

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: P635915

Luminaire Tested: **IFLD-M-SA4E-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635915
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17653 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 314.8
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

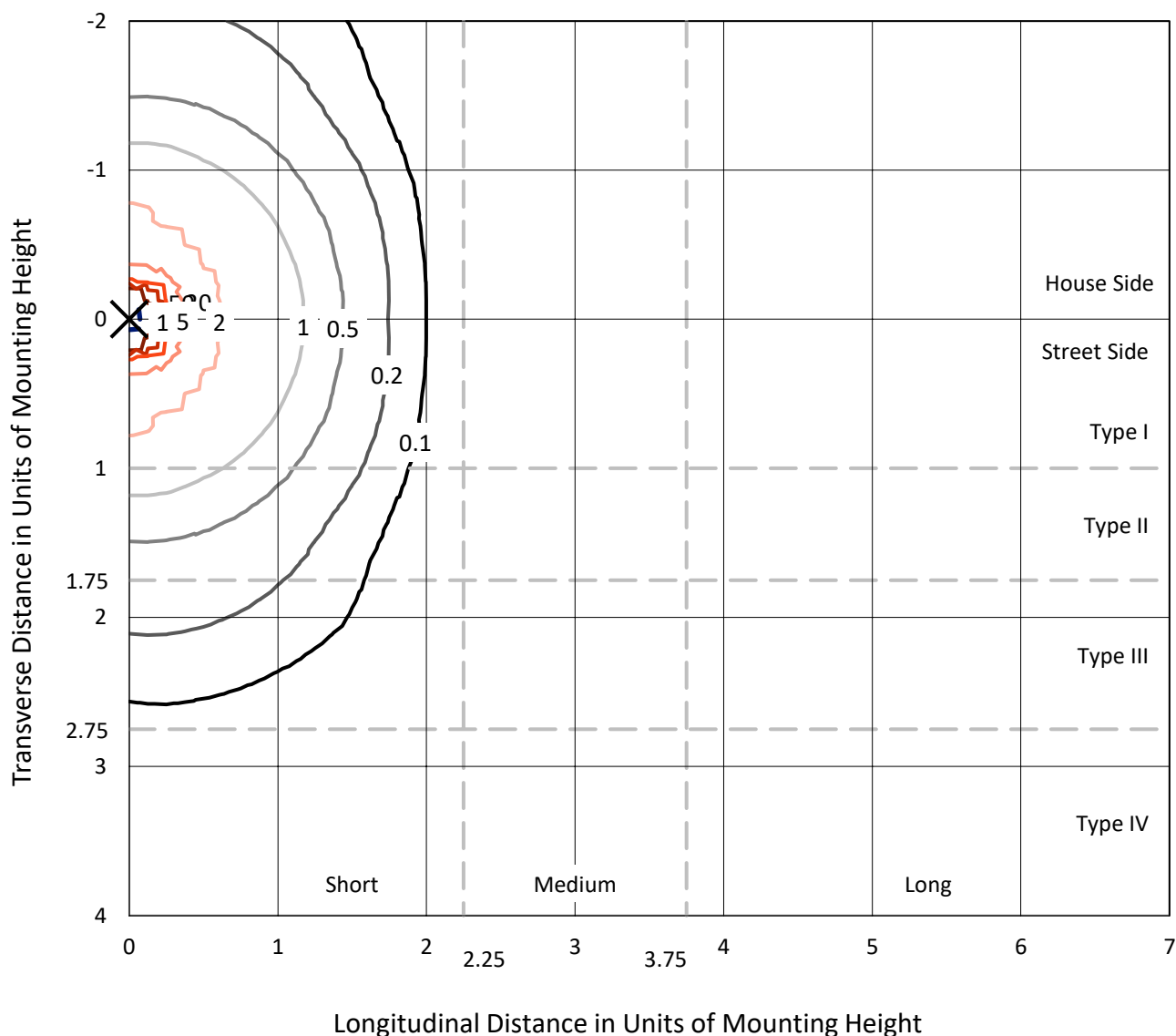


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

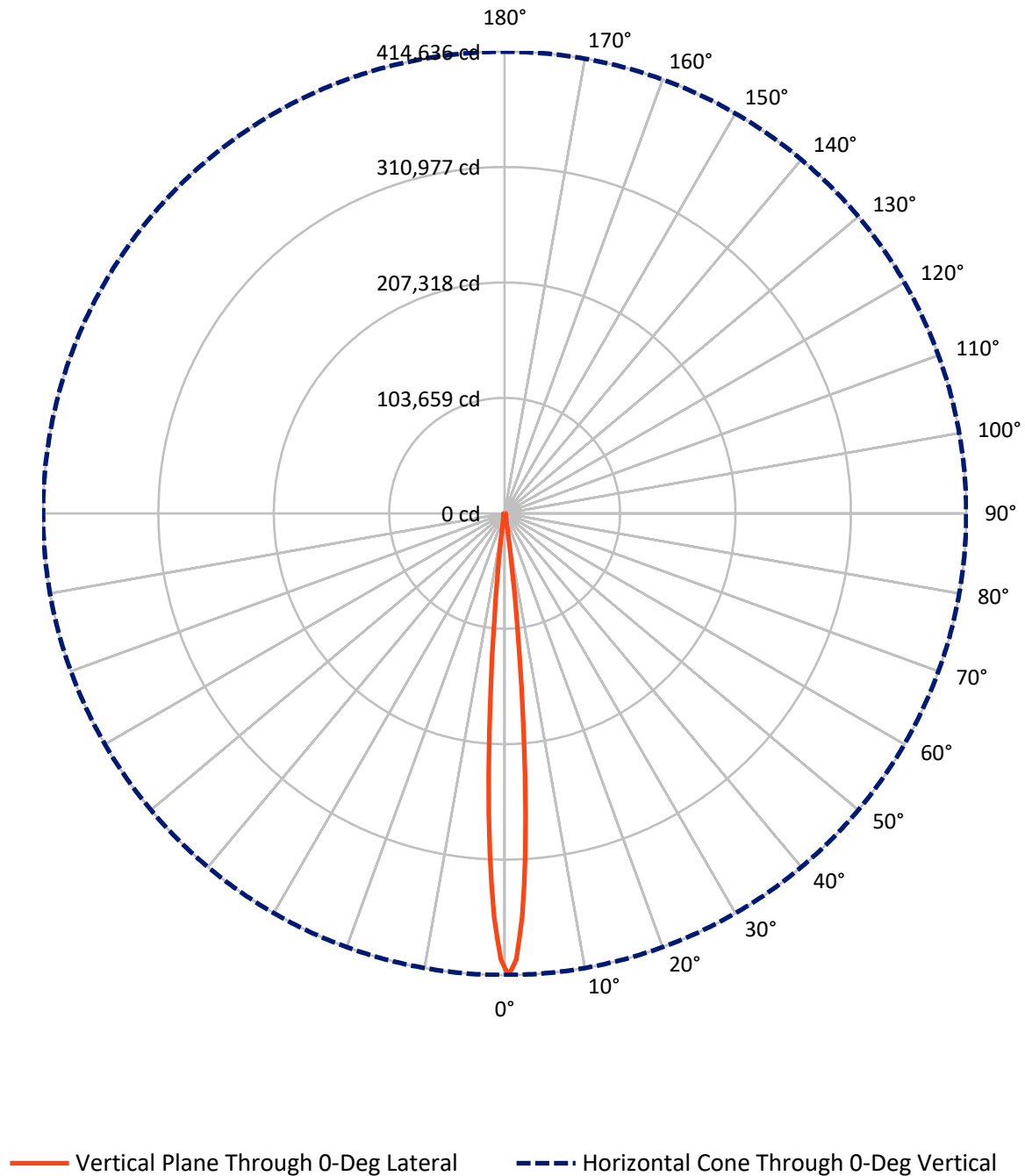
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1036.6 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	8826.5	0.0	8826.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8826.5	0.0	8826.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17653.0	0.0	17653.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11142.1	63.1
10°-20°	1377.0	7.8
20°-30°	825.0	4.7
30°-40°	887.1	5.0
40°-50°	1192.8	6.8
50°-60°	1063.3	6.0
60°-70°	702.3	4.0
70°-80°	348.2	2.0
80°-90°	115.0	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°	17653.0	100.0
0°-180°	17653.0	100.0



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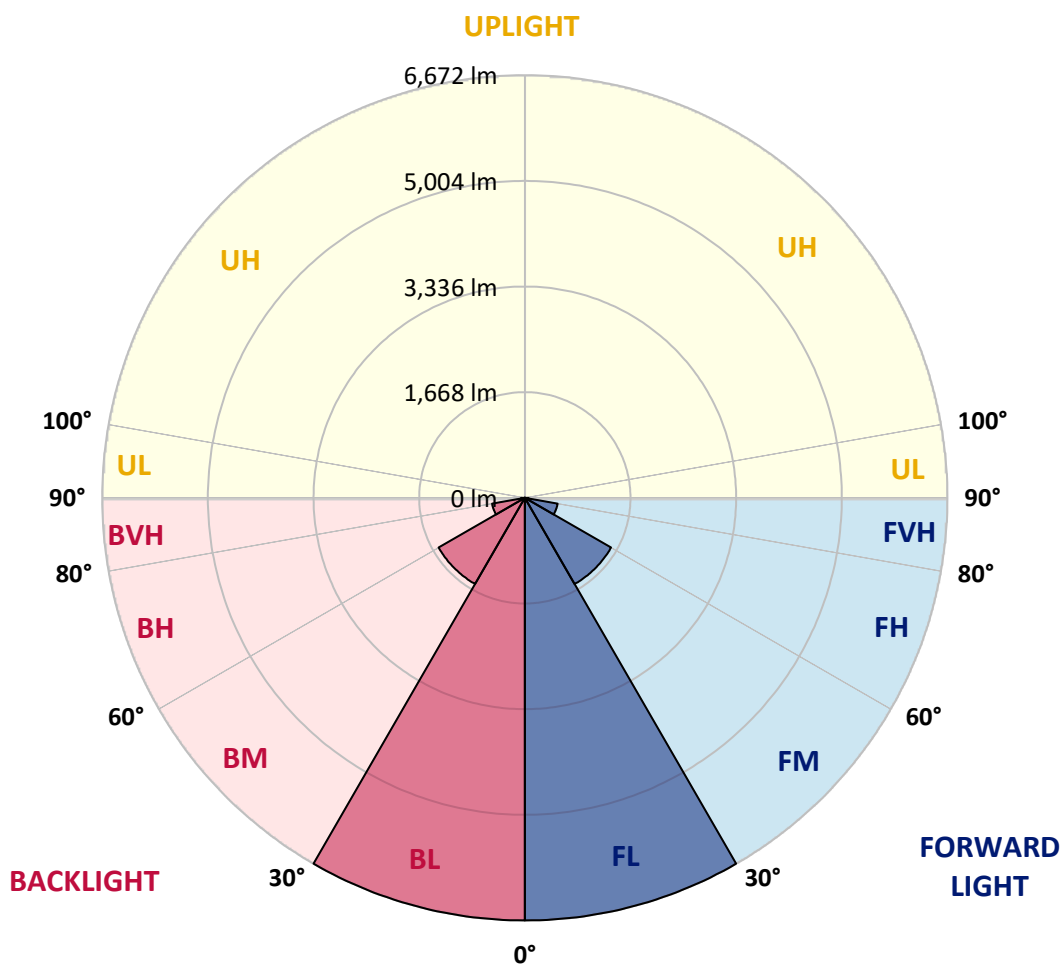
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6672.1	37.8			
FM	(30°-60°)	1571.6	8.9			
FH	(60°-80°)	525.3	3.0			G0/660
FVH	(80°-90°)	57.5	0.3			G1/100
BL	(0°-30°)	6672.1	37.8	B5		
BM	(30°-60°)	1571.6	8.9	B2/2500		
BH	(60°-80°)	525.3	3.0	B2/1000		G0/660
BVH	(80°-90°)	57.5	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°	414636.1	414636.1	414636.1	414636.1	414636.1	414636.1	414636.1	414636.1	414636.1	414636.1
1°	400738.1	396624.9	398740.5	400762.5	403598.3	404847.3	406120.7	407072.8	407056.5	408626.9
2°	362465.8	355838.3	358910.0	362677.4	369964.1	372055.3	375550.1	379874.9	380139.4	384053.3
3°	305515.1	296210.5	300734.6	307443.6	319522.9	322647.5	328249.8	332204.4	330438.7	335019.8
4°	234442.7	222302.3	229214.7	239145.8	250903.8	262832.6	263068.6	265904.3	260082.3	259801.6
5°	158170.7	147466.5	156335.8	168756.9	178915.9	187252.3	192386.7	192740.6	186446.7	185873.0
6°	96468.0	89384.7	97102.7	110247.9	124320.9	127787.2	128572.4	126790.4	118535.5	113966.5
7°	53317.6	50428.9	57971.9	65816.0	76788.7	81862.1	78351.0	72655.1	70128.6	64689.0
8°	29403.0	27979.0	30131.2	36909.3	45424.7	48756.8	45367.7	39452.1	35192.4	33687.1
9°	17726.4	16937.1	17815.9	20395.3	24073.3	26384.2	24443.5	21530.4	19732.2	19231.8
10°	11774.2	11465.0	11839.3	12710.0	14032.2	14707.6	14223.4	13068.0	12522.8	12490.3
12.5°	6180.0	6123.1	6216.7	6314.3	6542.1	6578.7	6493.3	6411.9	6285.8	6334.6
15°	3979.0	3926.1	4023.7	4149.9	4206.8	4243.4	4247.5	4202.8	4117.3	4076.6
17.5°	2900.8	2913.0	2921.2	2994.4	3104.3	3189.7	3153.1	3104.3	3006.6	2957.8
20°	2388.2	2392.3	2408.5	2449.2	2485.8	2603.8	2567.2	2494.0	2400.4	2363.8
22.5°	2042.4	2050.5	2058.7	2083.1	2091.2	2123.8	2127.8	2062.7	2009.8	1989.5
25°	1798.3	1798.3	1810.5	1830.8	1839.0	1814.5	1818.6	1790.1	1741.3	1716.9
27.5°	1525.7	1533.8	1546.0	1554.2	1537.9	1509.4	1472.8	1497.2	1472.8	1415.8
30°	1358.9	1367.0	1403.6	1379.2	1342.6	1306.0	1285.6	1318.2	1322.3	1273.4
32.5°	1346.7	1350.7	1362.9	1350.7	1306.0	1261.2	1232.8	1269.4	1277.5	1257.2
35°	1407.7	1395.5	1411.8	1419.9	1375.1	1326.3	1289.7	1322.3	1346.7	1354.8
37.5°	1704.7	1635.5	1582.6	1566.4	1537.9	1505.3	1456.5	1464.7	1509.4	1550.1
40°	1623.3	1607.1	1586.7	1533.8	1480.9	1521.6	1464.7	1448.4	1550.1	1558.2
42.5°	1611.1	1623.3	1607.1	1542.0	1489.1	1529.8	1517.5	1468.7	1570.4	1558.2
45°	1619.3	1631.5	1668.1	1558.2	1513.5	1533.8	1558.2	1505.3	1607.1	1566.4
47.5°	1554.2	1570.4	1611.1	1550.1	1521.6	1517.5	1554.2	1505.3	1558.2	1554.2
50°	1468.7	1485.0	1497.2	1444.3	1497.2	1468.7	1472.8	1452.5	1452.5	1460.6
52.5°	1358.9	1375.1	1387.4	1326.3	1358.9	1371.1	1322.3	1318.2	1281.6	1293.8
55°	1224.6	1249.0	1261.2	1236.8	1220.5	1245.0	1175.8	1167.7	1094.4	1098.5
57.5°	1070.0	1094.4	1106.6	1135.1	1122.9	1074.1	1033.4	1000.8	919.5	886.9
60°	1102.6	1127.0	1102.6	1021.2	1021.2	911.3	874.7	805.6	724.2	683.5
62.5°	1065.9	1098.5	1094.4	1009.0	907.3	768.9	703.8	630.6	549.2	496.4
65°	1004.9	1037.5	1021.2	964.2	866.6	659.1	561.5	488.2	386.5	374.3
67.5°	903.2	952.0	919.5	882.9	805.6	598.1	447.5	366.2	280.7	280.7
70°	748.6	785.2	805.6	764.9	720.1	561.5	382.4	280.7	203.4	154.6
72.5°	602.1	634.7	667.2	646.9	606.2	508.6	341.8	223.8	146.5	89.5
75°	333.6	345.8	358.0	406.8	463.8	415.0	313.3	195.3	122.1	69.2
77.5°	256.3	268.5	297.0	272.6	252.2	321.4	341.8	227.8	105.8	48.8
80°	199.4	215.6	305.1	252.2	215.6	244.1	292.9	199.4	69.2	24.4
82.5°	150.5	162.7	215.6	240.0	227.8	183.1	158.7	134.3	61.0	16.3
85°	109.8	126.1	150.5	134.3	130.2	130.2	174.9	118.0	44.8	12.2
87.5°	65.1	65.1	69.2	65.1	61.0	61.0	69.2	57.0	28.5	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

414636.1

405469.8

380595.0

330121.4

258564.7

183549.9

114365.3

62134.0

32320.1

18552.3

12103.8

6151.6

4011.5

2904.9

2323.1

1965.1

1696.6

1419.9

1257.2

1245.0

1354.8

1586.7

1570.4

1550.1

1554.2

1546.0

1432.1

1273.4

1070.0

866.6

651.0

488.2

374.3

248.2

138.3

85.4

61.0

24.4

16.3

12.2

8.1

8.1

0.0

OF REPORT)