

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: P635853

Luminaire Tested: **IFLD-M-SA4A-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635853
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8585.5 lumens
Efficiency: N/A
Efficacy: 66.8 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): 128.6
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

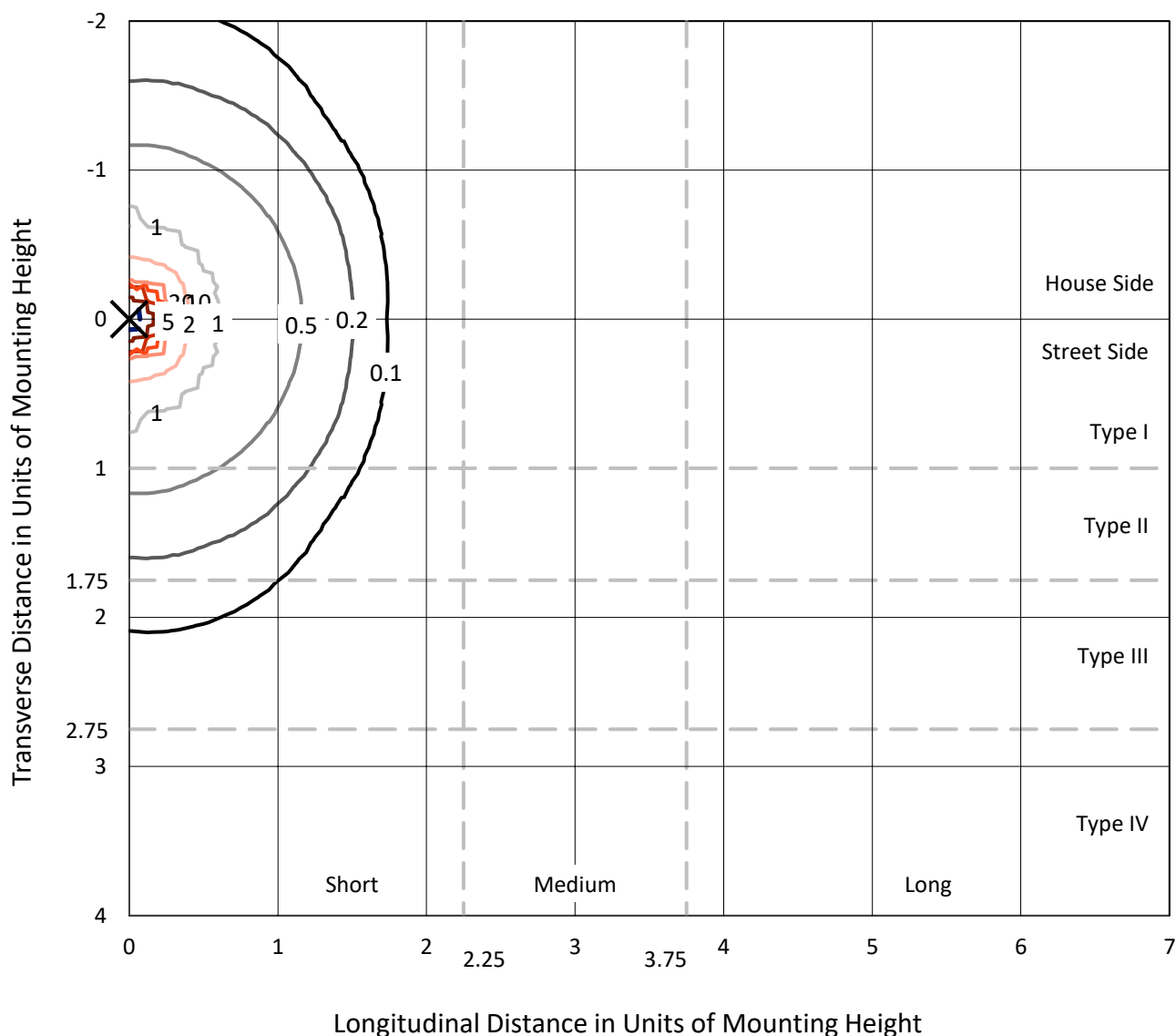


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

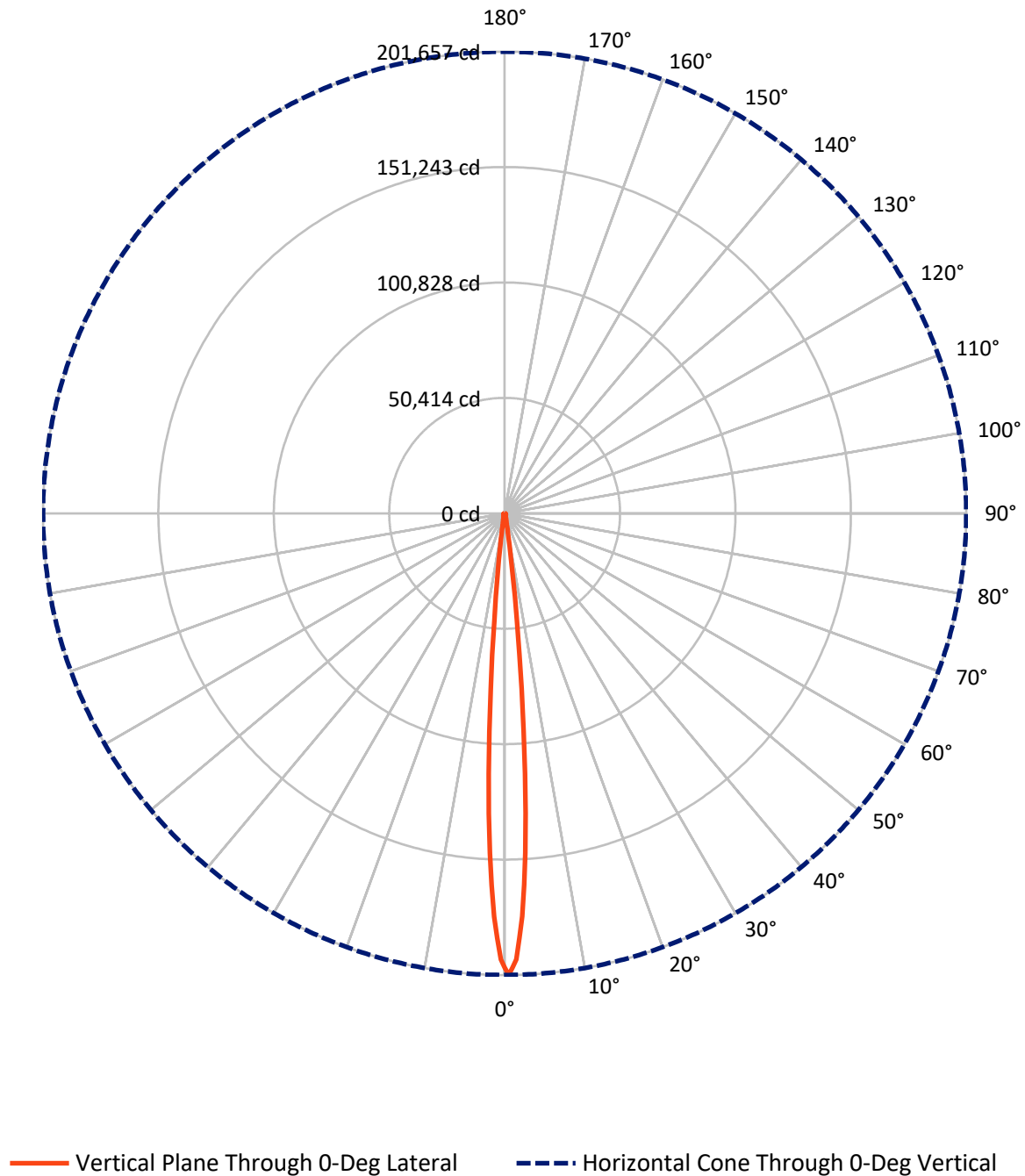
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 504.1 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	4292.7	0.0	4292.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4292.7	0.0	4292.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	8585.5	0.0	8585.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5418.9	63.1
10°-20°	669.7	7.8
20°-30°	401.3	4.7
30°-40°	431.4	5.0
40°-50°	580.1	6.8
50°-60°	517.1	6.0
60°-70°	341.6	4.0
70°-80°	169.4	2.0
80°-90°	55.9	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°	8585.5	100.0
0°-180°	8585.5	100.0

Coefficient of Utilization



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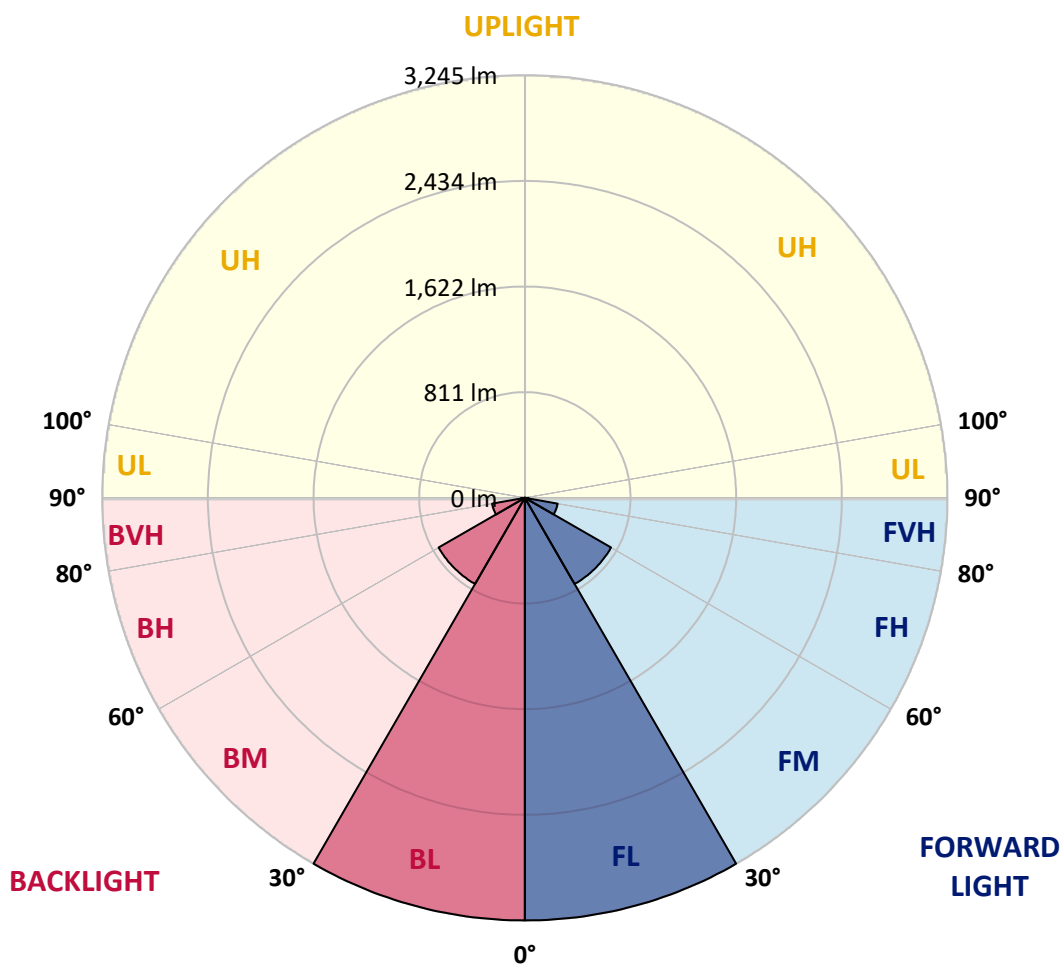
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3245.0	37.8			
FM	(30°-60°)	764.3	8.9			
FH	(60°-80°)	255.5	3.0			G0/660
FVH	(80°-90°)	28.0	0.3			G1/100
BL	(0°-30°)	3245.0	37.8	B4/5000		
BM	(30°-60°)	764.3	8.9	B1/1000		
BH	(60°-80°)	255.5	3.0	B1/500		G0/660
BVH	(80°-90°)	28.0	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°	201656.7	201656.7	201656.7	201656.7	201656.7	201656.7	201656.7	201656.7	201656.7	201656.7
1°	194897.5	192897.0	193926.0	194909.4	196288.5	196896.0	197515.3	197978.3	197970.4	198734.2
2°	176283.9	173060.6	174554.5	176386.8	179930.6	180947.7	182647.4	184750.7	184879.4	186782.9
3°	148586.1	144060.9	146261.2	149524.0	155398.8	156918.4	159643.1	161566.4	160707.6	162935.6
4°	114020.3	108115.9	111477.7	116307.7	122026.1	127827.6	127942.4	129321.6	126490.1	126353.5
5°	76925.7	71719.8	76033.3	82074.3	87015.1	91069.4	93566.5	93738.7	90677.7	90398.7
6°	46916.8	43471.9	47225.5	53618.7	60463.0	62148.8	62530.7	61664.0	57649.3	55427.2
7°	25930.8	24525.9	28194.4	32009.3	37345.9	39813.3	38105.7	35335.5	34106.8	31461.2
8°	14300.0	13607.5	14654.2	17950.7	22092.1	23712.7	22064.4	19187.4	17115.7	16383.6
9°	8621.2	8237.3	8664.7	9919.2	11707.9	12831.8	11888.0	10471.3	9596.7	9353.3
10°	5726.3	5576.0	5758.0	6181.4	6824.5	7153.0	6917.5	6355.6	6090.4	6074.6
12.5°	3005.6	2977.9	3023.4	3070.9	3181.7	3199.5	3158.0	3118.4	3057.1	3080.8
15°	1935.2	1909.4	1956.9	2018.3	2046.0	2063.8	2065.8	2044.0	2002.4	1982.7
17.5°	1410.8	1416.7	1420.7	1456.3	1509.7	1551.3	1533.5	1509.7	1462.3	1438.5
20°	1161.5	1163.5	1171.4	1191.2	1209.0	1266.4	1248.6	1212.9	1167.4	1149.6
22.5°	993.3	997.3	1001.2	1013.1	1017.0	1032.9	1034.9	1003.2	977.5	967.6
25°	874.6	874.6	880.5	890.4	894.4	882.5	884.5	870.6	846.9	835.0
27.5°	742.0	746.0	751.9	755.9	747.9	734.1	716.3	728.2	716.3	688.6
30°	660.9	664.8	682.6	670.8	653.0	635.2	625.3	641.1	643.1	619.3
32.5°	654.9	656.9	662.9	656.9	635.2	613.4	599.5	617.4	621.3	611.4
35°	684.6	678.7	686.6	690.6	668.8	645.1	627.2	643.1	654.9	658.9
37.5°	829.1	795.4	769.7	761.8	747.9	732.1	708.4	712.3	734.1	753.9
40°	789.5	781.6	771.7	746.0	720.2	740.0	712.3	704.4	753.9	757.8
42.5°	783.6	789.5	781.6	749.9	724.2	744.0	738.1	714.3	763.8	757.8
45°	787.5	793.5	811.3	757.8	736.1	746.0	757.8	732.1	781.6	761.8
47.5°	755.9	763.8	783.6	753.9	740.0	738.1	755.9	732.1	757.8	755.9
50°	714.3	722.2	728.2	702.4	728.2	714.3	716.3	706.4	706.4	710.4
52.5°	660.9	668.8	674.7	645.1	660.9	666.8	643.1	641.1	623.3	629.2
55°	595.6	607.5	613.4	601.5	593.6	605.5	571.8	567.9	532.3	534.2
57.5°	520.4	532.3	538.2	552.1	546.1	522.4	502.6	486.8	447.2	431.4
60°	536.2	548.1	536.2	496.7	496.7	443.2	425.4	391.8	352.2	332.4
62.5°	518.4	534.2	532.3	490.7	441.2	374.0	342.3	306.7	267.1	241.4
65°	488.7	504.6	496.7	469.0	421.5	320.5	273.1	237.4	188.0	182.0
67.5°	439.3	463.0	447.2	429.4	391.8	290.9	217.7	178.1	136.5	136.5
70°	364.1	381.9	391.8	372.0	350.2	273.1	186.0	136.5	98.9	75.2
72.5°	292.8	308.7	324.5	314.6	294.8	247.3	166.2	108.8	71.2	43.5
75°	162.3	168.2	174.1	197.9	225.6	201.8	152.4	95.0	59.4	33.6
77.5°	124.7	130.6	144.4	132.6	122.7	156.3	166.2	110.8	51.4	23.7
80°	97.0	104.9	148.4	122.7	104.9	118.7	142.5	97.0	33.6	11.9
82.5°	73.2	79.1	104.9	116.7	110.8	89.0	77.2	65.3	29.7	7.9
85°	53.4	61.3	73.2	65.3	63.3	63.3	85.1	57.4	21.8	5.9
87.5°	31.7	31.7	33.6	31.7	29.7	29.7	33.6	27.7	13.9	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

201656.7

197198.7
185101.0
160553.3
125752.0
89268.8
55621.1
30218.6
15718.8
9022.8
5886.6
2991.8
1951.0
1412.8
1129.8
955.7
825.1
690.6
611.4
605.5
658.9
771.7
763.8
753.9
755.9
751.9
696.5
619.3
520.4
421.5
316.6
237.4
182.0
120.7
67.3
41.6
29.7
11.9
7.9
5.9
4.0
4.0
0.0

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