

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: P635981

Luminaire Tested: **IFLD-L-SA8C-950-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635981
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-950-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26883.3 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' 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: 25 FT

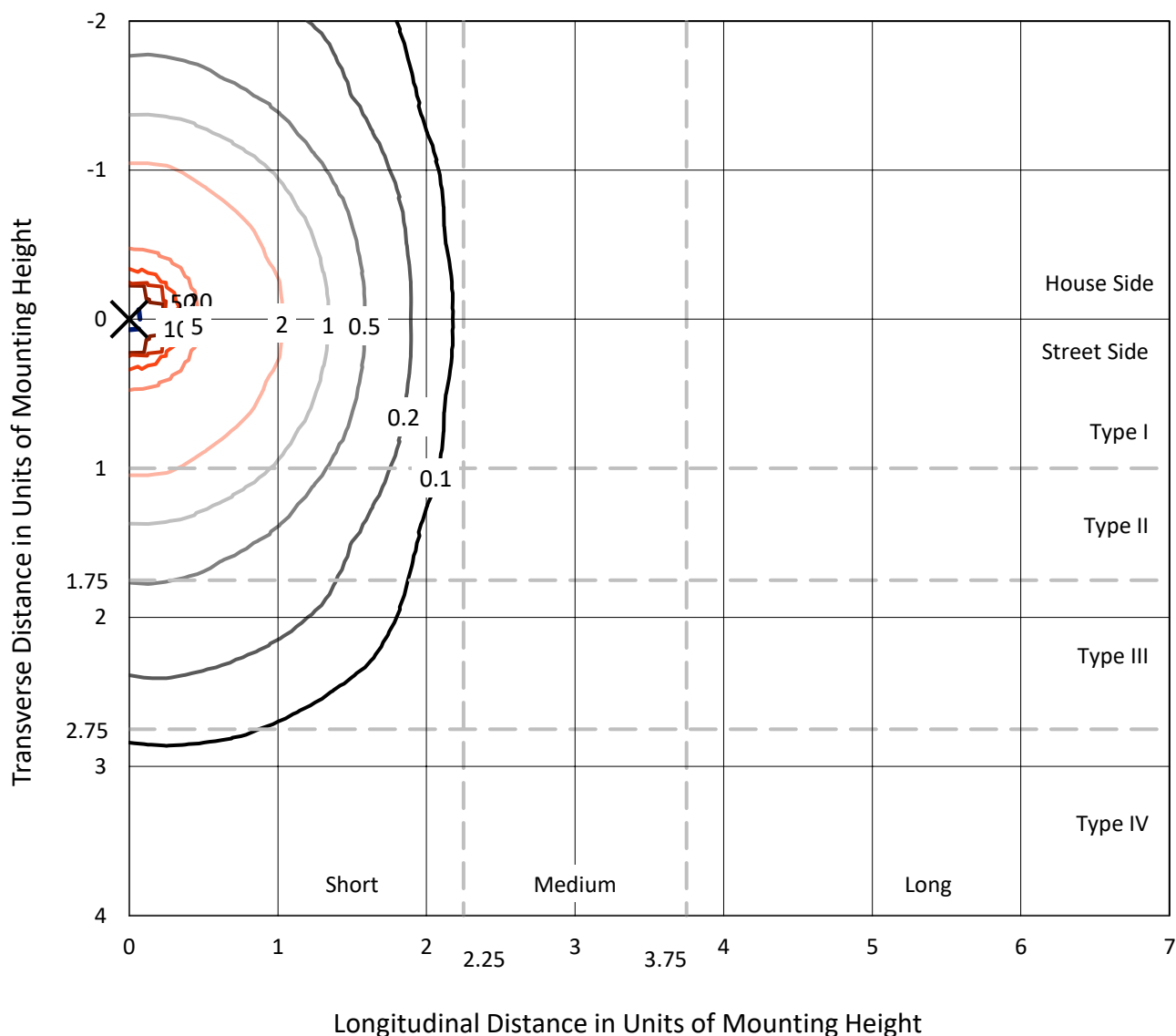


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

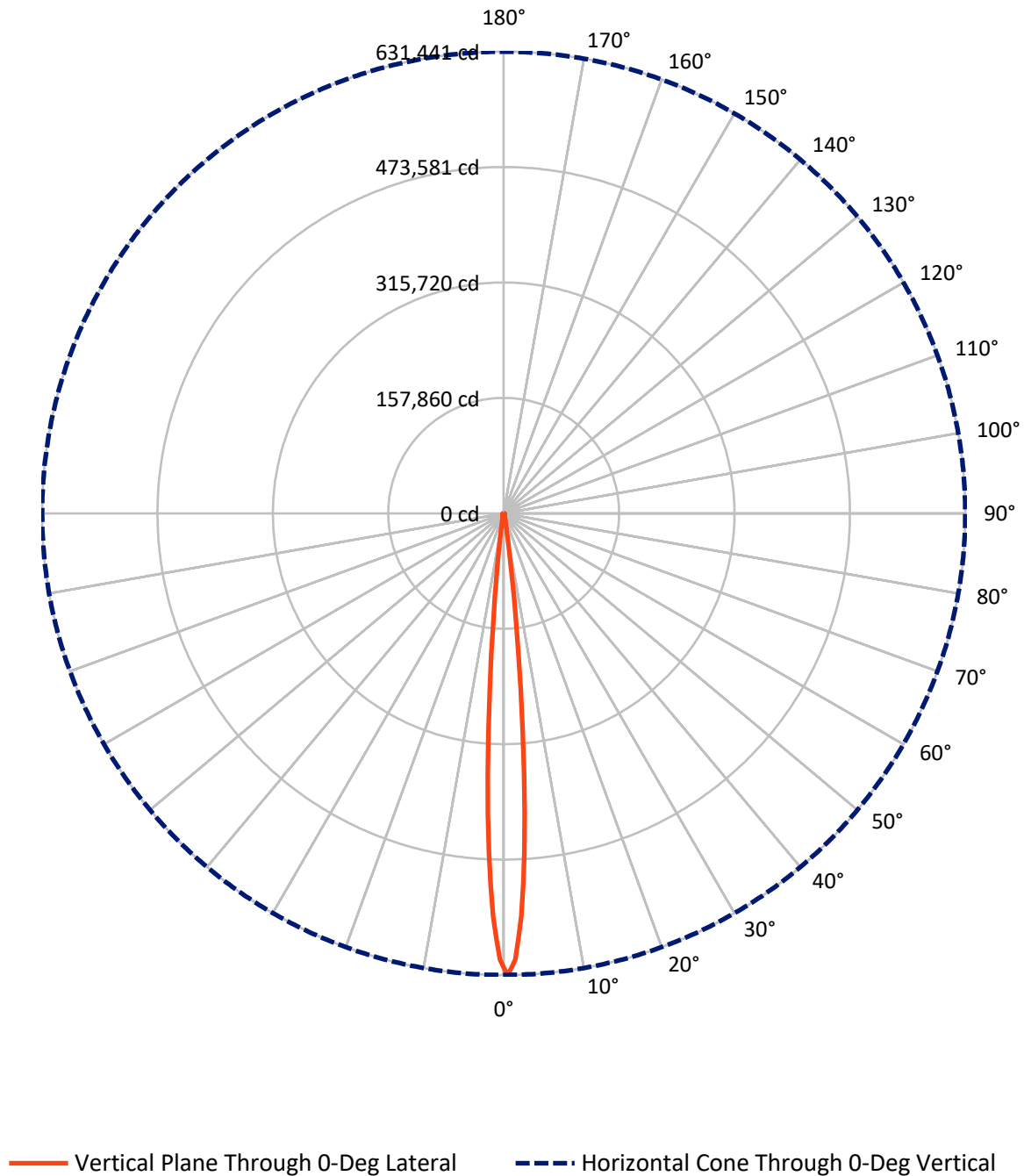
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1578.6 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	13441.7	0.0	13441.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13441.7	0.0	13441.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	26883.3	0.0	26883.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16968.1	63.1
10°-20°	2097.0	7.8
20°-30°	1256.4	4.7
30°-40°	1350.9	5.0
40°-50°	1816.5	6.8
50°-60°	1619.3	6.0
60°-70°	1069.6	4.0
70°-80°	530.3	2.0
80°-90°	175.1	0.7
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°	26883.3	100.0
0°-180°	26883.3	100.0



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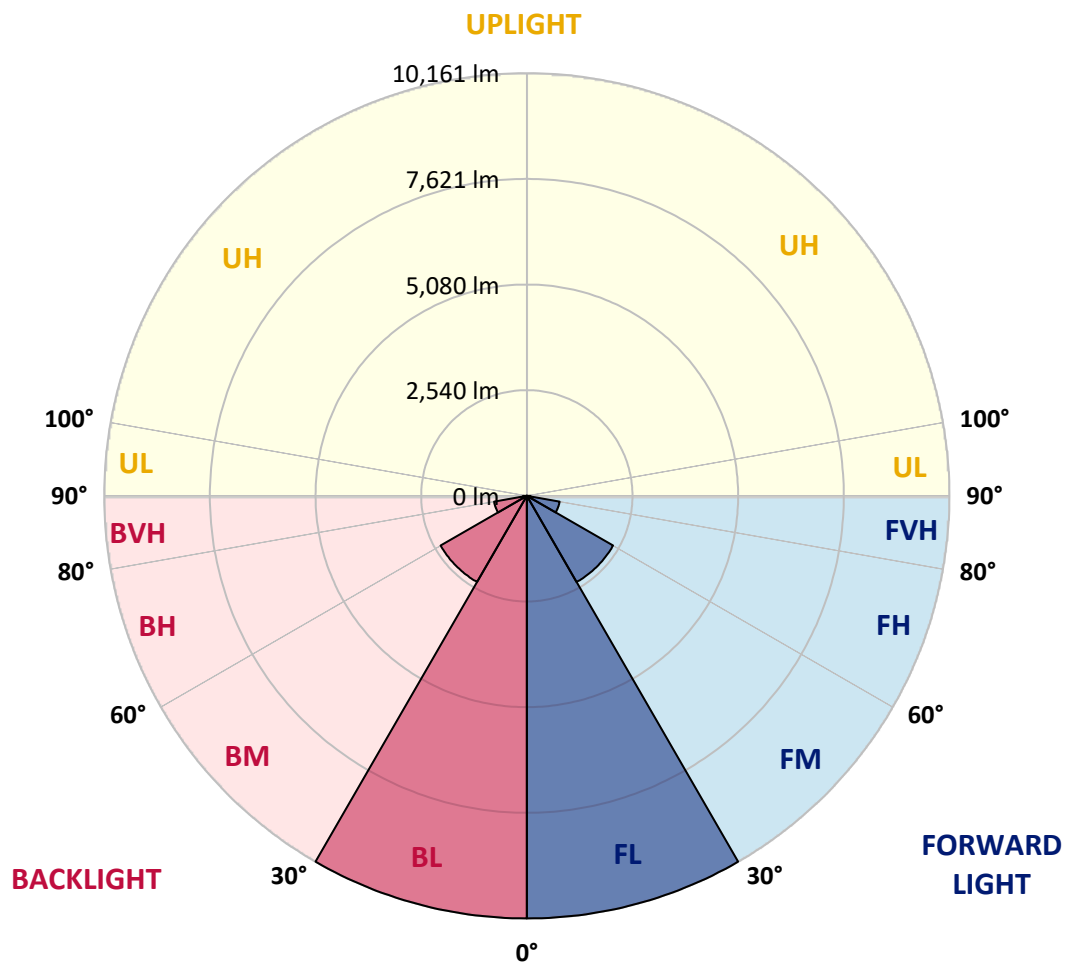
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10160.8	37.8			
FM	(30°-60°)	2393.4	8.9			
FH	(60°-80°)	799.9	3.0			G1/1800
FVH	(80°-90°)	87.5	0.3			G1/100
BL	(0°-30°)	10160.8	37.8	B5		
BM	(30°-60°)	2393.4	8.9	B2/2500		
BH	(60°-80°)	799.9	3.0	B2/1000		G1/1800
BVH	(80°-90°)	87.5	0.3			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°	631440.8	631440.8	631440.8	631440.8	631440.8	631440.8	631440.8	631440.8	631440.8	631440.8
1°	610275.8	604011.9	607233.7	610313.0	614631.5	616533.6	618472.9	619922.7	619897.9	622289.5
2°	551991.8	541898.8	546576.6	552313.9	563410.7	566595.3	571917.5	578503.7	578906.4	584866.8
3°	465262.7	451092.8	457982.6	468199.5	486594.9	491353.3	499884.9	505907.3	503218.3	510194.8
4°	357027.9	338539.6	349066.3	364190.3	382096.2	400262.3	400621.7	404940.2	396074.0	395646.5
5°	240874.9	224573.7	238080.6	256996.4	272467.4	285162.6	292981.7	293520.8	283935.8	283062.2
6°	146909.1	136122.2	147875.6	167894.3	189325.7	194604.5	195800.3	193086.5	180515.2	173557.3
7°	81196.2	76797.2	88284.2	100229.8	116939.9	124666.1	119319.1	110644.9	106797.3	98513.5
8°	44777.2	42608.7	45886.2	56208.5	69176.3	74250.7	69089.6	60080.9	53593.8	51301.4
9°	26995.2	25793.2	27131.5	31059.6	36660.7	40179.9	37224.5	32788.3	30049.7	29287.6
10°	17930.7	17459.8	18029.8	19355.7	21369.4	22397.9	21660.6	19901.0	19070.7	19021.2
12.5°	9411.4	9324.7	9467.2	9615.9	9962.9	10018.6	9888.5	9764.6	9572.5	9646.9
15°	6059.5	5979.0	6127.7	6319.7	6406.5	6462.2	6468.4	6400.3	6270.2	6208.2
17.5°	4417.6	4436.2	4448.6	4560.1	4727.4	4857.5	4801.8	4727.4	4578.7	4504.4
20°	3636.9	3643.1	3667.9	3729.9	3785.6	3965.3	3909.6	3798.0	3655.5	3599.8
22.5°	3110.3	3122.7	3135.1	3172.3	3184.7	3234.2	3240.4	3141.3	3060.7	3029.8
25°	2738.6	2738.6	2757.1	2788.1	2800.5	2763.3	2769.5	2726.2	2651.8	2614.6
27.5°	2323.4	2335.8	2354.4	2366.8	2342.0	2298.6	2242.9	2280.1	2242.9	2156.1
30°	2069.4	2081.8	2137.6	2100.4	2044.6	1988.9	1957.9	2007.4	2013.6	1939.3
32.5°	2050.8	2057.0	2075.6	2057.0	1988.9	1920.7	1877.3	1933.1	1945.5	1914.5
35°	2143.8	2125.2	2149.9	2162.3	2094.2	2019.8	1964.1	2013.6	2050.8	2063.2
37.5°	2596.0	2490.7	2410.2	2385.4	2342.0	2292.5	2218.1	2230.5	2298.6	2360.6
40°	2472.1	2447.3	2416.4	2335.8	2255.3	2317.2	2230.5	2205.7	2360.6	2373.0
42.5°	2453.5	2472.1	2447.3	2348.2	2267.7	2329.6	2311.0	2236.7	2391.6	2373.0
45°	2465.9	2484.5	2540.3	2373.0	2304.8	2335.8	2373.0	2292.5	2447.3	2385.4
47.5°	2366.8	2391.6	2453.5	2360.6	2317.2	2311.0	2366.8	2292.5	2373.0	2366.8
50°	2236.7	2261.5	2280.1	2199.5	2280.1	2236.7	2242.9	2211.9	2211.9	2224.3
52.5°	2069.4	2094.2	2112.8	2019.8	2069.4	2088.0	2013.6	2007.4	1951.7	1970.3
55°	1864.9	1902.1	1920.7	1883.5	1858.7	1895.9	1790.6	1778.2	1666.7	1672.9
57.5°	1629.5	1666.7	1685.3	1728.6	1710.0	1635.7	1573.7	1524.2	1400.3	1350.7
60°	1679.1	1716.2	1679.1	1555.2	1555.2	1387.9	1332.1	1226.8	1102.9	1040.9
62.5°	1623.3	1672.9	1666.7	1536.6	1381.7	1171.0	1071.9	960.4	836.4	755.9
65°	1530.4	1579.9	1555.2	1468.4	1319.7	1003.7	855.0	743.5	588.6	570.0
67.5°	1375.5	1449.8	1400.3	1344.5	1226.8	910.8	681.5	557.6	427.5	427.5
70°	1140.0	1195.8	1226.8	1164.8	1096.7	855.0	582.4	427.5	309.8	235.4
72.5°	917.0	966.5	1016.1	985.1	923.2	774.5	520.4	340.8	223.0	136.3
75°	508.1	526.6	545.2	619.6	706.3	632.0	477.1	297.4	185.9	105.3
77.5°	390.3	408.9	452.3	415.1	384.1	489.5	520.4	347.0	161.1	74.3
80°	303.6	328.4	464.7	384.1	328.4	371.7	446.1	303.6	105.3	37.2
82.5°	229.2	247.8	328.4	365.6	347.0	278.8	241.6	204.5	92.9	24.8
85°	167.3	192.1	229.2	204.5	198.3	198.3	266.4	179.7	68.2	18.6
87.5°	99.1	99.1	105.3	99.1	92.9	92.9	105.3	86.7	43.4	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

631440.8

617481.6
579600.3
502735.0
393762.9
279524.4
174164.5
94622.6
49219.6
28252.9
18432.6
9368.1
6109.1
4423.8
3537.8
2992.6
2583.7
2162.3
1914.5
1895.9
2063.2
2416.4
2391.6
2360.6
2366.8
2354.4
2180.9
1939.3
1629.5
1319.7
991.3
743.5
570.0
377.9
210.7
130.1
92.9
37.2
24.8
18.6
12.4
12.4
0.0

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