

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: P524336

Luminaire Tested: **IFLD-S-SA2C-935-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524336
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

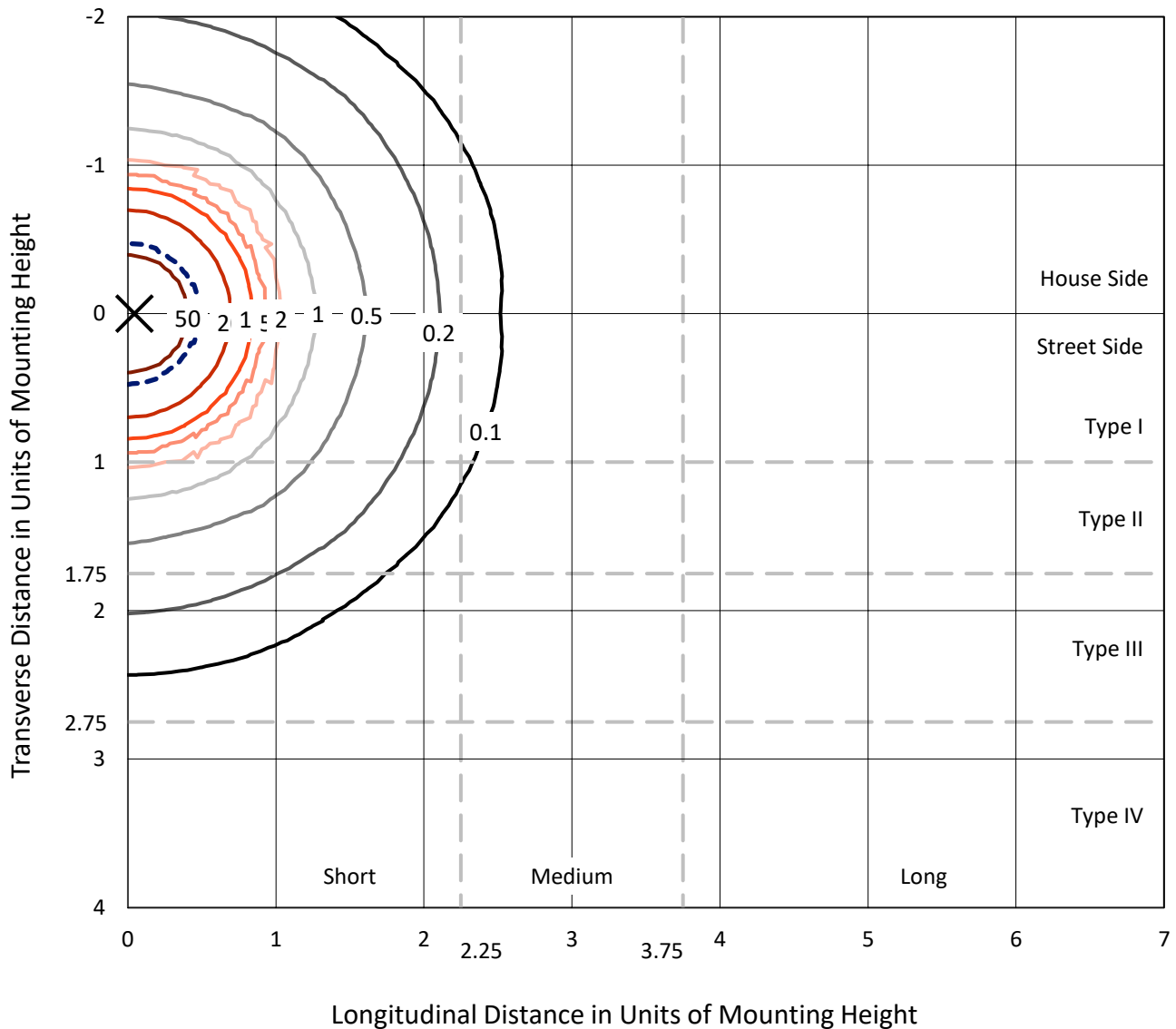
Lumens per Lamp: N/A
Luminaire Lumens: 9336.7 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 108.2
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

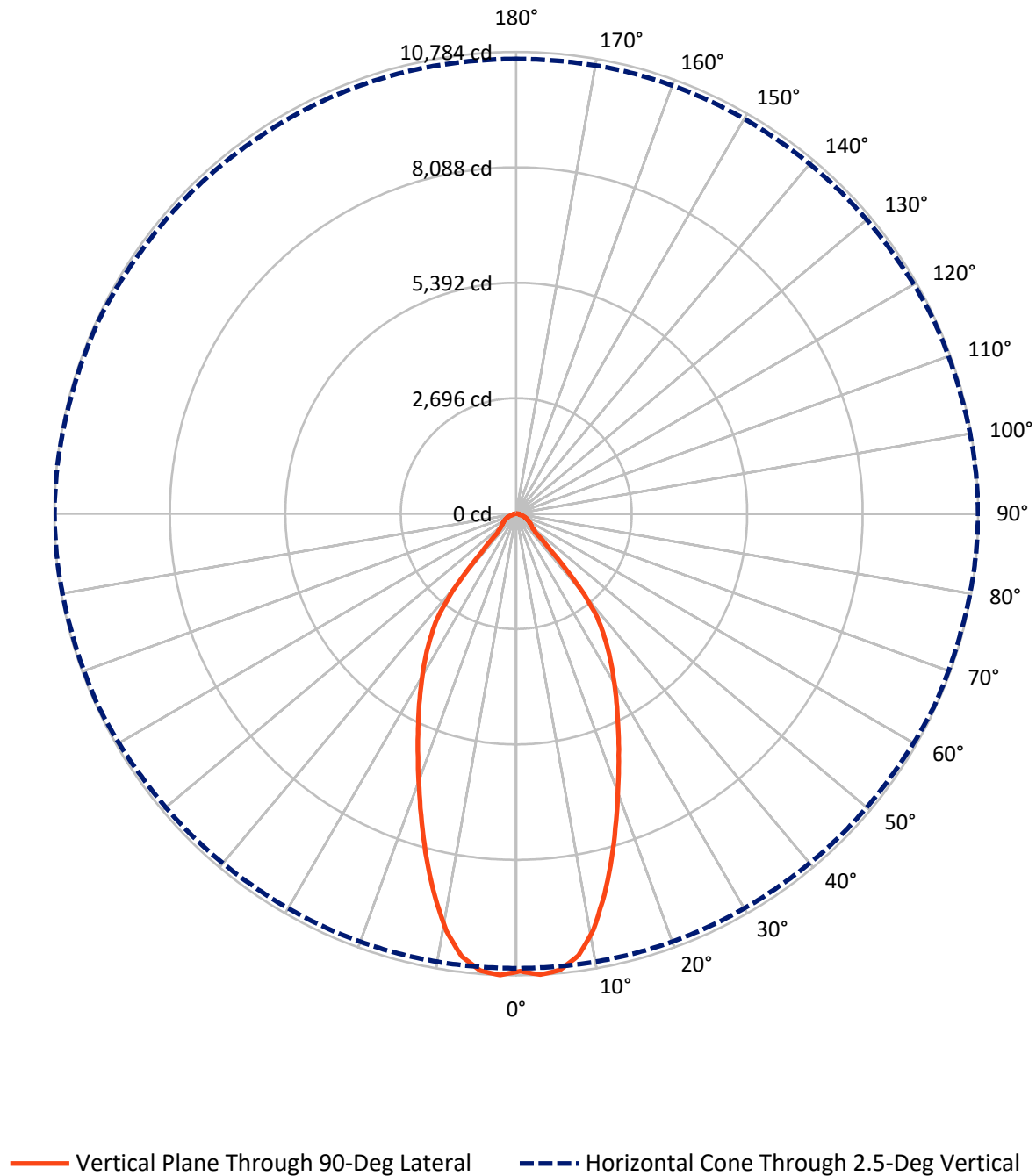
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 106.9 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	4668.4	0.0	4668.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4668.4	0.0	4668.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	9336.7	0.0	9336.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	985.3	10.6
10°-20°	2274.3	24.4
20°-30°	2497.0	26.7
30°-40°	2165.1	23.2
40°-50°	712.4	7.6
50°-60°	319.4	3.4
60°-70°	225.8	2.4
70°-80°	122.6	1.3
80°-90°	34.8	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°	9336.7	100.0
0°-180°	9336.7	100.0

Coefficient of Utilization



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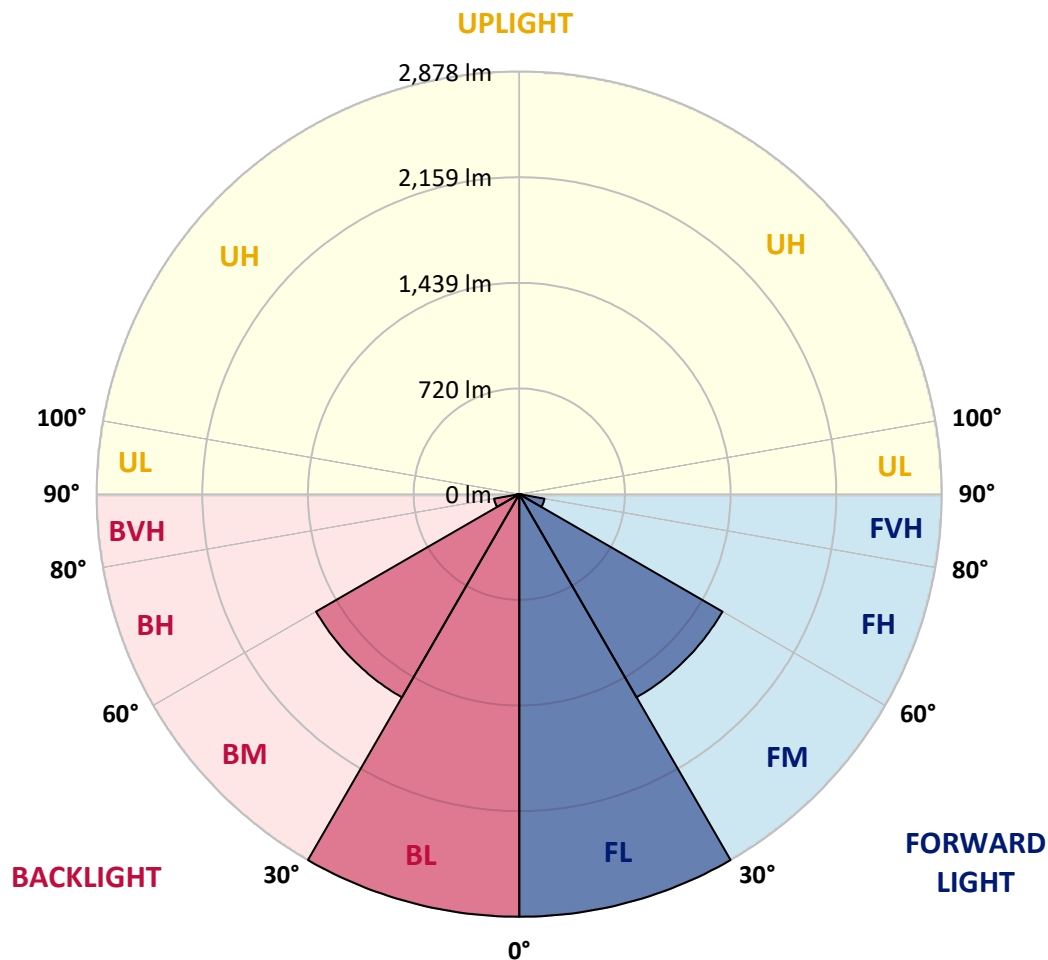
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2878.3	30.8			
FM	(30°-60°)	1598.5	17.1			
FH	(60°-80°)	174.2	1.9			G0/660
FVH	(80°-90°)	17.4	0.2			G1/100
BL	(0°-30°)	2878.3	30.8	B4/5000		
BM	(30°-60°)	1598.5	17.1	B2/2500		
BH	(60°-80°)	174.2	1.9	B1/500		G0/660
BVH	(80°-90°)	17.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10687.6	10687.6	10687.6	10687.6	10687.6	10687.6	10687.6	10687.6	10687.6	10687.6
2.5°	10621.1	10619.7	10636.7	10645.2	10649.4	10669.2	10689.0	10741.4	10742.8	10773.9
5°	10607.0	10594.3	10605.6	10588.6	10592.8	10592.8	10618.3	10656.5	10670.6	10701.8
7.5°	10291.5	10288.7	10281.6	10263.2	10285.9	10270.3	10317.0	10350.9	10383.5	10399.0
10°	9703.0	9676.1	9676.1	9650.7	9673.3	9652.1	9728.5	9759.6	9814.8	9847.3
12.5°	8942.0	8930.6	8932.0	8920.7	8919.3	8889.6	8978.7	9005.6	9055.1	9103.2
15°	8129.9	8113.0	8128.5	8128.5	8115.8	8088.9	8183.7	8220.5	8292.6	8315.3
17.5°	7327.8	7320.8	7330.7	7334.9	7325.0	7299.6	7391.5	7472.1	7521.7	7521.7
20°	6592.2	6589.4	6602.1	6589.4	6579.5	6562.5	6647.4	6725.2	6769.1	6771.9
22.5°	5945.7	5961.3	5950.0	5934.4	5913.2	5900.5	5978.3	6050.4	6080.1	6109.8
25°	5378.5	5382.7	5391.2	5367.2	5341.7	5326.1	5384.1	5445.0	5491.6	5508.6
27.5°	4911.6	4927.2	4906.0	4869.2	4855.1	4836.7	4877.7	4921.5	4955.5	4979.5
30°	4457.5	4466.0	4470.3	4432.1	4398.1	4371.2	4405.2	4443.4	4456.1	4477.3
32.5°	4021.8	4036.0	4050.1	4003.4	3979.4	3953.9	3970.9	3994.9	4002.0	4003.4
35°	3587.5	3577.6	3564.9	3547.9	3529.5	3498.4	3515.4	3523.9	3529.5	3529.5
37.5°	3062.7	3071.2	3074.0	3041.5	3033.0	3011.8	3023.1	3024.5	3035.8	3042.9
40°	2317.2	2346.9	2327.1	2307.3	2310.1	2284.6	2280.4	2274.7	2300.2	2310.1
42.5°	1260.4	1311.4	1259.0	1276.0	1263.3	1249.1	1244.9	1252.0	1219.4	1192.5
45°	633.8	630.9	642.2	642.2	653.6	657.8	647.9	639.4	635.2	623.9
47.5°	510.7	502.2	500.8	507.9	516.3	522.0	513.5	509.3	507.9	514.9
50°	438.5	425.8	421.6	431.5	438.5	444.2	437.1	437.1	435.7	447.0
52.5°	382.0	369.2	369.2	389.0	394.7	400.3	396.1	396.1	396.1	408.8
55°	338.1	328.2	316.9	342.3	360.7	366.4	363.6	362.1	363.6	377.7
57.5°	304.1	298.5	291.4	297.1	325.4	332.4	331.0	331.0	333.9	345.2
60°	271.6	268.8	266.0	266.0	288.6	301.3	299.9	299.9	302.7	309.8
62.5°	241.9	239.1	236.2	239.1	247.6	267.4	267.4	268.8	273.0	275.9
65°	212.2	210.8	210.8	212.2	215.0	230.6	236.2	240.5	244.7	246.1
67.5°	183.9	182.5	183.9	186.7	186.7	193.8	206.5	210.8	215.0	215.0
70°	148.5	155.6	159.9	161.3	164.1	165.5	176.8	185.3	189.6	183.9
72.5°	80.6	92.0	138.6	142.9	144.3	145.7	154.2	164.1	166.9	108.9
75°	58.0	58.0	116.0	123.1	124.5	124.5	131.6	141.5	144.3	83.5
77.5°	38.2	36.8	80.6	89.1	101.9	82.0	107.5	118.8	121.7	69.3
80°	29.7	28.3	62.2	69.3	70.7	56.6	87.7	96.2	97.6	56.6
82.5°	22.6	21.2	45.3	50.9	55.2	36.8	62.2	73.6	76.4	49.5
85°	12.7	12.7	22.6	21.2	32.5	24.0	35.4	36.8	49.5	31.1
87.5°	4.2	5.7	9.9	9.9	11.3	9.9	14.1	14.1	15.6	11.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10687.6
10783.8
10707.4
10424.5
9882.7
9135.8
8346.4
7540.0
6787.5
6126.8
5519.9
4986.6
4481.6
4020.4
3546.5
3072.6
2322.8
1205.3
633.8
520.6
461.2
423.0
386.2
353.7
315.5
280.1
249.0
215.0
162.7
93.4
82.0
67.9
50.9
50.9
29.7
8.5
0.0