

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: P635886

Luminaire Tested: **IFLD-M-SA4E-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635886
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17014.9 lumens
Efficiency: N/A
Efficacy: 54.0 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



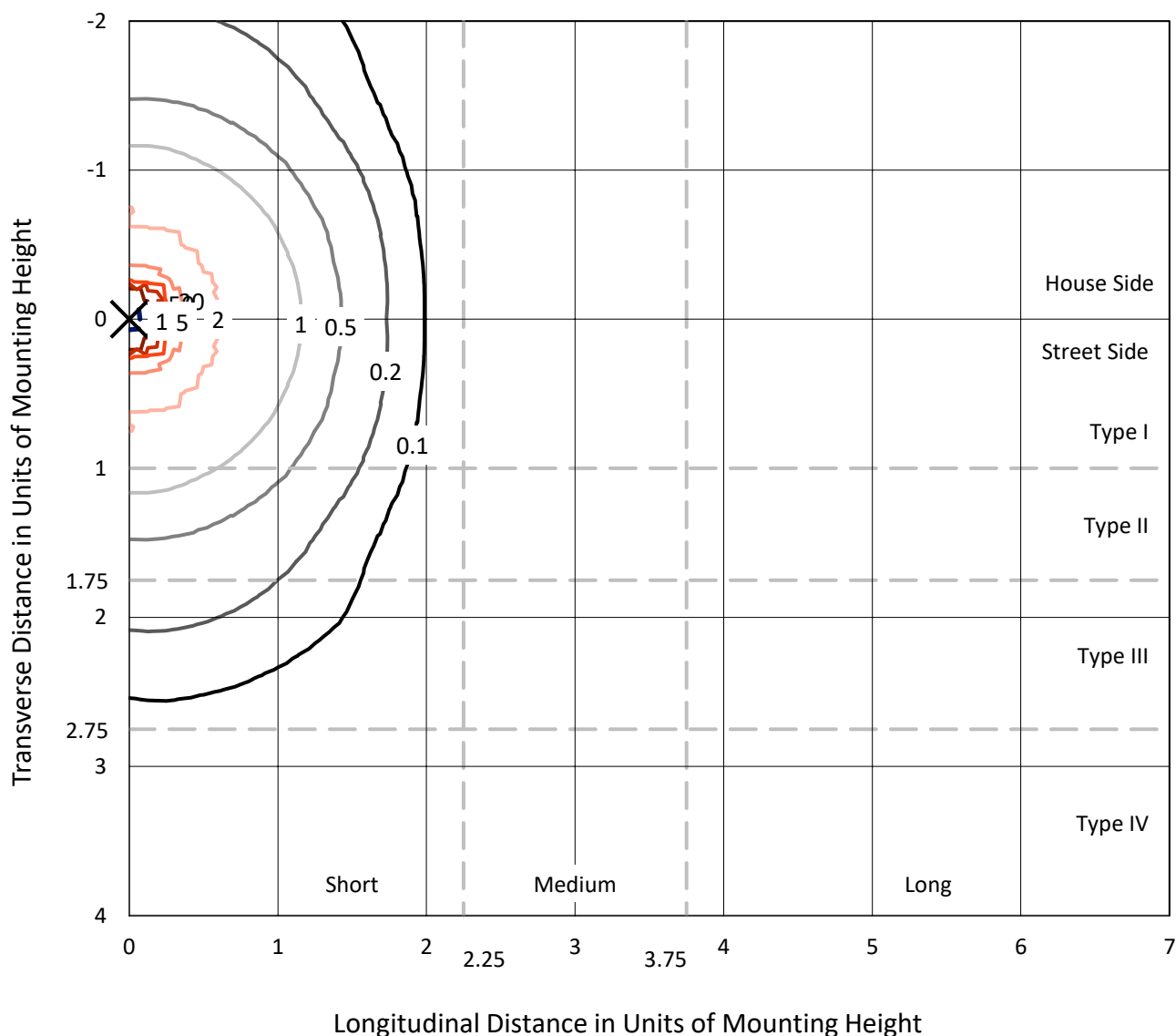
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

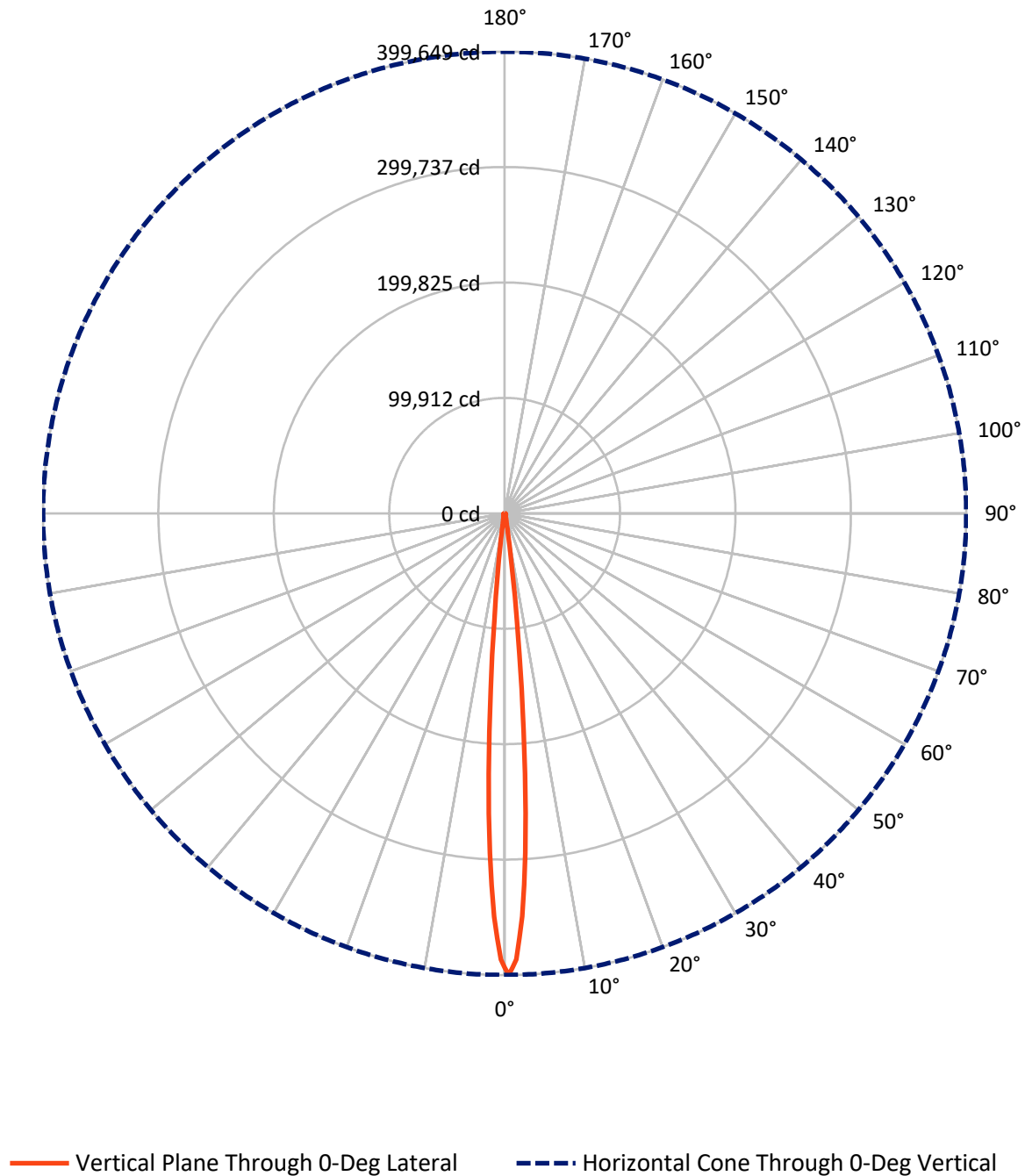


Based on 20 foot mounting height. Maximum calculated value = 999.1 fc

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	8507.5	0.0	8507.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8507.5	0.0	8507.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17014.9	0.0	17014.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10739.4	63.1
10°-20°	1327.3	7.8
20°-30°	795.2	4.7
30°-40°	855.0	5.0
40°-50°	1149.7	6.8
50°-60°	1024.9	6.0
60°-70°	677.0	4.0
70°-80°	335.6	2.0
80°-90°	110.8	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°	17014.9	100.0
0°-180°	17014.9	100.0



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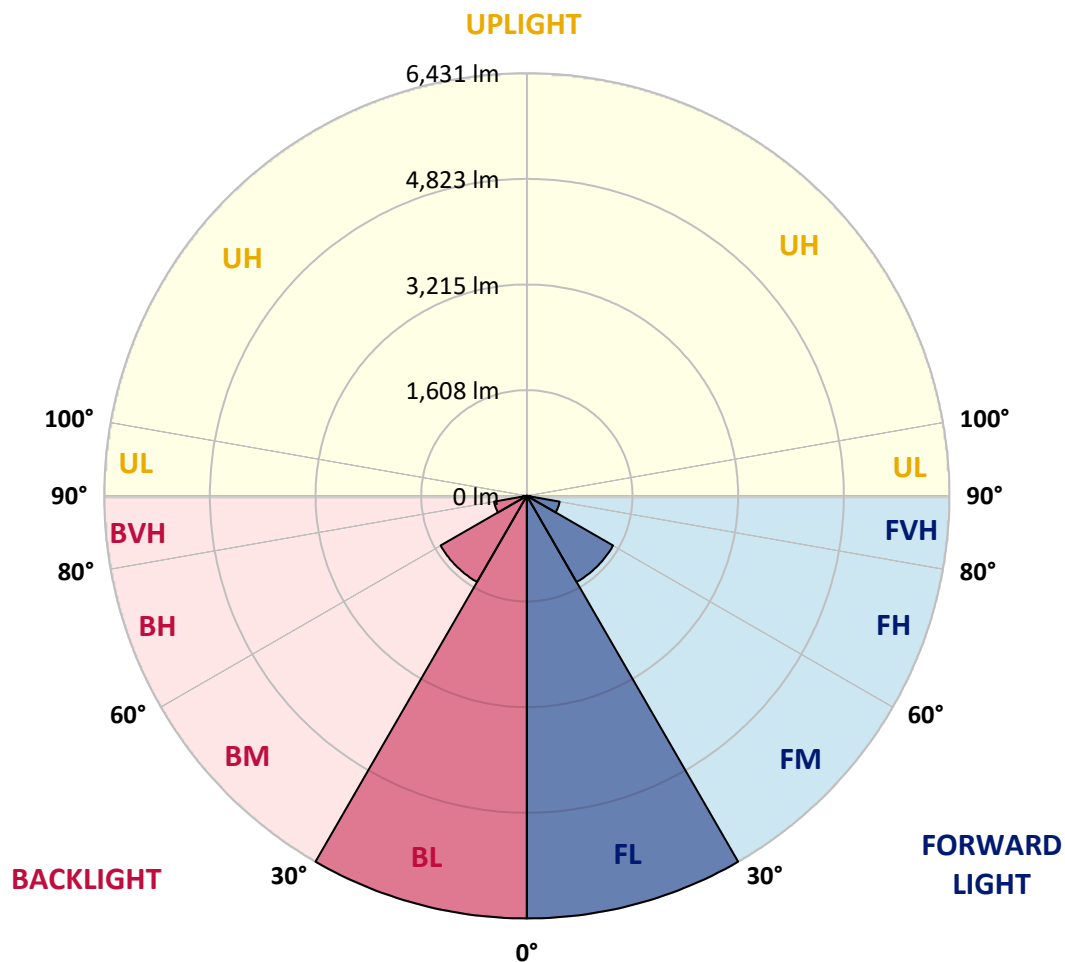
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6430.9	37.8			
FM	(30°-60°)	1514.8	8.9			
FH	(60°-80°)	506.3	3.0			G0/660
FVH	(80°-90°)	55.4	0.3			G1/100
BL	(0°-30°)	6430.9	37.8	B5		
BM	(30°-60°)	1514.8	8.9	B2/2500		
BH	(60°-80°)	506.3	3.0	B2/1000		G0/660
BVH	(80°-90°)	55.4	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°	399649.2	399649.2	399649.2	399649.2	399649.2	399649.2	399649.2	399649.2	399649.2	399649.2
1°	386253.6	382289.1	384328.2	386277.2	389010.4	390214.3	391441.7	392359.3	392343.6	393857.3
2°	349364.7	342976.7	345937.3	349568.6	356591.9	358607.5	361976.0	366144.5	366399.4	370171.8
3°	294472.4	285504.1	289864.7	296331.2	307973.9	310985.6	316385.4	320197.0	318495.1	322910.7
4°	225968.8	214267.3	220929.8	230502.0	241835.0	253332.6	253560.1	256293.3	250681.7	250411.2
5°	152453.7	142136.4	150685.1	162657.3	172449.1	180484.1	185433.0	185774.1	179707.7	179154.7
6°	92981.2	86154.0	93592.9	106263.1	119827.3	123168.4	123925.2	122207.6	114251.0	109847.3
7°	51390.4	48606.2	55876.5	63437.1	74013.2	78903.2	75519.0	70029.0	67593.8	62350.8
8°	28340.2	26967.7	29042.2	35575.3	43782.8	46994.5	43727.9	38026.2	33920.4	32469.5
9°	17085.7	16324.9	17172.0	19658.2	23203.1	25430.5	23560.0	20752.2	19019.0	18536.6
10°	11348.6	11050.6	11411.4	12250.6	13525.0	14176.0	13709.3	12595.7	12070.2	12038.8
12.5°	5956.7	5901.8	5992.0	6086.1	6305.7	6341.0	6258.6	6180.2	6058.6	6105.7
15°	3835.2	3784.2	3878.3	3999.9	4054.8	4090.1	4094.0	4050.8	3968.5	3929.3
17.5°	2796.0	2807.7	2815.6	2886.2	2992.1	3074.4	3039.1	2992.1	2897.9	2850.9
20°	2301.9	2305.8	2321.5	2360.7	2396.0	2509.7	2474.4	2403.8	2313.6	2278.4
22.5°	1968.6	1976.4	1984.2	2007.8	2015.6	2047.0	2050.9	1988.2	1937.2	1917.6
25°	1733.3	1733.3	1745.0	1764.6	1772.5	1749.0	1752.9	1725.4	1678.4	1654.8
27.5°	1470.5	1478.4	1490.1	1498.0	1482.3	1454.9	1419.6	1443.1	1419.6	1364.7
30°	1309.8	1317.6	1352.9	1329.4	1294.1	1258.8	1239.2	1270.5	1274.5	1227.4
32.5°	1298.0	1301.9	1313.7	1301.9	1258.8	1215.6	1188.2	1223.5	1231.3	1211.7
35°	1356.8	1345.1	1360.7	1368.6	1325.4	1278.4	1243.1	1274.5	1298.0	1305.8
37.5°	1643.1	1576.4	1525.4	1509.8	1482.3	1450.9	1403.9	1411.7	1454.9	1494.1
40°	1564.7	1549.0	1529.4	1478.4	1427.4	1466.6	1411.7	1396.0	1494.1	1501.9
42.5°	1552.9	1564.7	1549.0	1486.2	1435.2	1474.5	1462.7	1415.6	1513.7	1501.9
45°	1560.7	1572.5	1607.8	1501.9	1458.8	1478.4	1501.9	1450.9	1549.0	1509.8
47.5°	1498.0	1513.7	1552.9	1494.1	1466.6	1462.7	1498.0	1450.9	1501.9	1498.0
50°	1415.6	1431.3	1443.1	1392.1	1443.1	1415.6	1419.6	1400.0	1400.0	1407.8
52.5°	1309.8	1325.4	1337.2	1278.4	1309.8	1321.5	1274.5	1270.5	1235.3	1247.0
55°	1180.4	1203.9	1215.6	1192.1	1176.4	1200.0	1133.3	1125.5	1054.9	1058.8
57.5°	1031.3	1054.9	1066.6	1094.1	1082.3	1035.3	996.0	964.7	886.2	854.9
60°	1062.7	1086.2	1062.7	984.3	984.3	878.4	843.1	776.4	698.0	658.8
62.5°	1027.4	1058.8	1054.9	972.5	874.5	741.2	678.4	607.8	529.4	478.4
65°	968.6	1000.0	984.3	929.4	835.3	635.3	541.2	470.6	372.5	360.8
67.5°	870.6	917.6	886.2	851.0	776.4	576.5	431.4	352.9	270.6	270.6
70°	721.5	756.8	776.4	737.2	694.1	541.2	368.6	270.6	196.1	149.0
72.5°	580.4	611.7	643.1	623.5	584.3	490.2	329.4	215.7	141.2	86.3
75°	321.6	333.3	345.1	392.1	447.0	400.0	302.0	188.2	117.6	66.7
77.5°	247.1	258.8	286.3	262.7	243.1	309.8	329.4	219.6	102.0	47.1
80°	192.2	207.8	294.1	243.1	207.8	235.3	282.3	192.2	66.7	23.5
82.5°	145.1	156.9	207.8	231.4	219.6	176.5	152.9	129.4	58.8	15.7
85°	105.9	121.6	145.1	129.4	125.5	125.5	168.6	113.7	43.1	11.8
87.5°	62.7	62.7	66.7	62.7	58.8	58.8	66.7	54.9	27.5	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

399649.2

390814.3

366838.6

318189.3

249219.0

176915.6

110231.6

59888.2

31151.9

17881.7

11666.3

5929.2

3866.5

2799.9

2239.1

1894.1

1635.2

1368.6

1211.7

1200.0

1305.8

1529.4

1513.7

1494.1

1498.0

1490.1

1380.3

1227.4

1031.3

835.3

627.4

470.6

360.8

239.2

133.3

82.4

58.8

23.5

15.7

11.8

7.8

7.8

0.0

OF REPORT)