

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: P635912

Luminaire Tested: **IFLD-M-SA4B-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635912
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-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: 11136.3 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 166.1
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



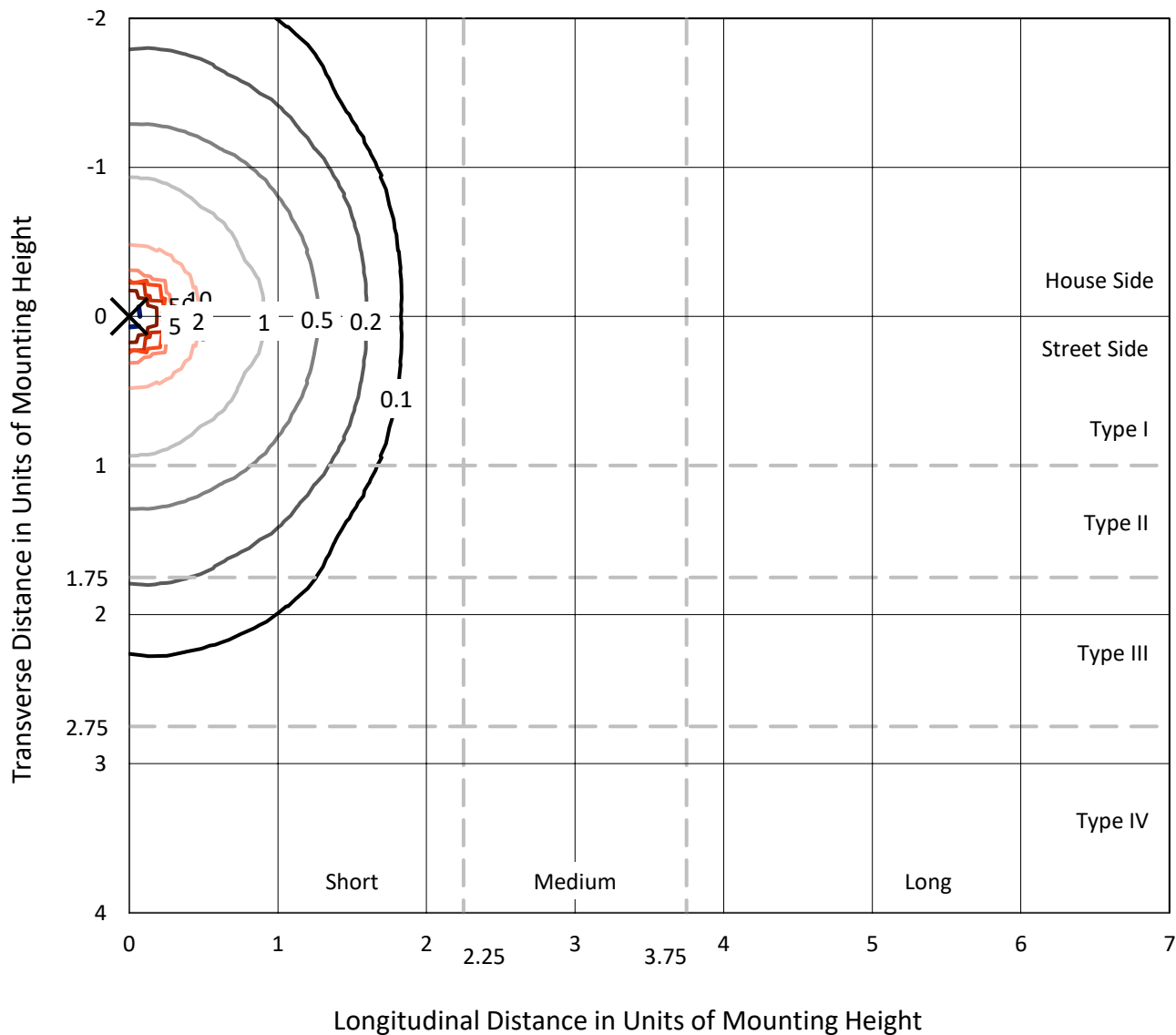
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

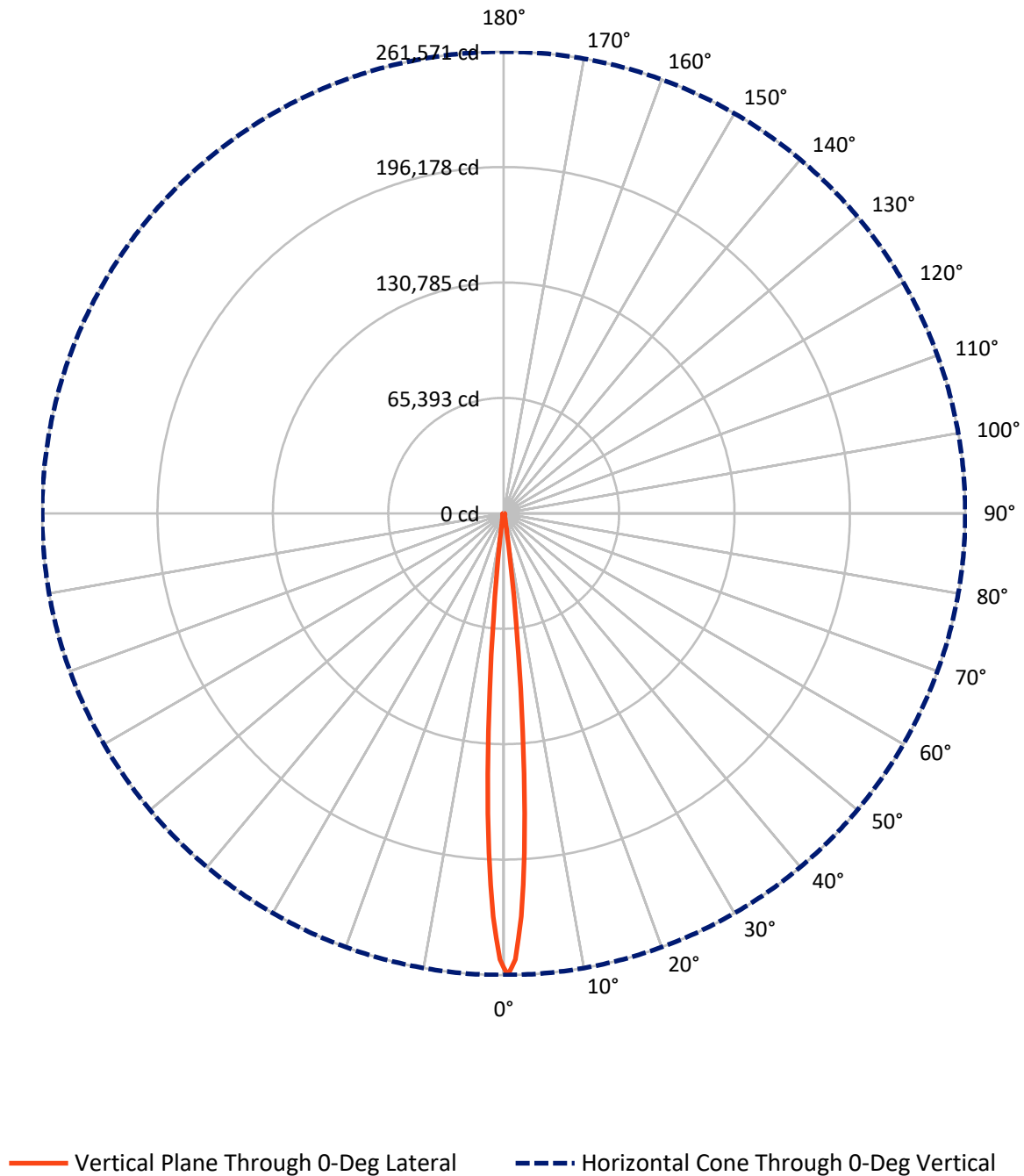


Based on 20 foot mounting height. Maximum calculated value = 653.9 fc

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	5568.1	0.0	5568.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5568.1	0.0	5568.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	11136.3	0.0	11136.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7029.0	63.1
10°-20°	868.7	7.8
20°-30°	520.5	4.7
30°-40°	559.6	5.0
40°-50°	752.5	6.8
50°-60°	670.8	6.0
60°-70°	443.1	4.0
70°-80°	219.7	2.0
80°-90°	72.5	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°	11136.3	100.0
0°-180°	11136.3	100.0

Coefficient of Utilization



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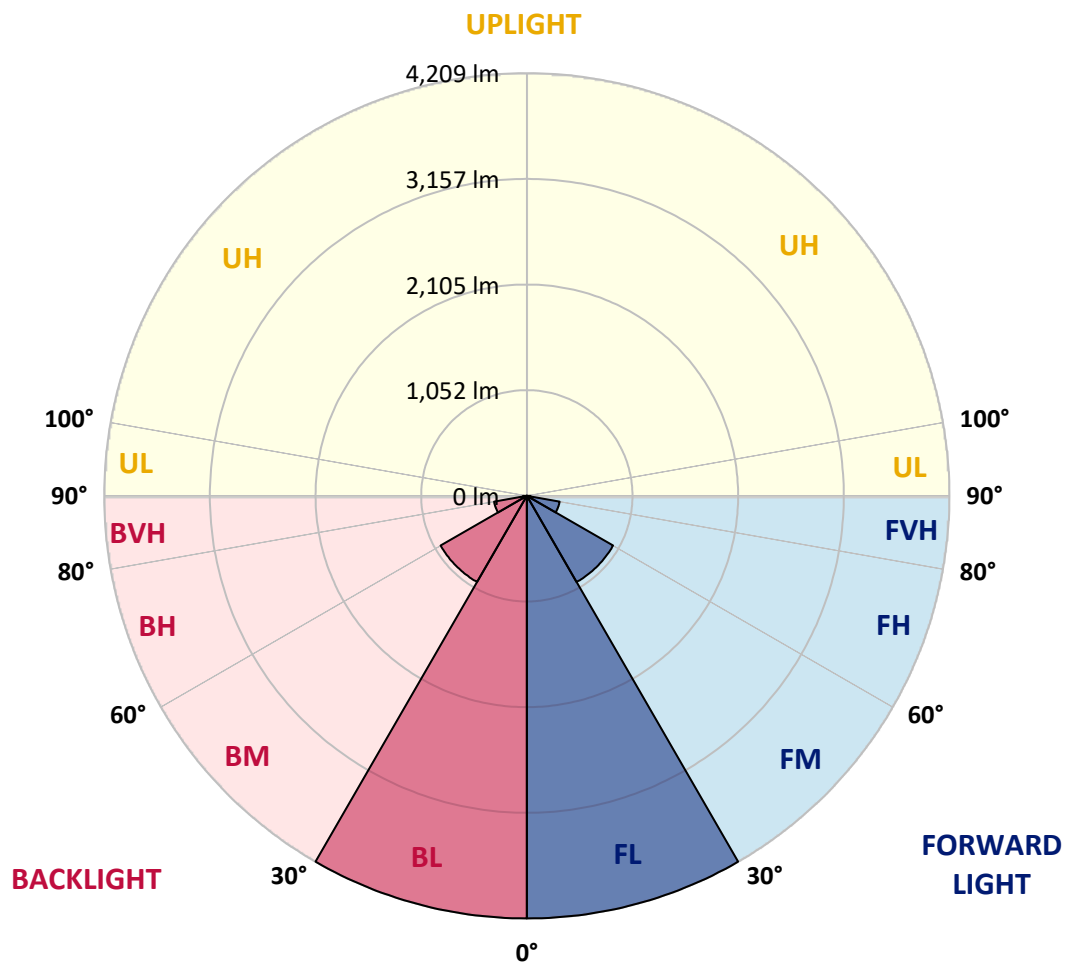
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4209.1	37.8			
FM	(30°-60°)	991.4	8.9			
FH	(60°-80°)	331.4	3.0			G0/660
FVH	(80°-90°)	36.3	0.3			G1/100
BL	(0°-30°)	4209.1	37.8	B4/5000		
BM	(30°-60°)	991.4	8.9	B1/1000		
BH	(60°-80°)	331.4	3.0	B1/500		G0/660
BVH	(80°-90°)	36.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	261570.6	261570.6	261570.6	261570.6	261570.6	261570.6	261570.6	261570.6	261570.6	261570.6
1°	252803.2	250208.4	251543.0	252818.6	254607.5	255395.5	256198.8	256799.4	256789.1	257779.8
2°	228659.4	224478.4	226416.2	228792.8	233389.6	234708.8	236913.5	239641.8	239808.6	242277.7
3°	192732.4	186862.6	189716.6	193948.9	201569.1	203540.2	207074.4	209569.1	208455.2	211345.2
4°	147896.7	140238.0	144598.7	150863.7	158281.1	165806.3	165955.2	167744.1	164071.3	163894.2
5°	99781.0	93028.3	98623.5	106459.3	112868.0	118126.9	121366.0	121589.3	117618.8	117256.9
6°	60856.2	56387.8	61256.6	69549.2	78427.0	80613.8	81109.1	79985.0	74777.4	71895.1
7°	33635.1	31812.8	36571.2	41519.6	48441.7	51642.2	49427.2	45834.0	44240.2	40808.7
8°	18548.7	17650.4	19008.1	23284.0	28655.9	30757.9	28620.0	24888.1	22200.9	21251.3
9°	11182.6	10684.7	11239.1	12866.3	15186.5	16644.3	15420.0	13582.4	12447.9	12132.2
10°	7427.7	7232.6	7468.8	8018.0	8852.1	9278.2	8972.8	8243.9	7899.9	7879.4
12.5°	3898.6	3862.7	3921.7	3983.3	4127.1	4150.2	4096.3	4044.9	3965.4	3996.2
15°	2510.1	2476.8	2538.3	2617.9	2653.8	2676.9	2679.5	2651.3	2597.4	2571.7
17.5°	1830.0	1837.7	1842.8	1889.0	1958.3	2012.2	1989.1	1958.3	1896.7	1865.9
20°	1506.6	1509.2	1519.4	1545.1	1568.2	1642.6	1619.5	1573.3	1514.3	1491.2
22.5°	1288.4	1293.6	1298.7	1314.1	1319.2	1339.8	1342.3	1301.3	1267.9	1255.1
25°	1134.4	1134.4	1142.1	1155.0	1160.1	1144.7	1147.3	1129.3	1098.5	1083.1
27.5°	962.5	967.6	975.3	980.4	970.2	952.2	929.1	944.5	929.1	893.2
30°	857.2	862.4	885.5	870.1	847.0	823.9	811.0	831.6	834.1	803.3
32.5°	849.5	852.1	859.8	852.1	823.9	795.6	777.7	800.8	805.9	793.1
35°	888.0	880.3	890.6	895.7	867.5	836.7	813.6	834.1	849.5	854.7
37.5°	1075.4	1031.8	998.4	988.1	970.2	949.6	918.8	924.0	952.2	977.9
40°	1024.1	1013.8	1001.0	967.6	934.2	959.9	924.0	913.7	977.9	983.0
42.5°	1016.4	1024.1	1013.8	972.7	939.4	965.0	957.3	926.5	990.7	983.0
45°	1021.5	1029.2	1052.3	983.0	954.8	967.6	983.0	949.6	1013.8	988.1
47.5°	980.4	990.7	1016.4	977.9	959.9	957.3	980.4	949.6	983.0	980.4
50°	926.5	936.8	944.5	911.1	944.5	926.5	929.1	916.3	916.3	921.4
52.5°	857.2	867.5	875.2	836.7	857.2	864.9	834.1	831.6	808.5	816.2
55°	772.5	787.9	795.6	780.2	770.0	785.4	741.7	736.6	690.4	693.0
57.5°	675.0	690.4	698.1	716.1	708.4	677.6	651.9	631.4	580.0	559.5
60°	695.5	710.9	695.5	644.2	644.2	574.9	551.8	508.2	456.9	431.2
62.5°	672.4	693.0	690.4	636.5	572.3	485.1	444.0	397.8	346.5	313.1
65°	633.9	654.5	644.2	608.3	546.7	415.8	354.2	308.0	243.8	236.1
67.5°	569.8	600.6	580.0	556.9	508.2	377.3	282.3	231.0	177.1	177.1
70°	472.3	495.4	508.2	482.5	454.3	354.2	241.3	177.1	128.3	97.5
72.5°	379.9	400.4	420.9	408.1	382.4	320.8	215.6	141.2	92.4	56.5
75°	210.5	218.2	225.9	256.7	292.6	261.8	197.6	123.2	77.0	43.6
77.5°	161.7	169.4	187.4	172.0	159.1	202.8	215.6	143.7	66.7	30.8
80°	125.8	136.0	192.5	159.1	136.0	154.0	184.8	125.8	43.6	15.4
82.5°	95.0	102.7	136.0	151.4	143.7	115.5	100.1	84.7	38.5	10.3
85°	69.3	79.6	95.0	84.7	82.1	82.1	110.4	74.4	28.2	7.7
87.5°	41.1	41.1	43.6	41.1	38.5	38.5	43.6	35.9	18.0	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
261570.6
255788.1
240096.1
208255.0
163114.0
115791.4
72146.6
39196.8
20388.9
11703.6
7635.6
3880.7
2530.6
1832.5
1465.5
1239.7
1070.3
895.7
793.1
785.4
854.7
1001.0
990.7
977.9
980.4
975.3
903.4
803.3
675.0
546.7
410.7
308.0
236.1
156.6
87.3
53.9
38.5
15.4
10.3
7.7
5.1
5.1
0.0

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