

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: P524368

Luminaire Tested: **IFLD-L-SA7E-935-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524368
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

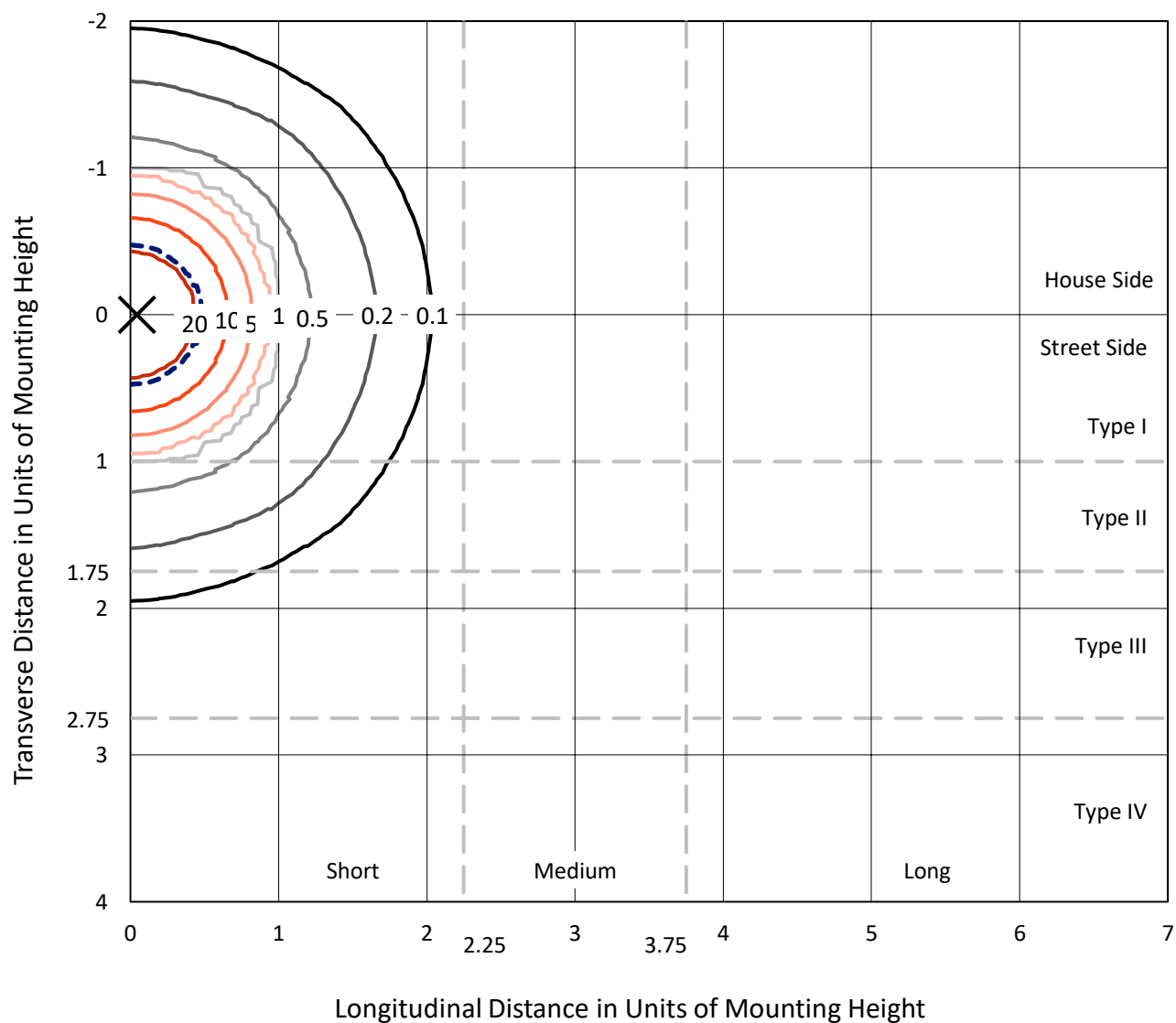
Lumens per Lamp: N/A
Luminaire Lumens: 37082.7 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 532.7
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

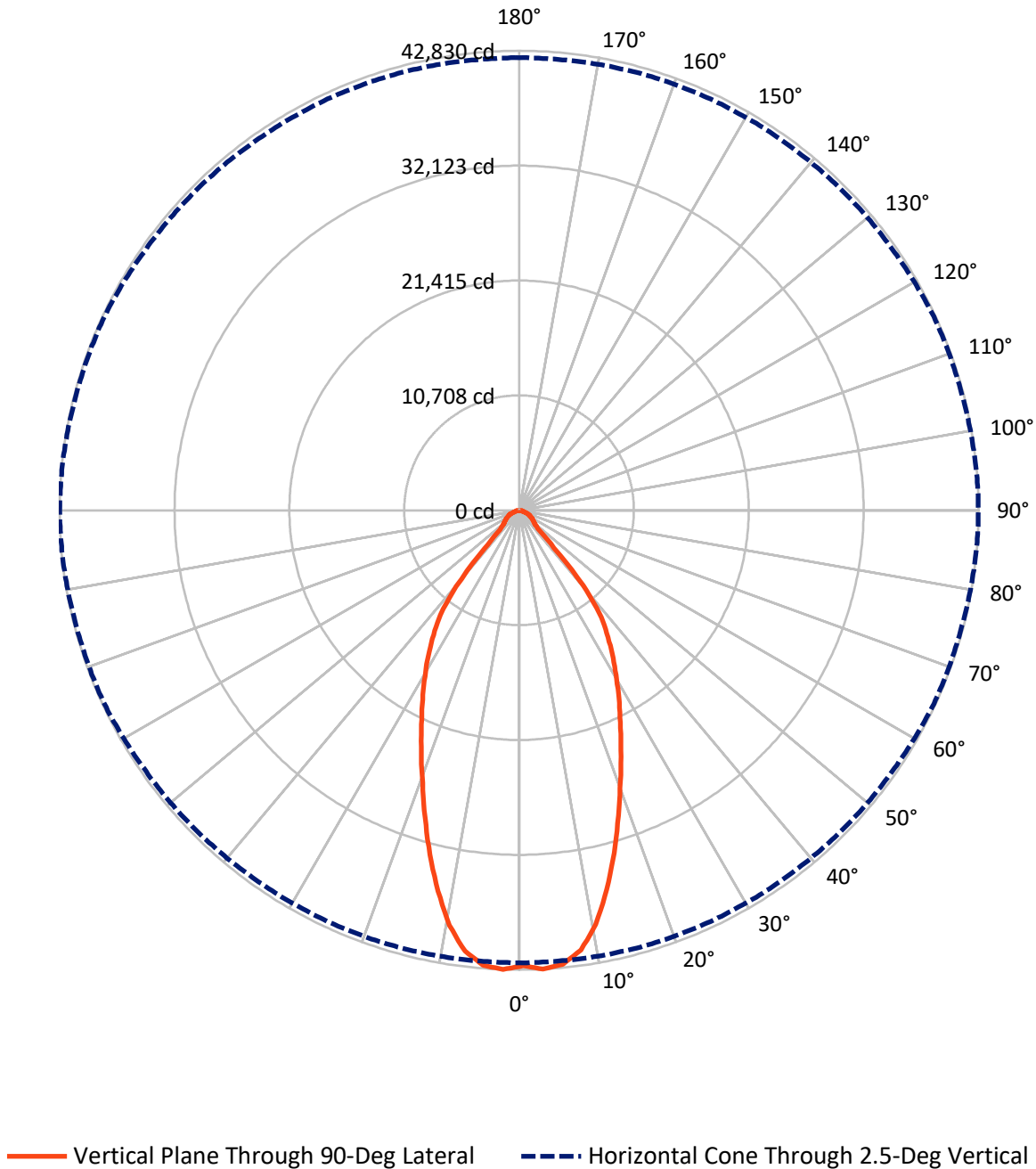
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 47.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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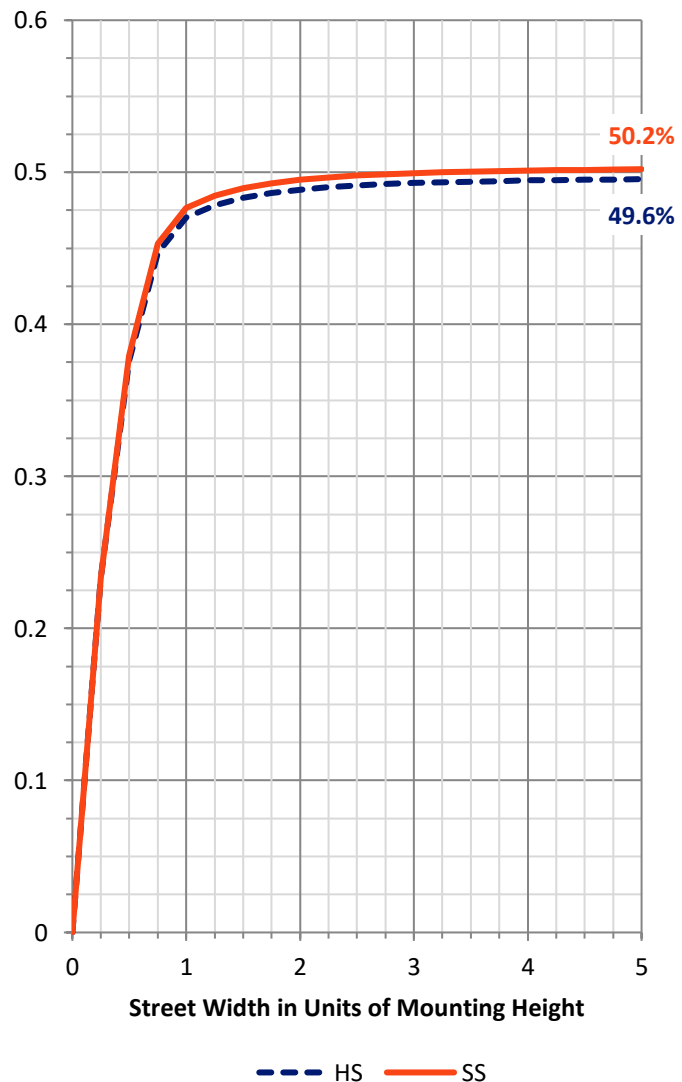
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18541.4	0.0	18541.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18541.4	0.0	18541.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	37082.7	0.0	37082.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3913.1	10.6
10°-20°	9033.1	24.4
20°-30°	9917.5	26.7
30°-40°	8599.2	23.2
40°-50°	2829.5	7.6
50°-60°	1268.6	3.4
60°-70°	896.7	2.4
70°-80°	486.9	1.3
80°-90°	138.1	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°	37082.7	100.0
0°-180°	37082.7	100.0

Coefficient of Utilization



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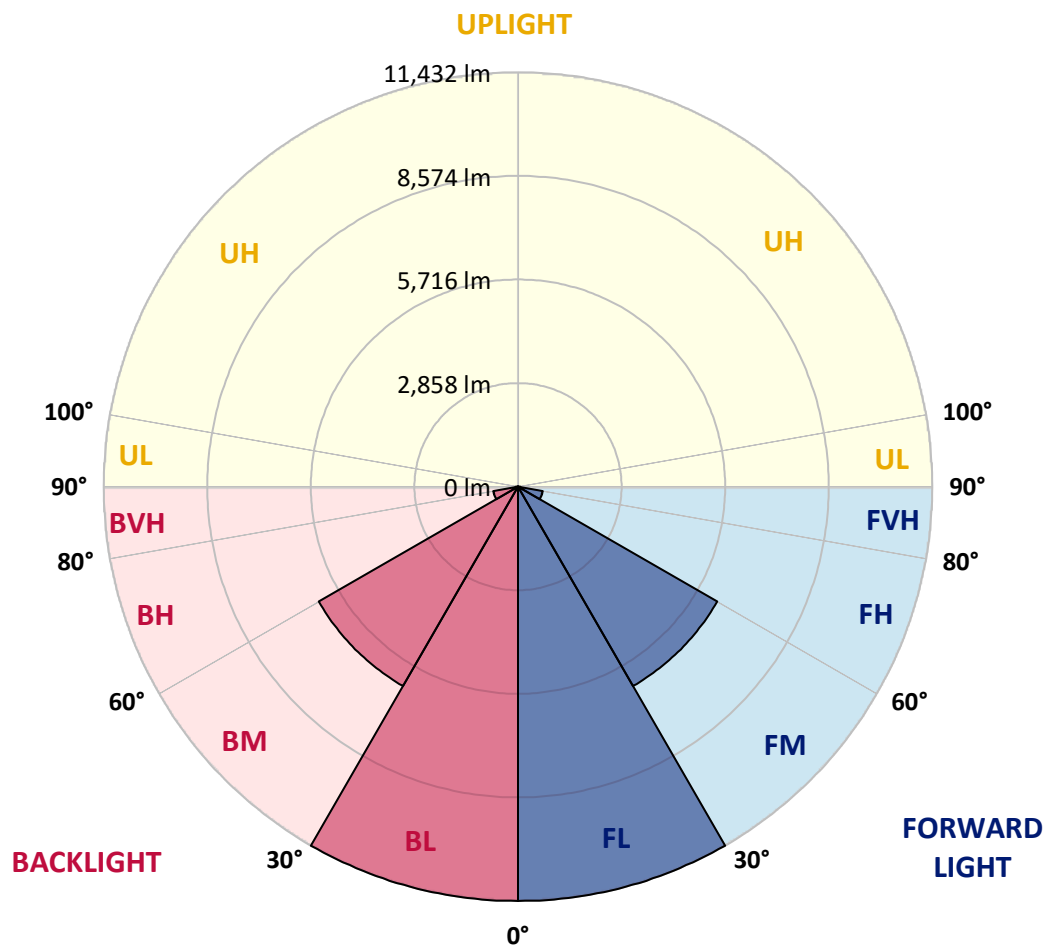
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11431.9	30.8			
FM	(30°-60°)	6348.7	17.1			
FH	(60°-80°)	691.8	1.9			G1/1800
FVH	(80°-90°)	69.0	0.2			G1/100
BL	(0°-30°)	11431.9	30.8	B5		
BM	(30°-60°)	6348.7	17.1	B4/8500		
BH	(60°-80°)	691.8	1.9	B2/1000		G1/1800
BVH	(80°-90°)	69.0	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°	42448.1	42448.1	42448.1	42448.1	42448.1	42448.1	42448.1	42448.1	42448.1	42448.1
2.5°	42184.0	42178.4	42245.8	42279.5	42296.4	42375.0	42453.7	42661.6	42667.2	42790.8
5°	42127.8	42077.2	42122.2	42054.8	42071.6	42071.6	42172.8	42324.5	42380.6	42504.3
7.5°	40874.9	40863.6	40835.6	40762.5	40852.4	40790.6	40976.0	41110.9	41240.1	41301.9
10°	38537.6	38430.8	38430.8	38329.7	38419.6	38335.3	38638.7	38762.3	38981.4	39110.7
12.5°	35514.8	35469.8	35475.5	35430.5	35424.9	35306.9	35660.9	35767.6	35964.3	36155.3
15°	32289.8	32222.3	32284.1	32284.1	32233.6	32126.8	32503.3	32649.3	32935.9	33025.8
17.5°	29104.0	29075.9	29115.3	29132.1	29092.8	28991.7	29356.9	29677.1	29873.8	29873.8
20°	26182.4	26171.2	26221.7	26171.2	26131.8	26064.4	26401.5	26710.5	26884.7	26896.0
22.5°	23614.7	23676.5	23631.6	23569.8	23485.5	23434.9	23744.0	24030.5	24148.5	24266.5
25°	21361.7	21378.5	21412.3	21316.7	21215.6	21153.8	21384.2	21625.8	21811.2	21878.6
27.5°	19507.6	19569.4	19485.1	19339.0	19282.8	19209.8	19372.7	19546.9	19681.7	19777.3
30°	17704.0	17737.7	17754.6	17602.9	17468.0	17361.3	17496.1	17647.8	17698.4	17782.7
32.5°	15973.5	16029.7	16085.9	15900.5	15805.0	15703.8	15771.2	15866.8	15894.9	15900.5
35°	14248.6	14209.3	14158.7	14091.3	14018.3	13894.6	13962.1	13995.8	14018.3	14018.3
37.5°	12164.1	12197.9	12209.1	12079.9	12046.2	11961.9	12006.8	12012.4	12057.4	12085.5
40°	9203.2	9321.2	9242.5	9163.8	9175.1	9073.9	9057.1	9034.6	9135.7	9175.1
42.5°	5006.1	5208.4	5000.5	5067.9	5017.4	4961.2	4944.3	4972.4	4843.2	4736.4
45°	2517.1	2505.9	2550.8	2550.8	2595.8	2612.6	2573.3	2539.6	2522.7	2477.8
47.5°	2028.3	1994.6	1989.0	2017.1	2050.8	2073.2	2039.5	2022.7	2017.1	2045.1
50°	1741.7	1691.2	1674.3	1713.7	1741.7	1764.2	1736.1	1736.1	1730.5	1775.5
52.5°	1517.0	1466.4	1466.4	1545.1	1567.6	1590.0	1573.2	1573.2	1573.2	1623.8
55°	1342.8	1303.5	1258.6	1359.7	1432.7	1455.2	1444.0	1438.3	1444.0	1500.2
57.5°	1208.0	1185.5	1157.4	1179.9	1292.3	1320.4	1314.7	1314.7	1326.0	1370.9
60°	1078.8	1067.5	1056.3	1056.3	1146.2	1196.7	1191.1	1191.1	1202.4	1230.5
62.5°	960.8	949.5	938.3	949.5	983.2	1061.9	1061.9	1067.5	1084.4	1095.6
65°	842.8	837.2	837.2	842.8	854.0	915.8	938.3	955.2	972.0	977.6
67.5°	730.4	724.8	730.4	741.6	741.6	769.7	820.3	837.2	854.0	854.0
70°	589.9	618.0	634.9	640.5	651.8	657.4	702.3	736.0	752.9	730.4
72.5°	320.3	365.2	550.6	567.5	573.1	578.7	612.4	651.8	663.0	432.6
75°	230.4	230.4	460.7	488.8	494.4	494.4	522.5	561.9	573.1	331.5
77.5°	151.7	146.1	320.3	354.0	404.5	325.9	427.0	472.0	483.2	275.3
80°	118.0	112.4	247.2	275.3	280.9	224.7	348.3	382.1	387.7	224.7
82.5°	89.9	84.3	179.8	202.3	219.1	146.1	247.2	292.2	303.4	196.6
85°	50.6	50.6	89.9	84.3	129.2	95.5	140.5	146.1	196.6	123.6
87.5°	16.9	22.5	39.3	39.3	44.9	39.3	56.2	56.2	61.8	44.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

42448.1
42830.1
42526.7
41403.0
39251.1
36284.5
33149.4
29946.8
26957.8
24333.9
21923.5
19805.4
17799.5
15967.9
14085.7
12203.5
9225.6
4787.0
2517.1
2067.6
1831.6
1679.9
1533.9
1404.6
1252.9
1112.5
988.9
854.0
646.1
370.8
325.9
269.7
202.3
202.3
118.0
33.7
0.0

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