

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: P524327

Luminaire Tested: **IFLD-L-SA7C-930-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524327
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28068.6 lumens
Efficiency: N/A
Efficacy: 76.1 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): 369
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

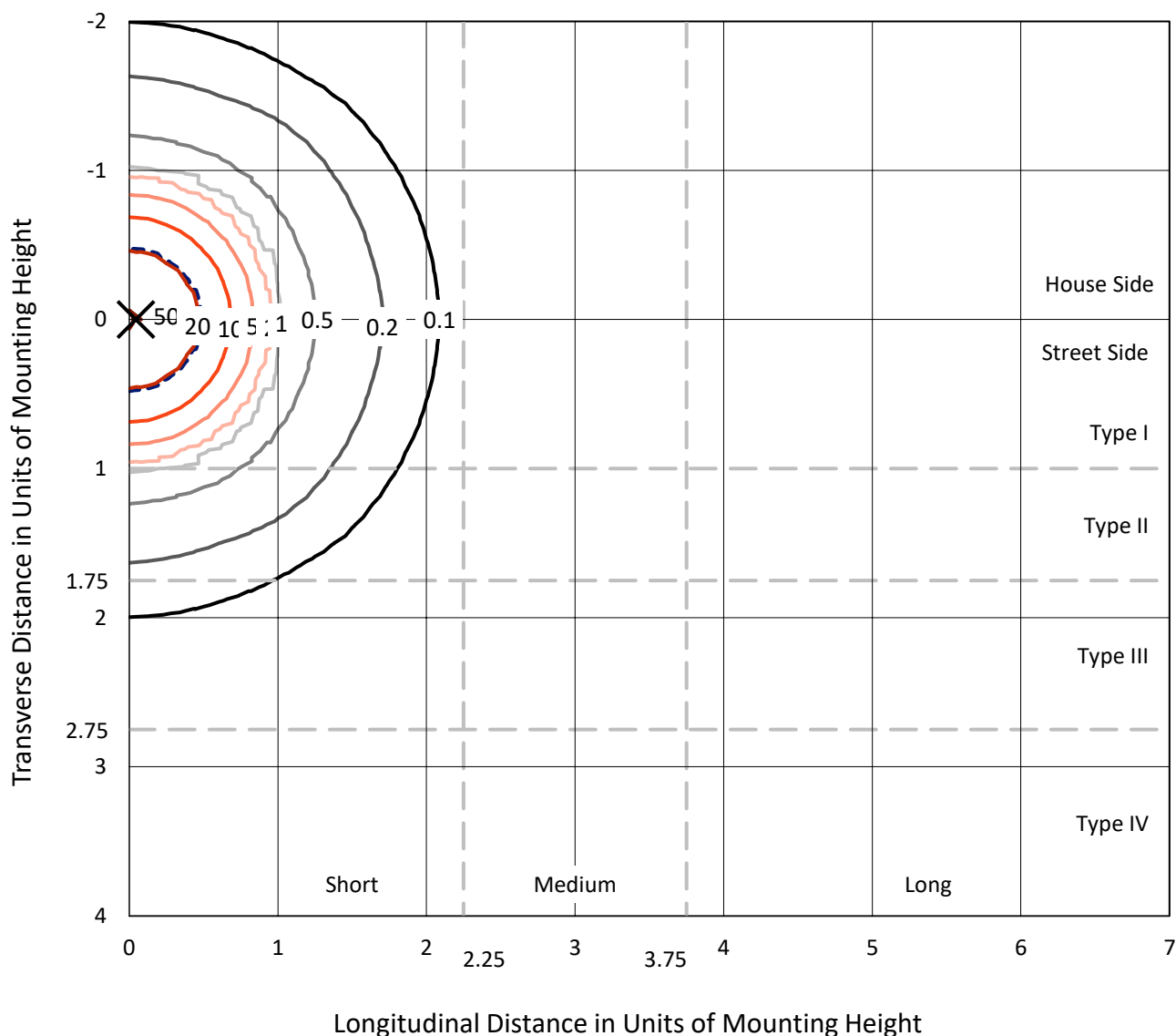
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

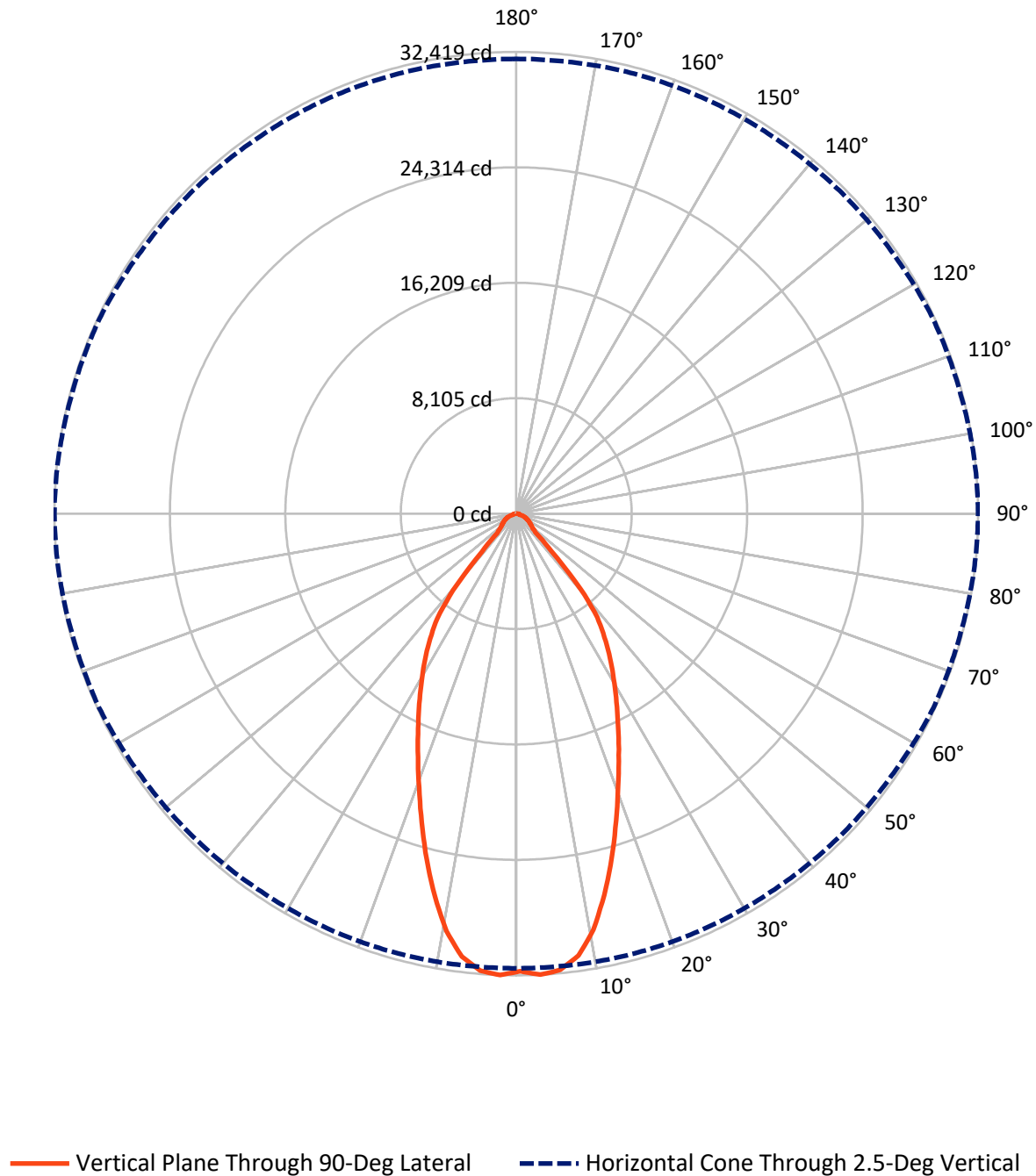


Based on 25 foot mounting height. Maximum calculated value = 51.4 fc

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	14034.3	0.0	14034.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14034.3	0.0	14034.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	28068.6	0.0	28068.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2961.9	10.6
10°-20°	6837.3	24.4
20°-30°	7506.8	26.7
30°-40°	6508.9	23.2
40°-50°	2141.7	7.6
50°-60°	960.3	3.4
60°-70°	678.7	2.4
70°-80°	368.5	1.3
80°-90°	104.5	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°	28068.6	100.0
0°-180°	28068.6	100.0

Coefficient of Utilization



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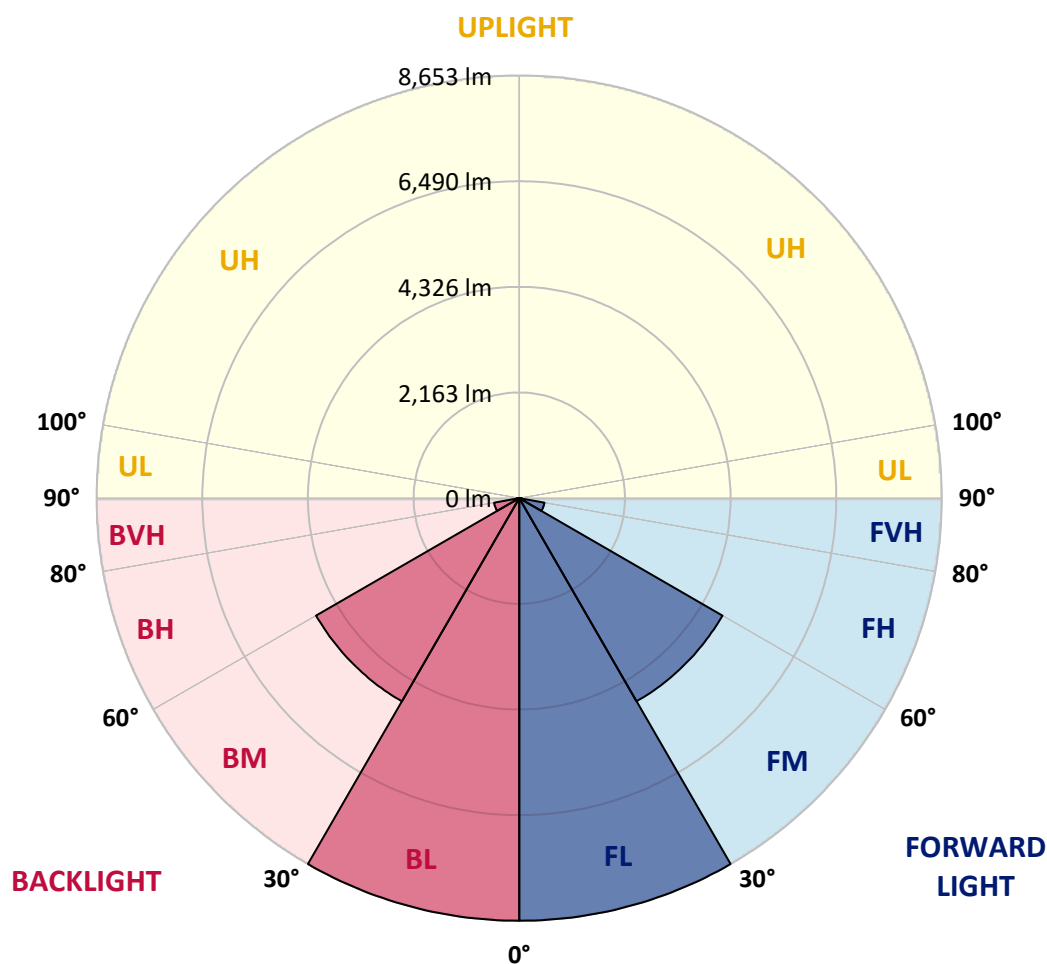
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8653.0	30.8			
FM	(30°-60°)	4805.4	17.1			
FH	(60°-80°)	523.6	1.9			G0/660
FVH	(80°-90°)	52.3	0.2			G1/100
BL	(0°-30°)	8653.0	30.8	B5		
BM	(30°-60°)	4805.4	17.1	B3/5000		
BH	(60°-80°)	523.6	1.9	B2/1000		G0/660
BVH	(80°-90°)	52.3	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°	32129.8	32129.8	32129.8	32129.8	32129.8	32129.8	32129.8	32129.8	32129.8	32129.8
2.5°	31929.9	31925.6	31976.7	32002.2	32014.9	32074.5	32134.0	32291.4	32295.6	32389.2
5°	31887.4	31849.1	31883.1	31832.1	31844.8	31844.8	31921.4	32036.2	32078.7	32172.3
7.5°	30939.0	30930.5	30909.2	30853.9	30922.0	30875.2	31015.5	31117.6	31215.4	31262.2
10°	29169.8	29089.0	29089.0	29012.5	29080.5	29016.7	29246.4	29339.9	29505.8	29603.6
12.5°	26881.8	26847.8	26852.1	26818.0	26813.8	26724.5	26992.4	27073.2	27222.0	27366.6
15°	24440.7	24389.7	24436.5	24436.5	24398.2	24317.4	24602.3	24712.9	24929.8	24997.8
17.5°	22029.4	22008.1	22037.9	22050.7	22020.9	21944.3	22220.8	22463.2	22612.0	22612.0
20°	19818.0	19809.5	19847.7	19809.5	19779.7	19728.6	19983.8	20217.7	20349.6	20358.1
22.5°	17874.4	17921.2	17887.2	17840.4	17776.6	17738.3	17972.3	18189.1	18278.5	18367.8
25°	16169.1	16181.8	16207.3	16135.1	16058.5	16011.7	16186.1	16369.0	16509.3	16560.3
27.5°	14765.7	14812.4	14748.6	14638.1	14595.5	14540.3	14663.6	14795.4	14897.5	14969.8
30°	13400.5	13426.0	13438.8	13324.0	13221.9	13141.1	13243.2	13358.0	13396.3	13460.1
32.5°	12090.7	12133.2	12175.7	12035.4	11963.1	11886.5	11937.6	12009.9	12031.1	12035.4
35°	10785.1	10755.3	10717.0	10666.0	10610.7	10517.1	10568.2	10593.7	10610.7	10610.7
37.5°	9207.3	9232.8	9241.3	9143.5	9118.0	9054.2	9088.2	9092.4	9126.5	9147.7
40°	6966.1	7055.4	6995.8	6936.3	6944.8	6868.2	6855.5	6838.5	6915.0	6944.8
42.5°	3789.2	3942.3	3785.0	3836.0	3797.7	3755.2	3742.4	3763.7	3665.9	3585.1
45°	1905.2	1896.7	1930.8	1930.8	1964.8	1977.5	1947.8	1922.3	1909.5	1875.5
47.5°	1535.3	1509.7	1505.5	1526.7	1552.3	1569.3	1543.8	1531.0	1526.7	1548.0
50°	1318.4	1280.1	1267.3	1297.1	1318.4	1335.4	1314.1	1314.1	1309.9	1343.9
52.5°	1148.3	1110.0	1110.0	1169.5	1186.5	1203.5	1190.8	1190.8	1190.8	1229.1
55°	1016.4	986.6	952.6	1029.2	1084.5	1101.5	1093.0	1088.7	1093.0	1135.5
57.5°	914.3	897.3	876.1	893.1	978.1	999.4	995.2	995.2	1003.7	1037.7
60°	816.5	808.0	799.5	799.5	867.6	905.8	901.6	901.6	910.1	931.4
62.5°	727.2	718.7	710.2	718.7	744.2	803.8	803.8	808.0	820.8	829.3
65°	637.9	633.7	633.7	637.9	646.4	693.2	710.2	723.0	735.7	740.0
67.5°	552.9	548.6	552.9	561.4	561.4	582.6	620.9	633.7	646.4	646.4
70°	446.5	467.8	480.6	484.8	493.3	497.6	531.6	557.1	569.9	552.9
72.5°	242.4	276.4	416.8	429.5	433.8	438.0	463.6	493.3	501.8	327.5
75°	174.4	174.4	348.7	370.0	374.2	374.2	395.5	425.3	433.8	250.9
77.5°	114.8	110.6	242.4	267.9	306.2	246.7	323.2	357.2	365.7	208.4
80°	89.3	85.1	187.1	208.4	212.6	170.1	263.7	289.2	293.4	170.1
82.5°	68.0	63.8	136.1	153.1	165.9	110.6	187.1	221.1	229.7	148.8
85°	38.3	38.3	68.0	63.8	97.8	72.3	106.3	110.6	148.8	93.6
87.5°	12.8	17.0	29.8	29.8	34.0	29.8	42.5	42.5	46.8	34.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

32129.8
32418.9
32189.3
31338.7
29709.9
27464.5
25091.4
22667.3
20404.8
18418.8
16594.4
14991.1
13472.8
12086.4
10661.7
9237.0
6983.1
3623.4
1905.2
1565.0
1386.4
1271.6
1161.0
1063.2
948.4
842.1
748.5
646.4
489.1
280.7
246.7
204.1
153.1
153.1
89.3
25.5
0.0