

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: P525266

Luminaire Tested: **IFLD-L-SA8A-927-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525266
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-927-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

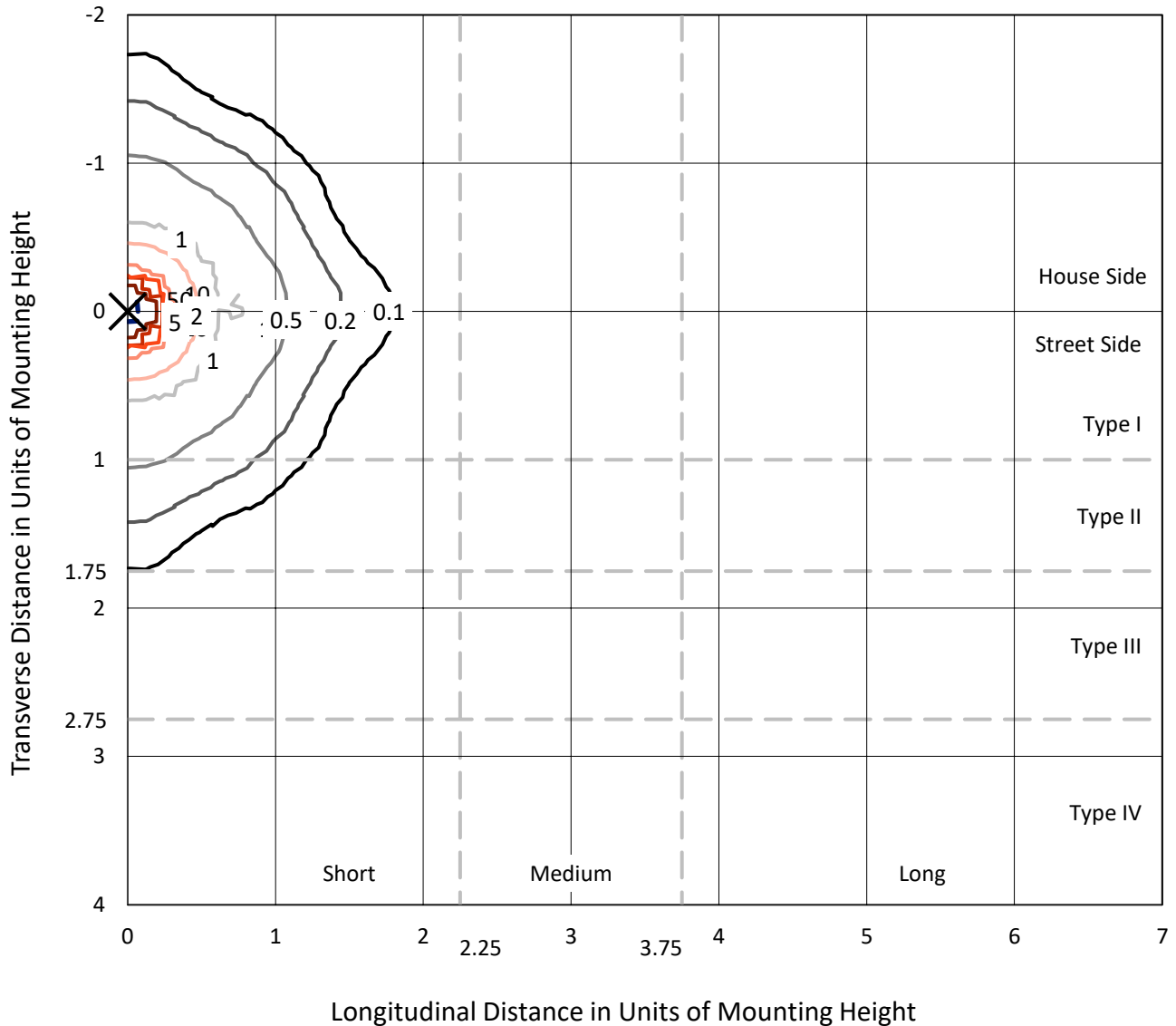
Lumens per Lamp: N/A
Luminaire Lumens: 12310.3 lumens
Efficiency: N/A
Efficacy: 49.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 247.8
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

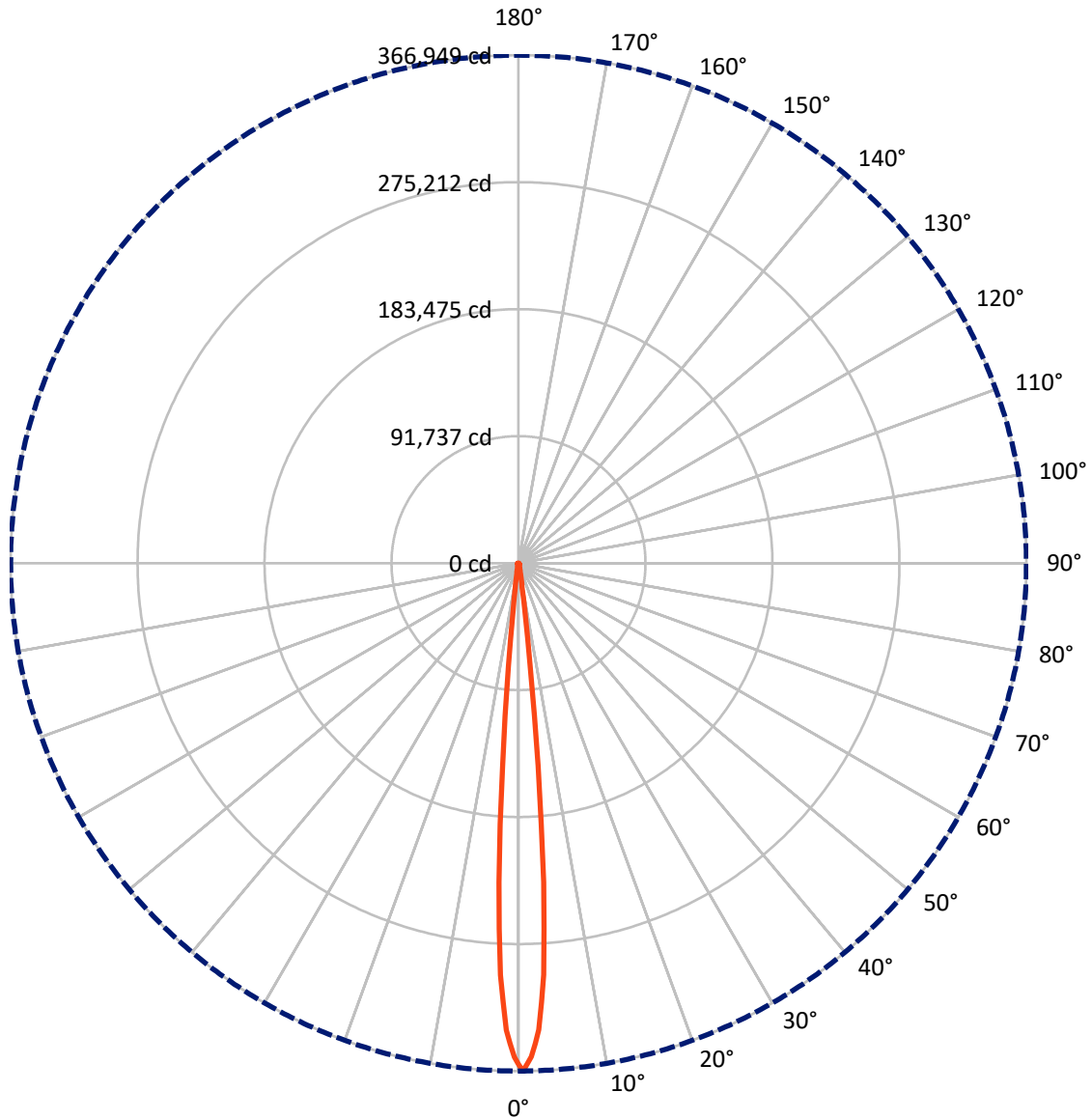
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 917.4 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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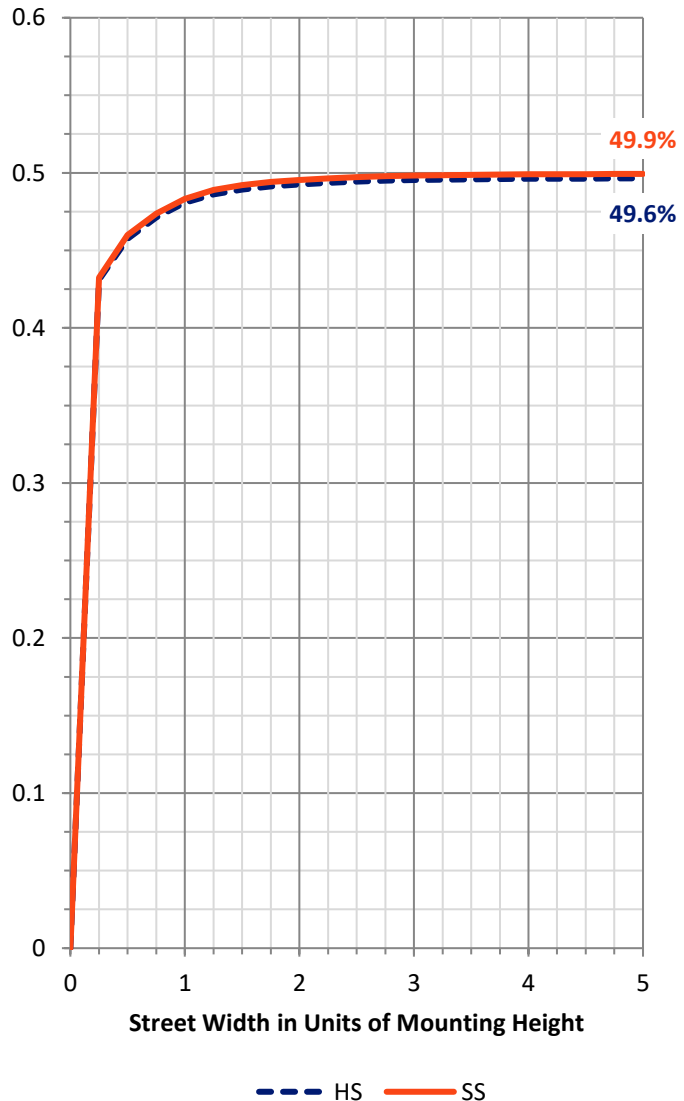
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6155.2	0.0	6155.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6155.2	0.0	6155.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	12310.3	0.0	12310.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9454.3	76.8
10°-20°	922.1	7.5
20°-30°	492.6	4.0
30°-40°	406.3	3.3
40°-50°	452.4	3.7
50°-60°	304.2	2.5
60°-70°	194.1	1.6
70°-80°	76.7	0.6
80°-90°	7.5	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°	12310.3	100.0
0°-180°	12310.3	100.0

Coefficient of Utilization



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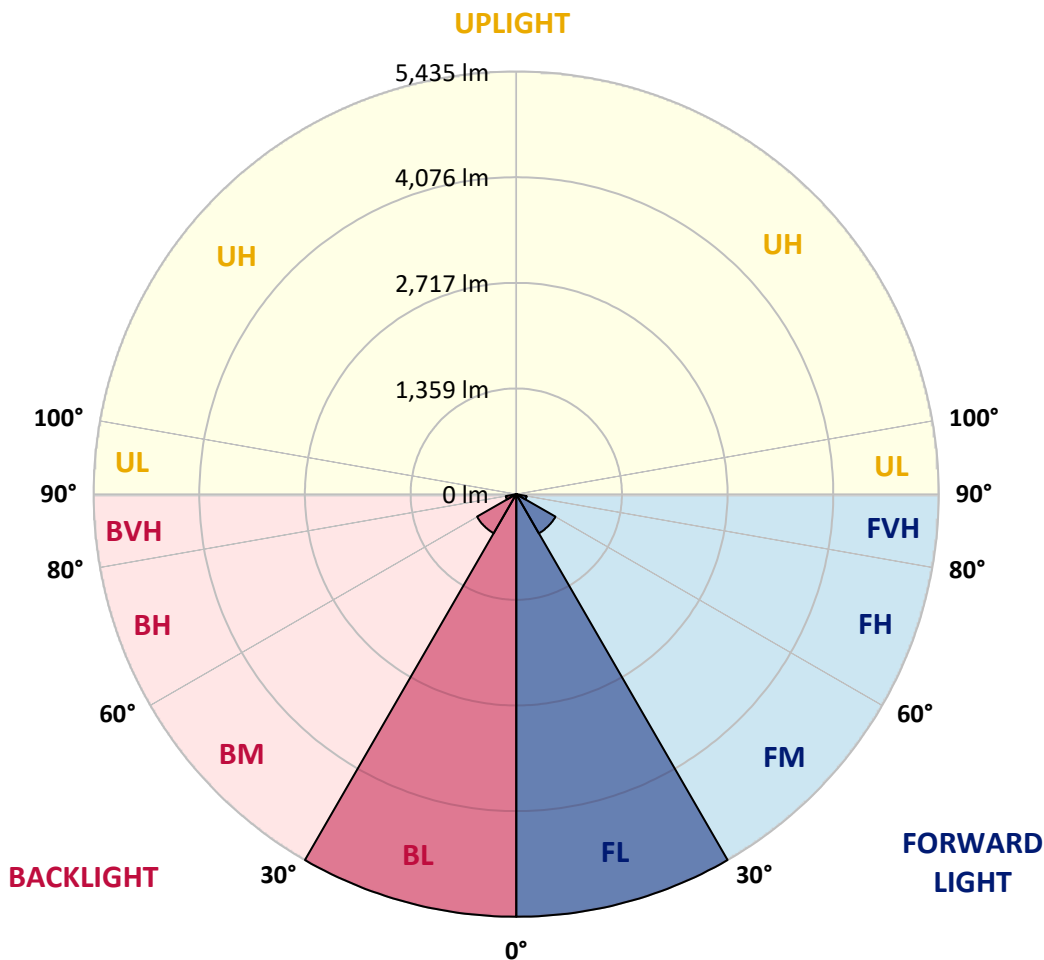
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5434.5	44.1			
FM (30°-60°)	581.5	4.7			
FH (60°-80°)	135.4	1.1			G0/660
FVH (80°-90°)	3.8	0.0			G0/10
BL (0°-30°)	5434.5	44.1	B5		
BM (30°-60°)	581.5	4.7	B1/1000		
BH (60°-80°)	135.4	1.1	B1/500		G0/660
BVH (80°-90°)	3.8	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°	366949.2	366949.2	366949.2	366949.2	366949.2	366949.2	366949.2	366949.2	366949.2	366949.2
1°	356750.7	357371.1	357483.0	356744.3	354860.6	355305.2	355247.6	355346.7	355161.2	353984.4
2°	337434.5	338352.4	337386.6	335314.2	331022.5	329999.1	326580.4	322765.1	318703.6	314632.5
3°	298005.9	299937.5	298559.2	300772.2	292067.2	291187.7	283998.5	274519.5	264912.6	257128.6
4°	231055.0	234624.0	235097.3	242401.6	235250.8	237486.3	229273.7	216104.2	201732.2	190737.4
5°	147279.2	152255.4	155063.2	161913.4	165207.4	173784.6	169783.8	156566.3	139958.9	127310.7
6°	74415.1	77123.9	84668.0	92199.4	100610.3	111992.1	113533.5	101931.0	88713.6	76573.8
7°	34689.1	35808.4	41130.0	42735.4	52351.9	64699.5	66426.4	60065.5	53093.8	43685.2
8°	17925.0	18359.9	20304.3	21497.2	27106.6	34209.4	35421.5	31417.5	28564.9	23831.8
9°	11039.6	11231.5	11960.7	12229.3	14327.2	17486.9	17915.4	16239.6	15465.7	13831.5
10°	7656.1	7758.4	8100.6	8171.0	8871.4	9910.7	9949.1	9399.0	9411.8	9002.5
12.5°	4080.7	4112.7	4208.6	4218.2	4352.5	4461.3	4435.7	4438.9	4493.2	4438.9
15°	2609.6	2625.6	2683.2	2695.9	2766.3	2804.7	2785.5	2782.3	2801.5	2766.3
17.5°	1861.3	1870.9	1912.4	1947.6	1992.4	2005.2	1998.8	1992.4	1992.4	1960.4
20°	1451.9	1464.7	1493.5	1528.7	1551.0	1573.4	1576.6	1573.4	1563.8	1547.9
22.5°	1234.4	1240.8	1250.4	1266.4	1282.4	1292.0	1298.4	1301.6	1298.4	1292.0
25°	1074.5	1080.9	1100.1	1109.7	1109.7	1112.9	1125.7	1132.1	1135.3	1122.5
27.5°	793.1	809.1	837.9	853.9	853.9	860.3	869.9	882.7	895.5	873.1
30°	614.0	626.8	658.8	658.8	655.6	662.0	671.6	690.8	710.0	684.4
32.5°	553.3	553.3	559.7	562.9	562.9	572.4	578.8	594.8	610.8	604.4
35°	578.8	562.9	543.7	543.7	550.1	569.3	572.4	588.4	604.4	626.8
37.5°	841.1	793.1	722.8	710.0	710.0	732.4	722.8	732.4	761.1	844.3
40°	764.3	726.0	684.4	626.8	626.8	658.8	636.4	649.2	716.4	767.5
42.5°	681.2	681.2	636.4	582.0	582.0	598.0	591.6	598.0	674.8	716.4
45°	630.0	630.0	617.2	530.9	543.7	553.3	553.3	553.3	655.6	668.4
47.5°	601.2	601.2	569.3	489.3	505.3	508.5	514.9	508.5	588.4	633.2
50°	537.3	543.7	489.3	431.7	450.9	450.9	460.5	447.7	508.5	582.0
52.5°	463.7	470.1	387.0	342.2	364.6	361.4	374.2	355.0	403.0	505.3
55°	412.5	409.3	319.8	278.2	303.8	300.6	307.0	284.6	326.2	434.9
57.5°	358.2	364.6	262.2	227.1	255.8	249.4	259.0	233.5	268.6	387.0
60°	316.6	326.2	223.9	191.9	220.7	214.3	223.9	195.1	230.3	348.6
62.5°	303.8	303.8	198.3	163.1	191.9	185.5	191.9	163.1	204.7	319.8
65°	361.4	342.2	179.1	134.3	163.1	156.7	163.1	134.3	179.1	307.0
67.5°	479.7	457.3	169.5	105.5	131.1	121.5	131.1	108.7	156.7	287.8
70°	249.4	265.4	169.5	83.1	99.1	99.1	95.9	83.1	131.1	211.1
72.5°	143.9	147.1	131.1	64.0	76.8	83.1	73.6	64.0	95.9	156.7
75°	80.0	89.5	83.1	48.0	57.6	64.0	54.4	48.0	67.2	111.9
77.5°	48.0	54.4	48.0	32.0	38.4	35.2	38.4	32.0	44.8	73.6
80°	25.6	25.6	25.6	19.2	19.2	22.4	22.4	19.2	25.6	38.4
82.5°	9.6	9.6	9.6	6.4	9.6	9.6	9.6	12.8	12.8	16.0
85°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
366949.2
355145.3
316976.7
260080.4
193286.2
128932.1
77482.1
44823.7
24474.6
14186.5
9191.2
4499.6
2791.9
1970.0
1551.0
1295.2
1122.5
869.9
678.0
604.4
639.6
885.9
815.5
719.6
665.2
623.6
575.6
492.5
428.5
377.4
339.0
316.6
307.0
284.6
207.9
153.5
99.1
54.4
32.0
16.0
3.2
3.2
0.0

OF REPORT)