

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: P525303

Luminaire Tested: **IFLD-L-SA7D-930-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525303
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-930-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

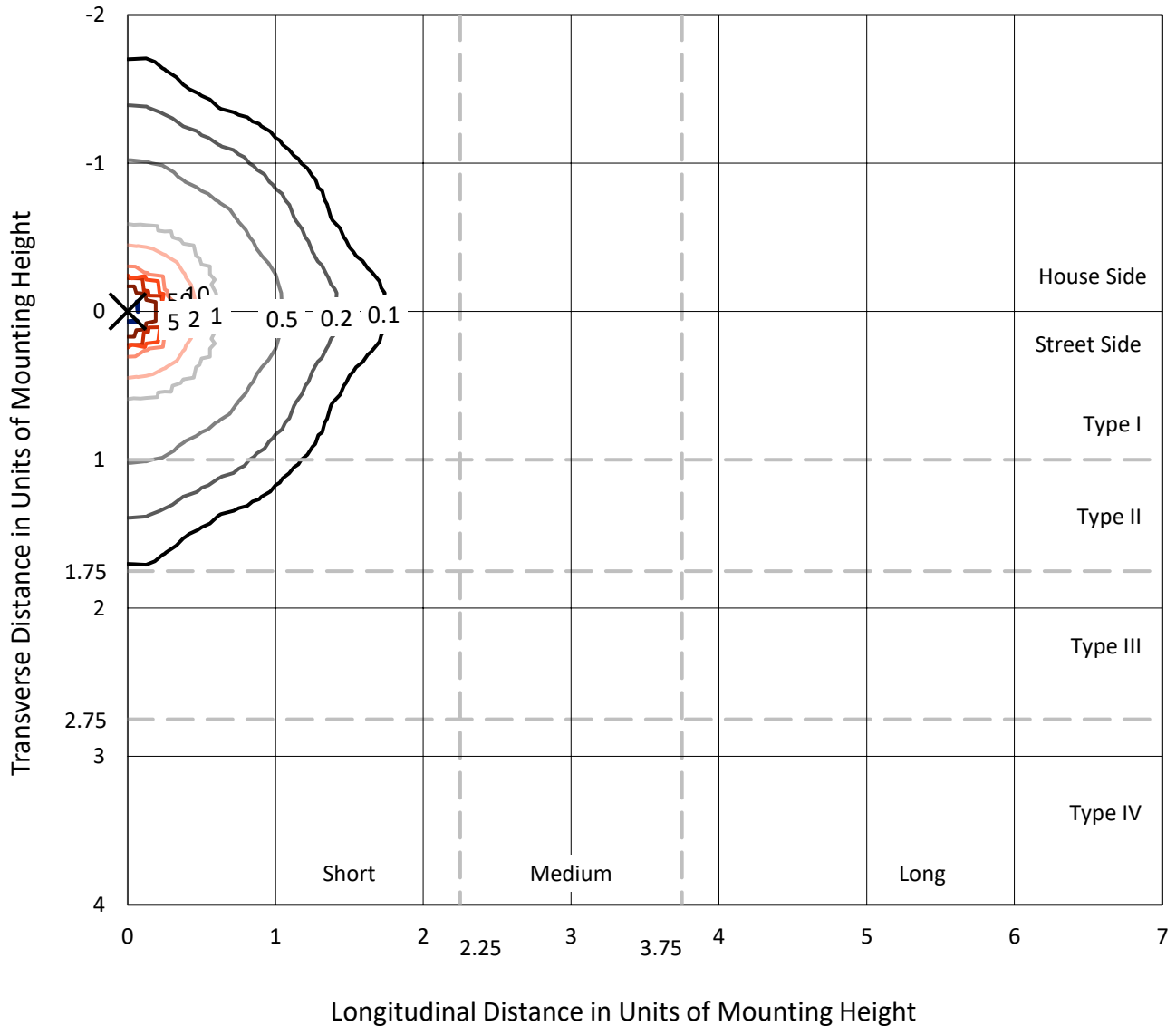
Lumens per Lamp: N/A
Luminaire Lumens: 18015.5 lumens
Efficiency: N/A
Efficacy: 42.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 422.6
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

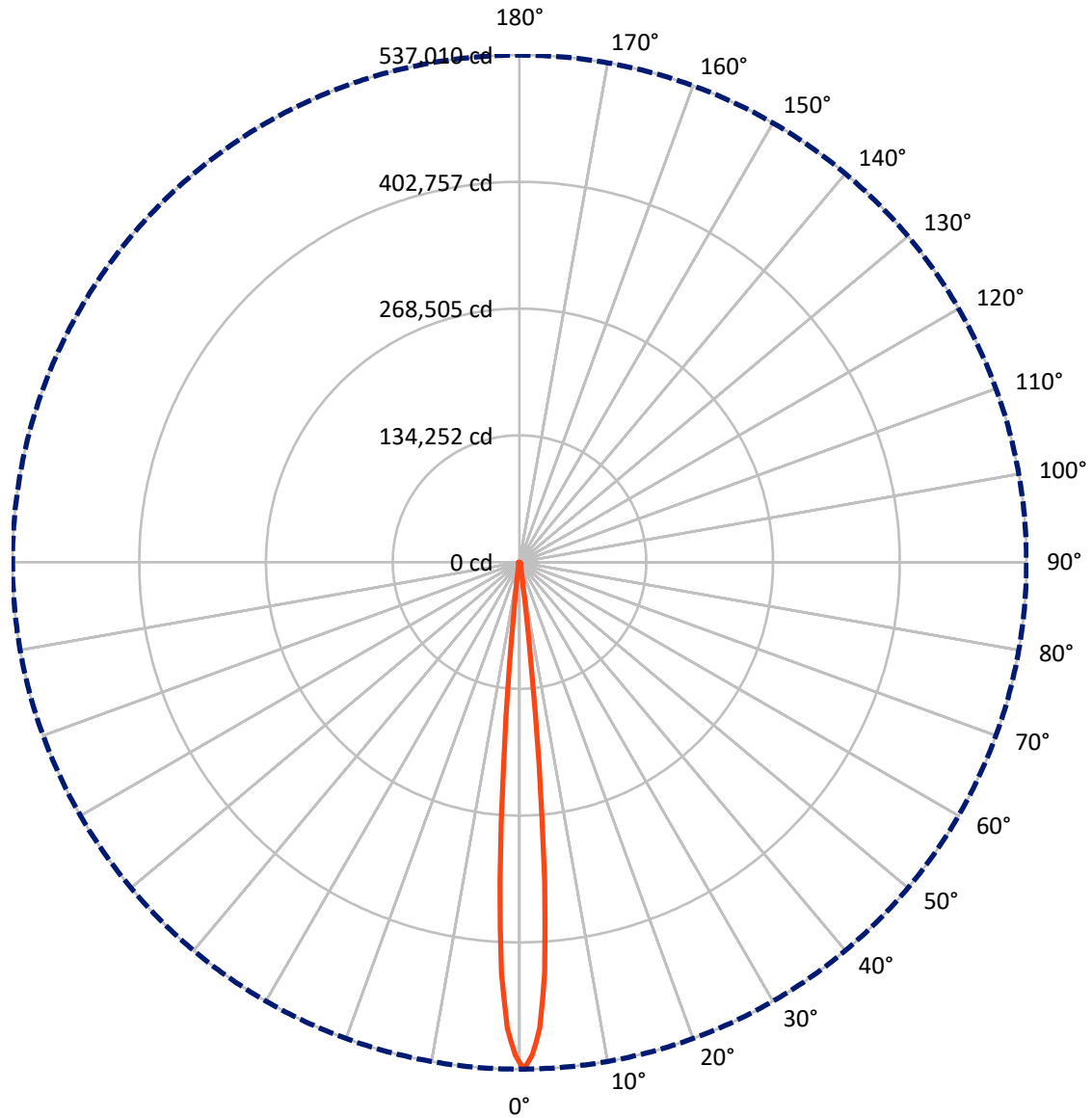
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 859.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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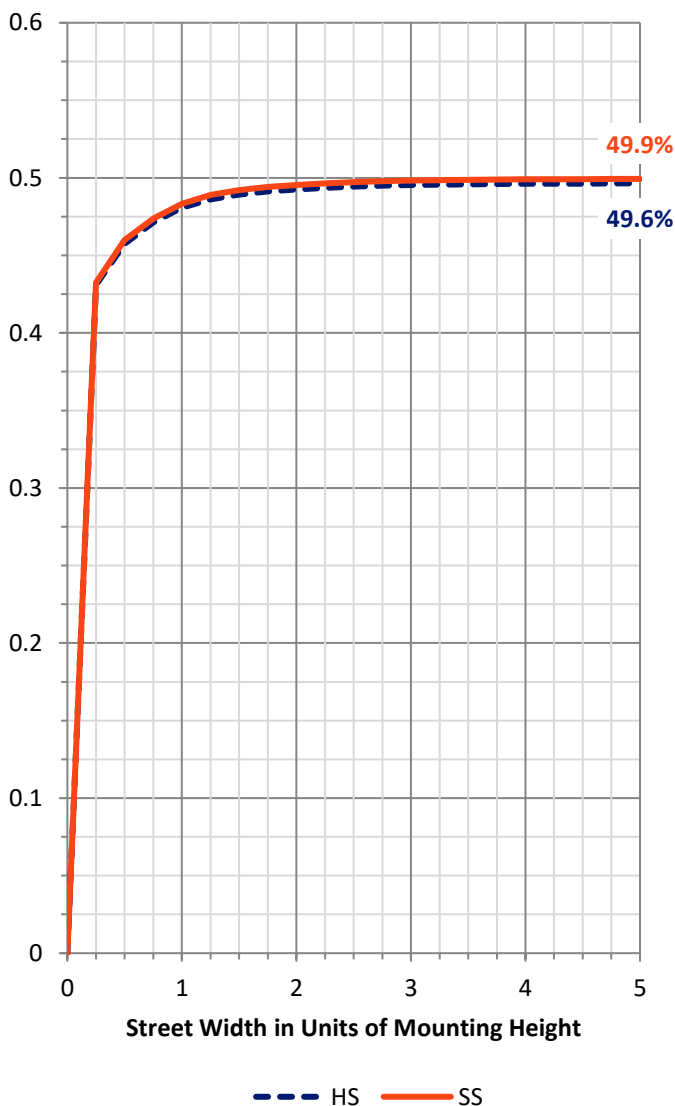
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9007.7	0.0	9007.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9007.7	0.0	9007.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	18015.5	0.0	18015.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13835.8	76.8
10°-20°	1349.5	7.5
20°-30°	721.0	4.0
30°-40°	594.6	3.3
40°-50°	662.1	3.7
50°-60°	445.2	2.5
60°-70°	284.1	1.6
70°-80°	112.2	0.6
80°-90°	11.0	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°	18015.5	100.0
0°-180°	18015.5	100.0

Coefficient of Utilization

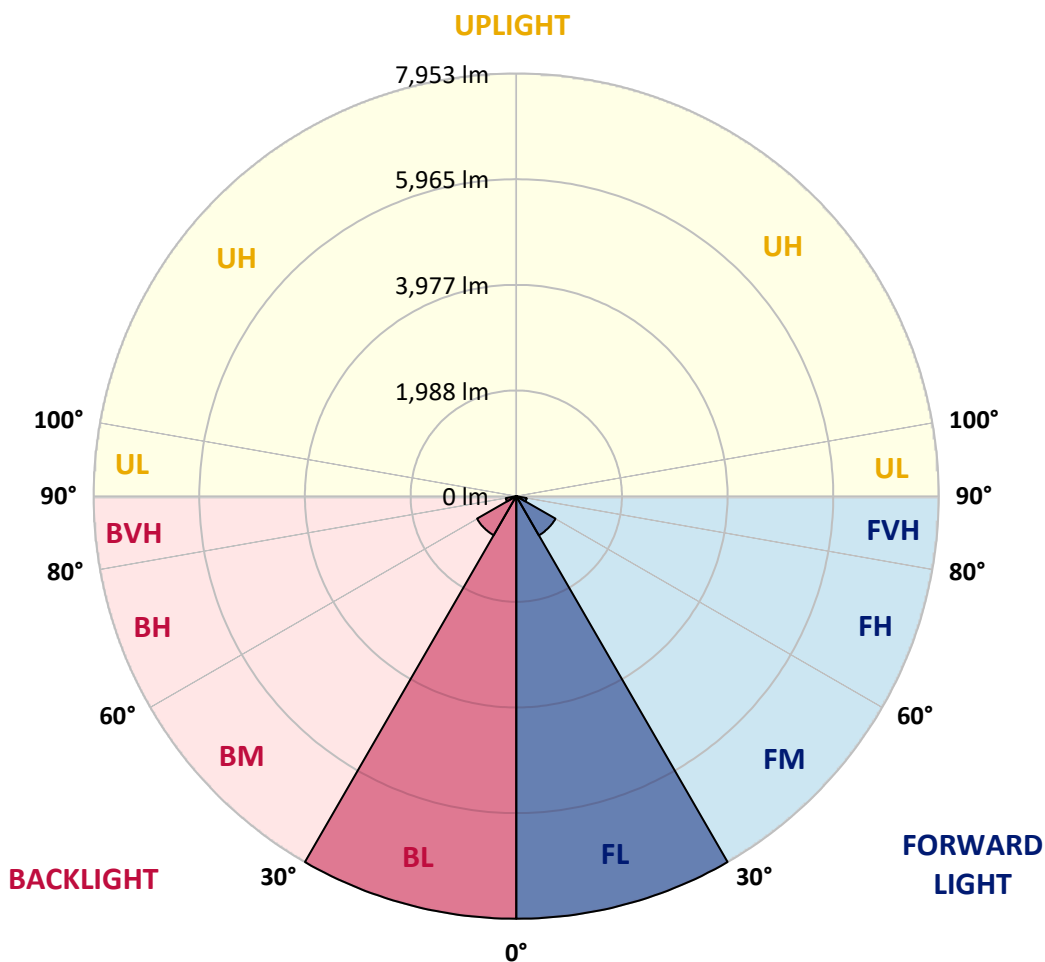


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7953.1	44.1			
FM (30°-60°)	851.0	4.7			
FH (60°-80°)	198.1	1.1			G0/660
FVH (80°-90°)	5.5	0.0			G0/10
BL (0°-30°)	7953.1	44.1	B5		
BM (30°-60°)	851.0	4.7	B1/1000		
BH (60°-80°)	198.1	1.1	B1/500		G0/660
BVH (80°-90°)	5.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	537009.9	537009.9	537009.9	537009.9	537009.9	537009.9	537009.9	537009.9	537009.9	537009.9
1°	522084.9	522992.8	523156.6	522075.5	519318.9	519969.5	519885.2	520030.3	519758.9	518036.6
2°	493816.8	495160.0	493746.6	490713.8	484433.1	482935.4	477932.3	472348.9	466405.1	460447.3
3°	436115.2	438942.0	436924.9	440163.5	427424.2	426137.1	415616.1	401744.2	387685.0	376293.5
4°	338136.2	343359.3	344051.9	354741.4	344276.6	347548.0	335529.4	316256.5	295223.9	279133.6
5°	215535.0	222817.3	226926.5	236951.4	241771.9	254324.1	248469.2	229126.2	204822.1	186312.1
6°	108902.4	112866.5	123907.0	134928.8	147237.6	163894.2	166150.0	149170.5	129827.4	112061.5
7°	50765.6	52403.7	60191.4	62540.9	76614.1	94684.1	97211.4	87902.6	77699.9	63930.9
8°	26232.2	26868.7	29714.3	31460.0	39669.0	50063.6	51837.4	45977.8	41803.1	34876.5
9°	16155.9	16436.7	17503.8	17896.9	20967.1	25591.1	26218.2	23765.8	22633.2	20241.7
10°	11204.3	11354.0	11854.8	11957.8	12982.7	14503.8	14560.0	13755.0	13773.7	13174.6
12.5°	5971.9	6018.7	6159.1	6173.1	6369.7	6528.8	6491.4	6496.0	6575.6	6496.0
15°	3819.0	3842.4	3926.6	3945.4	4048.3	4104.5	4076.4	4071.7	4099.8	4048.3
17.5°	2723.8	2737.9	2798.7	2850.2	2915.7	2934.5	2925.1	2915.7	2915.7	2868.9
20°	2124.8	2143.5	2185.6	2237.1	2269.9	2302.6	2307.3	2302.6	2288.6	2265.2
22.5°	1806.5	1815.9	1829.9	1853.3	1876.7	1890.8	1900.1	1904.8	1900.1	1890.8
25°	1572.5	1581.9	1610.0	1624.0	1624.0	1628.7	1647.4	1656.8	1661.5	1642.7
27.5°	1160.7	1184.1	1226.2	1249.6	1249.6	1259.0	1273.0	1291.7	1310.4	1277.7
30°	898.6	917.3	964.1	964.1	959.4	968.8	982.8	1010.9	1039.0	1001.6
32.5°	809.7	809.7	819.0	823.7	823.7	837.7	847.1	870.5	893.9	884.5
35°	847.1	823.7	795.6	795.6	805.0	833.1	837.7	861.1	884.5	917.3
37.5°	1230.9	1160.7	1057.7	1039.0	1039.0	1071.8	1057.7	1071.8	1113.9	1235.6
40°	1118.6	1062.4	1001.6	917.3	917.3	964.1	931.4	950.1	1048.4	1123.2
42.5°	996.9	996.9	931.4	851.8	851.8	875.2	865.8	875.2	987.5	1048.4
45°	922.0	922.0	903.3	776.9	795.6	809.7	809.7	809.7	959.4	978.2
47.5°	879.9	879.9	833.1	716.1	739.5	744.1	753.5	744.1	861.1	926.7
50°	786.3	795.6	716.1	631.8	659.9	659.9	673.9	655.2	744.1	851.8
52.5°	678.6	688.0	566.3	500.8	533.5	528.9	547.6	519.5	589.7	739.5
55°	603.7	599.1	468.0	407.2	444.6	439.9	449.3	416.5	477.4	636.5
57.5°	524.2	533.5	383.8	332.3	374.4	365.1	379.1	341.7	393.1	566.3
60°	463.3	477.4	327.6	280.8	322.9	313.6	327.6	285.5	337.0	510.1
62.5°	444.6	444.6	290.2	238.7	280.8	271.4	280.8	238.7	299.5	468.0
65°	528.9	500.8	262.1	196.6	238.7	229.3	238.7	196.6	262.1	449.3
67.5°	702.0	669.3	248.0	154.4	191.9	177.8	191.9	159.1	229.3	421.2
70°	365.1	388.5	248.0	121.7	145.1	145.1	140.4	121.7	191.9	308.9
72.5°	210.6	215.3	191.9	93.6	112.3	121.7	107.6	93.6	140.4	229.3
75°	117.0	131.0	121.7	70.2	84.2	93.6	79.6	70.2	98.3	163.8
77.5°	70.2	79.6	70.2	46.8	56.2	51.5	56.2	46.8	65.5	107.6
80°	37.4	37.4	37.4	28.1	28.1	32.8	32.8	28.1	37.4	56.2
82.5°	14.0	14.0	14.0	9.4	14.0	14.0	14.0	18.7	18.7	23.4
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	0.0	0.0	0.0	0.0	0.0	4.7	4.7	4.7	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
537009.9
519735.5
463877.9
380613.3
282863.7
188685.0
113390.7
65597.0
35817.2
20761.2
13450.8
6585.0
4085.8
2883.0
2269.9
1895.5
1642.7
1273.0
992.2
884.5
936.0
1296.4
1193.4
1053.0
973.5
912.6
842.4
720.7
627.1
552.3
496.1
463.3
449.3
416.5
304.2
224.6
145.1
79.6
46.8
23.4
4.7
4.7
0.0

OF REPORT)