

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: P524293

Luminaire Tested: **IFLD-L-SA8C-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524293
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31213 lumens
Efficiency: N/A
Efficacy: 74.3 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): 420.3
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

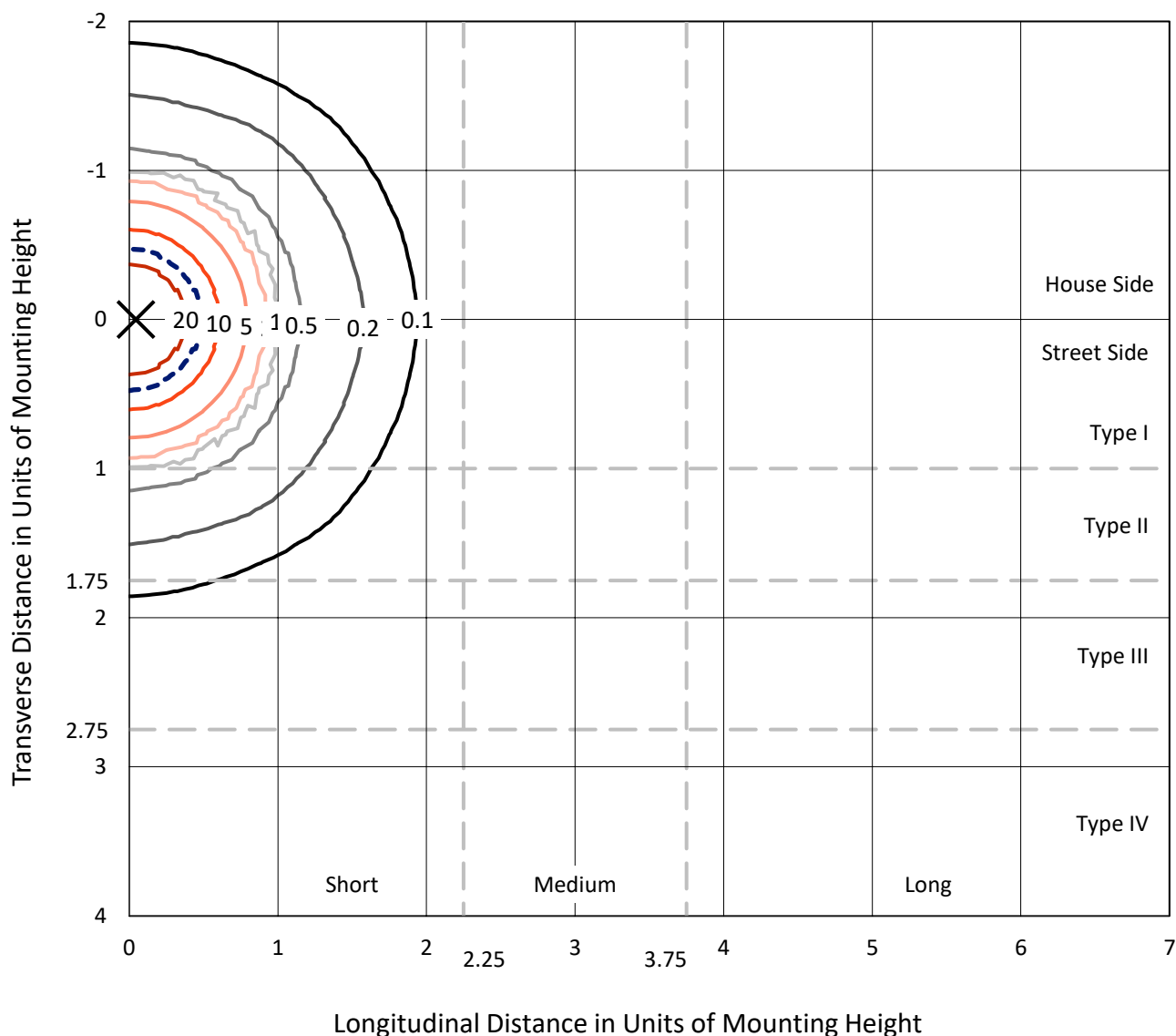
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

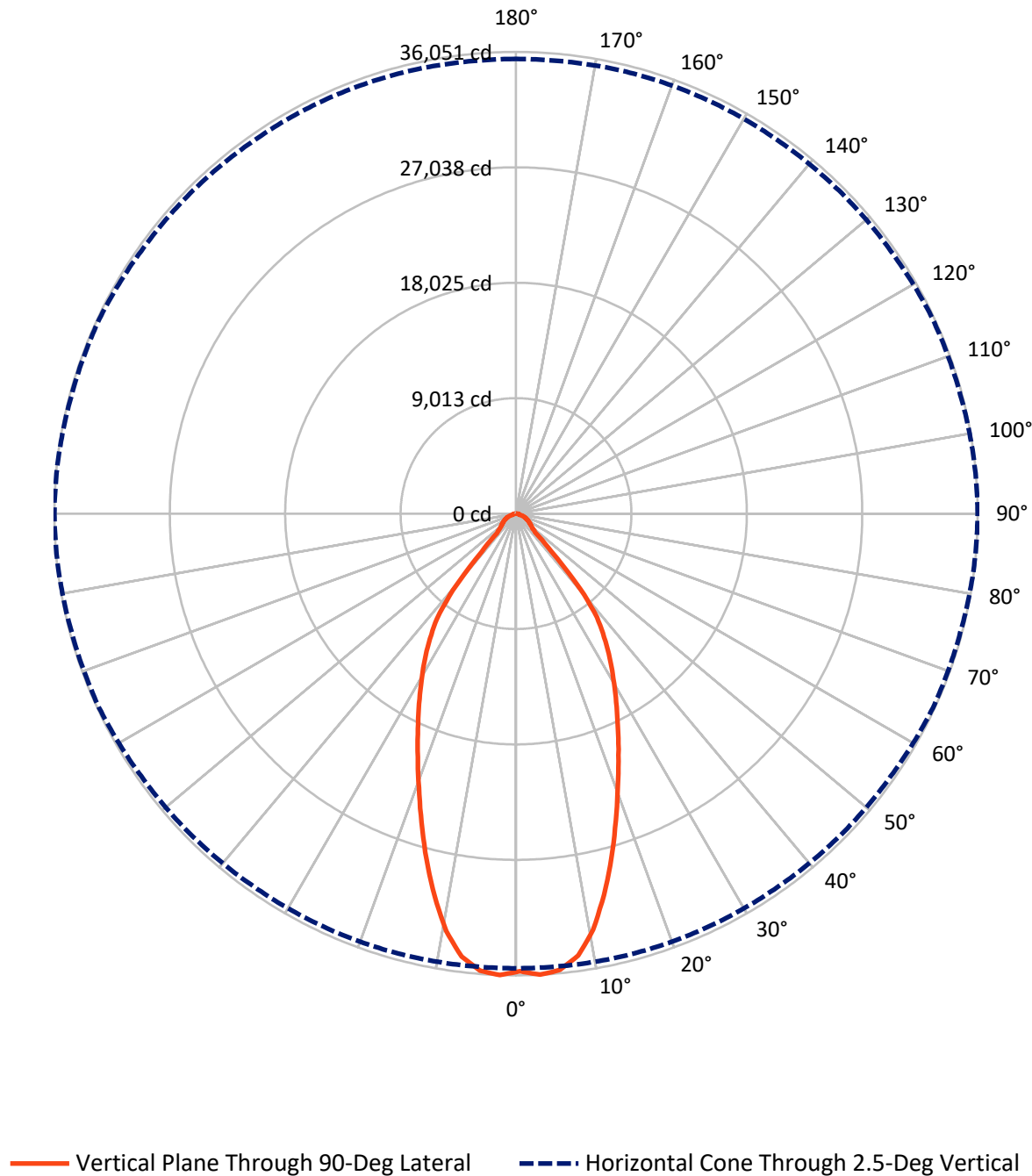


Based on 30 foot mounting height. Maximum calculated value = 39.7 fc

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	15606.5	0.0	15606.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15606.5	0.0	15606.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31213.0	0.0	31213.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3293.7	10.6
10°-20°	7603.2	24.4
20°-30°	8347.7	26.7
30°-40°	7238.1	23.2
40°-50°	2381.6	7.6
50°-60°	1067.8	3.4
60°-70°	754.8	2.4
70°-80°	409.8	1.3
80°-90°	116.2	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°	31213.0	100.0
0°-180°	31213.0	100.0

Coefficient of Utilization



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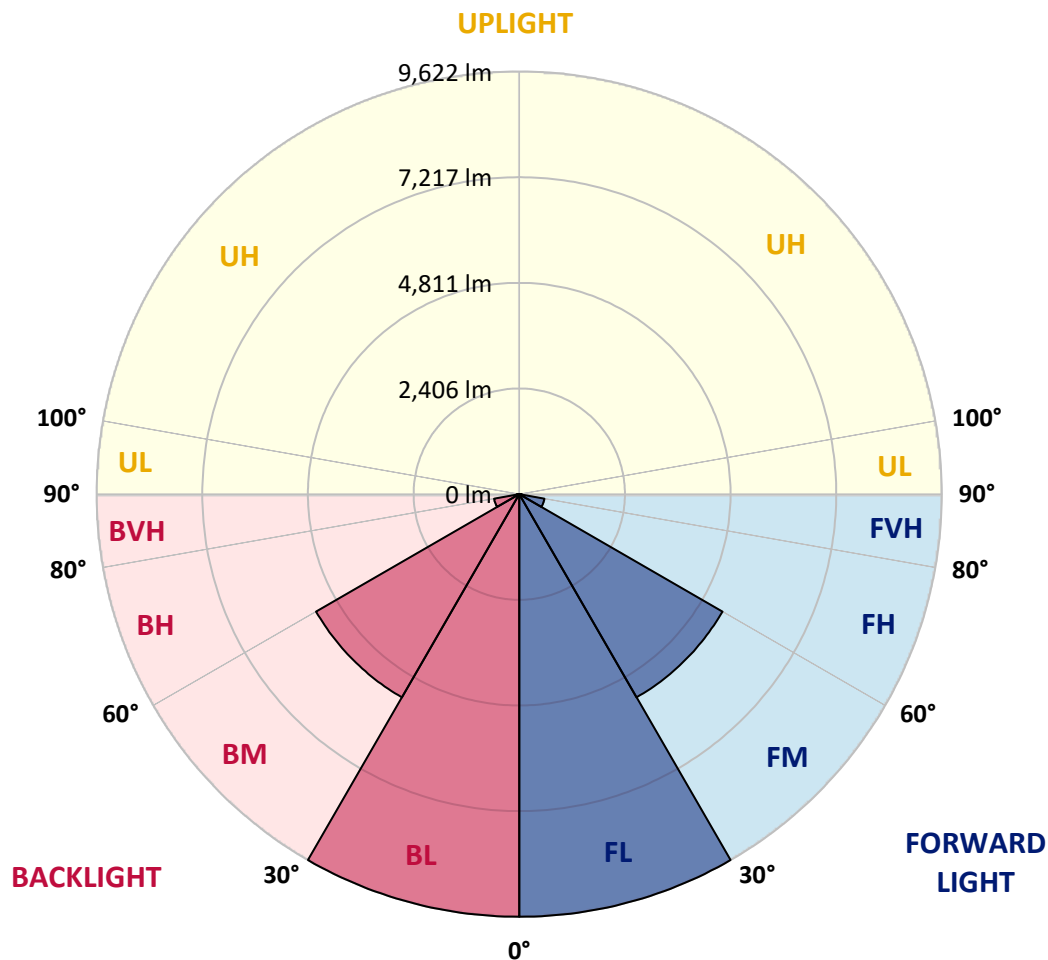
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9622.3	30.8			
FM	(30°-60°)	5343.8	17.1			
FH	(60°-80°)	582.3	1.9			G0/660
FVH	(80°-90°)	58.1	0.2			G1/100
BL	(0°-30°)	9622.3	30.8	B5		
BM	(30°-60°)	5343.8	17.1	B4/8500		
BH	(60°-80°)	582.3	1.9	B2/1000		G0/660
BVH	(80°-90°)	58.1	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°	35729.1	35729.1	35729.1	35729.1	35729.1	35729.1	35729.1	35729.1	35729.1	35729.1
2.5°	35506.8	35502.1	35558.8	35587.2	35601.4	35667.6	35733.8	35908.8	35913.5	36017.6
5°	35459.5	35417.0	35454.8	35398.0	35412.2	35412.2	35497.4	35625.0	35672.3	35776.4
7.5°	34404.9	34395.5	34371.8	34310.3	34386.0	34334.0	34490.0	34603.5	34712.3	34764.3
10°	32437.6	32347.7	32347.7	32262.6	32338.3	32267.3	32522.7	32626.7	32811.2	32919.9
12.5°	29893.3	29855.4	29860.2	29822.3	29817.6	29718.3	30016.2	30106.1	30271.6	30432.4
15°	27178.7	27122.0	27174.0	27174.0	27131.4	27041.6	27358.4	27481.4	27722.6	27798.2
17.5°	24497.2	24473.6	24506.7	24520.9	24487.8	24402.7	24710.1	24979.6	25145.1	25145.1
20°	22038.1	22028.6	22071.2	22028.6	21995.5	21938.7	22222.5	22482.6	22629.2	22638.7
22.5°	19876.8	19928.8	19891.0	19839.0	19768.0	19725.5	19985.6	20226.8	20326.1	20425.4
25°	17980.4	17994.6	18023.0	17942.6	17857.5	17805.4	17999.3	18202.7	18358.7	18415.5
27.5°	16419.8	16471.8	16400.9	16277.9	16230.6	16169.1	16306.3	16452.9	16566.4	16646.8
30°	14901.7	14930.1	14944.3	14816.6	14703.1	14613.2	14726.7	14854.4	14897.0	14967.9
32.5°	13445.1	13492.4	13539.7	13383.6	13303.2	13218.1	13274.9	13355.3	13378.9	13383.6
35°	11993.2	11960.1	11917.6	11860.8	11799.3	11695.3	11752.1	11780.4	11799.3	11799.3
37.5°	10238.7	10267.1	10276.5	10167.8	10139.4	10068.5	10106.3	10111.0	10148.9	10172.5
40°	7746.4	7845.7	7779.5	7713.3	7722.8	7637.7	7623.5	7604.6	7689.7	7722.8
42.5°	4213.7	4384.0	4209.0	4265.7	4223.2	4175.9	4161.7	4185.3	4076.6	3986.7
45°	2118.7	2109.2	2147.1	2147.1	2184.9	2199.1	2166.0	2137.6	2123.4	2085.6
47.5°	1707.2	1678.9	1674.1	1697.8	1726.2	1745.1	1716.7	1702.5	1697.8	1721.4
50°	1466.1	1423.5	1409.3	1442.4	1466.1	1485.0	1461.3	1461.3	1456.6	1494.4
52.5°	1276.9	1234.3	1234.3	1300.5	1319.4	1338.4	1324.2	1324.2	1324.2	1366.7
55°	1130.3	1097.2	1059.3	1144.5	1205.9	1224.9	1215.4	1210.7	1215.4	1262.7
57.5°	1016.8	997.9	974.2	993.1	1087.7	1111.4	1106.6	1106.6	1116.1	1153.9
60°	908.0	898.5	889.1	889.1	964.8	1007.3	1002.6	1002.6	1012.0	1035.7
62.5°	808.7	799.2	789.8	799.2	827.6	893.8	893.8	898.5	912.7	922.2
65°	709.4	704.7	704.7	709.4	718.8	770.9	789.8	804.0	818.2	822.9
67.5°	614.8	610.1	614.8	624.3	624.3	647.9	690.5	704.7	718.8	718.8
70°	496.6	520.2	534.4	539.1	548.6	553.3	591.1	619.5	633.7	614.8
72.5°	269.6	307.4	463.5	477.6	482.4	487.1	515.5	548.6	558.0	364.1
75°	193.9	193.9	387.8	411.4	416.2	416.2	439.8	472.9	482.4	279.0
77.5°	127.7	123.0	269.6	297.9	340.5	274.3	359.4	397.3	406.7	231.7
80°	99.3	94.6	208.1	231.7	236.5	189.2	293.2	321.6	326.3	189.2
82.5°	75.7	70.9	151.3	170.3	184.4	123.0	208.1	245.9	255.4	165.5
85°	42.6	42.6	75.7	70.9	108.8	80.4	118.2	123.0	165.5	104.0
87.5°	14.2	18.9	33.1	33.1	37.8	33.1	47.3	47.3	52.0	37.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

35729.1
36050.7
35795.3
34849.5
33038.2
30541.2
27902.3
25206.6
22690.7
20482.2
18453.3
16670.4
14982.1
13440.4
11856.1
10271.8
7765.3
4029.3
2118.7
1740.3
1541.7
1414.0
1291.1
1182.3
1054.6
936.4
832.3
718.8
543.9
312.1
274.3
227.0
170.3
170.3
99.3
28.4
0.0