

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: P635944

Luminaire Tested: **IFLD-M-SA4E-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635944
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19210.9 lumens
Efficiency: N/A
Efficacy: 61.0 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

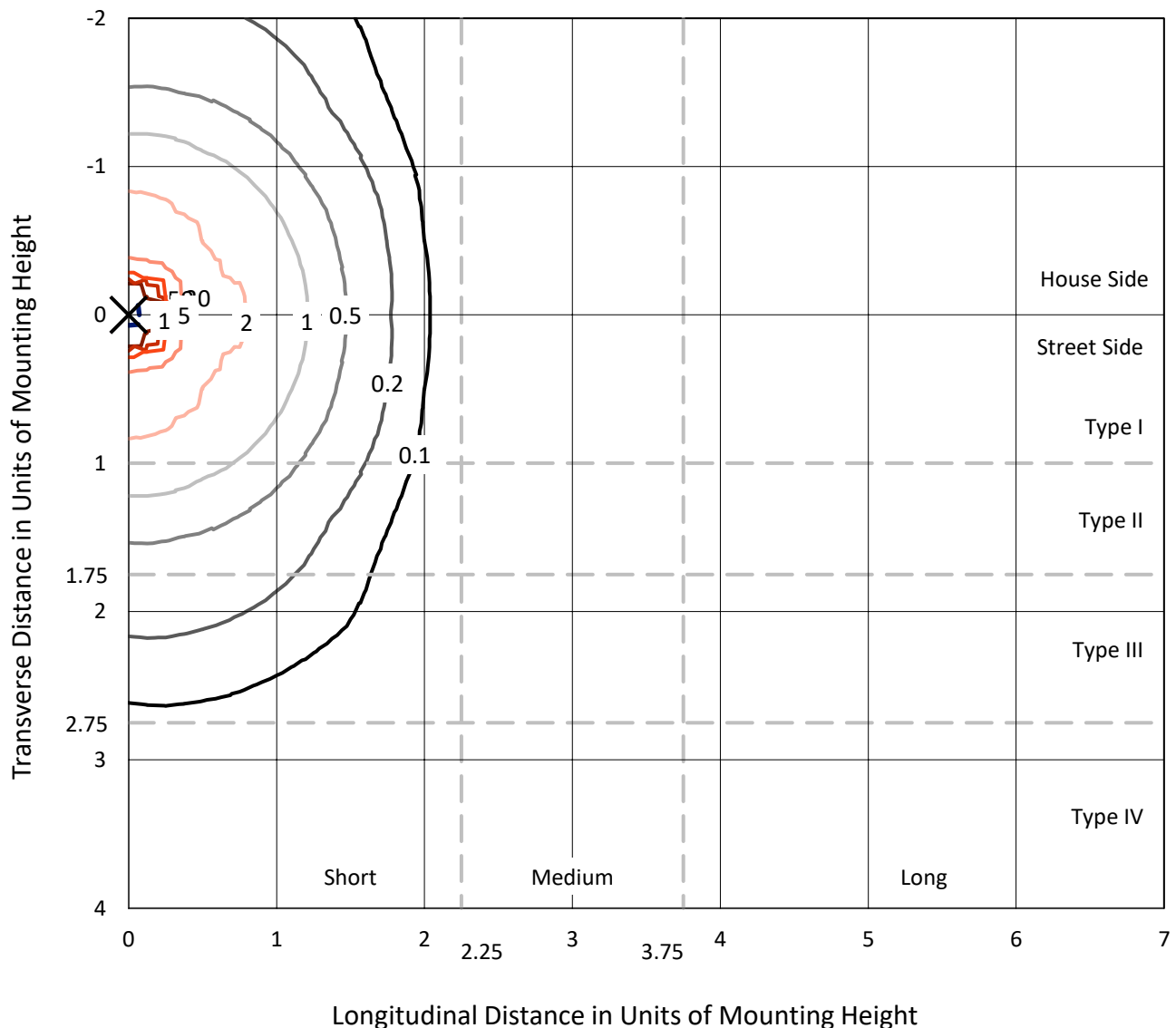


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Iso-Footcandle Lines of Horizontal Illumination

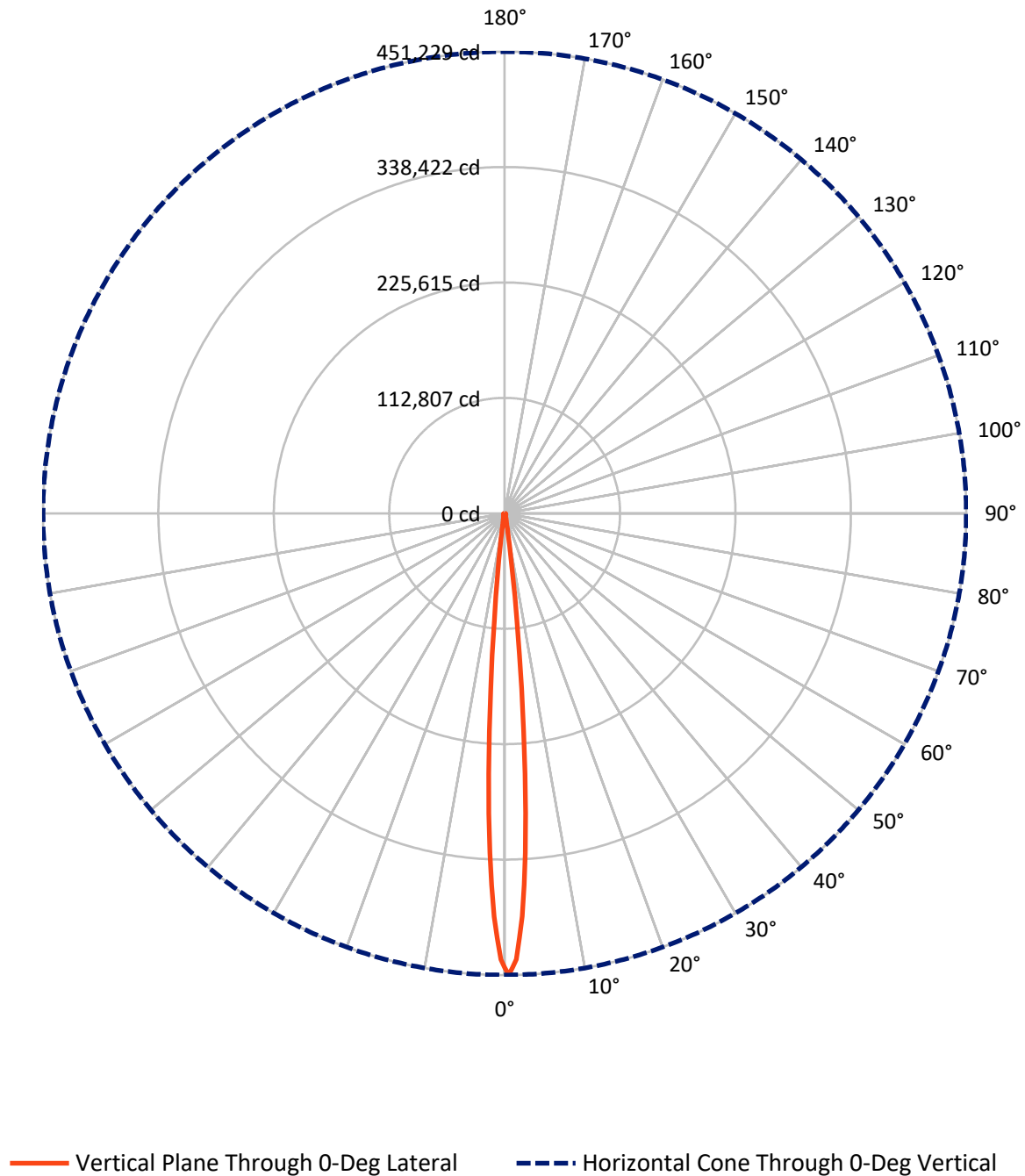
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1128.1 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	9605.4	0.0	9605.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9605.4	0.0	9605.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	19210.9	0.0	19210.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12125.5	63.1
10°-20°	1498.6	7.8
20°-30°	897.9	4.7
30°-40°	965.4	5.0
40°-50°	1298.1	6.8
50°-60°	1157.1	6.0
60°-70°	764.3	4.0
70°-80°	379.0	2.0
80°-90°	125.1	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°	19210.9	100.0
0°-180°	19210.9	100.0



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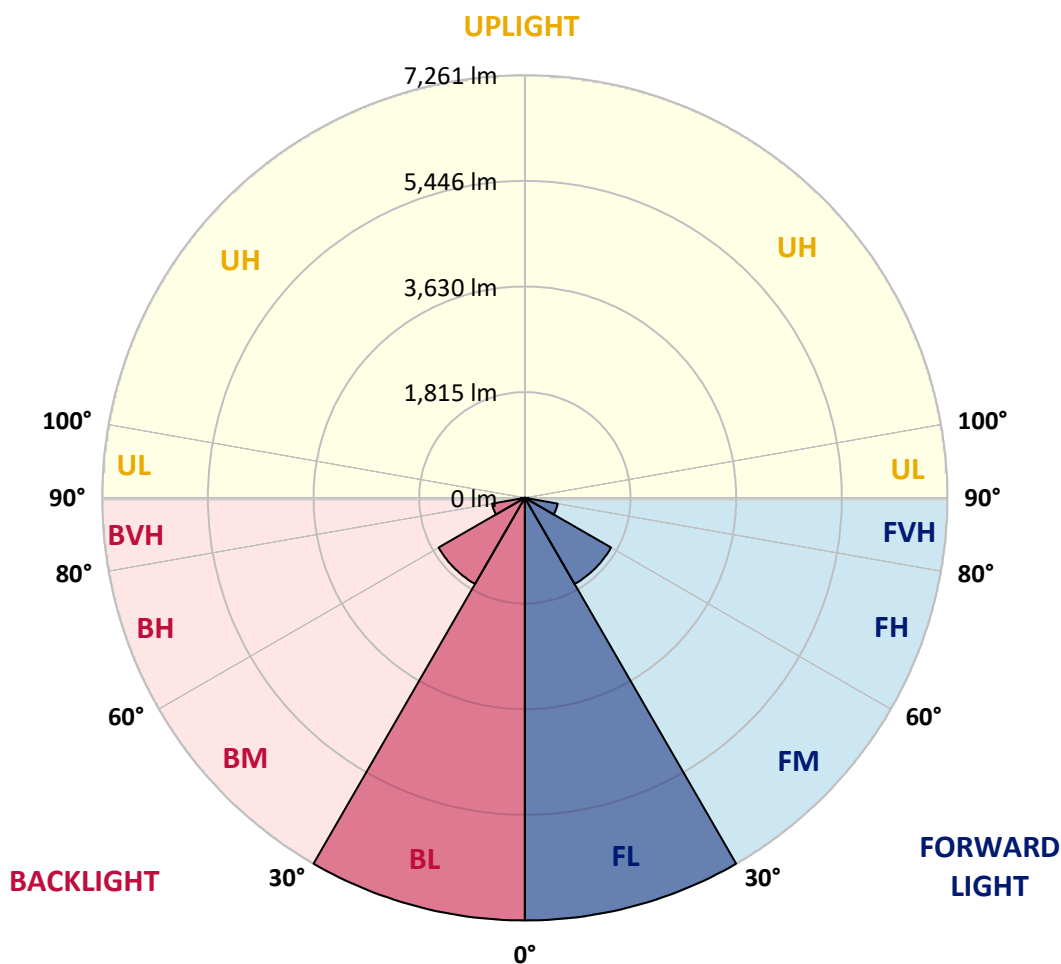
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7260.9	37.8			
FM	(30°-60°)	1710.3	8.9			
FH	(60°-80°)	571.6	3.0			G0/660
FVH	(80°-90°)	62.6	0.3			G1/100
BL	(0°-30°)	7260.9	37.8	B5		
BM	(30°-60°)	1710.3	8.9	B2/2500		
BH	(60°-80°)	571.6	3.0	B2/1000		G0/660
BVH	(80°-90°)	62.6	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°	451229.0	451229.0	451229.0	451229.0	451229.0	451229.0	451229.0	451229.0	451229.0	451229.0
1°	436104.5	431628.2	433930.6	436131.0	439217.0	440576.3	441962.1	442998.2	442980.5	444689.5
2°	394454.6	387242.1	390584.9	394684.8	402614.5	404890.3	408693.5	413400.0	413687.8	417947.1
3°	332477.8	322352.0	327275.4	334576.4	347721.8	351122.2	357218.9	361522.5	359600.9	364586.3
4°	255132.9	241921.1	249443.5	260251.2	273046.8	286028.4	286285.2	289371.2	283035.3	282729.8
5°	172129.7	160480.9	170132.9	183650.2	194705.8	203777.8	209365.4	209750.6	202901.2	202276.9
6°	104981.6	97273.2	105672.3	119977.7	135292.5	139064.8	139919.3	137980.1	128996.6	124024.4
7°	58023.0	54879.4	63088.1	71624.4	83565.5	89086.7	85265.7	79067.1	76317.6	70398.0
8°	31997.9	30448.2	32790.4	40166.7	49433.6	53059.7	49371.6	42933.9	38298.3	36660.1
9°	19290.8	18431.9	19388.2	22195.3	26197.8	28712.6	26600.7	23430.6	21473.6	20929.0
10°	12813.3	12476.8	12884.2	13831.7	15270.6	16005.6	15478.7	14221.3	13628.0	13592.6
12.5°	6725.4	6663.5	6765.3	6871.6	7119.5	7159.3	7066.4	6977.8	6840.6	6893.7
15°	4330.1	4272.6	4378.8	4516.1	4578.1	4617.9	4622.4	4573.7	4480.7	4436.4
17.5°	3156.8	3170.1	3179.0	3258.7	3378.2	3471.2	3431.3	3378.2	3272.0	3218.8
20°	2599.0	2603.4	2621.1	2665.4	2705.2	2833.6	2793.8	2714.1	2612.3	2572.4
22.5°	2222.6	2231.5	2240.3	2266.9	2275.8	2311.2	2315.6	2244.8	2187.2	2165.1
25°	1957.0	1957.0	1970.3	1992.4	2001.3	1974.7	1979.1	1948.1	1895.0	1868.4
27.5°	1660.3	1669.2	1682.5	1691.3	1673.6	1642.6	1602.8	1629.3	1602.8	1540.8
30°	1478.8	1487.7	1527.5	1500.9	1461.1	1421.2	1399.1	1434.5	1439.0	1385.8
32.5°	1465.5	1469.9	1483.2	1469.9	1421.2	1372.5	1341.5	1381.4	1390.2	1368.1
35°	1531.9	1518.6	1536.4	1545.2	1496.5	1443.4	1403.5	1439.0	1465.5	1474.4
37.5°	1855.1	1779.9	1722.3	1704.6	1673.6	1638.2	1585.1	1593.9	1642.6	1686.9
40°	1766.6	1748.9	1726.7	1669.2	1611.6	1655.9	1593.9	1576.2	1686.9	1695.8
42.5°	1753.3	1766.6	1748.9	1678.0	1620.5	1664.8	1651.5	1598.3	1709.0	1695.8
45°	1762.2	1775.4	1815.3	1695.8	1647.0	1669.2	1695.8	1638.2	1748.9	1704.6
47.5°	1691.3	1709.0	1753.3	1686.9	1655.9	1651.5	1691.3	1638.2	1695.8	1691.3
50°	1598.3	1616.1	1629.3	1571.8	1629.3	1598.3	1602.8	1580.6	1580.6	1589.5
52.5°	1478.8	1496.5	1509.8	1443.4	1478.8	1492.1	1439.0	1434.5	1394.7	1408.0
55°	1332.7	1359.3	1372.5	1346.0	1328.3	1354.8	1279.6	1270.7	1191.0	1195.4
57.5°	1164.4	1191.0	1204.3	1235.3	1222.0	1168.9	1124.6	1089.2	1000.6	965.2
60°	1199.9	1226.4	1199.9	1111.3	1111.3	991.8	951.9	876.7	788.1	743.8
62.5°	1160.0	1195.4	1191.0	1098.0	987.3	836.8	766.0	686.3	597.7	540.2
65°	1093.6	1129.0	1111.3	1049.3	943.1	717.3	611.0	531.3	420.6	407.3
67.5°	982.9	1036.0	1000.6	960.8	876.7	650.8	487.0	398.5	305.5	305.5
70°	814.7	854.5	876.7	832.4	783.7	611.0	416.2	305.5	221.4	168.2
72.5°	655.3	690.7	726.1	704.0	659.7	553.4	371.9	243.5	159.4	97.4
75°	363.1	376.3	389.6	442.8	504.7	451.6	340.9	212.5	132.8	75.3
77.5°	278.9	292.2	323.2	296.6	274.5	349.8	371.9	247.9	115.1	53.1
80°	216.9	234.7	332.1	274.5	234.7	265.7	318.8	216.9	75.3	26.6
82.5°	163.8	177.1	234.7	261.2	247.9	199.2	172.7	146.1	66.4	17.7
85°	119.5	137.3	163.8	146.1	141.7	141.7	190.4	128.4	48.7	13.3
87.5°	70.8	70.8	75.3	70.8	66.4	66.4	75.3	62.0	31.0	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

451229.0
441253.7
414183.7
359255.6
281383.9
199748.8
124458.3
67617.5
35172.4
20189.6
13172.0
6694.5
4365.6
3161.3
2528.1
2138.5
1846.3
1545.2
1368.1
1354.8
1474.4
1726.7
1709.0
1686.9
1691.3
1682.5
1558.5
1385.8
1164.4
943.1
708.4
531.3
407.3
270.1
150.5
93.0
66.4
26.6
17.7
13.3
8.9
8.9
0.0

OF REPORT)