

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: P635947

Luminaire Tested: **IFLD-L-SA7C-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635947
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23522.8 lumens
Efficiency: N/A
Efficacy: 63.7 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): 369
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



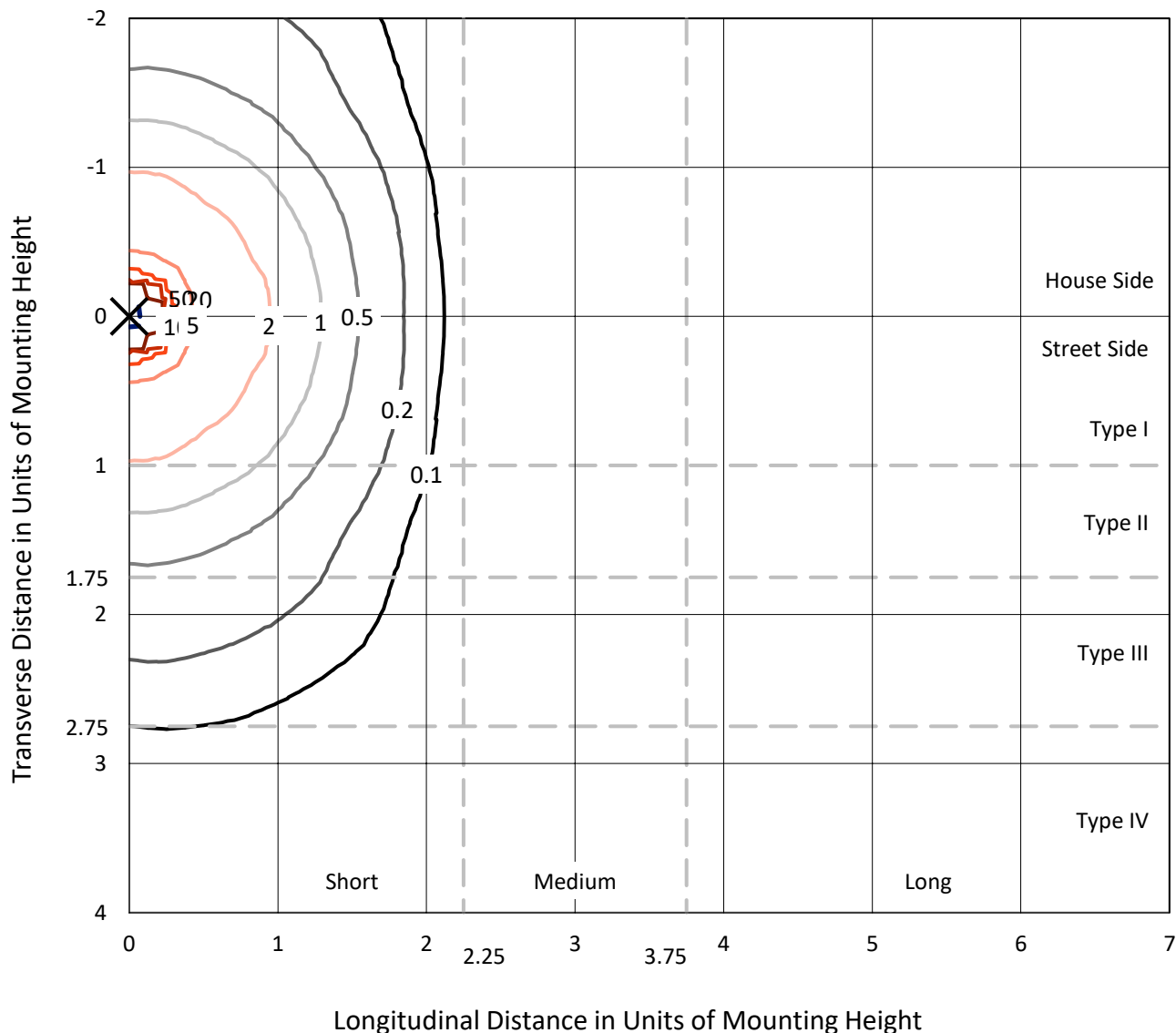
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

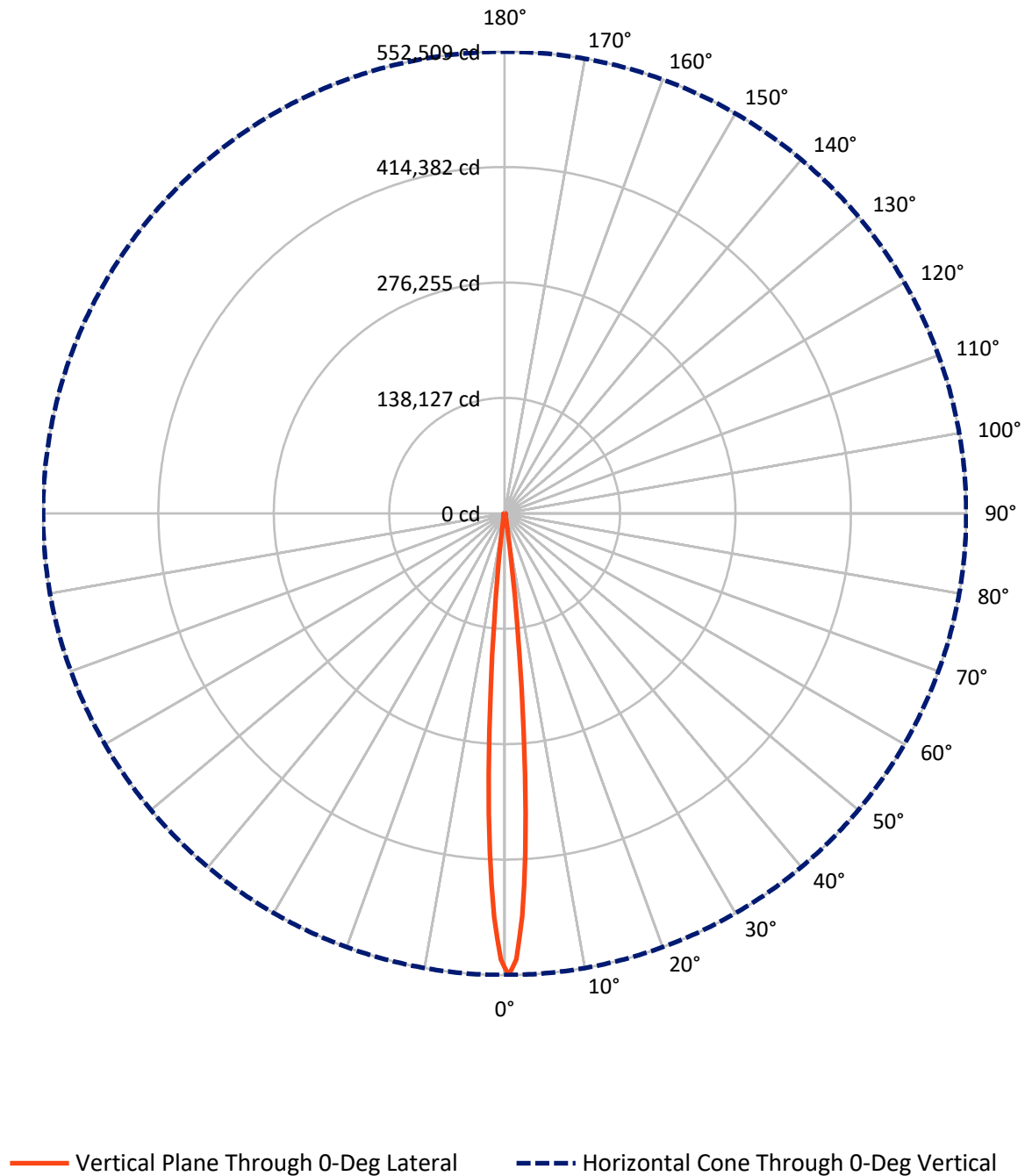


Based on 20 foot mounting height. Maximum calculated value = 1381.3 fc

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	11761.4	0.0	11761.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11761.4	0.0	11761.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	23522.8	0.0	23522.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14847.1	63.1
10°-20°	1834.9	7.8
20°-30°	1099.4	4.7
30°-40°	1182.1	5.0
40°-50°	1589.4	6.8
50°-60°	1416.9	6.0
60°-70°	935.9	4.0
70°-80°	464.0	2.0
80°-90°	153.2	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°	23522.8	100.0
0°-180°	23522.8	100.0



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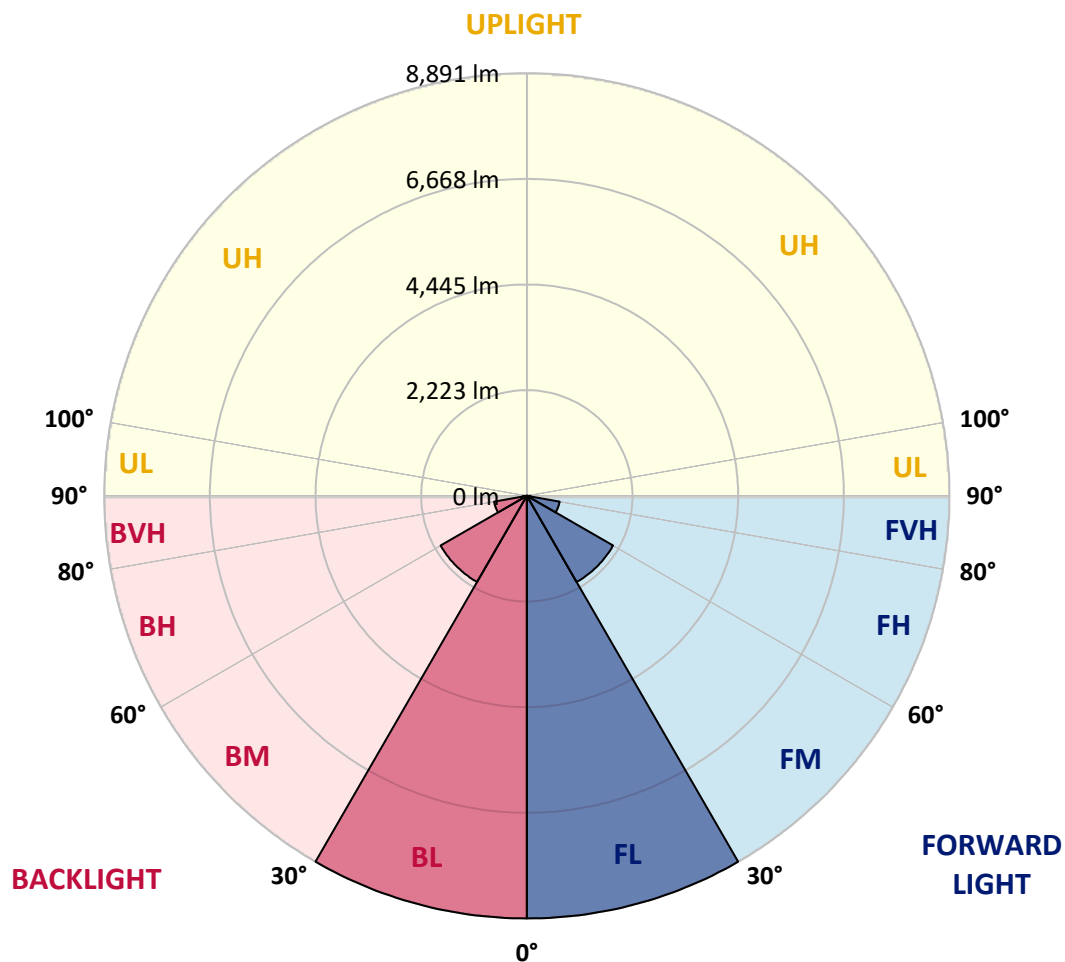
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8890.7	37.8			
FM	(30°-60°)	2094.2	8.9			
FH	(60°-80°)	700.0	3.0			G1/1800
FVH	(80°-90°)	76.6	0.3			G1/100
BL	(0°-30°)	8890.7	37.8	B5		
BM	(30°-60°)	2094.2	8.9	B2/2500		
BH	(60°-80°)	700.0	3.0	B2/1000		G1/1800
BVH	(80°-90°)	76.6	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°	552509.1	552509.1	552509.1	552509.1	552509.1	552509.1	552509.1	552509.1	552509.1	552509.1
1°	533989.9	528508.9	531328.0	534022.4	537801.1	539465.4	541162.3	542430.9	542409.2	544501.8
2°	482991.5	474160.1	478253.2	483273.4	492983.0	495769.5	500426.5	506189.3	506541.7	511757.0
3°	407103.7	394705.2	400733.7	409673.4	425769.4	429932.9	437398.1	442667.6	440314.8	446419.2
4°	312398.6	296221.3	305432.2	318665.6	334333.3	350228.6	350543.0	354321.7	346563.8	346189.7
5°	210764.9	196501.4	208319.9	224871.2	238408.3	249516.6	256358.3	256830.0	248443.2	247678.8
6°	128545.1	119106.6	129390.8	146907.1	165659.5	170278.5	171324.8	168950.2	157950.4	151862.2
7°	71046.5	67197.4	77248.5	87700.8	102322.1	109082.5	104403.9	96814.1	93447.4	86199.1
8°	39179.9	37282.5	40150.3	49182.3	60529.1	64969.2	60453.2	52570.6	46894.5	44888.6
9°	23620.7	22569.0	23740.0	27177.1	32078.0	35157.3	32571.3	28689.7	26293.4	25626.6
10°	15689.3	15277.3	15776.1	16936.2	18698.2	19598.1	18953.0	17413.3	16686.8	16643.5
12.5°	8235.0	8159.1	8283.8	8413.9	8717.5	8766.3	8652.4	8544.0	8376.0	8441.0
15°	5302.1	5231.6	5361.7	5529.8	5605.7	5654.4	5659.9	5600.2	5486.4	5432.2
17.5°	3865.4	3881.7	3892.5	3990.1	4136.5	4250.3	4201.5	4136.5	4006.4	3941.3
20°	3182.3	3187.7	3209.4	3263.6	3312.4	3469.6	3420.9	3323.3	3198.6	3149.8
22.5°	2721.5	2732.3	2743.2	2775.7	2786.6	2829.9	2835.4	2748.6	2678.1	2651.0
25°	2396.2	2396.2	2412.5	2439.6	2450.4	2417.9	2423.3	2385.4	2320.3	2287.8
27.5°	2033.0	2043.8	2060.1	2070.9	2049.3	2011.3	1962.5	1995.0	1962.5	1886.6
30°	1810.7	1821.6	1870.4	1837.8	1789.0	1740.2	1713.1	1756.5	1761.9	1696.9
32.5°	1794.5	1799.9	1816.1	1799.9	1740.2	1680.6	1642.7	1691.5	1702.3	1675.2
35°	1875.8	1859.5	1881.2	1892.0	1832.4	1767.4	1718.6	1761.9	1794.5	1805.3
37.5°	2271.5	2179.4	2108.9	2087.2	2049.3	2005.9	1940.8	1951.7	2011.3	2065.5
40°	2163.1	2141.4	2114.3	2043.8	1973.4	2027.6	1951.7	1930.0	2065.5	2076.4
42.5°	2146.8	2163.1	2141.4	2054.7	1984.2	2038.4	2022.2	1957.1	2092.6	2076.4
45°	2157.7	2174.0	2222.7	2076.4	2016.7	2043.8	2076.4	2005.9	2141.4	2087.2
47.5°	2070.9	2092.6	2146.8	2065.5	2027.6	2022.2	2070.9	2005.9	2076.4	2070.9
50°	1957.1	1978.8	1995.0	1924.6	1995.0	1957.1	1962.5	1935.4	1935.4	1946.3
52.5°	1810.7	1832.4	1848.7	1767.4	1810.7	1827.0	1761.9	1756.5	1707.7	1724.0
55°	1631.8	1664.3	1680.6	1648.1	1626.4	1658.9	1566.8	1555.9	1458.3	1463.8
57.5°	1425.8	1458.3	1474.6	1512.6	1496.3	1431.2	1377.0	1333.6	1225.2	1181.8
60°	1469.2	1501.7	1469.2	1360.8	1360.8	1214.4	1165.6	1073.4	965.0	910.8
62.5°	1420.4	1463.8	1458.3	1344.5	1209.0	1024.6	937.9	840.3	731.9	661.4
65°	1339.1	1382.4	1360.8	1284.9	1154.7	878.3	748.1	650.6	515.0	498.8
67.5°	1203.5	1268.6	1225.2	1176.4	1073.4	796.9	596.3	487.9	374.1	374.1
70°	997.5	1046.3	1073.4	1019.2	959.6	748.1	509.6	374.1	271.1	206.0
72.5°	802.4	845.7	889.1	862.0	807.8	677.7	455.4	298.2	195.2	119.3
75°	444.5	460.8	477.1	542.1	618.0	553.0	417.4	260.2	162.6	92.2
77.5°	341.5	357.8	395.8	363.2	336.1	428.3	455.4	303.6	141.0	65.1
80°	265.6	287.3	406.6	336.1	287.3	325.3	390.3	265.6	92.2	32.5
82.5°	200.6	216.9	287.3	319.9	303.6	244.0	211.4	178.9	81.3	21.7
85°	146.4	168.1	200.6	178.9	173.5	173.5	233.1	157.2	59.6	16.3
87.5°	86.7	86.7	92.2	86.7	81.3	81.3	92.2	75.9	37.9	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

552509.1
540294.9
507148.9
439891.9
344541.6
244583.2
152393.5
82794.5
43067.0
24721.3
16128.4
8197.0
5345.4
3870.8
3095.6
2618.5
2260.7
1892.0
1675.2
1658.9
1805.3
2114.3
2092.6
2065.5
2070.9
2060.1
1908.3
1696.9
1425.8
1154.7
867.4
650.6
498.8
330.7
184.3
113.8
81.3
32.5
21.7
16.3
10.8
10.8
0.0

OF REPORT)