

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: P524370

Luminaire Tested: **IFLD-L-SA8B-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524370
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26298.7 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 320
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

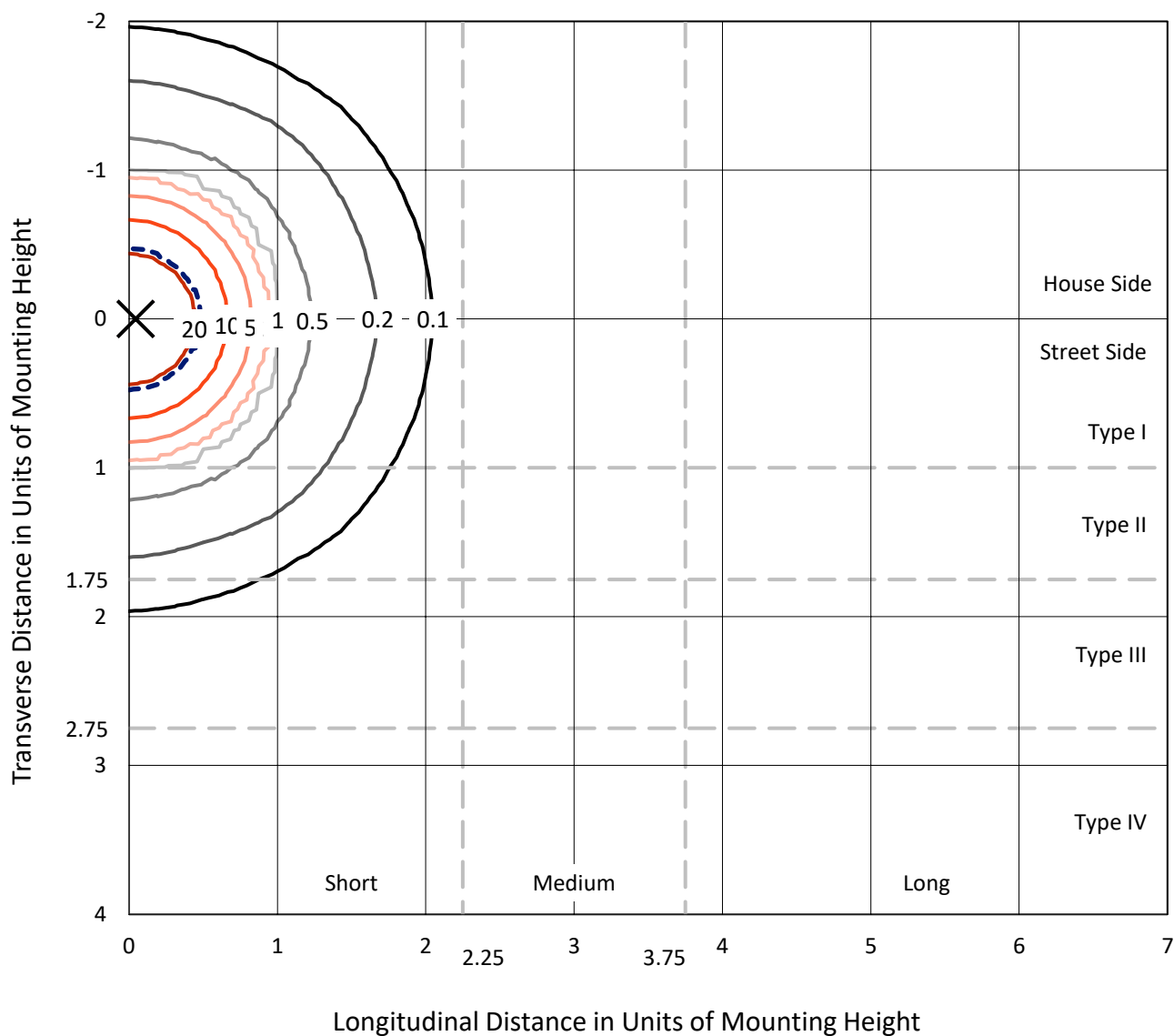
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

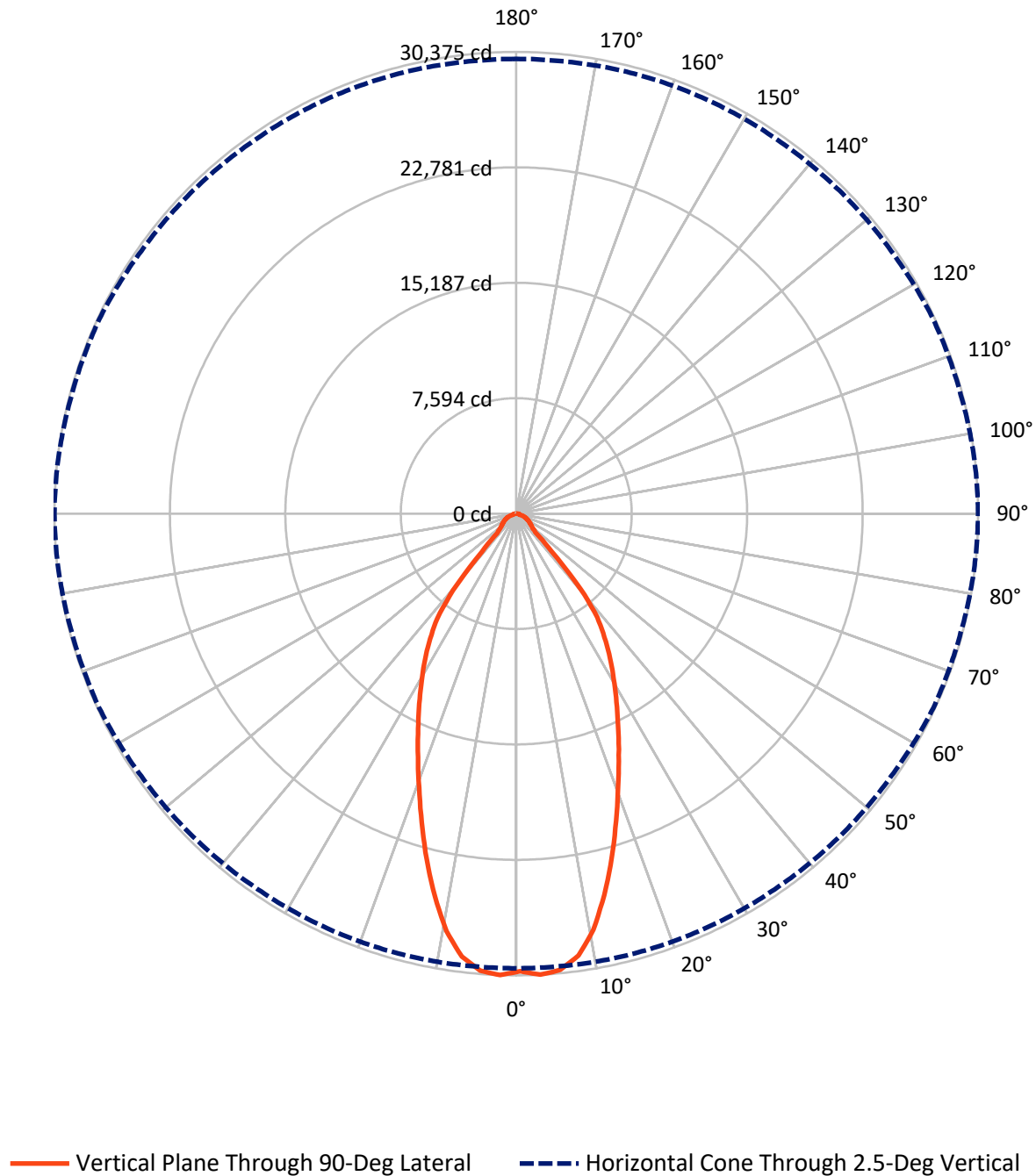


Based on 25 foot mounting height. Maximum calculated value = 48.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13149.4	0.0	13149.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13149.4	0.0	13149.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	26298.7	0.0	26298.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2775.2	10.6
10°-20°	6406.2	24.4
20°-30°	7033.4	26.7
30°-40°	6098.5	23.2
40°-50°	2006.7	7.6
50°-60°	899.7	3.4
60°-70°	635.9	2.4
70°-80°	345.3	1.3
80°-90°	97.9	0.4
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°	26298.7	100.0
0°-180°	26298.7	100.0

Coefficient of Utilization



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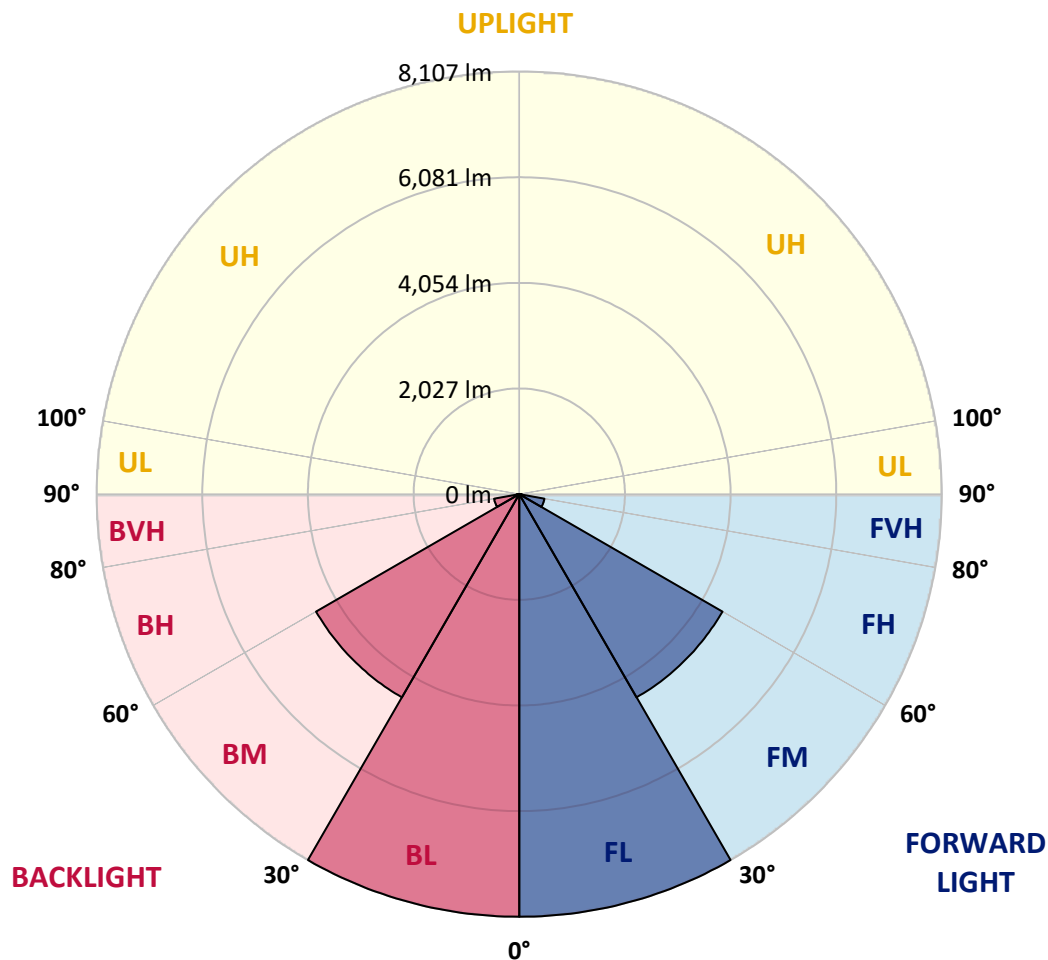
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8107.4	30.8			
FM	(30°-60°)	4502.4	17.1			
FH	(60°-80°)	490.6	1.9			G0/660
FVH	(80°-90°)	49.0	0.2			G1/100
BL	(0°-30°)	8107.4	30.8	B5		
BM	(30°-60°)	4502.4	17.1	B3/5000		
BH	(60°-80°)	490.6	1.9	B1/500		G0/660
BVH	(80°-90°)	49.0	0.2			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	30103.8	30103.8	30103.8	30103.8	30103.8	30103.8	30103.8	30103.8	30103.8	30103.8
2.5°	29916.6	29912.6	29960.4	29984.3	29996.3	30052.0	30107.8	30255.3	30259.2	30346.9
5°	29876.7	29840.9	29872.7	29824.9	29836.9	29836.9	29908.6	30016.2	30056.0	30143.7
7.5°	28988.1	28980.2	28960.3	28908.5	28972.2	28928.4	29059.9	29155.5	29247.1	29291.0
10°	27330.5	27254.8	27254.8	27183.1	27246.9	27187.1	27402.3	27489.9	27645.3	27737.0
12.5°	25186.8	25154.9	25158.9	25127.0	25123.1	25039.4	25290.4	25366.1	25505.6	25641.1
15°	22899.6	22851.8	22895.7	22895.7	22859.8	22784.1	23051.1	23154.7	23357.9	23421.6
17.5°	20640.4	20620.4	20648.3	20660.3	20632.4	20560.7	20819.7	21046.8	21186.2	21186.2
20°	18568.4	18560.4	18596.2	18560.4	18532.5	18484.7	18723.8	18942.9	19066.4	19074.4
22.5°	16747.4	16791.2	16759.3	16715.5	16655.7	16619.9	16839.0	17042.2	17125.9	17209.6
25°	15149.5	15161.5	15185.4	15117.7	15045.9	15002.1	15165.5	15336.8	15468.3	15516.1
27.5°	13834.6	13878.4	13818.7	13715.1	13675.2	13623.4	13739.0	13862.5	13958.1	14025.9
30°	12555.6	12579.5	12591.4	12483.8	12388.2	12312.5	12408.1	12515.7	12551.6	12611.3
32.5°	11328.3	11368.1	11408.0	11276.5	11208.7	11137.0	11184.8	11252.6	11272.5	11276.5
35°	10105.0	10077.1	10041.3	9993.4	9941.6	9854.0	9901.8	9925.7	9941.6	9941.6
37.5°	8626.7	8650.6	8658.6	8566.9	8543.0	8483.3	8515.1	8519.1	8551.0	8570.9
40°	6526.8	6610.5	6554.7	6498.9	6506.9	6435.2	6423.2	6407.3	6479.0	6506.9
42.5°	3550.3	3693.7	3546.3	3594.1	3558.3	3518.4	3506.5	3526.4	3434.7	3359.0
45°	1785.1	1777.1	1809.0	1809.0	1840.9	1852.9	1825.0	1801.1	1789.1	1757.2
47.5°	1438.4	1414.5	1410.6	1430.5	1454.4	1470.3	1446.4	1434.5	1430.5	1450.4
50°	1235.2	1199.4	1187.4	1215.3	1235.2	1251.2	1231.2	1231.2	1227.3	1259.1
52.5°	1075.8	1040.0	1040.0	1095.8	1111.7	1127.6	1115.7	1115.7	1115.7	1151.6
55°	952.3	924.4	892.6	964.3	1016.1	1032.0	1024.0	1020.1	1024.0	1063.9
57.5°	856.7	840.8	820.8	836.8	916.5	936.4	932.4	932.4	940.4	972.2
60°	765.0	757.1	749.1	749.1	812.9	848.7	844.7	844.7	852.7	872.6
62.5°	681.4	673.4	665.4	673.4	697.3	753.1	753.1	757.1	769.0	777.0
65°	597.7	593.7	593.7	597.7	605.7	649.5	665.4	677.4	689.3	693.3
67.5°	518.0	514.0	518.0	526.0	526.0	545.9	581.8	593.7	605.7	605.7
70°	418.4	438.3	450.3	454.2	462.2	466.2	498.1	522.0	533.9	518.0
72.5°	227.1	259.0	390.5	402.4	406.4	410.4	434.3	462.2	470.2	306.8
75°	163.4	163.4	326.7	346.7	350.6	350.6	370.6	398.5	406.4	235.1
77.5°	107.6	103.6	227.1	251.0	286.9	231.1	302.8	334.7	342.7	195.2
80°	83.7	79.7	175.3	195.2	199.2	159.4	247.0	271.0	274.9	159.4
82.5°	63.8	59.8	127.5	143.4	155.4	103.6	175.3	207.2	215.2	139.5
85°	35.9	35.9	63.8	59.8	91.6	67.7	99.6	103.6	139.5	87.7
87.5°	12.0	15.9	27.9	27.9	31.9	27.9	39.8	39.8	43.8	31.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

30103.8
30374.8
30159.6
29362.7
27836.6
25732.7
23509.3
21238.0
19118.2
17257.4
15548.0
14045.8
12623.3
11324.3
9989.5
8654.6
6542.8
3394.9
1785.1
1466.3
1299.0
1191.4
1087.8
996.2
888.6
789.0
701.3
605.7
458.2
263.0
231.1
191.3
143.4
143.4
83.7
23.9
0.0