

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: P635936

Luminaire Tested: **IFLD-S-SA6B-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635936
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17711.9 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 244.9
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



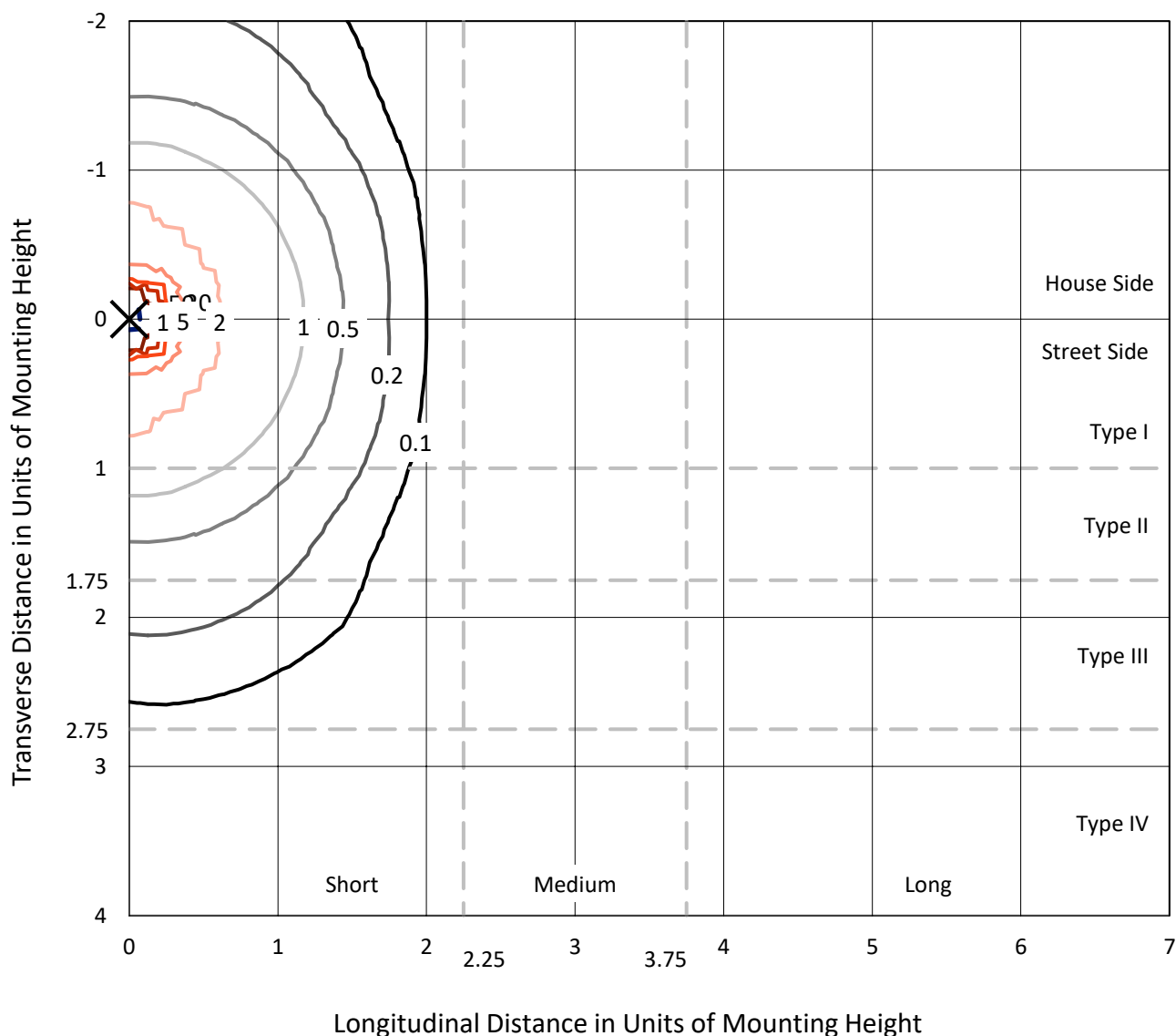
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

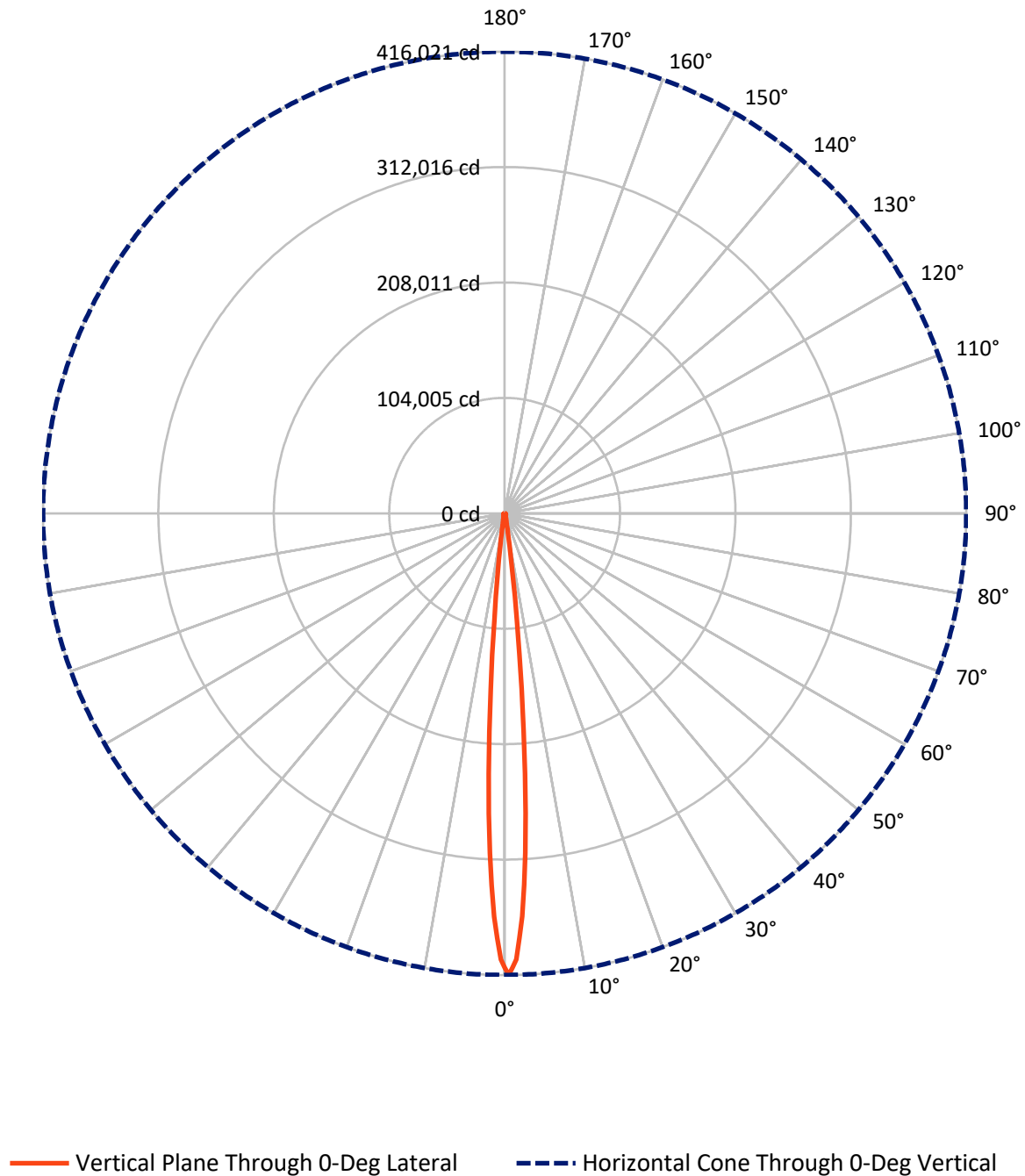
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1040.1 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	8856.0	0.0	8856.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8856.0	0.0	8856.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17711.9	0.0	17711.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11179.4	63.1
10°-20°	1381.6	7.8
20°-30°	827.8	4.7
30°-40°	890.1	5.0
40°-50°	1196.8	6.8
50°-60°	1066.9	6.0
60°-70°	704.7	4.0
70°-80°	349.4	2.0
80°-90°	115.3	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°	17711.9	100.0
0°-180°	17711.9	100.0



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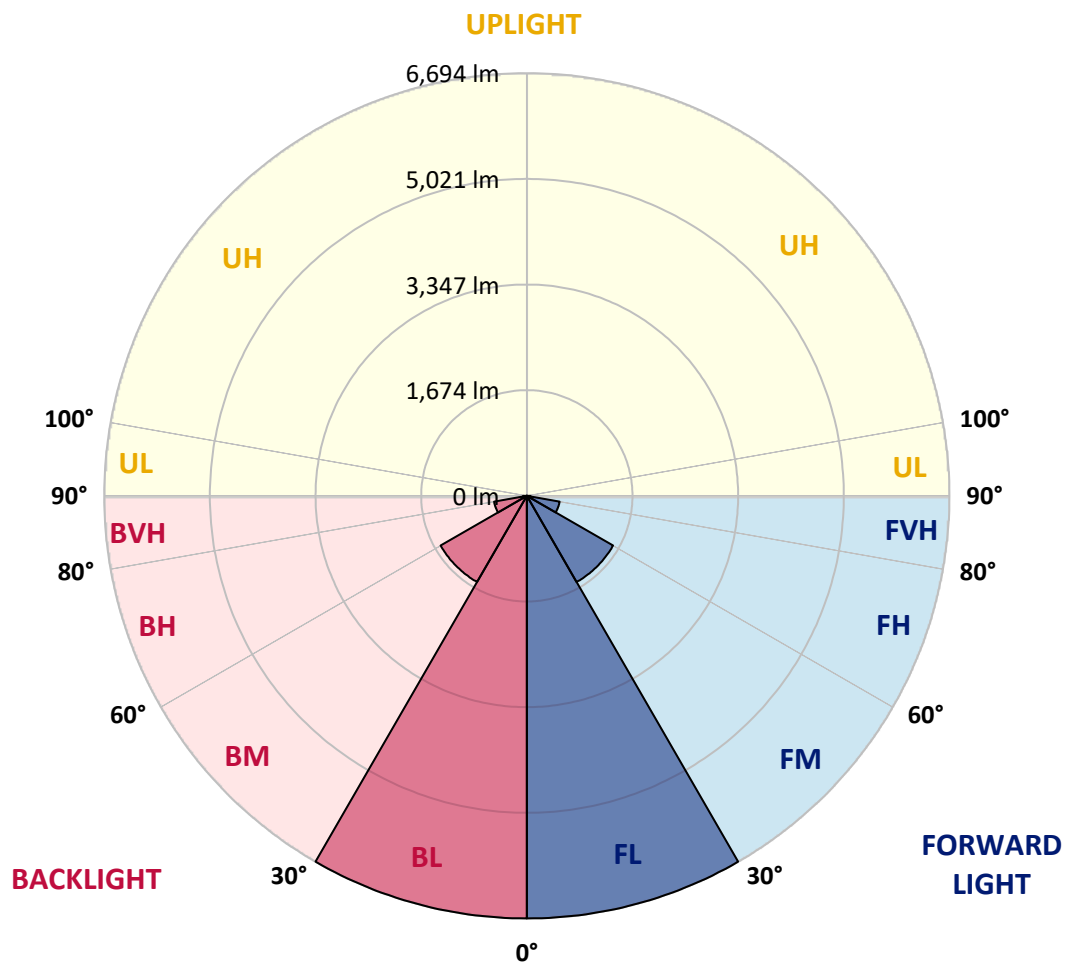
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6694.4	37.8			
FM	(30°-60°)	1576.9	8.9			
FH	(60°-80°)	527.0	3.0			G0/660
FVH	(80°-90°)	57.7	0.3			G1/100
BL	(0°-30°)	6694.4	37.8	B5		
BM	(30°-60°)	1576.9	8.9	B2/2500		
BH	(60°-80°)	527.0	3.0	B2/1000		G0/660
BVH	(80°-90°)	57.7	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°	416021.2	416021.2	416021.2	416021.2	416021.2	416021.2	416021.2	416021.2	416021.2	416021.2
1°	402076.8	397949.8	400072.5	402101.3	404946.5	406199.7	407477.4	408432.6	408416.3	409992.0
2°	363676.7	357027.0	360108.9	363888.9	371199.9	373298.1	376804.6	381143.9	381409.2	385336.2
3°	306535.7	297200.0	301739.3	308470.6	320590.3	323725.3	329346.4	333314.2	331542.5	336139.0
4°	235225.8	223044.9	229980.4	239944.7	251741.9	263710.6	263947.4	266792.6	260951.1	260669.4
5°	158699.1	147959.1	156858.0	169320.6	179513.6	187877.8	193029.4	193384.5	187069.5	186494.0
6°	96790.2	89683.3	97427.0	110616.2	124736.1	128214.1	129001.9	127214.0	118931.4	114347.3
7°	53495.7	50597.4	58165.6	66035.8	77045.2	82135.6	78612.7	72897.8	70362.8	64905.1
8°	29501.2	28072.5	30231.9	37032.6	45576.4	48919.7	45519.3	39583.9	35310.0	33799.6
9°	17785.6	16993.7	17875.4	20463.5	24153.7	26472.3	24525.1	21602.4	19798.1	19296.0
10°	11813.5	11503.3	11878.9	12752.4	14079.1	14756.7	14271.0	13111.6	12564.6	12532.0
12.5°	6200.7	6143.5	6237.4	6335.4	6564.0	6600.7	6515.0	6433.4	6306.8	6355.8
15°	3992.3	3939.2	4037.2	4163.7	4220.9	4257.6	4261.7	4216.8	4131.1	4090.2
17.5°	2910.5	2922.8	2930.9	3004.4	3114.6	3200.4	3163.6	3114.6	3016.7	2967.7
20°	2396.2	2400.3	2416.6	2457.4	2494.2	2612.5	2575.8	2502.3	2408.4	2371.7
22.5°	2049.2	2057.4	2065.5	2090.0	2098.2	2130.8	2134.9	2069.6	2016.5	1996.1
25°	1804.3	1804.3	1816.5	1836.9	1845.1	1820.6	1824.7	1796.1	1747.1	1722.6
27.5°	1530.8	1538.9	1551.2	1559.4	1543.0	1514.5	1477.7	1502.2	1477.7	1420.6
30°	1363.4	1371.6	1408.3	1383.8	1347.1	1310.3	1289.9	1322.6	1326.7	1277.7
32.5°	1351.2	1355.3	1367.5	1355.3	1310.3	1265.4	1236.9	1273.6	1281.8	1261.4
35°	1412.4	1400.2	1416.5	1424.6	1379.7	1330.8	1294.0	1326.7	1351.2	1359.3
37.5°	1710.4	1641.0	1587.9	1571.6	1543.0	1510.4	1461.4	1469.5	1514.5	1555.3
40°	1628.8	1612.4	1592.0	1538.9	1485.9	1526.7	1469.5	1453.2	1555.3	1563.4
42.5°	1616.5	1628.8	1612.4	1547.1	1494.0	1534.9	1522.6	1473.6	1575.7	1563.4
45°	1624.7	1636.9	1673.7	1563.4	1518.5	1538.9	1563.4	1510.4	1612.4	1571.6
47.5°	1559.4	1575.7	1616.5	1555.3	1526.7	1522.6	1559.4	1510.4	1563.4	1559.4
50°	1473.6	1490.0	1502.2	1449.1	1502.2	1473.6	1477.7	1457.3	1457.3	1465.5
52.5°	1363.4	1379.7	1392.0	1330.8	1363.4	1375.7	1326.7	1322.6	1285.9	1298.1
55°	1228.7	1253.2	1265.4	1241.0	1224.6	1249.1	1179.7	1171.6	1098.1	1102.2
57.5°	1073.6	1098.1	1110.3	1138.9	1126.7	1077.7	1036.8	1004.2	922.6	889.9
60°	1106.2	1130.7	1106.2	1024.6	1024.6	914.4	877.6	808.3	726.6	685.8
62.5°	1069.5	1102.2	1098.1	1012.4	910.3	771.5	706.2	632.7	551.1	498.0
65°	1008.3	1040.9	1024.6	967.5	869.5	661.3	563.3	489.8	387.8	375.6
67.5°	906.2	955.2	922.6	885.8	808.3	600.1	449.0	367.4	281.7	281.7
70°	751.1	787.8	808.3	767.4	722.5	563.3	383.7	281.7	204.1	155.1
72.5°	604.1	636.8	669.5	649.1	608.2	510.3	342.9	224.5	147.0	89.8
75°	334.7	347.0	359.2	408.2	465.4	416.4	314.3	195.9	122.5	69.4
77.5°	257.2	269.4	298.0	273.5	253.1	322.5	342.9	228.6	106.1	49.0
80°	200.0	216.4	306.2	253.1	216.4	244.9	293.9	200.0	69.4	24.5
82.5°	151.0	163.3	216.4	240.8	228.6	183.7	159.2	134.7	61.2	16.3
85°	110.2	126.5	151.0	134.7	130.6	130.6	175.5	118.4	44.9	12.2
87.5°	65.3	65.3	69.4	65.3	61.2	61.2	69.4	57.1	28.6	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
416021.2
406824.3
381866.4
331224.1
259428.5
184163.1
114747.3
62341.5
32428.1
18614.3
12144.2
6172.1
4024.9
2914.6
2330.9
1971.6
1702.2
1424.6
1261.4
1249.1
1359.3
1592.0
1575.7
1555.3
1559.4
1551.2
1436.9
1277.7
1073.6
869.5
653.1
489.8
375.6
249.0
138.8
85.7
61.2
24.5
16.3
12.2
8.2
8.2
0.0

OF REPORT)