

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: P635913

Luminaire Tested: **IFLD-M-SA4C-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635913
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-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: 13863 lumens
Efficiency: N/A
Efficacy: 63.6 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): 218.1
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



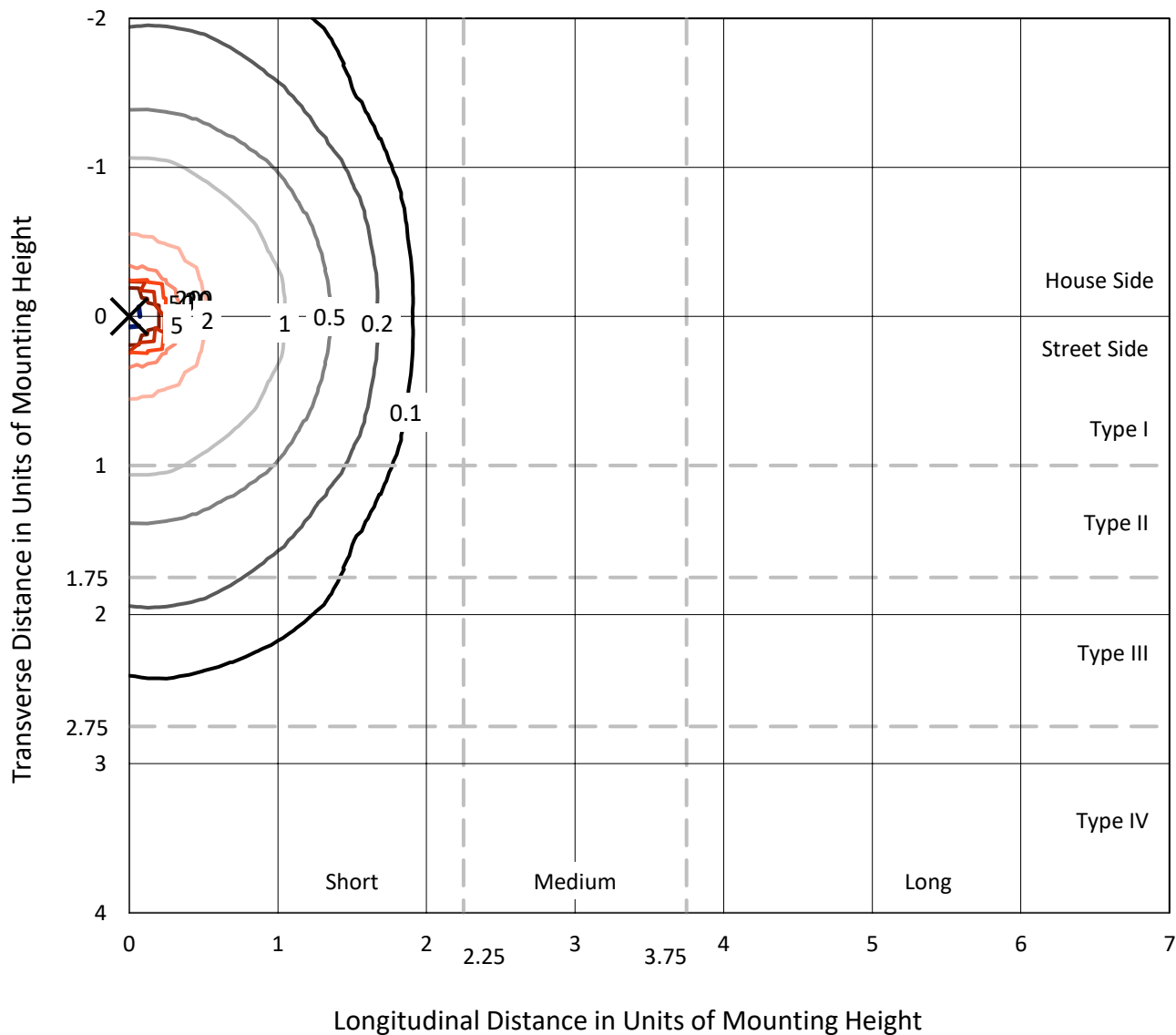
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

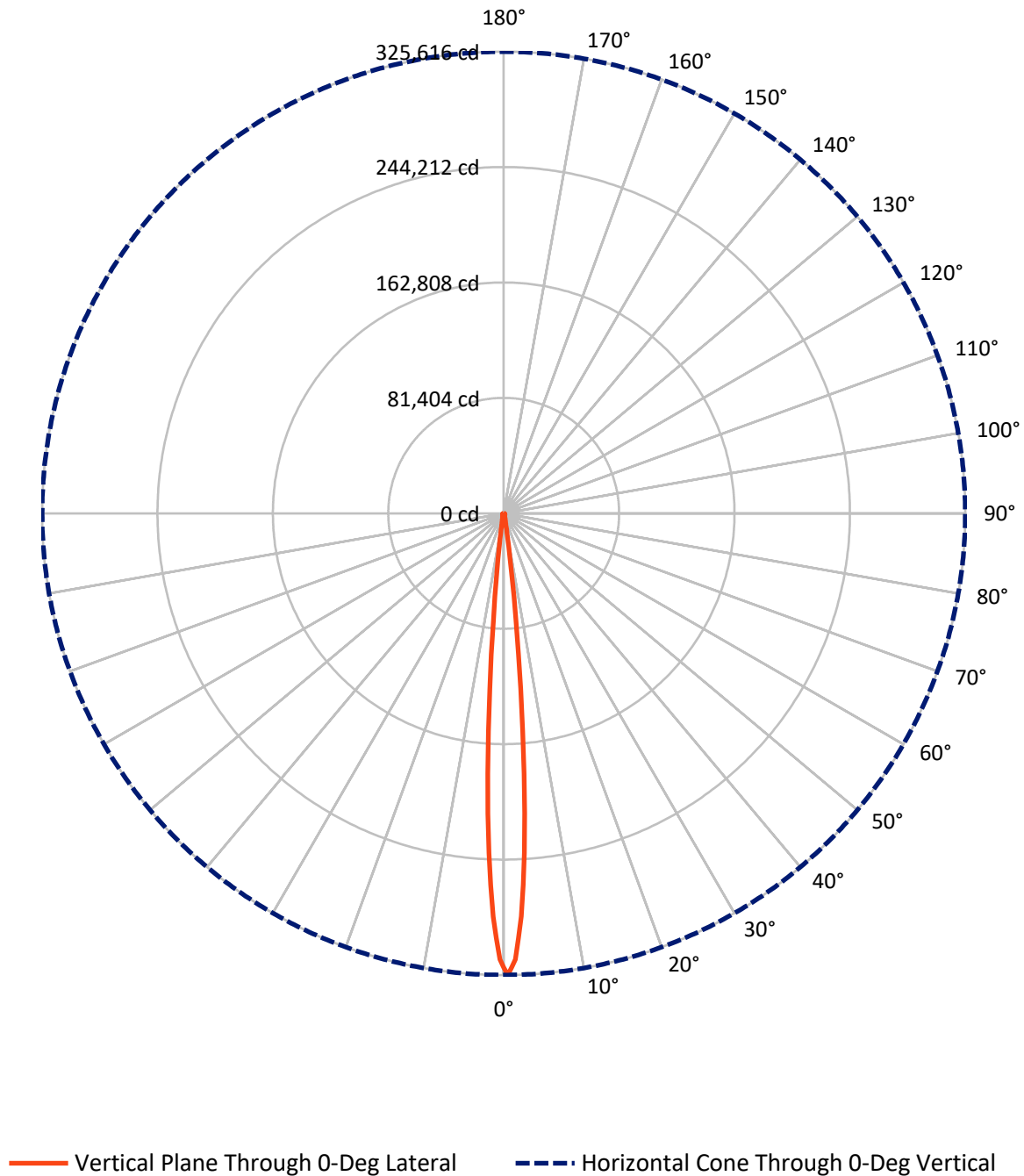


Based on 20 foot mounting height. Maximum calculated value = 814 fc

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	6931.5	0.0	6931.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6931.5	0.0	6931.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13863.0	0.0	13863.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8750.0	63.1
10°-20°	1081.4	7.8
20°-30°	647.9	4.7
30°-40°	696.6	5.0
40°-50°	936.7	6.8
50°-60°	835.0	6.0
60°-70°	551.6	4.0
70°-80°	273.5	2.0
80°-90°	90.3	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°	13863.0	100.0
0°-180°	13863.0	100.0



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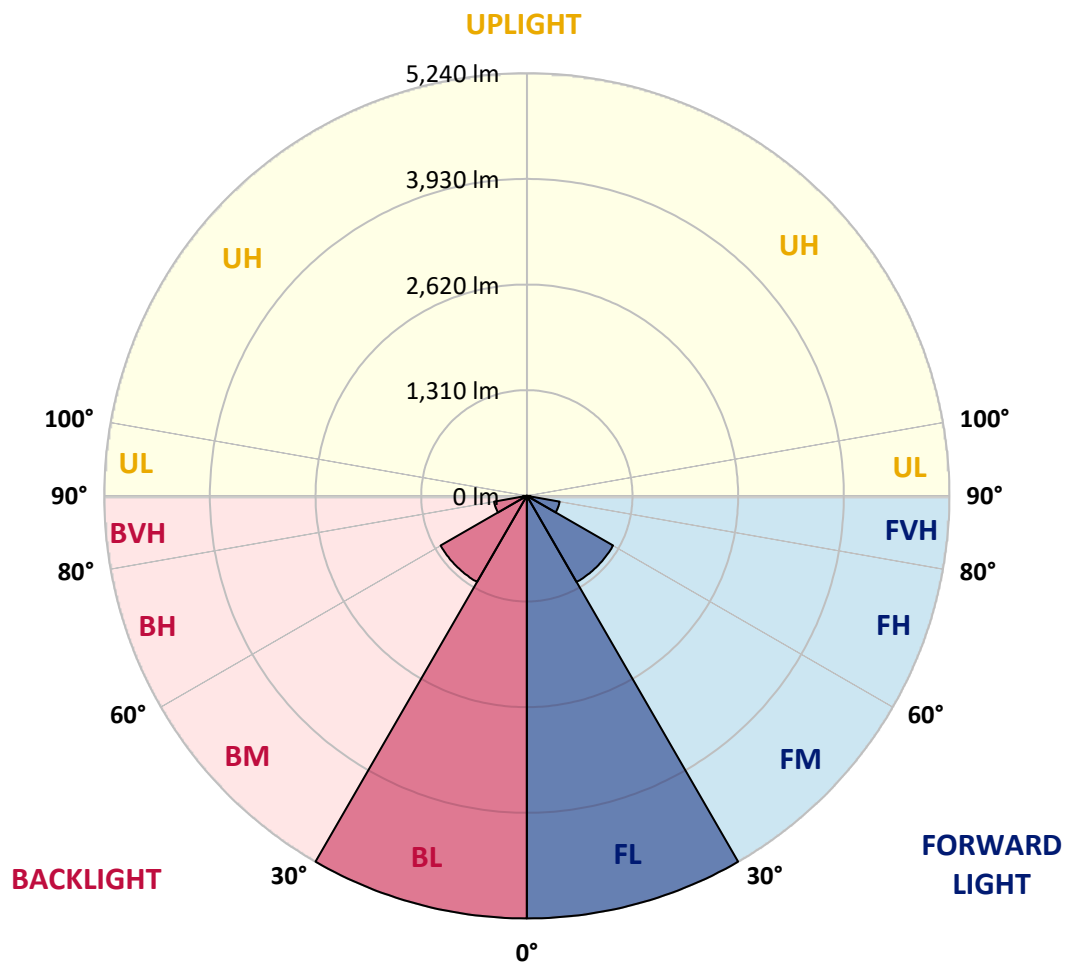
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5239.6	37.8			
FM	(30°-60°)	1234.2	8.9			
FH	(60°-80°)	412.5	3.0			G0/660
FVH	(80°-90°)	45.1	0.3			G1/100
BL	(0°-30°)	5239.6	37.8	B5		
BM	(30°-60°)	1234.2	8.9	B2/2500		
BH	(60°-80°)	412.5	3.0	B1/500		G0/660
BVH	(80°-90°)	45.1	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°	325616.2	325616.2	325616.2	325616.2	325616.2	325616.2	325616.2	325616.2	325616.2	325616.2
1°	314702.1	311471.9	313133.3	314721.2	316948.2	317929.0	318929.1	319676.7	319663.9	320897.2
2°	284646.6	279441.9	281854.2	284812.8	290535.0	292177.2	294921.8	298318.1	298525.7	301599.3
3°	239922.9	232615.9	236168.7	241437.3	250923.3	253377.0	257776.6	260882.1	259495.5	263093.1
4°	184109.2	174575.3	180003.7	187802.7	197036.2	206404.0	206589.3	208816.2	204244.2	204023.7
5°	124212.4	115806.3	122771.4	132525.8	140503.7	147050.3	151082.4	151360.4	146417.7	145967.2
6°	75756.9	70194.4	76255.3	86578.4	97629.9	100352.1	100968.7	99569.3	93086.6	89498.6
7°	41870.6	39602.1	45525.7	51685.7	60302.6	64286.8	61529.5	57056.5	55072.4	50800.7
8°	23090.3	21972.1	23662.2	28985.1	35672.3	38289.0	35627.6	30982.0	27636.8	26454.7
9°	13920.7	13300.8	13990.9	16016.6	18904.9	20719.6	19195.6	16908.0	15495.8	15102.8
10°	9246.4	9003.5	9297.5	9981.2	11019.6	11550.0	11169.8	10262.4	9834.2	9808.7
12.5°	4853.2	4808.5	4882.0	4958.7	5137.6	5166.3	5099.2	5035.3	4936.3	4974.6
15°	3124.7	3083.2	3159.9	3258.9	3303.6	3332.4	3335.6	3300.4	3233.3	3201.4
17.5°	2278.0	2287.6	2294.0	2351.5	2437.8	2504.9	2476.1	2437.8	2361.1	2322.8
20°	1875.5	1878.7	1891.4	1923.4	1952.2	2044.8	2016.1	1958.5	1885.1	1856.3
22.5°	1603.9	1610.3	1616.7	1635.8	1642.2	1667.8	1671.0	1619.9	1578.3	1562.4
25°	1412.2	1412.2	1421.8	1437.8	1444.1	1425.0	1428.2	1405.8	1367.5	1348.3
27.5°	1198.1	1204.5	1214.1	1220.5	1207.7	1185.3	1156.6	1175.8	1156.6	1111.9
30°	1067.1	1073.5	1102.3	1083.1	1054.4	1025.6	1009.6	1035.2	1038.4	1000.0
32.5°	1057.5	1060.7	1070.3	1060.7	1025.6	990.5	968.1	996.8	1003.2	987.3
35°	1105.5	1095.9	1108.7	1115.1	1079.9	1041.6	1012.8	1038.4	1057.5	1063.9
37.5°	1338.7	1284.4	1242.9	1230.1	1207.7	1182.2	1143.8	1150.2	1185.3	1217.3
40°	1274.8	1262.0	1246.1	1204.5	1163.0	1194.9	1150.2	1137.4	1217.3	1223.7
42.5°	1265.2	1274.8	1262.0	1210.9	1169.4	1201.3	1191.7	1153.4	1233.3	1223.7
45°	1271.6	1281.2	1310.0	1223.7	1188.5	1204.5	1223.7	1182.2	1262.0	1230.1
47.5°	1220.5	1233.3	1265.2	1217.3	1194.9	1191.7	1220.5	1182.2	1223.7	1220.5
50°	1153.4	1166.2	1175.8	1134.2	1175.8	1153.4	1156.6	1140.6	1140.6	1147.0
52.5°	1067.1	1079.9	1089.5	1041.6	1067.1	1076.7	1038.4	1035.2	1006.4	1016.0
55°	961.7	980.9	990.5	971.3	958.5	977.7	923.4	917.0	859.5	862.7
57.5°	840.3	859.5	869.0	891.4	881.8	843.5	811.5	786.0	722.1	696.5
60°	865.8	885.0	865.8	801.9	801.9	715.7	686.9	632.6	568.7	536.8
62.5°	837.1	862.7	859.5	792.4	712.5	603.9	552.7	495.2	431.3	389.8
65°	789.2	814.7	801.9	757.2	680.5	517.6	440.9	383.4	303.5	293.9
67.5°	709.3	747.6	722.1	693.3	632.6	469.7	351.5	287.6	220.5	220.5
70°	587.9	616.6	632.6	600.7	565.5	440.9	300.3	220.5	159.8	121.4
72.5°	472.9	498.4	524.0	508.0	476.1	399.4	268.4	175.7	115.0	70.3
75°	262.0	271.6	281.2	319.5	364.2	325.9	246.0	153.4	95.9	54.3
77.5°	201.3	210.9	233.2	214.1	198.1	252.4	268.4	178.9	83.1	38.3
80°	156.6	169.3	239.6	198.1	169.3	191.7	230.0	156.6	54.3	19.2
82.5°	118.2	127.8	169.3	188.5	178.9	143.8	124.6	105.4	47.9	12.8
85°	86.3	99.0	118.2	105.4	102.2	102.2	137.4	92.7	35.1	9.6
87.5°	51.1	51.1	54.3	51.1	47.9	47.9	54.3	44.7	22.4	6.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

325616.2

318417.9

298883.6

259246.3

203052.5

144142.9

89811.7

48794.2

25381.2

14569.2

9505.2

4830.9

3150.3

2281.2

1824.4

1543.2

1332.3

1115.1

987.3

977.7

1063.9

1246.1

1233.3

1217.3

1220.5

1214.1

1124.6

1000.0

840.3

680.5

511.2

383.4

293.9

194.9

108.6

67.1

47.9

19.2

12.8

9.6

6.4

6.4

0.0

OF REPORT)