

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P636062

Luminaire Tested: **IFLD-L-SA7B-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636062
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-935-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22469.3 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

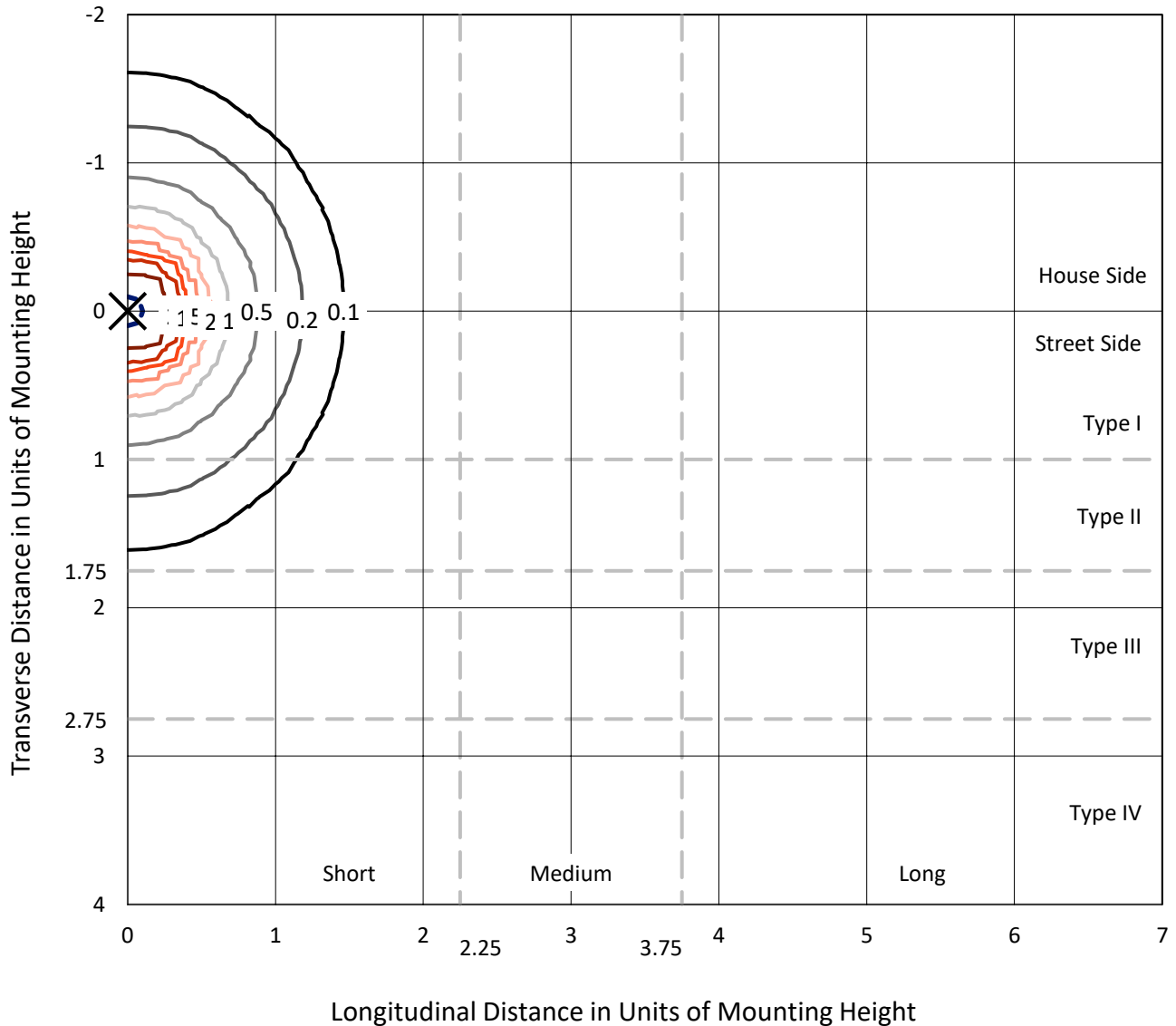
Input Watts (W): 281
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636062
 CATALOG NUMBER: IFLD-L-SA7B-935-U-22-VI

Iso-Footcandle Lines of Horizontal Illumination

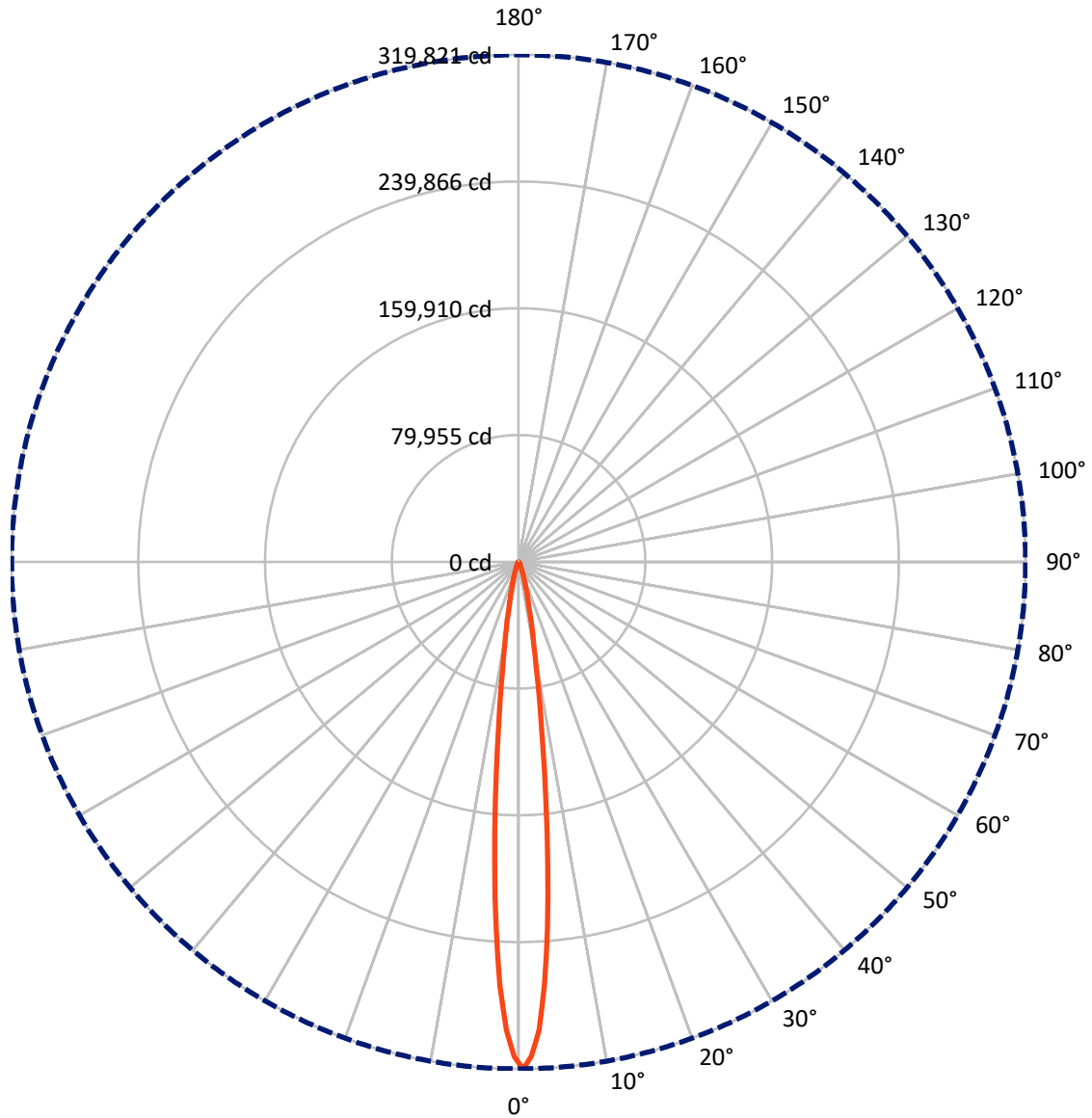
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 799.6 fc
 Type V - Short - N/A

REPORT NUMBER: P636062
CATALOG NUMBER: IFLD-L-SA7B-935-U-22-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P636062
 CATALOG NUMBER: IFLD-L-SA7B-935-U-22-VI

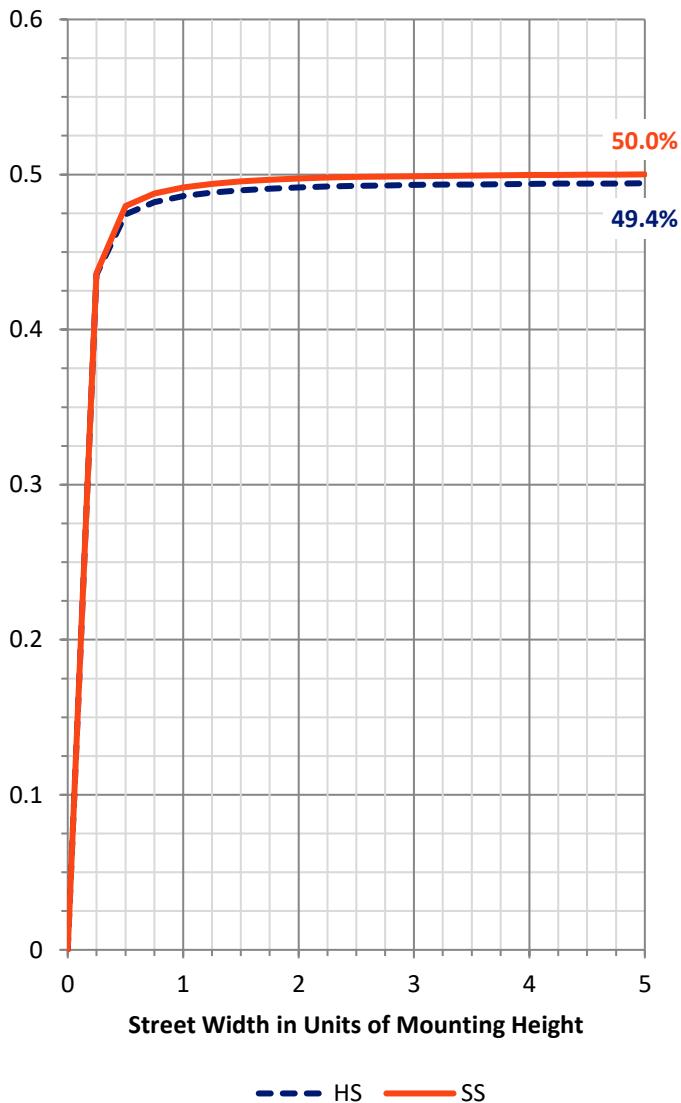
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11234.6	0.0	11234.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11234.6	0.0	11234.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	22469.3	0.0	22469.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13696.8	61.0
10°-20°	6136.3	27.3
20°-30°	1370.4	6.1
30°-40°	447.3	2.0
40°-50°	308.5	1.4
50°-60°	233.0	1.0
60°-70°	159.5	0.7
70°-80°	84.0	0.4
80°-90°	33.5	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	22469.3	100.0
0°-180°	22469.3	100.0

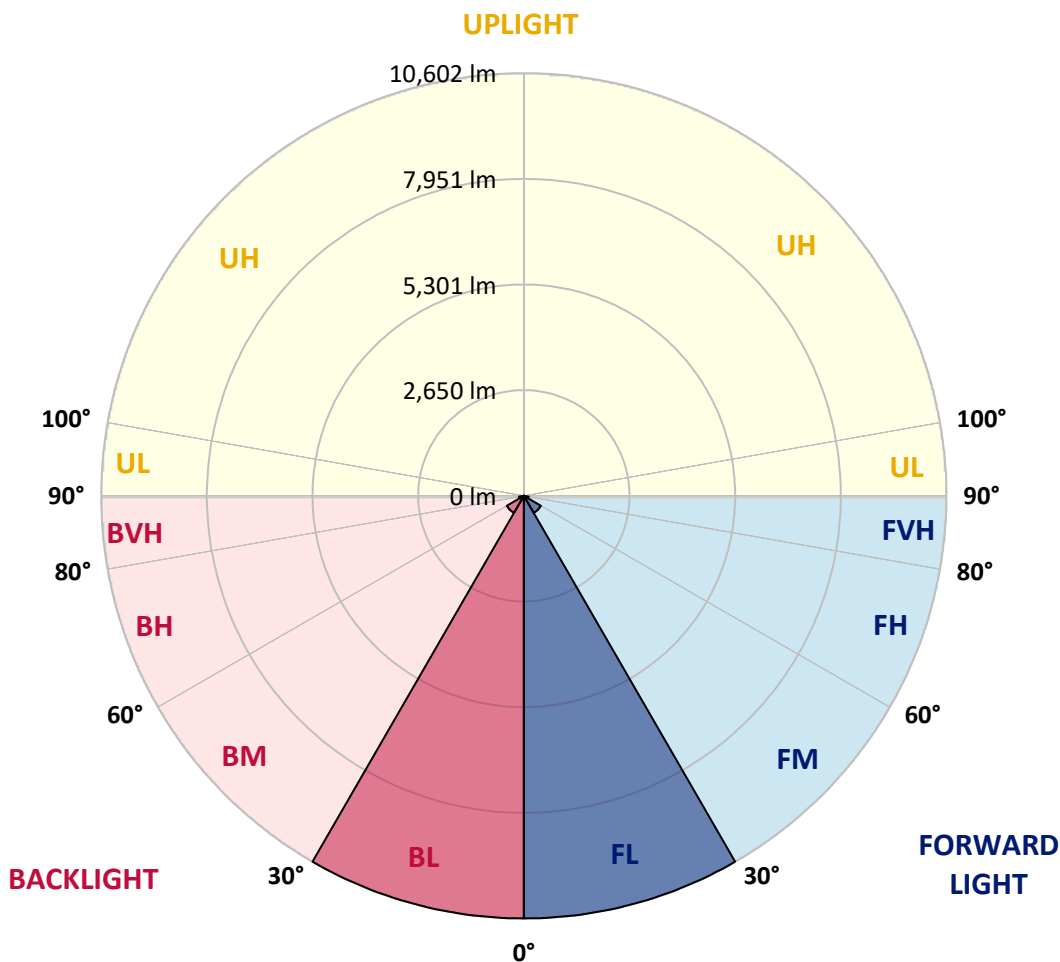


REPORT NUMBER: P636062
 CATALOG NUMBER: IFLD-L-SA7B-935-U-22-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10601.7	47.2			
FM (30°-60°)	494.4	2.2			
FH (60°-80°)	121.7	0.5			G0/660
FVH (80°-90°)	16.8	0.1			G1/100
BL (0°-30°)	10601.7	47.2	B5		
BM (30°-60°)	494.4	2.2	B1/1000		
BH (60°-80°)	121.7	0.5	B1/500		G0/660
BVH (80°-90°)	16.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





REPORT NUMBER: P636062
 CATALOG NUMBER: IFLD-L-SA7B-935-U-22-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	319820.8	319820.8	319820.8	319820.8	319820.8	319820.8	319820.8	319820.8	319820.8	319820.8
1°	311880.4	312304.6	311832.4	314217.7	315202.2	315714.5	315774.6	317119.3	316082.7	316370.9
2°	295443.3	296387.8	294807.0	296335.8	299393.5	300550.1	298665.1	300994.4	300161.9	300646.2
3°	267824.1	268980.7	266795.5	268664.5	272598.7	273479.2	270389.5	273699.3	273615.3	274311.6
4°	232224.4	234101.4	230979.7	233192.9	234933.9	237999.6	235005.9	238772.0	238700.0	239908.6
5°	191814.0	193843.2	191129.7	193426.9	195075.8	196216.5	195119.9	199286.2	199550.3	200799.0
6°	152272.2	154165.2	151135.5	153328.8	155942.2	156410.5	156126.3	159712.3	160508.7	159536.2
7°	117188.8	117661.0	117184.8	119177.9	121275.0	121351.1	121719.3	124873.0	125573.4	125237.2
8°	89749.6	87588.4	89445.4	90502.0	91150.4	94128.0	94348.2	95937.0	97225.7	97317.8
9°	68317.8	66316.7	68465.8	68886.1	70374.9	73020.4	72688.2	74425.1	75233.6	75181.6
10°	52084.8	51068.2	52144.8	52609.1	53833.8	56075.0	56463.2	57259.7	57860.0	58252.2
12.5°	28263.6	28499.8	29124.1	29612.4	31261.3	31857.6	32097.7	32165.8	32161.8	32225.8
15°	17557.7	17749.8	18186.1	19070.5	20075.1	20815.5	20919.6	20535.4	20203.2	20151.1
17.5°	10950.1	10874.0	11898.6	12867.1	14075.8	14460.0	14059.8	13619.5	13167.3	12907.1
20°	6571.6	6623.7	6971.9	7404.1	8380.6	9045.0	8628.8	8180.5	7712.3	7404.1
22.5°	3734.1	3790.1	3942.2	4166.3	4538.5	5142.8	4878.7	4426.4	4094.3	3958.2
25°	2205.2	2205.2	2297.3	2397.3	2553.4	2693.5	2637.5	2397.3	2201.2	2145.2
27.5°	1428.8	1416.8	1448.8	1496.8	1568.9	1576.9	1512.8	1440.8	1340.7	1304.7
30°	1044.6	1048.6	1044.6	1064.6	1060.6	1032.6	992.5	996.6	956.5	952.5
32.5°	848.5	852.5	852.5	848.5	828.5	784.4	756.4	784.4	776.4	768.4
35°	704.4	708.4	748.4	744.4	712.4	664.4	644.4	676.4	700.4	664.4
37.5°	608.3	612.3	644.4	660.4	620.3	588.3	564.3	592.3	628.3	588.3
40°	536.3	540.3	548.3	552.3	532.3	516.3	504.3	512.3	528.3	508.3
42.5°	472.3	468.3	472.3	468.3	444.2	452.3	444.2	432.2	444.2	428.2
45°	412.2	412.2	412.2	400.2	376.2	392.2	384.2	372.2	376.2	364.2
47.5°	376.2	376.2	376.2	360.2	340.2	340.2	344.2	324.2	328.2	324.2
50°	340.2	340.2	348.2	332.2	316.2	304.2	308.2	292.2	296.2	292.2
52.5°	312.2	312.2	312.2	304.2	292.2	284.2	276.2	268.1	264.1	260.1
55°	300.2	300.2	296.2	272.2	268.1	260.1	244.1	240.1	232.1	228.1
57.5°	280.2	280.2	276.2	256.1	240.1	240.1	216.1	212.1	200.1	200.1
60°	248.1	248.1	244.1	240.1	220.1	208.1	192.1	184.1	172.1	168.1
62.5°	236.1	236.1	228.1	208.1	204.1	184.1	168.1	152.1	144.1	136.1
65°	220.1	216.1	212.1	192.1	176.1	164.1	144.1	124.1	116.1	100.1
67.5°	196.1	196.1	192.1	176.1	160.1	140.1	120.1	104.1	84.0	72.0
70°	172.1	168.1	168.1	152.1	140.1	124.1	96.1	80.0	60.0	48.0
72.5°	144.1	144.1	140.1	128.1	120.1	108.1	84.0	64.0	40.0	32.0
75°	116.1	116.1	112.1	104.1	100.1	88.0	72.0	56.0	32.0	16.0
77.5°	96.1	92.1	92.1	84.0	80.0	72.0	60.0	44.0	24.0	12.0
80°	72.0	72.0	76.0	72.0	64.0	60.0	52.0	40.0	20.0	8.0
82.5°	52.0	52.0	56.0	56.0	56.0	52.0	52.0	40.0	20.0	4.0
85°	36.0	36.0	44.0	40.0	40.0	44.0	64.0	52.0	16.0	4.0
87.5°	20.0	20.0	20.0	16.0	16.0	20.0	24.0	20.0	8.0	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
319820.8
314253.7
298917.2
272442.6
237787.4
198413.7
159636.2
124777.0
96157.2
76406.2
58484.3
32277.8
19991.1
12867.1
7472.1
3974.2
2137.2
1304.7
948.5
752.4
656.4
584.3
500.3
428.2
364.2
324.2
292.2
260.1
224.1
200.1
160.1
132.1
96.1
72.0
48.0
28.0
16.0
8.0
4.0
4.0
4.0
4.0
0.0

OF REPORT)