

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: P635971

Luminaire Tested: **IFLD-M-SA4C-950-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635971
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-950-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15086.4 lumens
Efficiency: N/A
Efficacy: 69.2 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



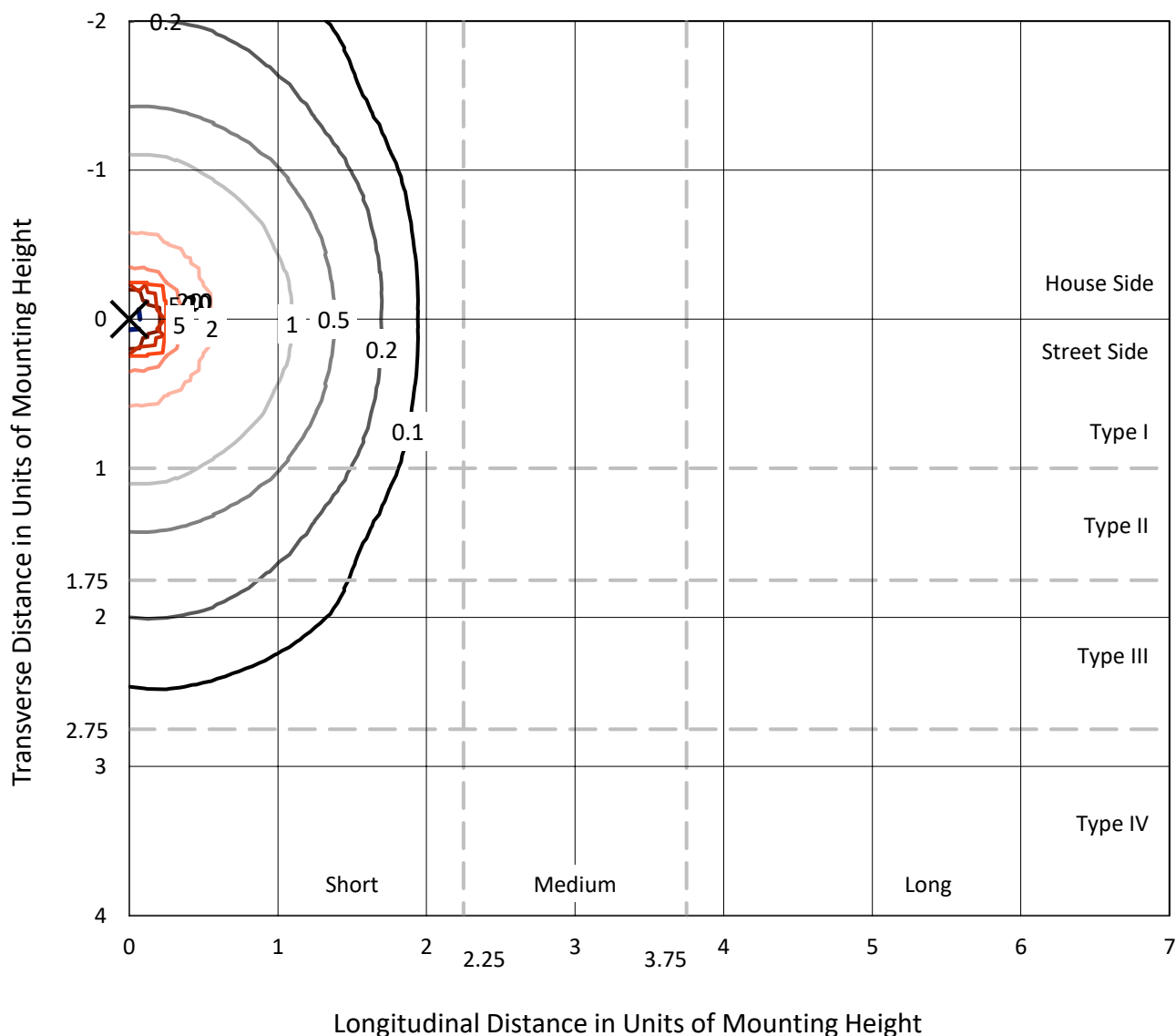
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

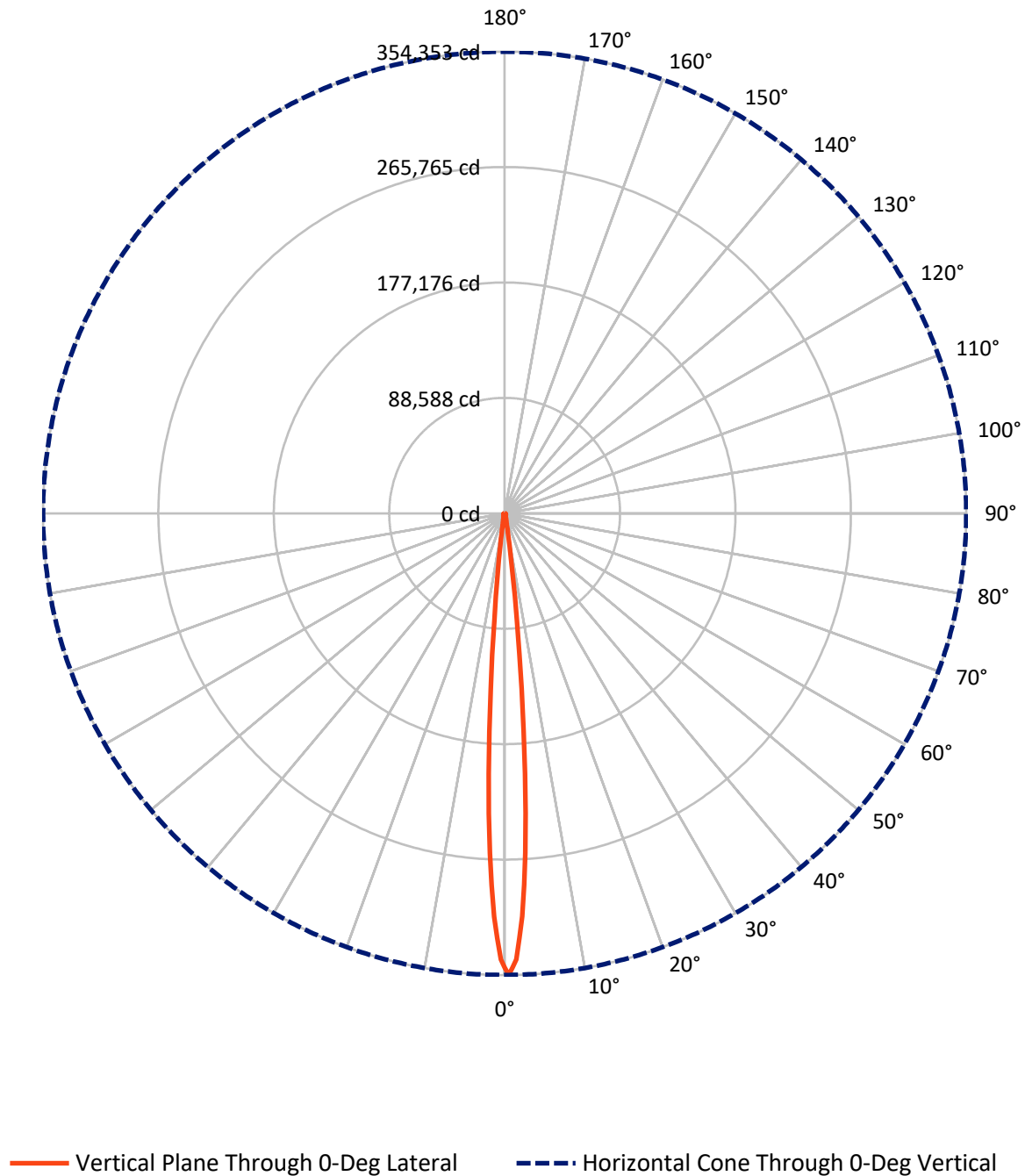


Based on 20 foot mounting height. Maximum calculated value = 885.9 fc

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	7543.2	0.0	7543.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7543.2	0.0	7543.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	15086.4	0.0	15086.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9522.2	63.1
10°-20°	1176.8	7.8
20°-30°	705.1	4.7
30°-40°	758.1	5.0
40°-50°	1019.4	6.8
50°-60°	908.7	6.0
60°-70°	600.2	4.0
70°-80°	297.6	2.0
80°-90°	98.3	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°	15086.4	100.0
0°-180°	15086.4	100.0

Coefficient of Utilization



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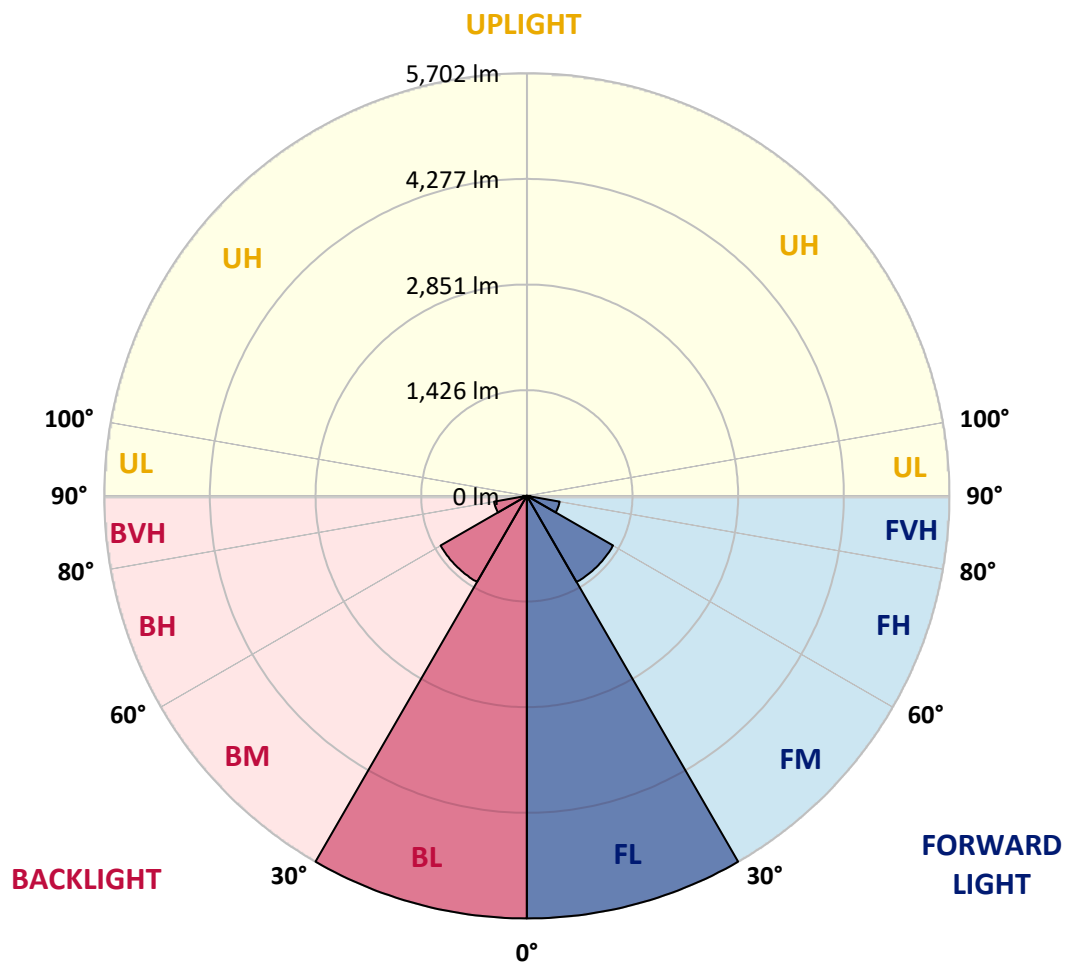
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5702.1	37.8			
FM	(30°-60°)	1343.1	8.9			
FH	(60°-80°)	448.9	3.0			G0/660
FVH	(80°-90°)	49.1	0.3			G1/100
BL	(0°-30°)	5702.1	37.8	B5		
BM	(30°-60°)	1343.1	8.9	B2/2500		
BH	(60°-80°)	448.9	3.0	B1/500		G0/660
BVH	(80°-90°)	49.1	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°	354352.8	354352.8	354352.8	354352.8	354352.8	354352.8	354352.8	354352.8	354352.8	354352.8
1°	342475.5	338960.2	340768.3	342496.3	344919.8	345987.2	347075.5	347889.1	347875.2	349217.3
2°	309767.5	304103.5	306728.7	309948.3	316175.6	317962.8	320949.5	324645.5	324871.5	328216.4
3°	261096.8	253144.9	257011.3	262744.9	273068.0	275738.3	280526.1	283905.8	282396.8	286311.8
4°	200357.4	189982.1	195889.5	204376.8	214425.3	224619.8	224821.5	227244.9	222269.4	222029.4
5°	135174.5	126026.6	133606.4	144221.6	152903.6	160028.0	164415.9	164718.4	159339.5	158849.3
6°	82442.6	76389.2	82985.1	94219.2	106246.0	109208.4	109879.5	108356.6	101301.8	97397.1
7°	45565.8	43097.2	49543.5	56247.1	65624.5	69960.3	66959.7	62091.9	59932.7	55284.0
8°	25128.1	23911.2	25750.5	31543.2	38820.5	41668.1	38771.8	33716.3	30075.9	28789.4
9°	15149.2	14474.7	15225.7	17430.1	20573.3	22548.2	20889.7	18400.2	16863.3	16435.7
10°	10062.4	9798.1	10118.0	10862.1	11992.1	12569.3	12155.5	11168.1	10702.1	10674.3
12.5°	5281.5	5232.9	5312.8	5396.3	5591.0	5622.3	5549.3	5479.7	5371.9	5413.7
15°	3400.5	3355.3	3438.7	3546.5	3595.2	3626.5	3630.0	3591.7	3518.7	3483.9
17.5°	2479.1	2489.5	2496.5	2559.1	2652.9	2726.0	2694.7	2652.9	2569.5	2527.8
20°	2041.0	2044.5	2058.4	2093.1	2124.4	2225.3	2194.0	2131.4	2051.4	2020.1
22.5°	1745.4	1752.4	1759.4	1780.2	1787.2	1815.0	1818.5	1762.8	1717.6	1700.2
25°	1536.8	1536.8	1547.3	1564.6	1571.6	1550.7	1554.2	1529.9	1488.1	1467.3
27.5°	1303.9	1310.8	1321.3	1328.2	1314.3	1290.0	1258.7	1279.5	1258.7	1210.0
30°	1161.3	1168.3	1199.6	1178.7	1147.4	1116.1	1098.7	1126.5	1130.0	1088.3
32.5°	1150.9	1154.4	1164.8	1154.4	1116.1	1077.9	1053.5	1084.8	1091.8	1074.4
35°	1203.0	1192.6	1206.5	1213.5	1175.2	1133.5	1102.2	1130.0	1150.9	1157.8
37.5°	1456.9	1397.7	1352.5	1338.6	1314.3	1286.5	1244.8	1251.7	1290.0	1324.7
40°	1387.3	1373.4	1356.0	1310.8	1265.6	1300.4	1251.7	1237.8	1324.7	1331.7
42.5°	1376.9	1387.3	1373.4	1317.8	1272.6	1307.3	1296.9	1255.2	1342.1	1331.7
45°	1383.8	1394.3	1425.6	1331.7	1293.4	1310.8	1331.7	1286.5	1373.4	1338.6
47.5°	1328.2	1342.1	1376.9	1324.7	1300.4	1296.9	1328.2	1286.5	1331.7	1328.2
50°	1255.2	1269.1	1279.5	1234.3	1279.5	1255.2	1258.7	1241.3	1241.3	1248.2
52.5°	1161.3	1175.2	1185.6	1133.5	1161.3	1171.7	1130.0	1126.5	1095.2	1105.7
55°	1046.6	1067.4	1077.9	1057.0	1043.1	1064.0	1004.8	997.9	935.3	938.8
57.5°	914.4	935.3	945.7	970.1	959.6	917.9	883.2	855.3	785.8	758.0
60°	942.3	963.1	942.3	872.7	872.7	778.8	747.6	688.4	618.9	584.1
62.5°	911.0	938.8	935.3	862.3	775.4	657.1	601.5	538.9	469.4	424.2
65°	858.8	886.6	872.7	824.0	740.6	563.3	479.8	417.2	330.3	319.9
67.5°	771.9	813.6	785.8	754.5	688.4	511.1	382.5	312.9	239.9	239.9
70°	639.8	671.1	688.4	653.7	615.4	479.8	326.8	239.9	173.8	132.1
72.5°	514.6	542.4	570.2	552.8	518.1	434.6	292.1	191.2	125.2	76.5
75°	285.1	295.5	306.0	347.7	396.4	354.7	267.7	166.9	104.3	59.1
77.5°	219.0	229.5	253.8	233.0	215.6	274.7	292.1	194.7	90.4	41.7
80°	170.4	184.3	260.8	215.6	184.3	208.6	250.3	170.4	59.1	20.9
82.5°	128.6	139.1	184.3	205.1	194.7	156.5	135.6	114.7	52.2	13.9
85°	93.9	107.8	128.6	114.7	111.3	111.3	149.5	100.8	38.2	10.4
87.5°	55.6	55.6	59.1	55.6	52.2	52.2	59.1	48.7	24.3	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

354352.8

346519.2
325260.9
282125.5
220972.4
156863.9
97737.9
53100.4
27621.1
15855.0
10344.0
5257.2
3428.3
2482.6
1985.4
1679.4
1449.9
1213.5
1074.4
1064.0
1157.8
1356.0
1342.1
1324.7
1328.2
1321.3
1223.9
1088.3
914.4
740.6
556.3
417.2
319.9
212.1
118.2
73.0
52.2
20.9
13.9
10.4
7.0
7.0
0.0

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