

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: P524332

Luminaire Tested: **IFLD-L-SA8C-930-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524332
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31555 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

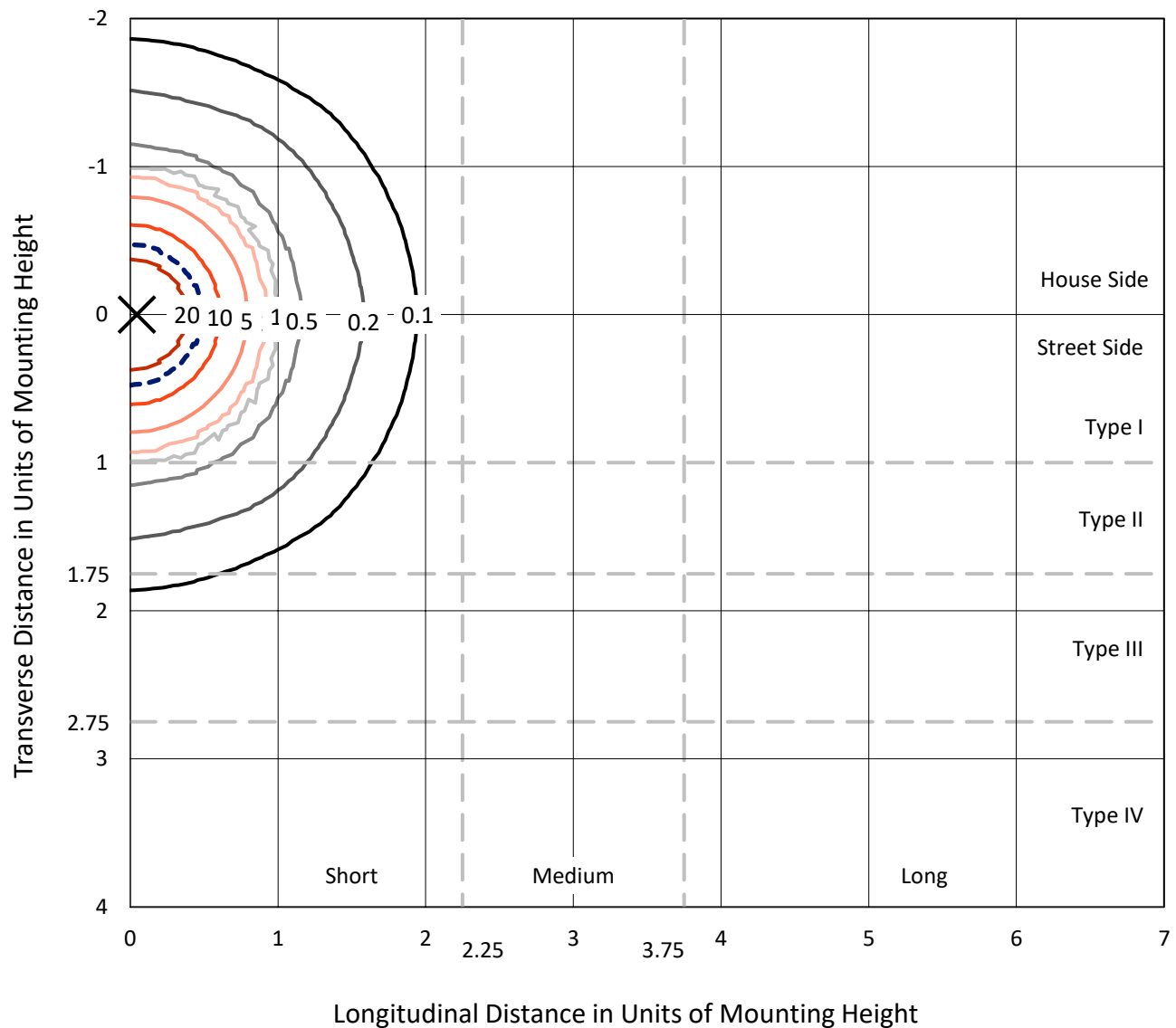
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

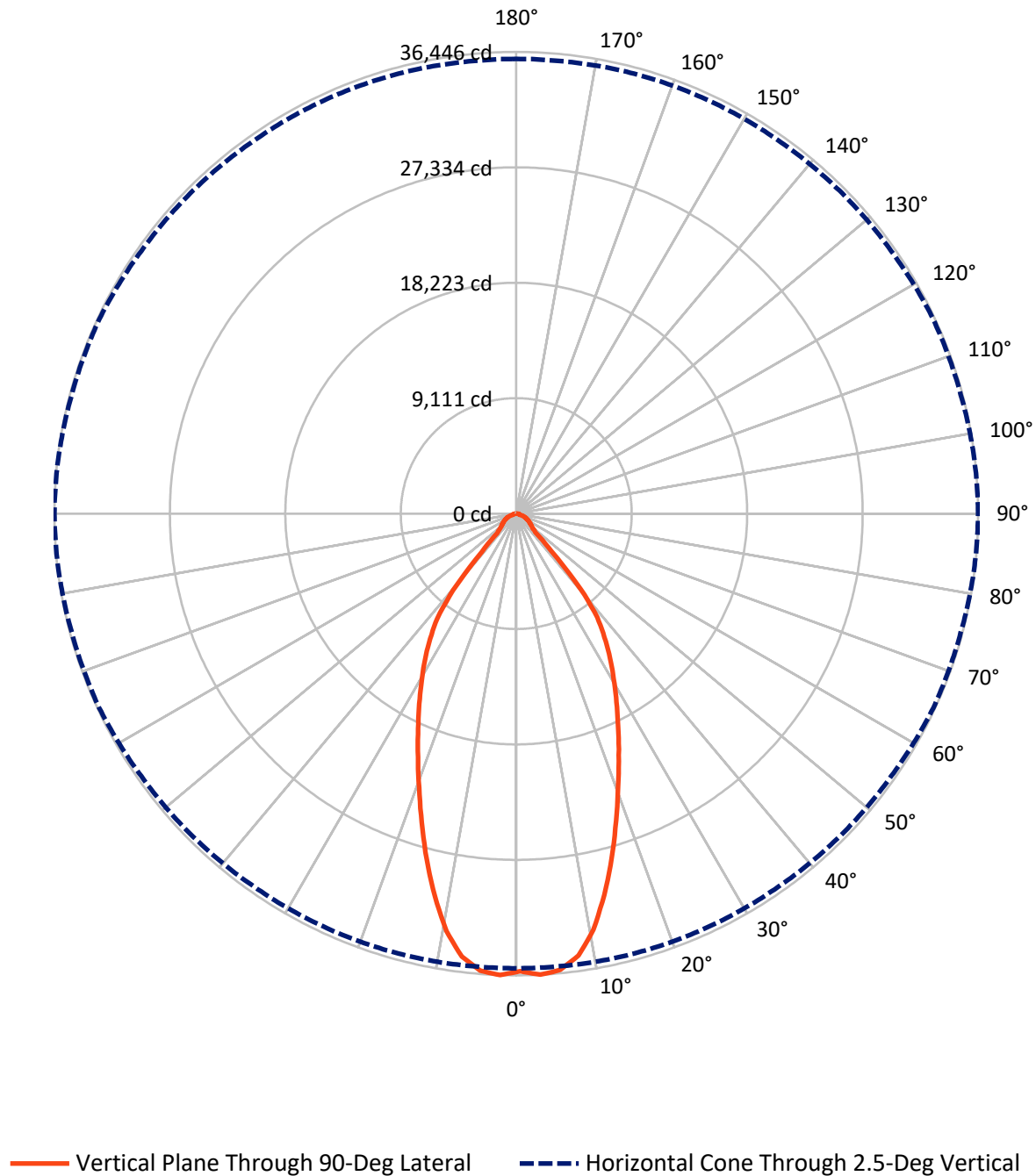


Based on 30 foot mounting height. Maximum calculated value = 40.1 fc

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	15777.5	0.0	15777.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15777.5	0.0	15777.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31555.0	0.0	31555.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3329.8	10.6
10°-20°	7686.6	24.4
20°-30°	8439.2	26.7
30°-40°	7317.4	23.2
40°-50°	2407.7	7.6
50°-60°	1079.5	3.4
60°-70°	763.0	2.4
70°-80°	414.3	1.3
80°-90°	117.5	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°	31555.0	100.0
0°-180°	31555.0	100.0

Coefficient of Utilization



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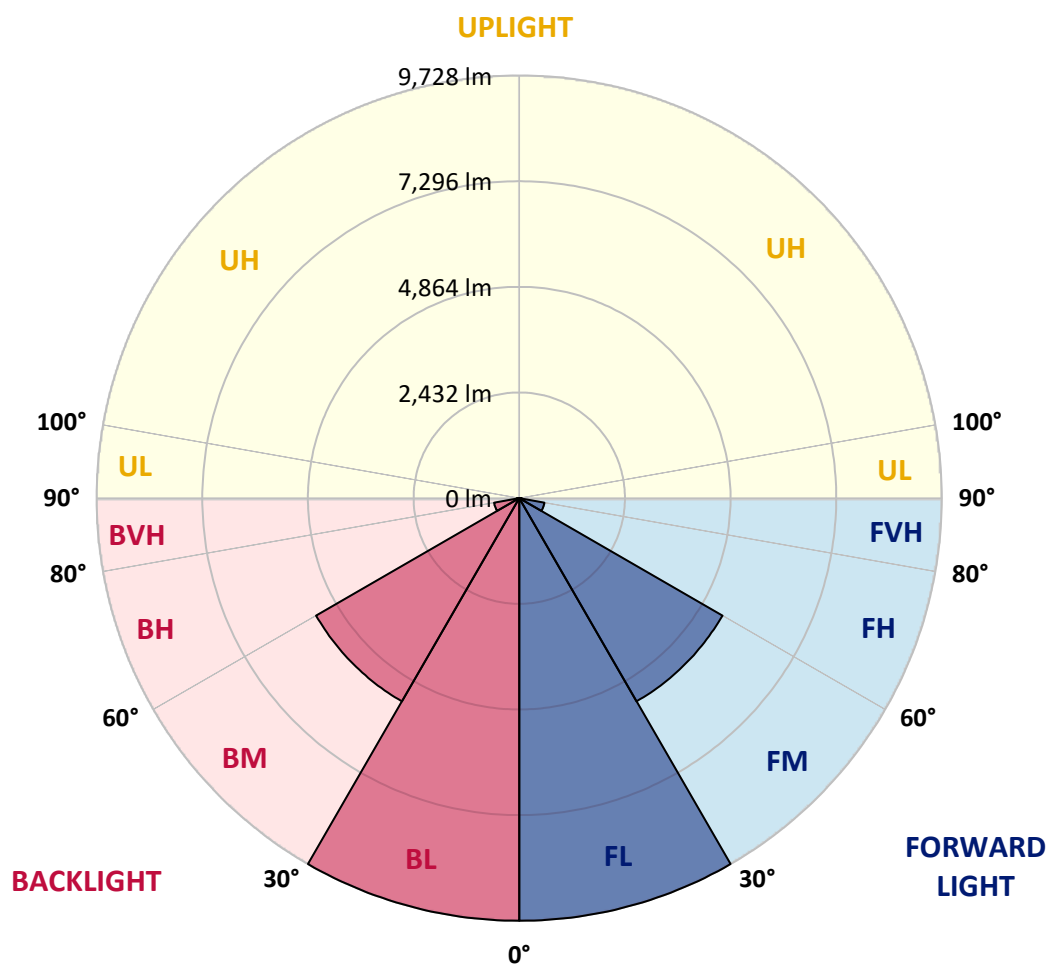
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9727.8	30.8			
FM	(30°-60°)	5402.3	17.1			
FH	(60°-80°)	588.7	1.9			G0/660
FVH	(80°-90°)	58.7	0.2			G1/100
BL	(0°-30°)	9727.8	30.8	B5		
BM	(30°-60°)	5402.3	17.1	B4/8500		
BH	(60°-80°)	588.7	1.9	B2/1000		G0/660
BVH	(80°-90°)	58.7	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°	36120.6	36120.6	36120.6	36120.6	36120.6	36120.6	36120.6	36120.6	36120.6	36120.6
2.5°	35895.9	35891.1	35948.5	35977.2	35991.5	36058.4	36125.4	36302.3	36307.1	36412.2
5°	35848.1	35805.1	35843.3	35785.9	35800.3	35800.3	35886.3	36015.4	36063.2	36168.4
7.5°	34781.9	34772.4	34748.4	34686.3	34762.8	34710.2	34868.0	34982.7	35092.7	35145.3
10°	32793.0	32702.2	32702.2	32616.1	32692.6	32620.9	32879.1	32984.2	33170.7	33280.7
12.5°	30220.8	30182.6	30187.4	30149.1	30144.3	30043.9	30345.1	30436.0	30603.3	30765.9
15°	27476.5	27419.1	27471.7	27471.7	27428.7	27337.9	27658.2	27782.5	28026.3	28102.8
17.5°	24765.7	24741.8	24775.2	24789.6	24756.1	24670.1	24980.8	25253.3	25420.7	25420.7
20°	22279.5	22270.0	22313.0	22270.0	22236.5	22179.1	22466.0	22729.0	22877.2	22886.7
22.5°	20094.6	20147.2	20109.0	20056.4	19984.7	19941.6	20204.6	20448.4	20548.8	20649.2
25°	18177.4	18191.8	18220.5	18139.2	18053.1	18000.5	18196.6	18402.1	18559.9	18617.3
27.5°	16599.7	16652.3	16580.6	16456.3	16408.5	16346.3	16485.0	16633.2	16747.9	16829.2
30°	15065.0	15093.7	15108.0	14978.9	14864.2	14773.3	14888.1	15017.2	15060.2	15131.9
32.5°	13592.4	13640.2	13688.1	13530.3	13449.0	13362.9	13420.3	13501.6	13525.5	13530.3
35°	12124.7	12091.2	12048.2	11990.8	11928.6	11823.5	11880.8	11909.5	11928.6	11928.6
37.5°	10350.9	10379.6	10389.2	10279.2	10250.5	10178.8	10217.0	10221.8	10260.1	10284.0
40°	7831.3	7931.7	7864.8	7797.8	7807.4	7721.3	7707.0	7687.9	7773.9	7807.4
42.5°	4259.9	4432.0	4255.1	4312.5	4269.4	4221.6	4207.3	4231.2	4121.2	4030.4
45°	2141.9	2132.3	2170.6	2170.6	2208.8	2223.2	2189.7	2161.0	2146.7	2108.4
47.5°	1725.9	1697.3	1692.5	1716.4	1745.1	1764.2	1735.5	1721.2	1716.4	1740.3
50°	1482.1	1439.1	1424.7	1458.2	1482.1	1501.2	1477.3	1477.3	1472.6	1510.8
52.5°	1290.9	1247.8	1247.8	1314.8	1333.9	1353.0	1338.7	1338.7	1338.7	1381.7
55°	1142.7	1109.2	1070.9	1157.0	1219.2	1238.3	1228.7	1223.9	1228.7	1276.5
57.5°	1027.9	1008.8	984.9	1004.0	1099.6	1123.5	1118.8	1118.8	1128.3	1166.6
60°	918.0	908.4	898.8	898.8	975.3	1018.4	1013.6	1013.6	1023.1	1047.0
62.5°	817.6	808.0	798.4	808.0	836.7	903.6	903.6	908.4	922.7	932.3
65°	717.2	712.4	712.4	717.2	726.7	779.3	798.4	812.8	827.1	831.9
67.5°	621.5	616.8	621.5	631.1	631.1	655.0	698.0	712.4	726.7	726.7
70°	502.0	525.9	540.3	545.0	554.6	559.4	597.6	626.3	640.7	621.5
72.5°	272.5	310.8	468.5	482.9	487.7	492.4	521.1	554.6	564.2	368.1
75°	196.0	196.0	392.0	415.9	420.7	420.7	444.6	478.1	487.7	282.1
77.5°	129.1	124.3	272.5	301.2	344.2	277.3	363.4	401.6	411.2	234.3
80°	100.4	95.6	210.4	234.3	239.1	191.2	296.4	325.1	329.9	191.2
82.5°	76.5	71.7	153.0	172.1	186.5	124.3	210.4	248.6	258.2	167.3
85°	43.0	43.0	76.5	71.7	110.0	81.3	119.5	124.3	167.3	105.2
87.5°	14.3	19.1	33.5	33.5	38.2	33.5	47.8	47.8	52.6	38.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

36120.6
36445.7
36187.5
35231.3
33400.2
30875.8
28208.0
25482.8
22939.3
20706.6
18655.5
16853.1
15146.3
13587.7
11986.0
10384.4
7850.4
4073.4
2141.9
1759.4
1558.6
1429.5
1305.2
1195.3
1066.2
946.6
841.5
726.7
549.8
315.5
277.3
229.5
172.1
172.1
100.4
28.7
0.0