

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: P635889

Luminaire Tested: **IFLD-L-SA7C-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635889
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20833.9 lumens
Efficiency: N/A
Efficacy: 56.5 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



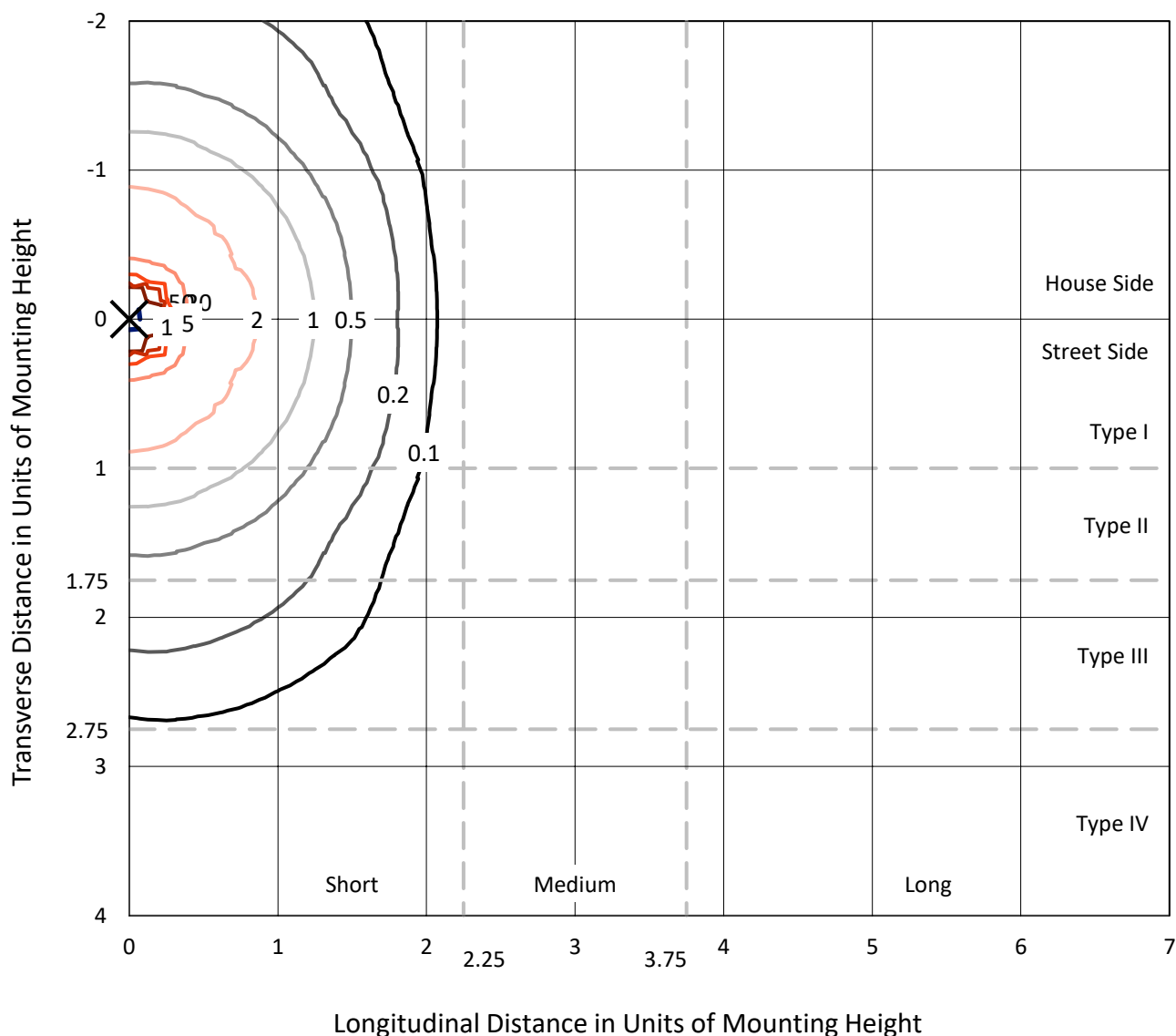
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

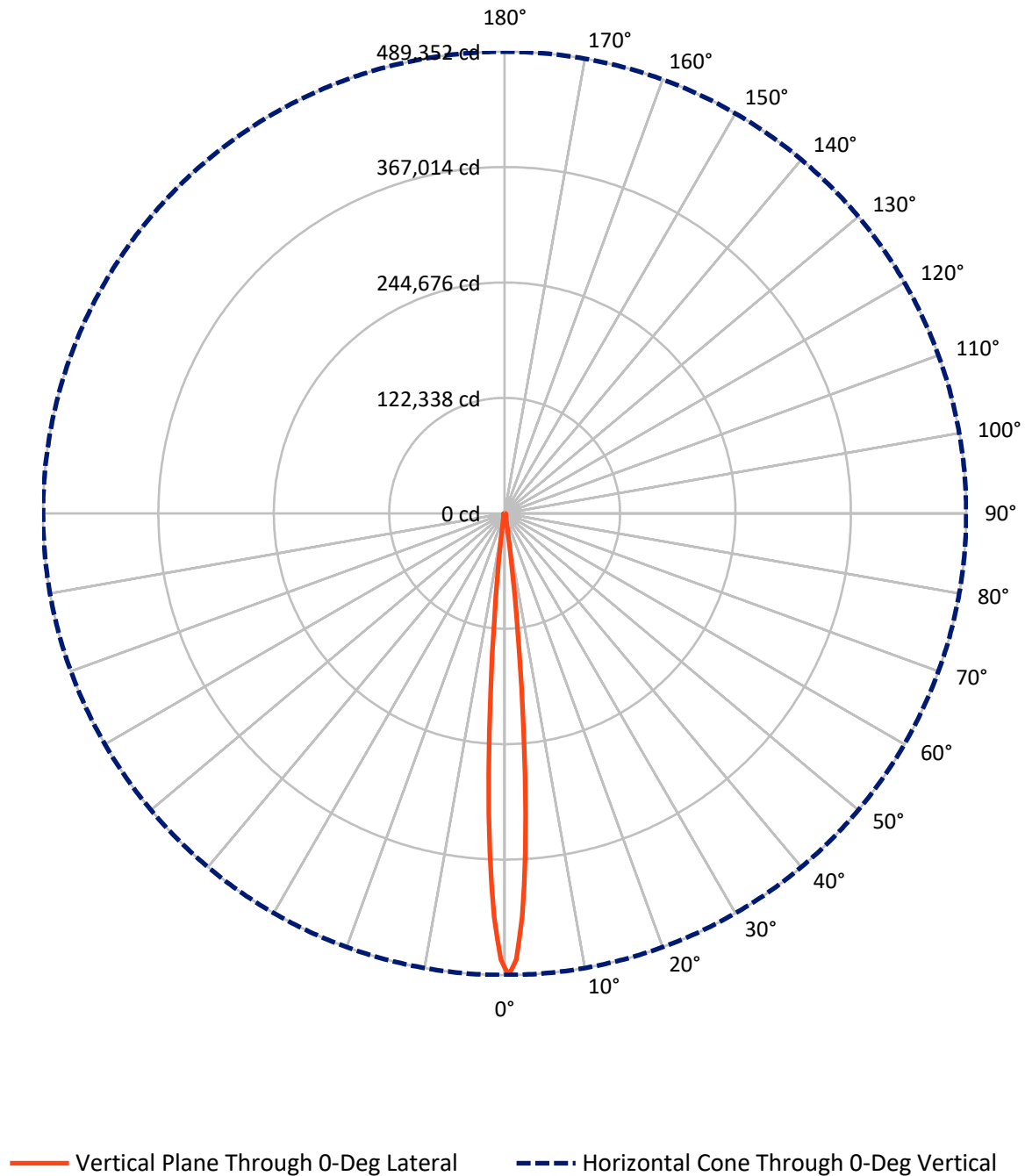


Based on 20 foot mounting height. Maximum calculated value = 1223.4 fc

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	10417.0	0.0	10417.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10417.0	0.0	10417.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20833.9	0.0	20833.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13149.9	63.1
10°-20°	1625.2	7.8
20°-30°	973.7	4.7
30°-40°	1047.0	5.0
40°-50°	1407.7	6.8
50°-60°	1254.9	6.0
60°-70°	828.9	4.0
70°-80°	411.0	2.0
80°-90°	135.7	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°	20833.9	100.0
0°-180°	20833.9	100.0



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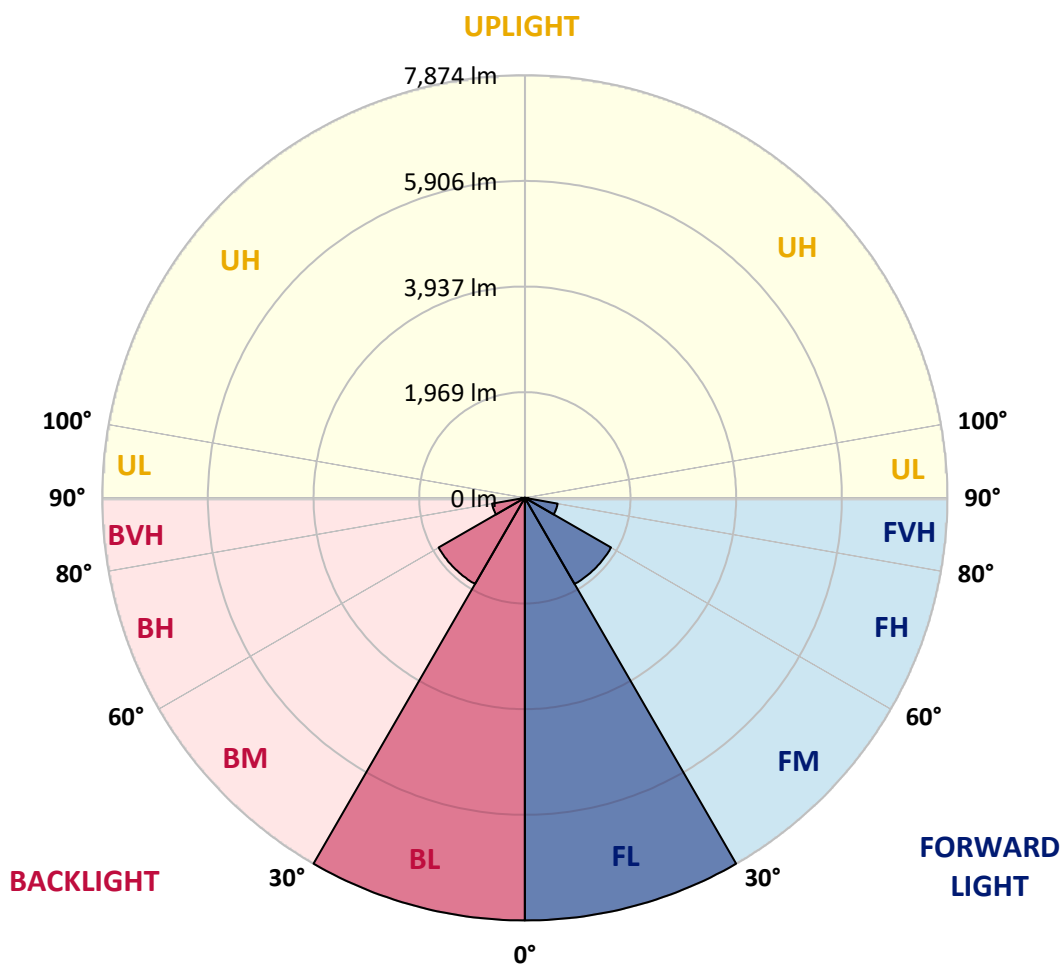
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7874.4	37.8			
FM	(30°-60°)	1854.8	8.9			
FH	(60°-80°)	619.9	3.0			G0/660
FVH	(80°-90°)	67.8	0.3			G1/100
BL	(0°-30°)	7874.4	37.8	B5		
BM	(30°-60°)	1854.8	8.9	B2/2500		
BH	(60°-80°)	619.9	3.0	B2/1000		G0/660
BVH	(80°-90°)	67.8	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°	489352.1	489352.1	489352.1	489352.1	489352.1	489352.1	489352.1	489352.1	489352.1	489352.1
1°	472949.8	468095.4	470592.2	472978.6	476325.3	477799.4	479302.3	480425.9	480406.7	482260.1
2°	427781.0	419959.1	423584.4	428030.7	436630.4	439098.4	443223.0	448327.1	448639.2	453258.4
3°	360567.9	349586.6	354926.0	362843.9	377099.9	380787.5	387399.4	392066.5	389982.6	395389.3
4°	276688.5	262360.4	270518.4	282239.1	296115.8	310194.1	310472.6	313819.4	306948.3	306616.9
5°	186672.5	174039.5	184507.0	199166.3	211156.0	220994.5	227054.1	227471.9	220043.8	219366.7
6°	113851.2	105491.6	114600.2	130114.3	146723.1	150814.0	151740.7	149637.6	139895.2	134502.9
7°	62925.2	59516.1	68418.3	77675.8	90625.7	96613.4	92469.6	85747.3	82765.5	76345.7
8°	34701.3	33020.7	35560.8	43560.3	53610.1	57542.6	53542.8	46561.3	41534.0	39757.4
9°	20920.7	19989.1	21026.3	24070.5	28411.2	31138.5	28848.1	25410.2	23287.8	22697.3
10°	13895.9	13531.0	13972.7	15000.3	16560.8	17357.9	16786.5	15422.8	14779.4	14741.0
12.5°	7293.7	7226.4	7336.9	7452.1	7721.0	7764.2	7663.4	7567.4	7418.5	7476.1
15°	4696.0	4633.6	4748.8	4897.7	4964.9	5008.1	5012.9	4960.1	4859.2	4811.2
17.5°	3423.6	3438.0	3447.6	3534.0	3663.6	3764.5	3721.3	3663.6	3548.4	3490.8
20°	2818.5	2823.4	2842.6	2890.6	2933.8	3073.0	3029.8	2943.4	2833.0	2789.7
22.5°	2410.4	2420.0	2429.6	2458.4	2468.0	2506.4	2511.2	2434.4	2372.0	2348.0
25°	2122.3	2122.3	2136.7	2160.7	2170.3	2141.5	2146.3	2112.7	2055.1	2026.3
27.5°	1800.6	1810.2	1824.6	1834.2	1815.0	1781.4	1738.2	1767.0	1738.2	1671.0
30°	1603.7	1613.3	1656.6	1627.7	1584.5	1541.3	1517.3	1555.7	1560.5	1502.9
32.5°	1589.3	1594.1	1608.5	1594.1	1541.3	1488.5	1454.9	1498.1	1507.7	1483.7
35°	1661.4	1647.0	1666.2	1675.8	1622.9	1565.3	1522.1	1560.5	1589.3	1598.9
37.5°	2011.9	1930.3	1867.8	1848.6	1815.0	1776.6	1719.0	1728.6	1781.4	1829.4
40°	1915.8	1896.6	1872.6	1810.2	1747.8	1795.8	1728.6	1709.4	1829.4	1839.0
42.5°	1901.4	1915.8	1896.6	1819.8	1757.4	1805.4	1791.0	1733.4	1853.4	1839.0
45°	1911.0	1925.4	1968.7	1839.0	1786.2	1810.2	1839.0	1776.6	1896.6	1848.6
47.5°	1834.2	1853.4	1901.4	1829.4	1795.8	1791.0	1834.2	1776.6	1839.0	1834.2
50°	1733.4	1752.6	1767.0	1704.6	1767.0	1733.4	1738.2	1714.2	1714.2	1723.8
52.5°	1603.7	1622.9	1637.4	1565.3	1603.7	1618.1	1560.5	1555.7	1512.5	1526.9
55°	1445.3	1474.1	1488.5	1459.7	1440.5	1469.3	1387.7	1378.1	1291.6	1296.4
57.5°	1262.8	1291.6	1306.0	1339.7	1325.2	1267.6	1219.6	1181.2	1085.2	1046.8
60°	1301.2	1330.0	1301.2	1205.2	1205.2	1075.6	1032.3	950.7	854.7	806.7
62.5°	1258.0	1296.4	1291.6	1190.8	1070.8	907.5	830.7	744.3	648.2	585.8
65°	1186.0	1224.4	1205.2	1138.0	1022.7	777.9	662.6	576.2	456.2	441.7
67.5°	1066.0	1123.6	1085.2	1042.0	950.7	705.8	528.2	432.1	331.3	331.3
70°	883.5	926.7	950.7	902.7	849.9	662.6	451.4	331.3	240.1	182.5
72.5°	710.6	749.1	787.5	763.5	715.4	600.2	403.3	264.1	172.9	105.6
75°	393.7	408.1	422.5	480.2	547.4	489.8	369.7	230.5	144.0	81.6
77.5°	302.5	316.9	350.5	321.7	297.7	379.3	403.3	268.9	124.8	57.6
80°	235.3	254.5	360.1	297.7	254.5	288.1	345.7	235.3	81.6	28.8
82.5°	177.7	192.1	254.5	283.3	268.9	216.1	187.3	158.5	72.0	19.2
85°	129.6	148.9	177.7	158.5	153.7	153.7	206.5	139.2	52.8	14.4
87.5°	76.8	76.8	81.6	76.8	72.0	72.0	81.6	67.2	33.6	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

489352.1
478534.1
449177.0
389608.1
305157.3
216625.0
134973.5
73330.3
38144.1
21895.4
14284.8
7260.0
4734.4
3428.4
2741.7
2319.2
2002.3
1675.8
1483.7
1469.3
1598.9
1872.6
1853.4
1829.4
1834.2
1824.6
1690.2
1502.9
1262.8
1022.7
768.3
576.2
441.7
292.9
163.3
100.8
72.0
28.8
19.2
14.4
9.6
9.6
0.0

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