

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: P635865

Luminaire Tested: **IFLD-L-SA8C-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635865
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23553.6 lumens
Efficiency: N/A
Efficacy: 56.0 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

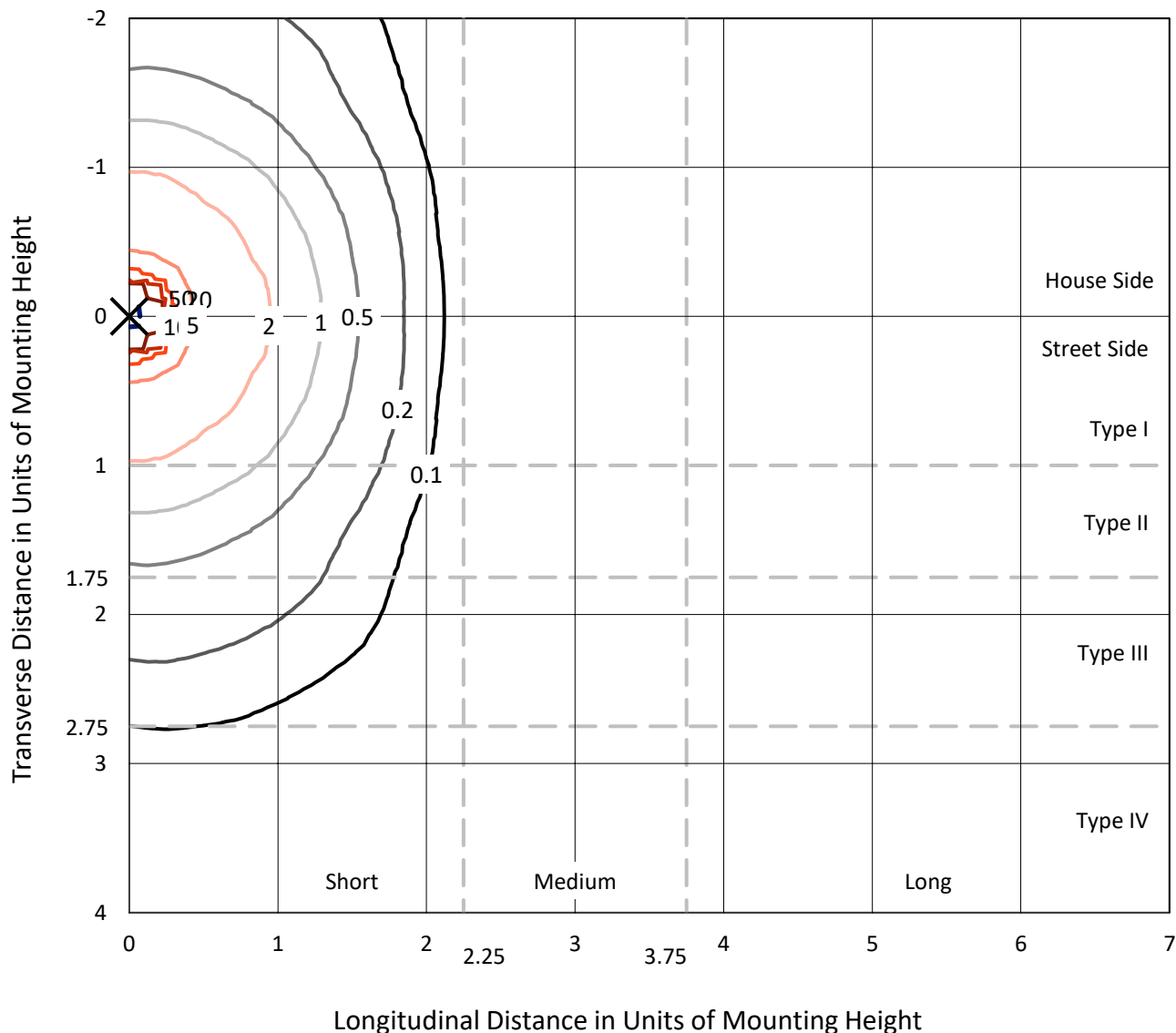


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

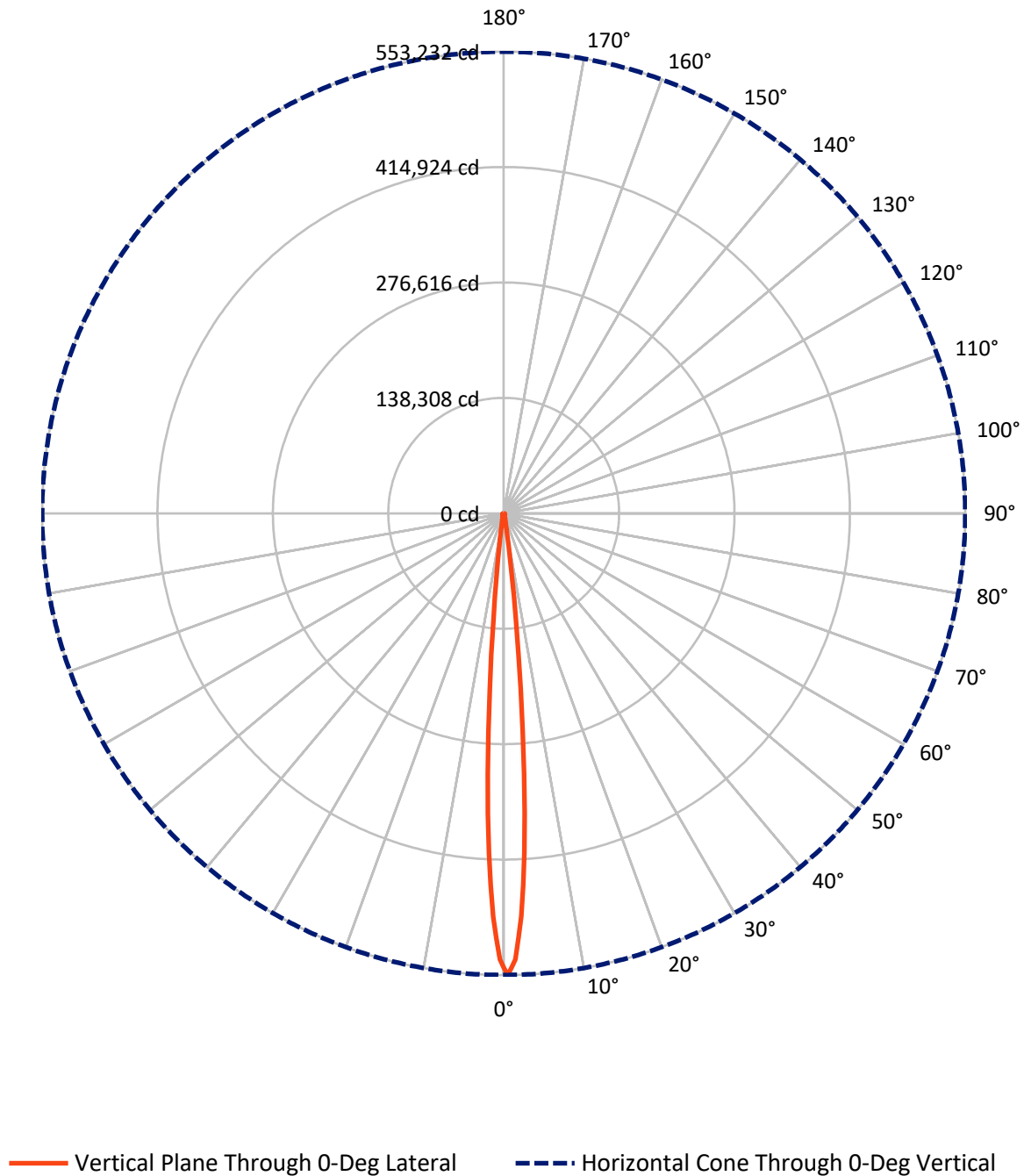
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1383.1 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	11776.8	0.0	11776.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11776.8	0.0	11776.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	23553.6	0.0	23553.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14866.5	63.1
10°-20°	1837.3	7.8
20°-30°	1100.8	4.7
30°-40°	1183.6	5.0
40°-50°	1591.5	6.8
50°-60°	1418.7	6.0
60°-70°	937.1	4.0
70°-80°	464.6	2.0
80°-90°	153.4	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°	23553.6	100.0
0°-180°	23553.6	100.0



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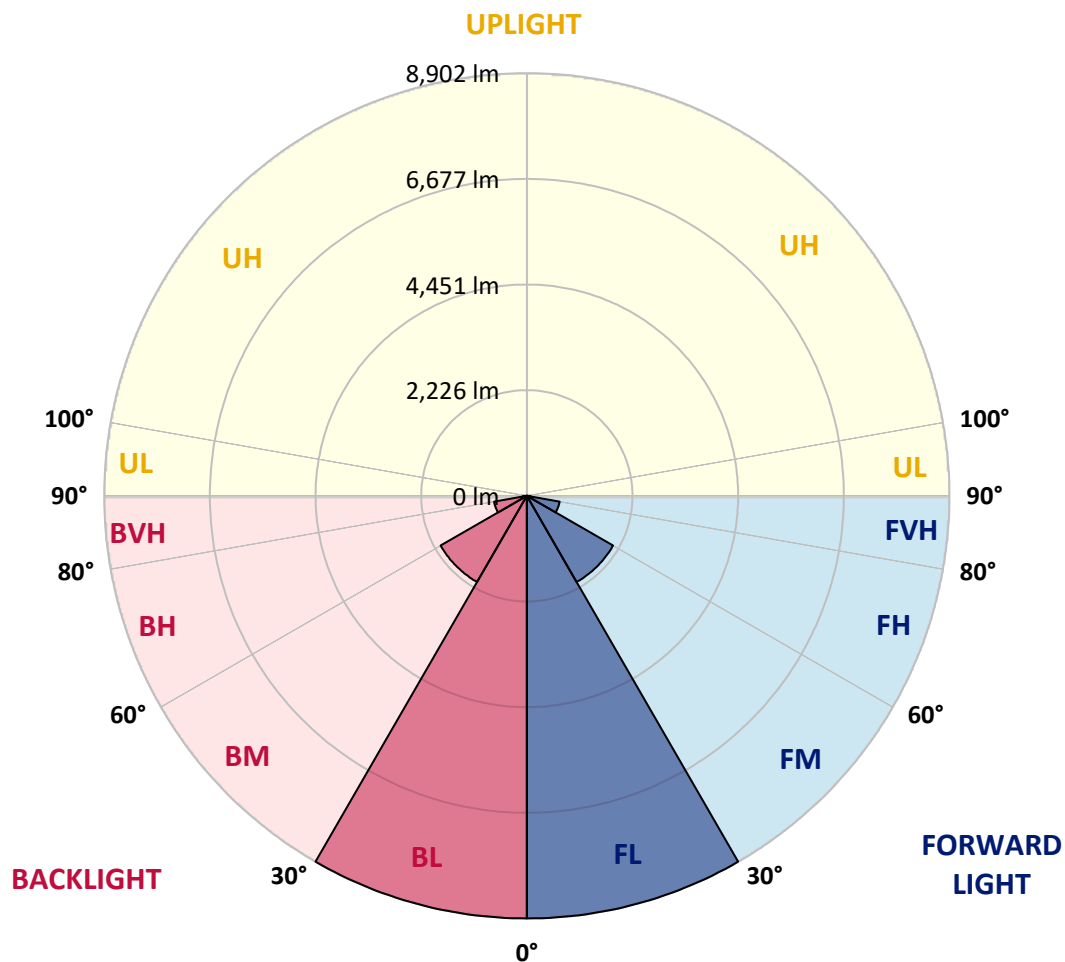
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8902.3	37.8			
FM	(30°-60°)	2096.9	8.9			
FH	(60°-80°)	700.9	3.0			G1/1800
FVH	(80°-90°)	76.7	0.3			G1/100
BL	(0°-30°)	8902.3	37.8	B5		
BM	(30°-60°)	2096.9	8.9	B2/2500		
BH	(60°-80°)	700.9	3.0	B2/1000		G1/1800
BVH	(80°-90°)	76.7	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°	553231.6	553231.6	553231.6	553231.6	553231.6	553231.6	553231.6	553231.6	553231.6	553231.6
1°	534688.1	529200.0	532022.8	534720.7	538504.3	540170.8	541869.9	543140.2	543118.4	545213.8
2°	483623.0	474780.1	478878.6	483905.3	493627.6	496417.8	501080.8	506851.2	507204.0	512426.2
3°	407636.0	395221.3	401257.7	410209.1	426326.1	430495.1	437970.0	443246.5	440890.5	447002.9
4°	312807.0	296608.6	305831.5	319082.3	334770.4	350686.5	351001.4	354785.0	347016.9	346642.4
5°	211040.5	196758.4	208592.3	225165.3	238720.0	249842.8	256693.5	257165.8	248768.0	248002.6
6°	128713.2	119262.3	129560.0	147099.2	165876.1	170501.1	171548.8	169171.2	158156.9	152060.8
7°	71139.4	67285.2	77349.5	87815.5	102455.9	109225.2	104540.4	96940.7	93569.6	86311.8
8°	39231.2	37331.2	40202.8	49246.6	60608.3	65054.1	60532.3	52639.3	46955.8	44947.3
9°	23651.6	22598.5	23771.0	27212.6	32119.9	35203.3	32613.9	28727.2	26327.8	25660.1
10°	15709.8	15297.3	15796.7	16958.4	18722.6	19623.7	18977.7	17436.1	16708.7	16665.2
12.5°	8245.8	8169.8	8294.6	8424.9	8728.9	8777.7	8663.8	8555.2	8386.9	8452.0
15°	5309.0	5238.4	5368.7	5537.0	5613.0	5661.8	5667.3	5607.6	5493.6	5439.3
17.5°	3870.5	3886.7	3897.6	3995.3	4141.9	4255.9	4207.0	4141.9	4011.6	3946.5
20°	3186.5	3191.9	3213.6	3267.9	3316.8	3474.2	3425.3	3327.6	3202.8	3153.9
22.5°	2725.1	2735.9	2746.8	2779.3	2790.2	2833.6	2839.1	2752.2	2681.6	2654.5
25°	2399.4	2399.4	2415.6	2442.8	2453.6	2421.1	2426.5	2388.5	2323.4	2290.8
27.5°	2035.7	2046.5	2062.8	2073.7	2051.9	2013.9	1965.1	1997.7	1965.1	1889.1
30°	1813.1	1823.9	1872.8	1840.2	1791.4	1742.5	1715.4	1758.8	1764.2	1699.1
32.5°	1796.8	1802.2	1818.5	1802.2	1742.5	1682.8	1644.8	1693.7	1704.5	1677.4
35°	1878.2	1861.9	1883.7	1894.5	1834.8	1769.7	1720.8	1764.2	1796.8	1807.7
37.5°	2274.5	2182.2	2111.7	2089.9	2051.9	2008.5	1943.4	1954.2	2013.9	2068.2
40°	2165.9	2144.2	2117.1	2046.5	1975.9	2030.2	1954.2	1932.5	2068.2	2079.1
42.5°	2149.7	2165.9	2144.2	2057.4	1986.8	2041.1	2024.8	1959.7	2095.4	2079.1
45°	2160.5	2176.8	2225.7	2079.1	2019.4	2046.5	2079.1	2008.5	2144.2	2089.9
47.5°	2073.7	2095.4	2149.7	2068.2	2030.2	2024.8	2073.7	2008.5	2079.1	2073.7
50°	1959.7	1981.4	1997.7	1927.1	1997.7	1959.7	1965.1	1937.9	1937.9	1948.8
52.5°	1813.1	1834.8	1851.1	1769.7	1813.1	1829.4	1764.2	1758.8	1710.0	1726.2
55°	1634.0	1666.5	1682.8	1650.2	1628.5	1661.1	1568.8	1558.0	1460.2	1465.7
57.5°	1427.7	1460.2	1476.5	1514.5	1498.2	1433.1	1378.8	1335.4	1226.8	1183.4
60°	1471.1	1503.7	1471.1	1362.5	1362.5	1216.0	1167.1	1074.8	966.3	912.0
62.5°	1422.2	1465.7	1460.2	1346.2	1210.5	1026.0	939.1	841.4	732.8	662.3
65°	1340.8	1384.2	1362.5	1286.5	1156.3	879.4	749.1	651.4	515.7	499.4
67.5°	1205.1	1270.2	1226.8	1178.0	1074.8	798.0	597.1	488.6	374.6	374.6
70°	998.8	1047.7	1074.8	1020.5	960.8	749.1	510.3	374.6	271.4	206.3
72.5°	803.4	846.8	890.3	863.1	808.8	678.6	456.0	298.6	195.4	119.4
75°	445.1	461.4	477.7	542.8	618.8	553.7	418.0	260.6	162.9	92.3
77.5°	342.0	358.3	396.3	363.7	336.6	428.8	456.0	304.0	141.1	65.1
80°	266.0	287.7	407.1	336.6	287.7	325.7	390.8	266.0	92.3	32.6
82.5°	200.9	217.1	287.7	320.3	304.0	244.3	211.7	179.1	81.4	21.7
85°	146.6	168.3	200.9	179.1	173.7	173.7	233.4	157.4	59.7	16.3
87.5°	86.9	86.9	92.3	86.9	81.4	81.4	92.3	76.0	38.0	10.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

553231.6

541001.4
507812.0
440467.1
344992.1
244903.0
152592.8
82902.8
43123.3
24753.6
16149.5
8207.8
5352.4
3875.9
3099.6
2621.9
2263.6
1894.5
1677.4
1661.1
1807.7
2117.1
2095.4
2068.2
2073.7
2062.8
1910.8
1699.1
1427.7
1156.3
868.5
651.4
499.4
331.1
184.6
114.0
81.4
32.6
21.7
16.3
10.9
10.9
0.0

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