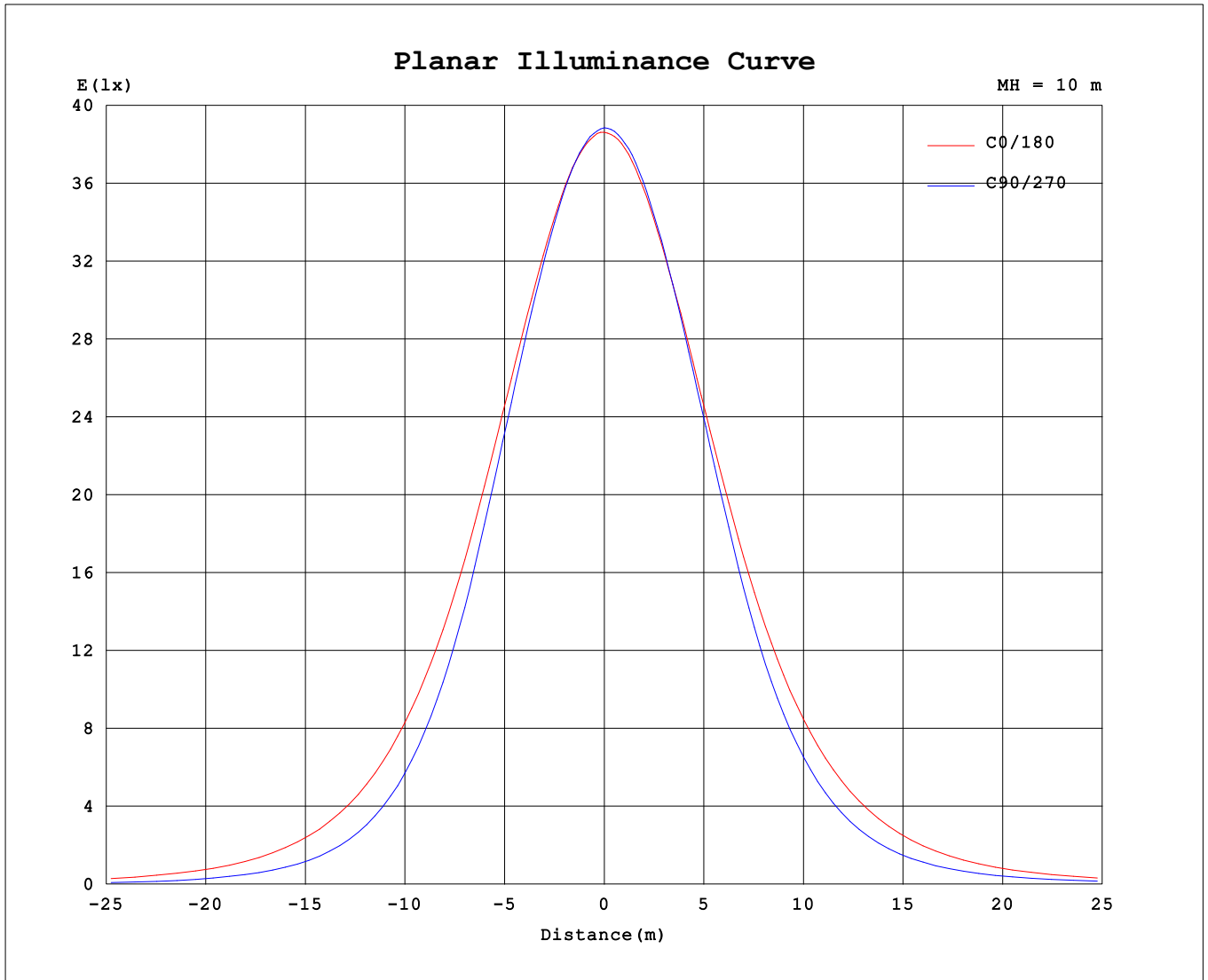
Test:U:277.59V I:0.2151A P:57.445W PF:0.9978 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:8378.91x1 lm
NAME: ASD-FL01K-55BK
SPEC.: 4000K
MFR.: ASD Lighting Corp



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-12-15

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks:

Planar Illuminance Curve



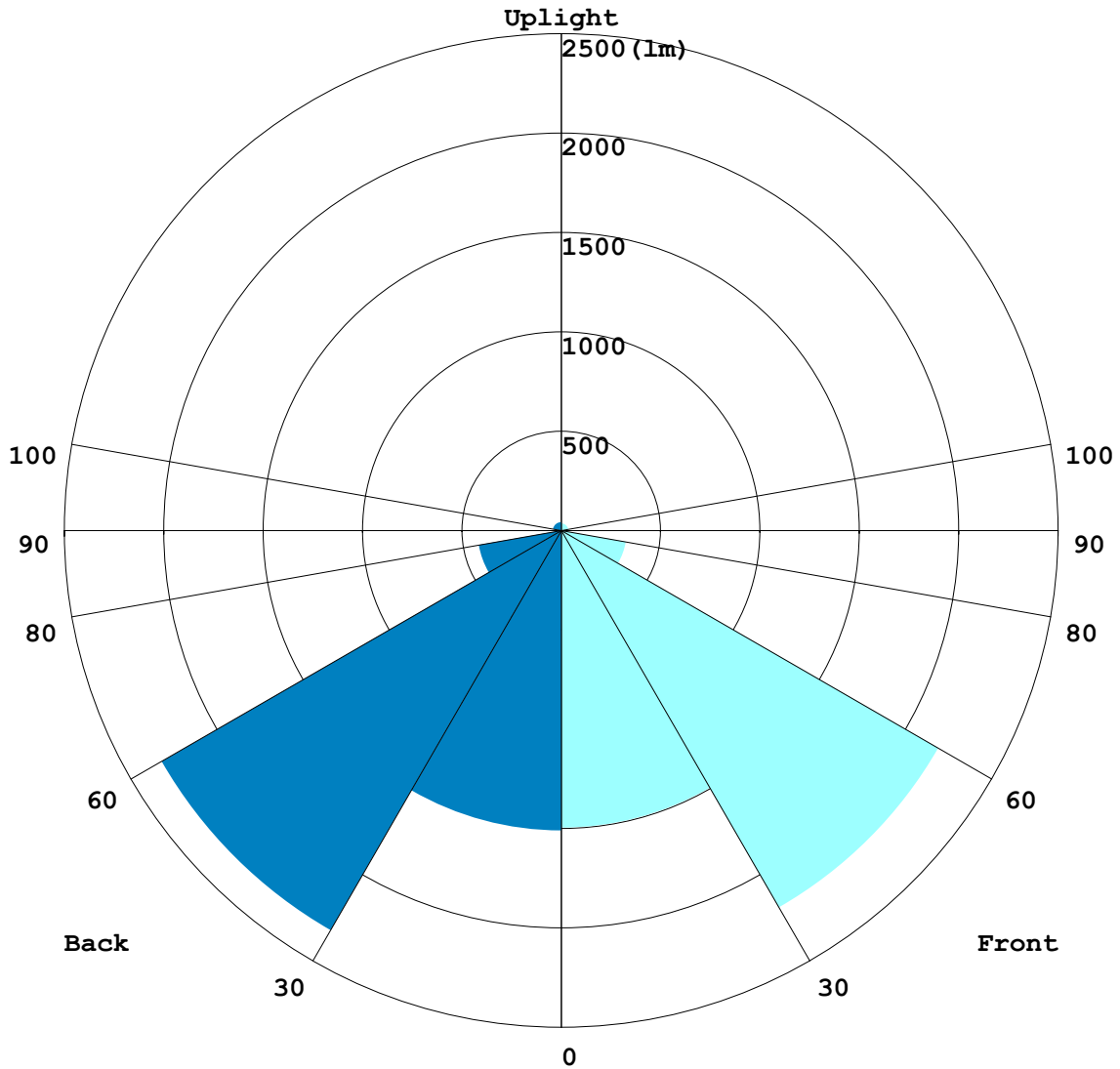
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-12-15

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 9.600m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:277.59V I:0.2151A P:57.445W PF:0.9978 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:8378.91x1 lm
NAME: ASD-FL01K-55BK
SPEC.: 4000K
MFR.: ASD Lighting Corp

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-12-15

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:277.59V I:0.2151A P:57.445W PF:0.9978 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:8378.91x1 lm
NAME: ASD-FL01K-55BK
SPEC.: 4000K
MFR.: ASD Lighting Corp

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1494.8	17.8
FM - Front-Medium(30-60)	2189.9	26.1
FH - Front-High(60-80)	329.82	3.9
FVH - Front-Very High(80-90)	7.3097	0.1
Total Forward Light	4059.5	48.4

BL - Back-Low(0-30)	1509.3	18.0
BM - Back-Medium(30-60)	2322.5	27.7
BH - Back-High(60-80)	420.9	5.0
BVH - Back-Very High(80-90)	22.712	0.3
Total Back Light	4319.4	51.6

UL - Uplight-Low(90-100)	4.5154	0.1
UH - Uplight-High(100-180)	77.183	0.9
Total Up Light	81.699	1.0

BUG(Back,Up,Glare) Rating	B3-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4275.4	44.041	4319.4
Street Side	4021.8	37.658	4059.5

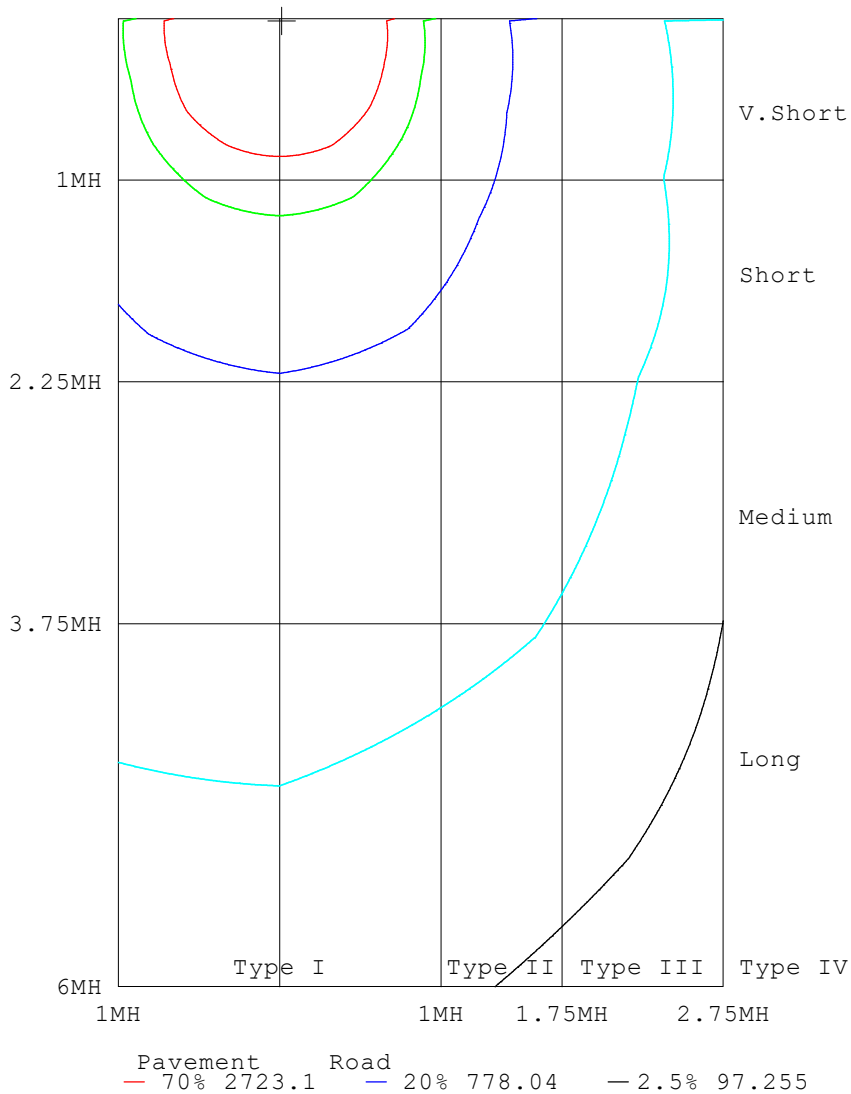
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-12-15

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:277.59V I:0.2151A P:57.445W PF:0.9978 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:8378.91x1 lm
NAME: ASD-FL01K-55BK
SPEC.: 4000K
MFR.: ASD Lighting Corp

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-12-15

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.59V I:0.2151A P:57.445W PF:0.9978 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:8378.91x1 lm
NAME: ASD-FL01K-55BK
SPEC.: 4000K
MFR.: ASD Lighting Corp

Table--1

UNIT: cd

C (DEG) □ (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	3862	3867	3873	3881	3886	3890	3890	3897	3862	3867	3873	3881	3886	3890	3890	3897			
5	3848	3848	3852	3859	3859	3864	3867	3877	3847	3850	3859	3868	3873	3876	3878	3882			
10	3808	3805	3800	3802	3803	3809	3817	3830	3798	3810	3821	3822	3831	3830	3836	3837			
15	3733	3723	3715	3700	3697	3714	3730	3754	3723	3733	3741	3741	3745	3748	3759	3764			
20	3624	3617	3583	3566	3545	3580	3603	3642	3624	3626	3631	3610	3613	3617	3646	3651			
25	3488	3473	3407	3358	3324	3381	3437	3501	3489	3485	3475	3424	3420	3430	3491	3508			
30	3296	3278	3180	3076	3016	3111	3219	3317	3305	3297	3267	3174	3147	3179	3278	3317			
35	3033	3015	2881	2678	2588	2737	2943	3064	3060	3056	2999	2828	2768	2837	3009	3058			
40	2715	2678	2481	2216	2112	2280	2575	2748	2758	2747	2652	2395	2317	2405	2648	2731			
45	2352	2288	2002	1725	1618	1793	2121	2371	2402	2379	2216	1936	1853	1942	2204	2351			
50	1940	1849	1502	1248	1159	1317	1630	1953	2004	1963	1740	1477	1388	1480	1723	1927			
55	1508	1397	1065	842	771	901	1177	1511	1582	1526	1281	1054	973	1054	1264	1490			
60	1108	985	700	535	488	580	794	1094	1174	1117	887	707	646	705	874	1081			
65	756	646	435	305	264	337	502	735	813	760	580	455	415	451	570	731			
70	476	390	236	147	135	162	282	450	523	483	364	284	262	278	352	461			
75	265	203	93.8	63.2	57.2	71.4	118	242	302	284	212	170	158	164	201	263			
80	115	70.0	26.9	12.9	9.77	16.6	34.3	95.9	141	143	109	88.0	82.0	83.3	98.6	126			
85	21.3	11.0	5.31	1.64	1.44	1.50	2.23	13.0	37.5	47.3	37.8	29.4	27.9	28.1	31.2	34.8			
90	3.32	8.02	5.80	2.05	1.83	1.82	2.06	2.46	4.11	4.61	4.42	3.37	3.10	3.17	3.54	4.16			
95	3.85	8.71	6.49	2.78	2.51	2.48	2.79	3.09	4.93	4.56	3.84	3.22	3.03	3.42	4.19	4.92			
100	4.58	9.50	7.32	3.77	3.42	3.43	3.72	4.10	6.40	5.92	5.10	4.35	4.16	4.66	5.58	6.41			
105	5.92	10.3	8.34	4.98	4.51	4.50	4.87	5.28	8.10	7.58	6.65	5.85	5.61	6.23	7.22	8.14			
110	7.57	11.3	9.46	6.32	5.81	5.73	6.16	6.62	9.96	9.38	8.44	7.62	7.42	8.08	9.08	10.1			
115	9.13	12.5	10.6	7.82	7.30	7.17	7.60	8.08	11.9	11.3	10.4	9.60	9.46	10.1	11.1	12.1			
120	10.8	13.6	11.9	9.45	8.94	8.83	9.17	9.69	14.0	13.3	12.4	11.8	11.7	12.3	13.3	14.2			
125	12.5	14.8	13.2	11.2	10.7	10.6	10.9	11.4	16.0	15.3	14.5	14.0	13.9	14.6	15.4	16.2			
130	14.4	16.1	14.6	13.1	12.6	12.5	12.7	13.2	17.9	17.3	16.5	16.2	16.2	16.8	17.5	18.3			
135	16.3	17.4	16.1	15.0	14.6	14.4	14.6	15.0	19.8	19.2	18.6	18.3	18.4	18.9	19.6	20.2			
140	18.1	18.8	17.8	17.0	16.6	16.4	16.6	17.0	21.7	21.1	20.5	20.4	20.6	21.0	21.6	22.1			
145	19.7	20.3	19.6	18.9	18.6	18.4	18.6	19.0	23.4	22.8	22.4	22.3	22.5	23.0	23.5	23.9			
150	21.7	22.1	21.5	20.9	20.6	20.5	20.7	21.0	25.0	24.5	24.1	24.1	24.3	24.7	25.2	25.6			
155	23.7	23.9	23.5	22.9	22.8	22.6	22.8	23.0	26.4	25.9	25.6	25.7	25.9	26.2	26.6	27.0			
160	25.6	25.7	25.4	24.9	24.9	24.8	24.9	25.0	27.7	27.2	27.0	27.1	27.3	27.5	27.9	28.2			
165	27.4	27.4	27.2	26.8	26.9	26.7	26.8	26.8	28.8	28.3	28.3	28.4	28.6	28.6	29.0	29.2			
170	28.9	28.8	28.6	28.4	28.6	28.4	28.4	28.4	29.7	29.2	29.3	29.4	29.5	29.5	29.8	30.0			
175	30.0	29.8	29.8	29.7	29.8	29.7	29.7	29.6	30.4	29.9	30.0	30.1	30.2	30.2	30.3	30.4			
180	30.7	30.3	30.4	30.4	30.5	30.4	30.5	30.5	30.7	30.3	30.4	30.4	30.6	30.4	30.5	30.5			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-12-15

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks: