

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: P635882

Luminaire Tested: **IFLD-M-SA4A-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635882
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8679 lumens
Efficiency: N/A
Efficacy: 67.5 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

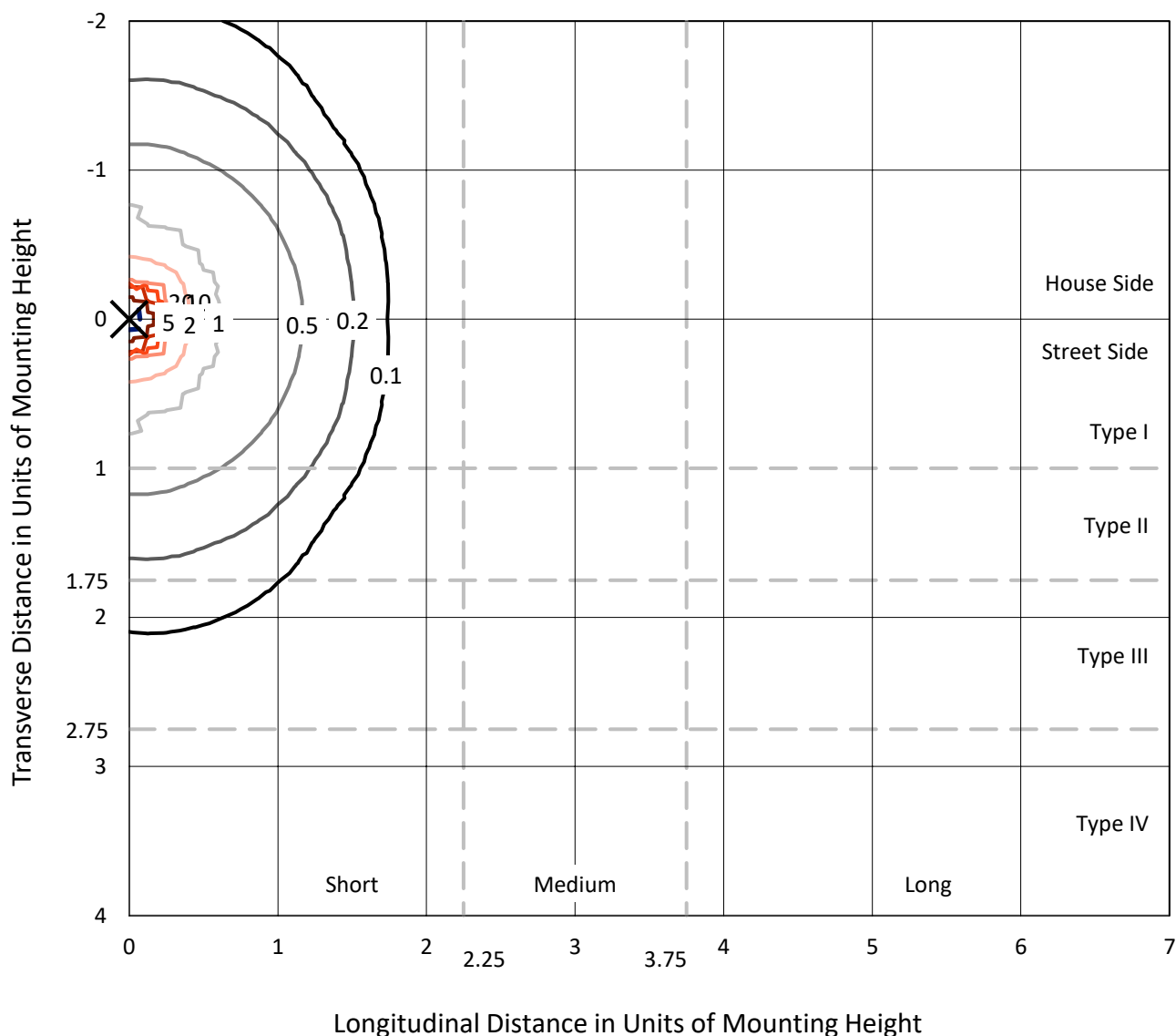


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

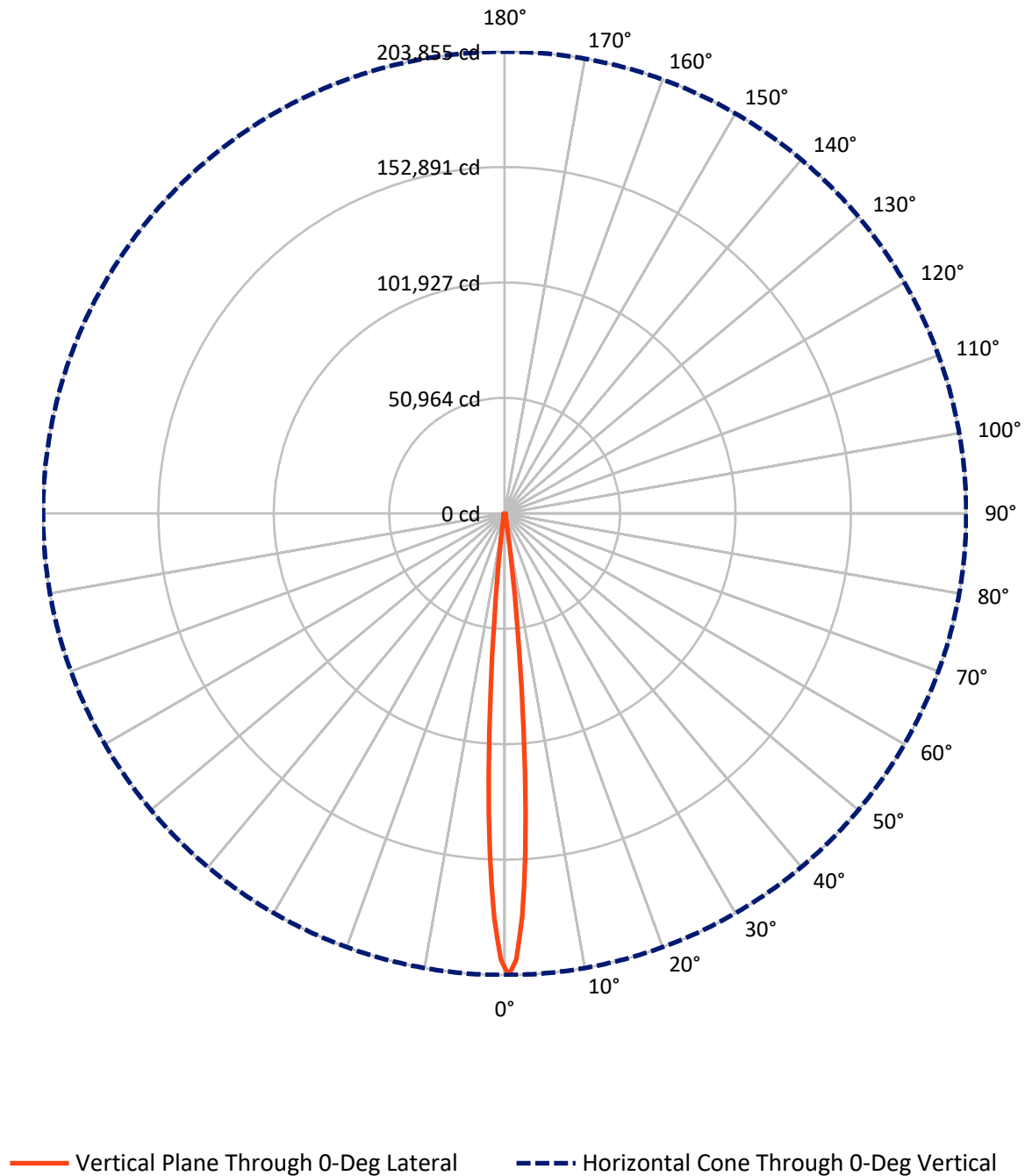
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 509.6 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	4339.5	0.0	4339.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4339.5	0.0	4339.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8679.0	0.0	8679.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5478.0	63.1
10°-20°	677.0	7.8
20°-30°	405.6	4.7
30°-40°	436.1	5.0
40°-50°	586.4	6.8
50°-60°	522.8	6.0
60°-70°	345.3	4.0
70°-80°	171.2	2.0
80°-90°	56.5	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°	8679.0	100.0
0°-180°	8679.0	100.0



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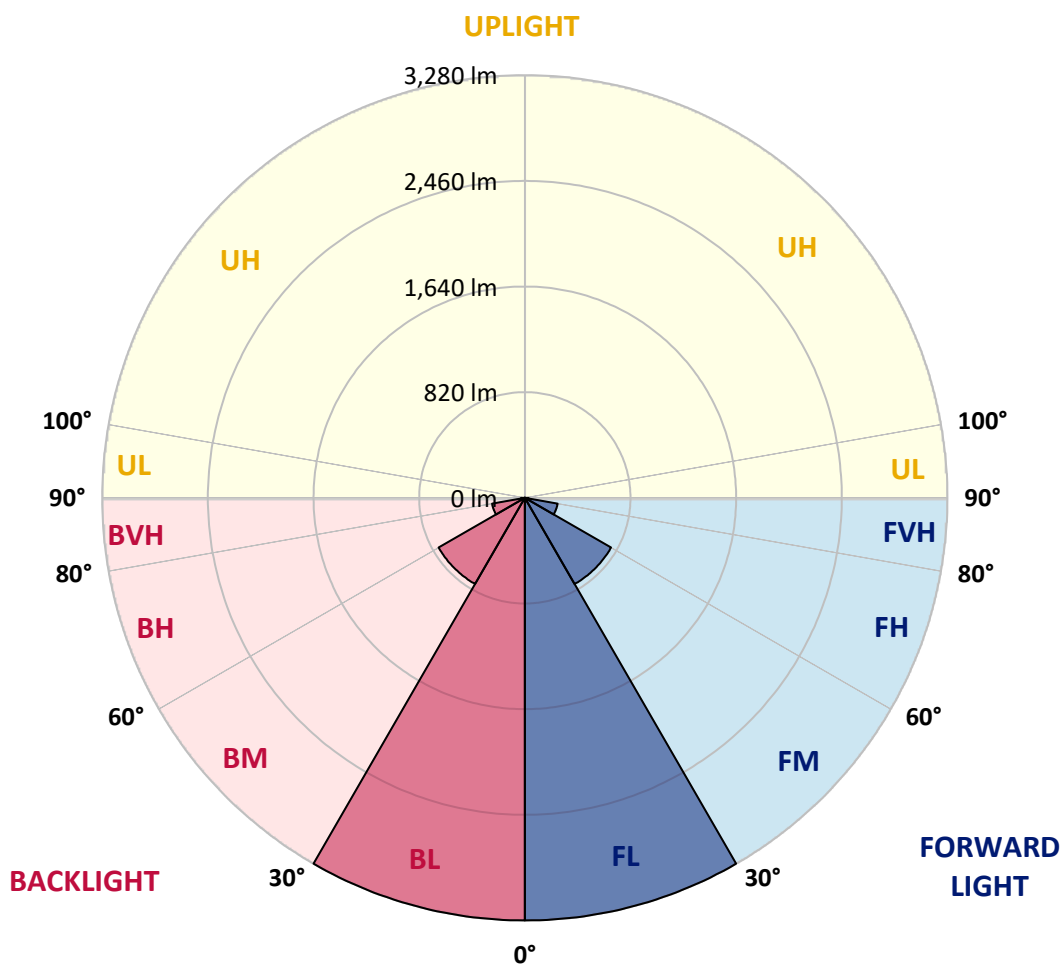
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3280.3	37.8			
FM	(30°-60°)	772.7	8.9			
FH	(60°-80°)	258.2	3.0			G0/660
FVH	(80°-90°)	28.3	0.3			G1/100
BL	(0°-30°)	3280.3	37.8	B4/5000		
BM	(30°-60°)	772.7	8.9	B1/1000		
BH	(60°-80°)	258.2	3.0	B1/500		G0/660
BVH	(80°-90°)	28.3	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°	203854.5	203854.5	203854.5	203854.5	203854.5	203854.5	203854.5	203854.5	203854.5	203854.5
1°	197021.6	194999.4	196039.5	197033.6	198427.8	199041.9	199668.0	200136.0	200128.0	200900.1
2°	178205.2	174946.8	176457.0	178309.2	181891.7	182919.8	184638.0	186764.3	186894.3	188818.6
3°	150205.5	145630.9	147855.2	151153.7	157092.4	158628.6	161383.0	163327.2	162459.1	164711.4
4°	115263.0	109294.2	112692.7	117575.3	123356.0	129220.8	129336.8	130731.0	127868.6	127730.6
5°	77764.1	72501.4	76862.0	82968.8	87963.4	92062.0	94586.3	94760.3	91665.9	91383.9
6°	47428.2	43945.7	47740.2	54203.1	61122.0	62826.2	63212.2	62336.1	58277.6	56031.3
7°	26213.4	24793.2	28501.7	32358.2	37752.9	40247.2	38521.0	35720.6	34478.5	31804.1
8°	14455.9	13755.8	14813.9	18146.4	22332.9	23971.1	22304.9	19396.5	17302.3	16562.2
9°	8715.1	8327.1	8759.1	10027.3	11835.5	12971.7	12017.6	10585.4	9701.3	9455.2
10°	5788.8	5636.7	5820.8	6248.8	6898.9	7230.9	6992.9	6424.8	6156.8	6140.8
12.5°	3038.4	3010.4	3056.4	3104.4	3216.4	3234.4	3192.4	3152.4	3090.4	3114.4
15°	1956.3	1930.3	1978.3	2040.3	2068.3	2086.3	2088.3	2066.3	2024.3	2004.3
17.5°	1426.2	1432.2	1436.2	1472.2	1526.2	1568.2	1550.2	1526.2	1478.2	1454.2
20°	1174.2	1176.2	1184.2	1204.2	1222.2	1280.2	1262.2	1226.2	1180.2	1162.2
22.5°	1004.1	1008.1	1012.1	1024.1	1028.1	1044.1	1046.1	1014.1	988.1	978.1
25°	884.1	884.1	890.1	900.1	904.1	892.1	894.1	880.1	856.1	844.1
27.5°	750.1	754.1	760.1	764.1	756.1	742.1	724.1	736.1	724.1	696.1
30°	668.1	672.1	690.1	678.1	660.1	642.1	632.1	648.1	650.1	626.1
32.5°	662.1	664.1	670.1	664.1	642.1	620.1	606.1	624.1	628.1	618.1
35°	692.1	686.1	694.1	698.1	676.1	652.1	634.1	650.1	662.1	666.1
37.5°	838.1	804.1	778.1	770.1	756.1	740.1	716.1	720.1	742.1	762.1
40°	798.1	790.1	780.1	754.1	728.1	748.1	720.1	712.1	762.1	766.1
42.5°	792.1	798.1	790.1	758.1	732.1	752.1	746.1	722.1	772.1	766.1
45°	796.1	802.1	820.1	766.1	744.1	754.1	766.1	740.1	790.1	770.1
47.5°	764.1	772.1	792.1	762.1	748.1	746.1	764.1	740.1	766.1	764.1
50°	722.1	730.1	736.1	710.1	736.1	722.1	724.1	714.1	714.1	718.1
52.5°	668.1	676.1	682.1	652.1	668.1	674.1	650.1	648.1	630.1	636.1
55°	602.1	614.1	620.1	608.1	600.1	612.1	578.1	574.1	538.1	540.1
57.5°	526.1	538.1	544.1	558.1	552.1	528.1	508.1	492.1	452.1	436.1
60°	542.1	554.1	542.1	502.1	502.1	448.1	430.1	396.1	356.0	336.0
62.5°	524.1	540.1	538.1	496.1	446.1	378.0	346.0	310.0	270.0	244.0
65°	494.1	510.1	502.1	474.1	426.1	324.0	276.0	240.0	190.0	184.0
67.5°	444.1	468.1	452.1	434.1	396.1	294.0	220.0	180.0	138.0	138.0
70°	368.0	386.1	396.1	376.0	354.0	276.0	188.0	138.0	100.0	76.0
72.5°	296.0	312.0	328.0	318.0	298.0	250.0	168.0	110.0	72.0	44.0
75°	164.0	170.0	176.0	200.0	228.0	204.0	154.0	96.0	60.0	34.0
77.5°	126.0	132.0	146.0	134.0	124.0	158.0	168.0	112.0	52.0	24.0
80°	98.0	106.0	150.0	124.0	106.0	120.0	144.0	98.0	34.0	12.0
82.5°	74.0	80.0	106.0	118.0	112.0	90.0	78.0	66.0	30.0	8.0
85°	54.0	62.0	74.0	66.0	64.0	64.0	86.0	58.0	22.0	6.0
87.5°	32.0	32.0	34.0	32.0	30.0	30.0	34.0	28.0	14.0	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°
203854.5
199347.9
187118.3
162303.1
127122.5
90241.7
56227.3
30548.0
15890.1
9121.2
5950.8
3024.4
1972.3
1428.2
1142.1
966.1
834.1
698.1
618.1
612.1
666.1
780.1
772.1
762.1
764.1
760.1
704.1
626.1
526.1
426.1
320.0
240.0
184.0
122.0
68.0
42.0
30.0
12.0
8.0
6.0
4.0
4.0
0.0

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