

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: P636376

Luminaire Tested: **IFLD-M-SA4B-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636376
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-940-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15429.4 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

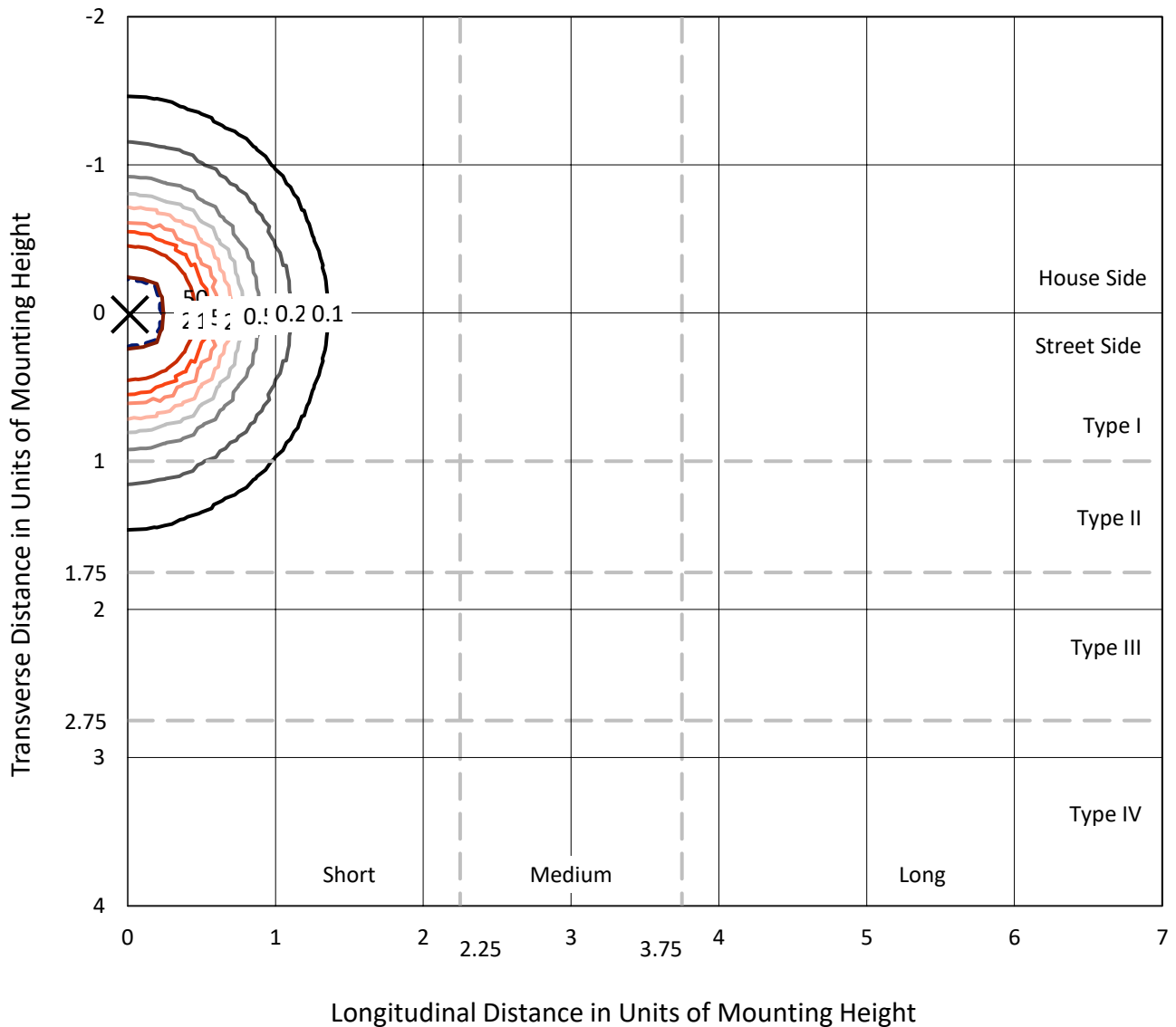
Input Watts (W): 166.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

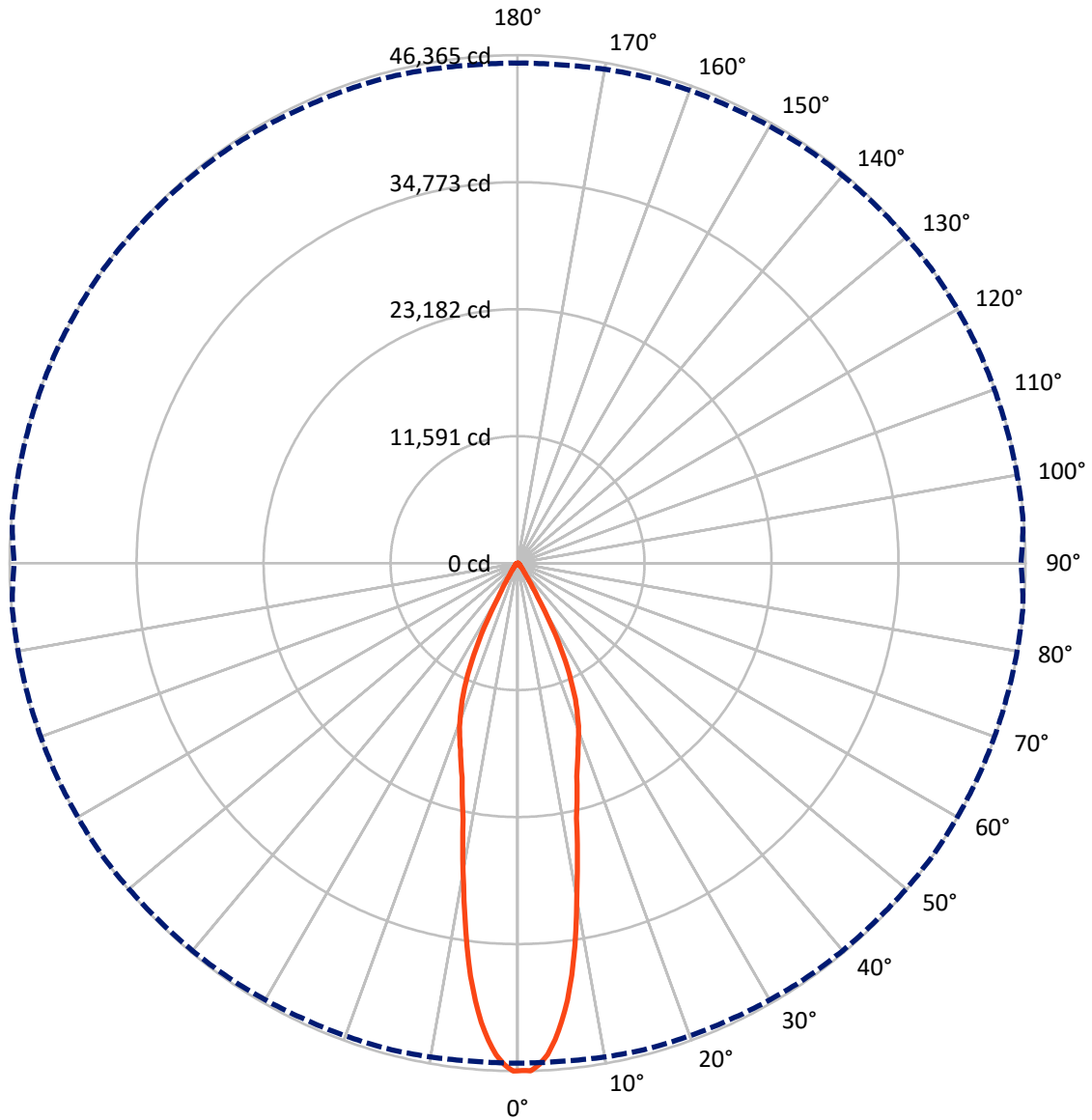
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 115.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7714.7	0.0	7714.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7714.7	0.0	7714.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	15429.4	0.0	15429.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3523.6	22.8
10°-20°	5755.0	37.3
20°-30°	4497.2	29.1
30°-40°	980.3	6.4
40°-50°	290.2	1.9
50°-60°	181.5	1.2
60°-70°	126.9	0.8
70°-80°	54.5	0.4
80°-90°	20.1	0.1
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°	15429.4	100.0
0°-180°	15429.4	100.0



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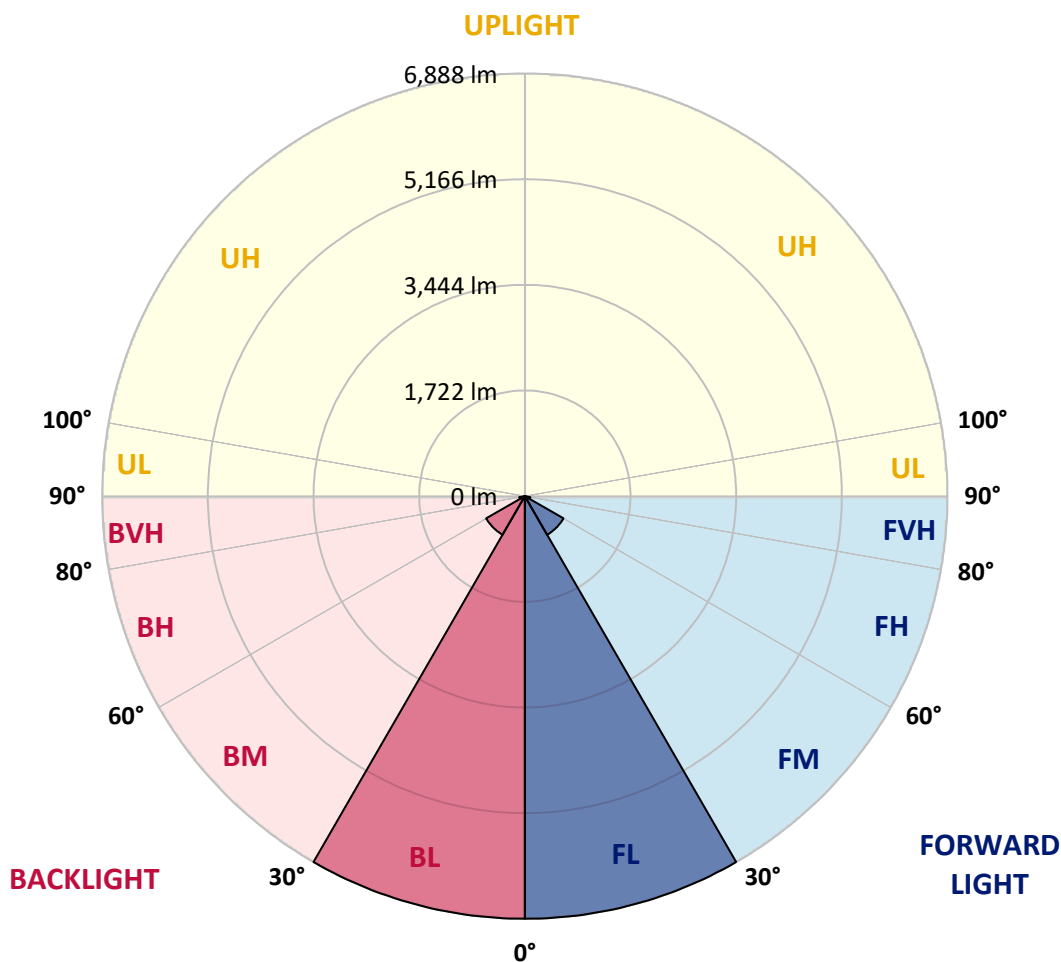
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6887.9	44.6			
FM (30°-60°)	726.0	4.7			
FH (60°-80°)	90.7	0.6			G0/660
FVH (80°-90°)	10.1	0.1			G1/100
BL (0°-30°)	6887.9	44.6	B5		
BM (30°-60°)	726.0	4.7	B1/1000		
BH (60°-80°)	90.7	0.6	B0/110		G0/660
BVH (80°-90°)	10.1	0.1			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°	46311.4	46311.4	46311.4	46311.4	46311.4	46311.4	46311.4	46311.4	46311.4	46311.4
1°	45641.0	45646.6	45895.2	45951.1	46121.5	46208.1	46364.5	46347.7	46300.2	46305.8
2°	44800.3	44764.0	44995.8	45252.8	45456.7	45624.3	45811.4	45850.5	45805.8	45847.7
3°	43417.6	43364.6	43688.6	44009.8	44364.5	44652.2	44934.4	44945.5	44892.5	44889.7
4°	41599.3	41501.5	41887.0	42459.6	42906.5	43289.2	43641.1	43635.5	43562.9	43621.6
5°	39401.0	39278.1	39778.1	40532.3	41194.3	41655.1	42043.4	41951.2	41783.6	41792.0
6°	36702.8	36822.9	37434.6	38493.2	39275.3	39658.0	40135.6	39962.4	39672.0	39641.2
7°	34166.5	34437.5	34926.3	36202.8	37132.9	37535.1	37940.2	37591.0	37197.2	37132.9
8°	31496.2	31948.7	32624.7	33800.6	34792.2	35197.2	35350.9	34976.6	34554.8	34538.0
9°	29331.5	29641.5	30222.5	31258.8	32267.2	32538.1	32571.6	32244.8	31823.0	31851.0
10°	27362.3	27420.9	27923.7	28814.7	29622.0	29814.7	29806.3	29568.9	29222.6	29314.7
12.5°	22954.6	23113.8	23259.1	23544.0	23814.9	23940.6	23893.1	23795.4	23605.4	23613.8
15°	19963.1	19960.3	19977.0	20108.3	20189.3	20203.3	20203.3	20080.4	19999.4	20119.5
17.5°	17323.5	17468.7	17728.5	17834.6	17940.8	17901.7	17829.1	17773.2	17720.1	17823.5
20°	15270.5	15334.7	15337.5	15407.3	15943.6	15971.6	15879.4	15720.2	15586.1	15561.0
22.5°	12960.5	13058.3	13100.2	13161.6	13217.5	13625.3	13516.3	13259.4	13100.2	13052.7
25°	9728.7	9695.2	9969.0	10471.7	10552.7	10603.0	10575.1	10441.0	10337.7	10357.2
27.5°	6723.3	6781.9	6770.7	6776.3	7309.8	7307.0	7298.7	7181.3	7150.6	7105.9
30°	3759.7	3731.7	3745.7	3709.4	3634.0	3726.1	3578.1	3703.8	3580.9	3620.0
32.5°	2223.4	2203.8	2184.3	2192.7	2136.8	1999.9	1941.3	2027.9	1999.9	1988.8
35°	1419.0	1427.3	1452.5	1449.7	1399.4	1321.2	1237.4	1315.6	1304.4	1270.9
37.5°	905.0	905.0	913.4	986.0	944.1	877.1	818.4	851.9	849.1	843.5
40°	642.4	642.4	653.6	673.2	650.8	617.3	583.8	583.8	589.4	572.6
42.5°	477.6	477.6	488.8	500.0	472.1	460.9	444.1	432.9	446.9	432.9
45°	374.3	371.5	374.3	368.7	351.9	351.9	338.0	321.2	338.0	329.6
47.5°	307.3	304.5	301.7	290.5	273.7	276.5	270.9	257.0	265.4	262.6
50°	268.1	262.6	265.4	254.2	240.2	237.4	237.4	223.5	226.2	226.2
52.5°	234.6	234.6	231.8	226.2	220.7	209.5	212.3	198.3	198.3	198.3
55°	220.7	220.7	215.1	203.9	206.7	198.3	189.9	181.6	178.8	178.8
57.5°	217.9	217.9	215.1	203.9	195.5	192.7	181.6	170.4	162.0	164.8
60°	212.3	212.3	206.7	203.9	189.9	184.4	167.6	159.2	148.0	148.0
62.5°	203.9	201.1	189.9	173.2	173.2	159.2	148.0	131.3	122.9	120.1
65°	173.2	170.4	162.0	148.0	139.7	131.3	114.5	97.8	92.2	83.8
67.5°	142.5	142.5	136.9	122.9	117.3	106.1	86.6	75.4	61.5	55.9
70°	117.3	117.3	111.7	103.3	97.8	83.8	67.0	55.9	41.9	36.3
72.5°	95.0	95.0	89.4	83.8	78.2	69.8	55.9	41.9	27.9	22.3
75°	75.4	75.4	72.6	67.0	61.5	55.9	44.7	33.5	19.6	11.2
77.5°	61.5	61.5	58.7	55.9	50.3	44.7	36.3	27.9	14.0	5.6
80°	47.5	47.5	47.5	47.5	41.9	36.3	30.7	22.3	11.2	2.8
82.5°	33.5	33.5	36.3	41.9	33.5	27.9	27.9	22.3	8.4	2.8
85°	22.3	25.1	27.9	25.1	22.3	22.3	39.1	36.3	8.4	2.8
87.5°	11.2	11.2	11.2	11.2	11.2	8.4	11.2	8.4	5.6	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
46311.4
45962.3
45518.1
44646.7
43345.0
41384.2
39233.4
36828.5
33926.3
31434.8
28990.7
23337.3
19840.2
17586.0
15399.0
12882.3
10290.2
6943.9
3667.5
1960.8
1234.6
832.4
567.0
430.2
329.6
262.6
229.0
198.3
176.0
164.8
139.7
114.5
81.0
53.1
33.5
19.6
8.4
5.6
2.8
2.8
2.8
0.0
0.0

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