

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: P524330

Luminaire Tested: **IFLD-L-SA8A-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524330
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-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: 21335.6 lumens
Efficiency: N/A
Efficacy: 86.1 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): 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

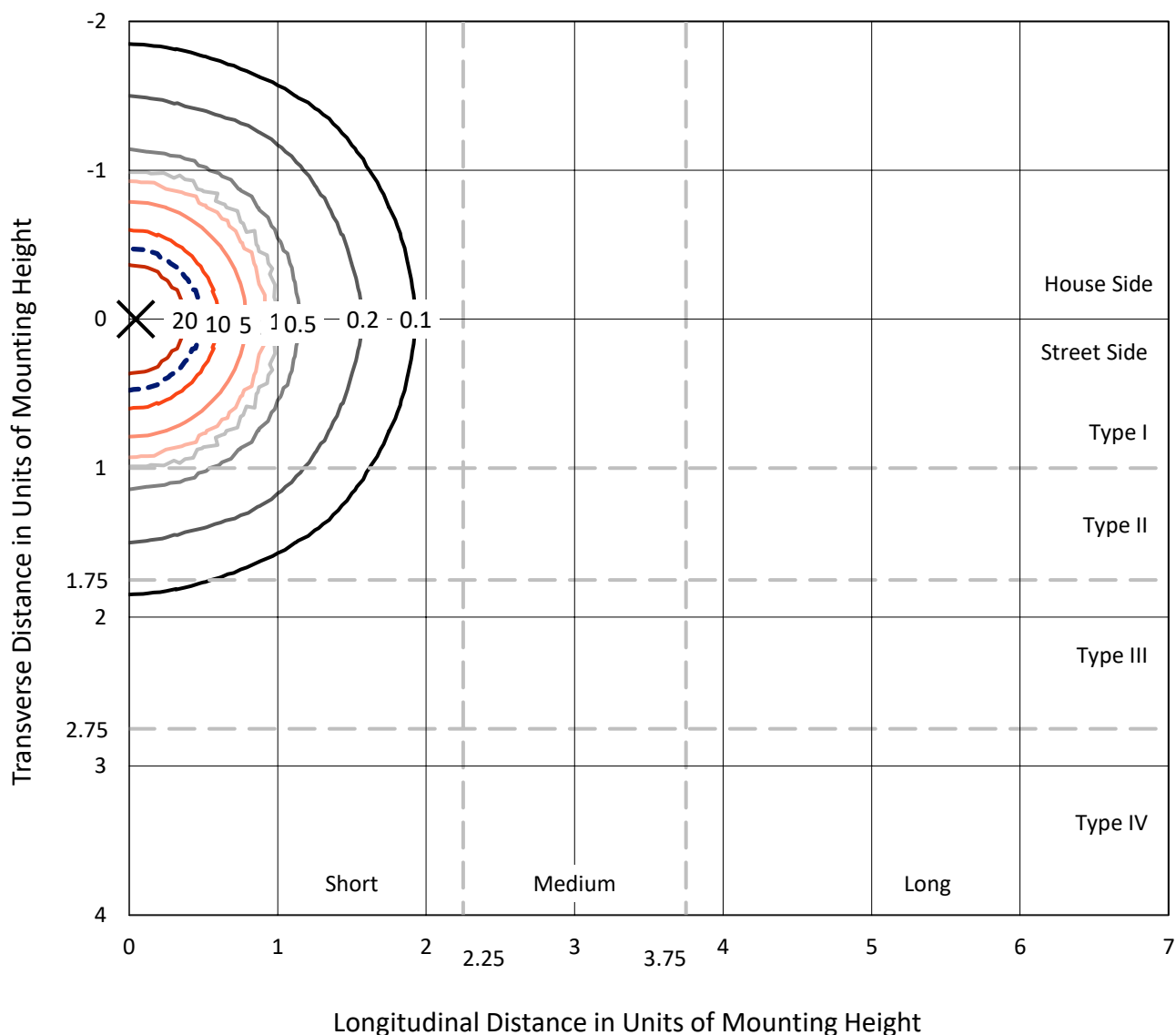
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

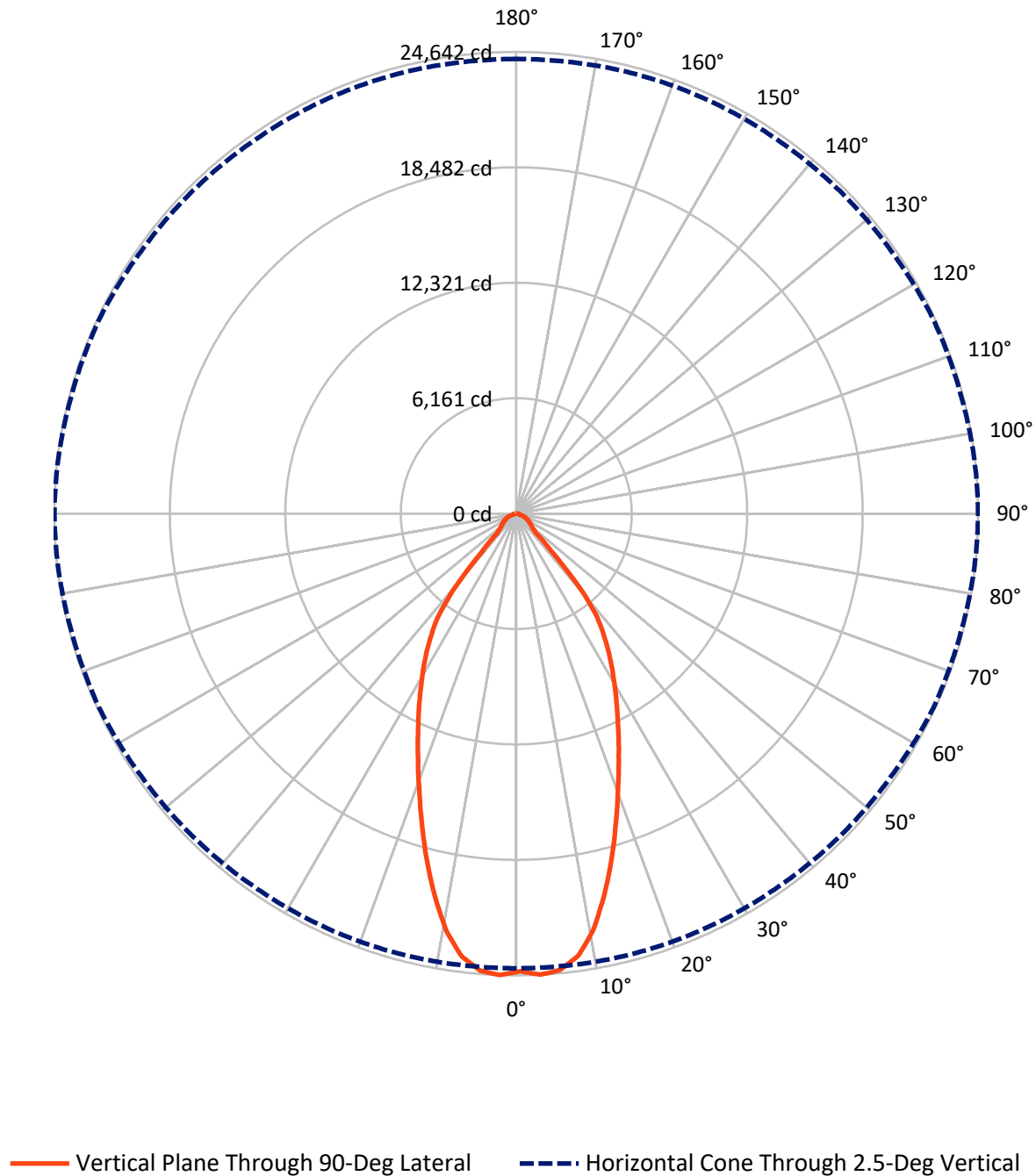


Based on 25 foot mounting height. Maximum calculated value = 39.1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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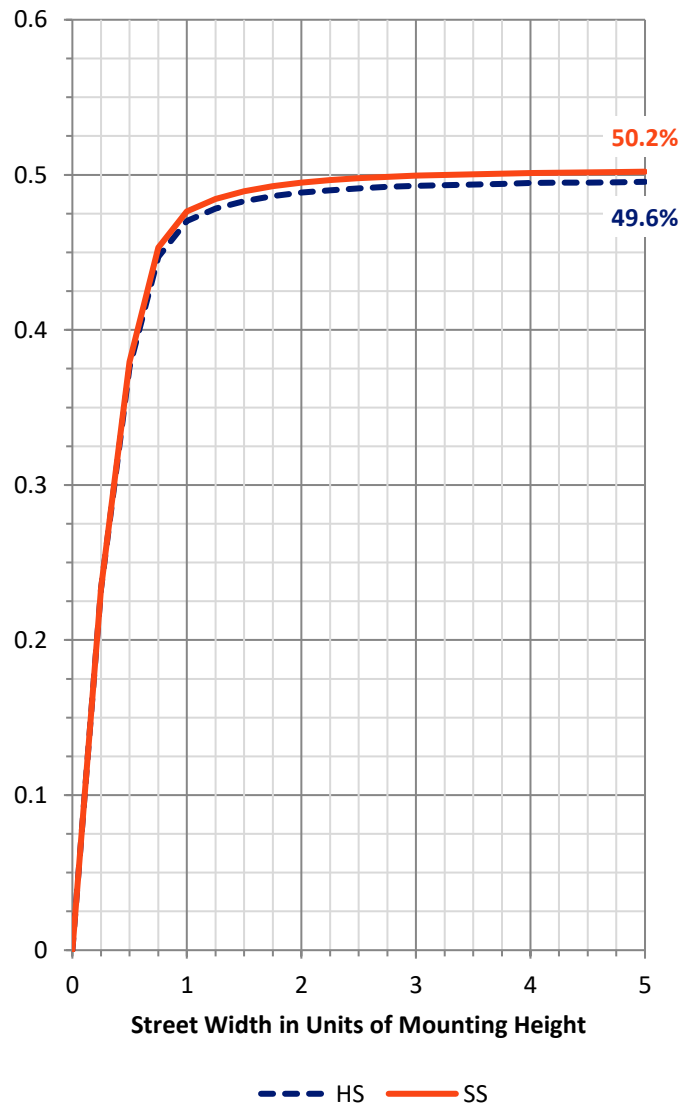
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10667.8	0.0	10667.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10667.8	0.0	10667.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	21335.6	0.0	21335.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2251.4	10.6
10°-20°	5197.2	24.4
20°-30°	5706.1	26.7
30°-40°	4947.6	23.2
40°-50°	1628.0	7.6
50°-60°	729.9	3.4
60°-70°	515.9	2.4
70°-80°	280.1	1.3
80°-90°	79.4	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°	21335.6	100.0
0°-180°	21335.6	100.0

Coefficient of Utilization



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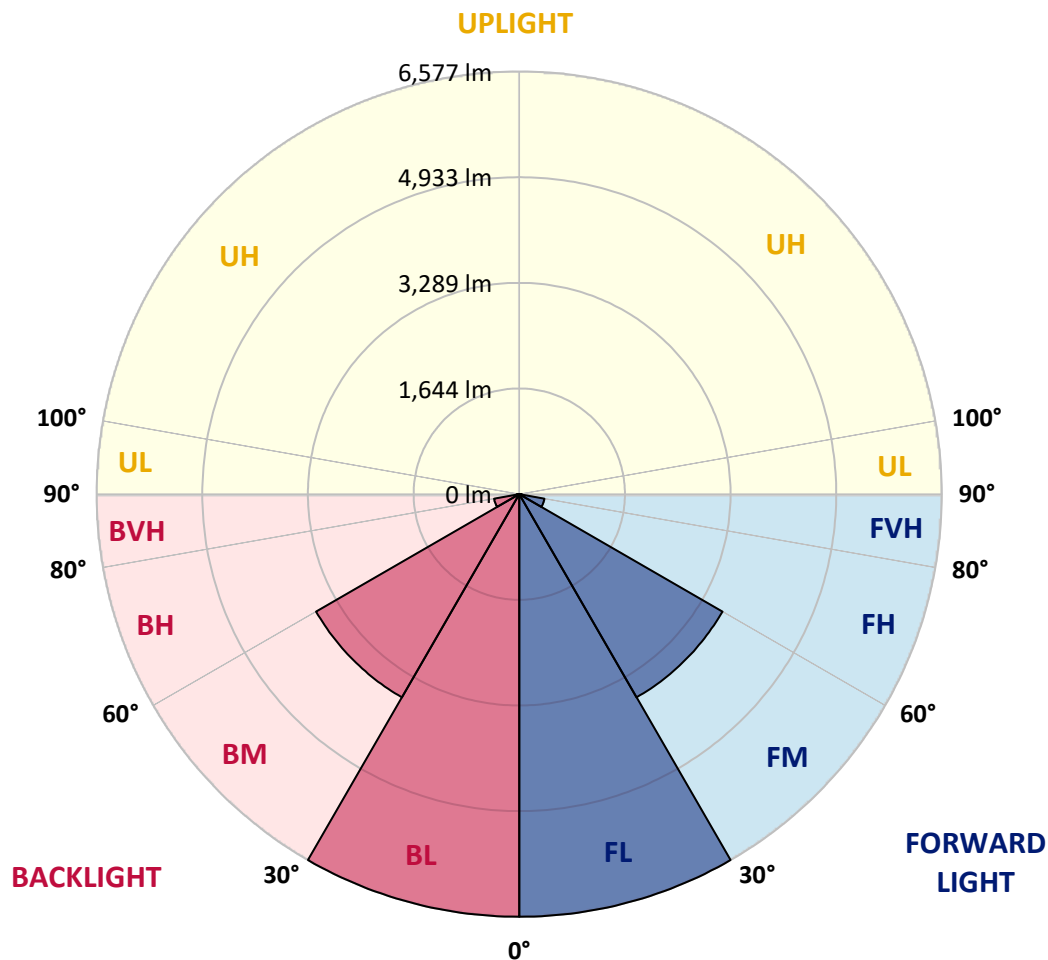
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6577.3	30.8			
FM	(30°-60°)	3652.7	17.1			
FH	(60°-80°)	398.0	1.9			G0/660
FVH	(80°-90°)	39.7	0.2			G1/100
BL	(0°-30°)	6577.3	30.8	B5		
BM	(30°-60°)	3652.7	17.1	B3/5000		
BH	(60°-80°)	398.0	1.9	B1/500		G0/660
BVH	(80°-90°)	39.7	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°	24422.6	24422.6	24422.6	24422.6	24422.6	24422.6	24422.6	24422.6	24422.6	24422.6
2.5°	24270.6	24267.4	24306.2	24325.6	24335.3	24380.6	24425.8	24545.4	24548.7	24619.8
5°	24238.3	24209.2	24235.1	24196.3	24206.0	24206.0	24264.2	24351.5	24383.8	24454.9
7.5°	23517.4	23511.0	23494.8	23452.8	23504.5	23469.0	23575.6	23653.2	23727.6	23763.1
10°	22172.7	22111.2	22111.2	22053.1	22104.8	22056.3	22230.8	22302.0	22428.0	22502.4
12.5°	20433.5	20407.6	20410.9	20385.0	20381.8	20313.9	20517.6	20579.0	20692.1	20802.0
15°	18578.0	18539.2	18574.7	18574.7	18545.6	18484.2	18700.8	18784.9	18949.7	19001.4
17.5°	16745.1	16728.9	16751.5	16761.2	16738.6	16680.4	16890.5	17074.8	17187.9	17187.9
20°	15064.1	15057.6	15086.7	15057.6	15035.0	14996.2	15190.2	15368.0	15468.2	15474.6
22.5°	13586.8	13622.3	13596.5	13560.9	13512.4	13483.3	13661.1	13826.0	13893.9	13961.8
25°	12290.5	12300.2	12319.6	12264.6	12206.4	12170.9	12303.4	12442.4	12549.1	12587.9
27.5°	11223.7	11259.3	11210.8	11126.7	11094.4	11052.4	11146.1	11246.3	11323.9	11378.9
30°	10186.0	10205.4	10215.1	10127.9	10050.3	9988.9	10066.4	10153.7	10182.8	10231.3
32.5°	9190.4	9222.7	9255.0	9148.4	9093.4	9035.2	9074.0	9129.0	9145.1	9148.4
35°	8198.0	8175.3	8146.2	8107.5	8065.4	7994.3	8033.1	8052.5	8065.4	8065.4
37.5°	6998.7	7018.1	7024.5	6950.2	6930.8	6882.3	6908.1	6911.4	6937.2	6953.4
40°	5295.1	5362.9	5317.7	5272.4	5278.9	5220.7	5211.0	5198.1	5256.3	5278.9
42.5°	2880.3	2996.7	2877.0	2915.8	2886.7	2854.4	2844.7	2860.9	2786.5	2725.1
45°	1448.2	1441.8	1467.6	1467.6	1493.5	1503.2	1480.5	1461.2	1451.5	1425.6
47.5°	1167.0	1147.6	1144.4	1160.5	1179.9	1192.8	1173.4	1163.7	1160.5	1176.7
50°	1002.1	973.0	963.3	986.0	1002.1	1015.0	998.9	998.9	995.7	1021.5
52.5°	872.8	843.7	843.7	889.0	901.9	914.8	905.1	905.1	905.1	934.2
55°	772.6	750.0	724.1	782.3	824.3	837.3	830.8	827.6	830.8	863.1
57.5°	695.0	682.1	665.9	678.9	743.5	759.7	756.4	756.4	762.9	788.8
60°	620.7	614.2	607.7	607.7	659.5	688.6	685.3	685.3	691.8	707.9
62.5°	552.8	546.3	539.9	546.3	565.7	611.0	611.0	614.2	623.9	630.4
65°	484.9	481.7	481.7	484.9	491.4	526.9	539.9	549.5	559.2	562.5
67.5°	420.2	417.0	420.2	426.7	426.7	442.9	472.0	481.7	491.4	491.4
70°	339.4	355.6	365.3	368.5	375.0	378.2	404.1	423.5	433.2	420.2
72.5°	184.3	210.1	316.8	326.5	329.7	333.0	352.4	375.0	381.5	248.9
75°	132.5	132.5	265.1	281.2	284.5	284.5	300.6	323.3	329.7	190.7
77.5°	87.3	84.0	184.3	203.7	232.7	187.5	245.7	271.5	278.0	158.4
80°	67.9	64.7	142.2	158.4	161.6	129.3	200.4	219.8	223.1	129.3
82.5°	51.7	48.5	103.4	116.4	126.1	84.0	142.2	168.1	174.6	113.1
85°	29.1	29.1	51.7	48.5	74.4	55.0	80.8	84.0	113.1	71.1
87.5°	9.7	12.9	22.6	22.6	25.9	22.6	32.3	32.3	35.6	25.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

24422.6
24642.4
24467.8
23821.3
22583.2
20876.4
19072.6
17230.0
15510.2
14000.6
12613.8
11395.0
10241.0
9187.2
8104.2
7021.3
5308.0
2754.2
1448.2
1189.6
1053.8
966.6
882.5
808.2
720.9
640.1
568.9
491.4
371.8
213.4
187.5
155.2
116.4
116.4
67.9
19.4
0.0