

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: P636221

Luminaire Tested: **IFLD-S-SA3B-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636221
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11766.6 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

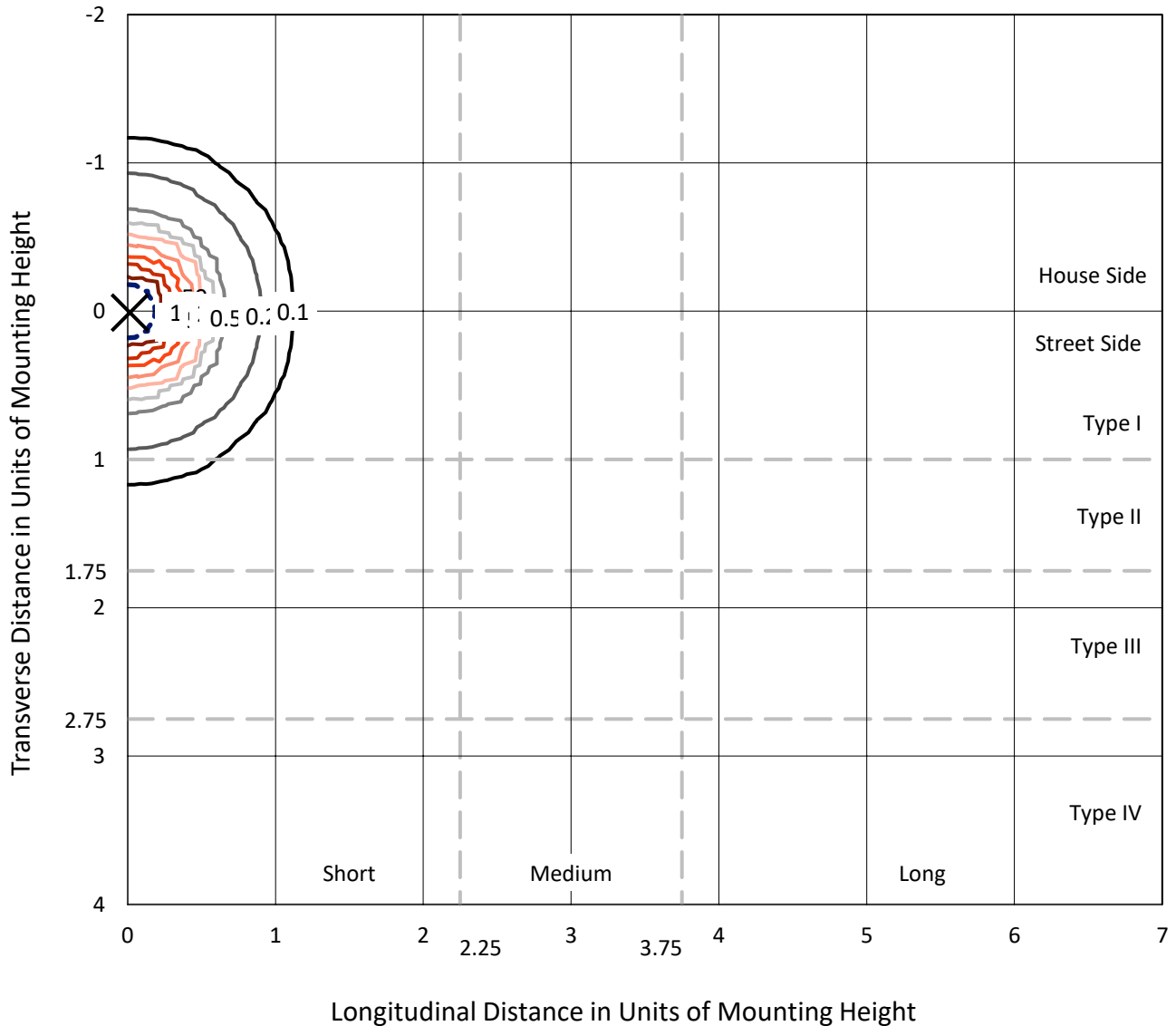
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

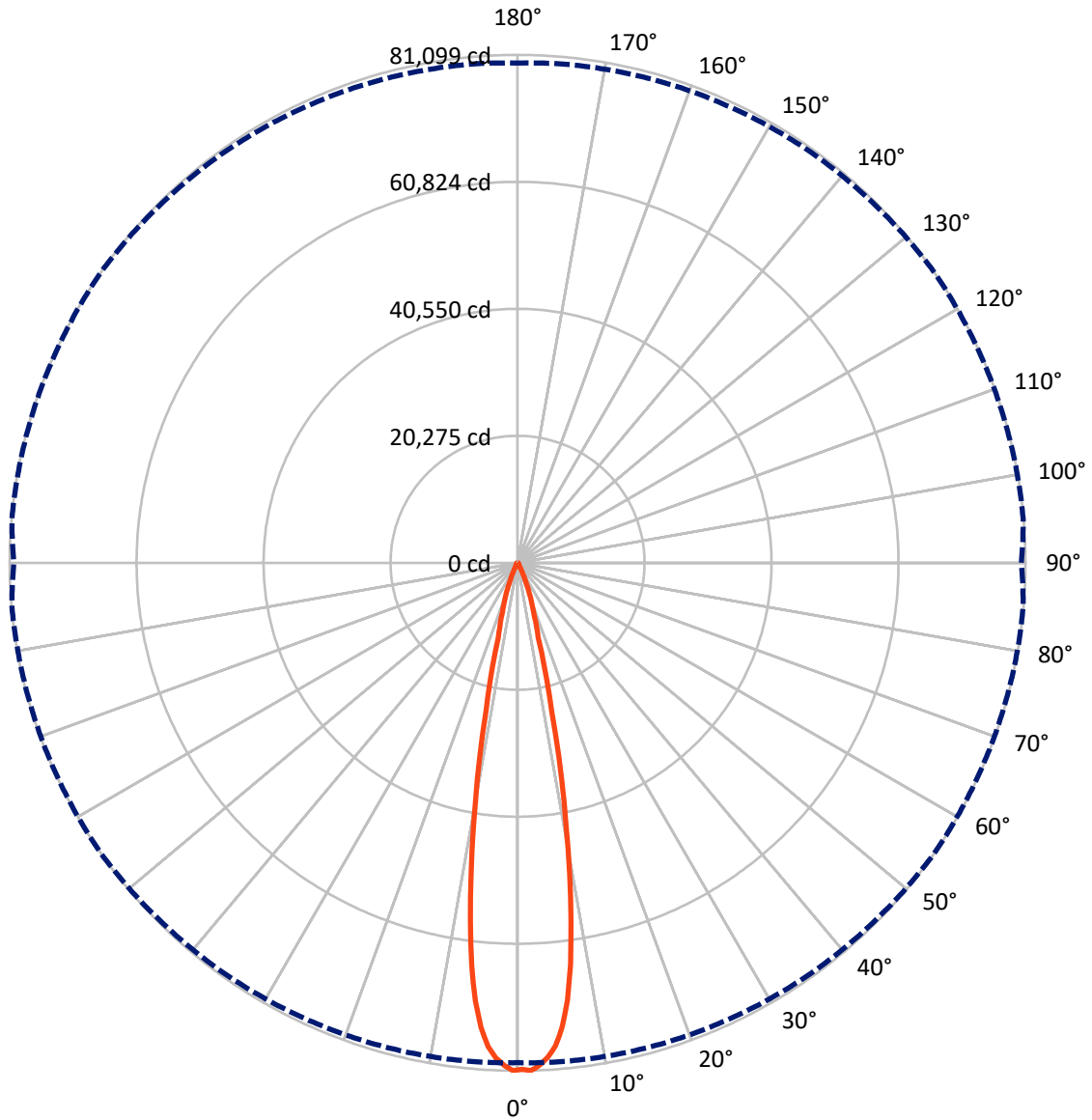
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 202.2 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	5883.3	0.0	5883.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5883.3	0.0	5883.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	11766.6	0.0	11766.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5978.3	50.8
10°-20°	4236.9	36.0
20°-30°	992.8	8.4
30°-40°	207.5	1.8
40°-50°	133.9	1.1
50°-60°	99.1	0.8
60°-70°	67.4	0.6
70°-80°	36.0	0.3
80°-90°	14.7	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°	11766.6	100.0
0°-180°	11766.6	100.0

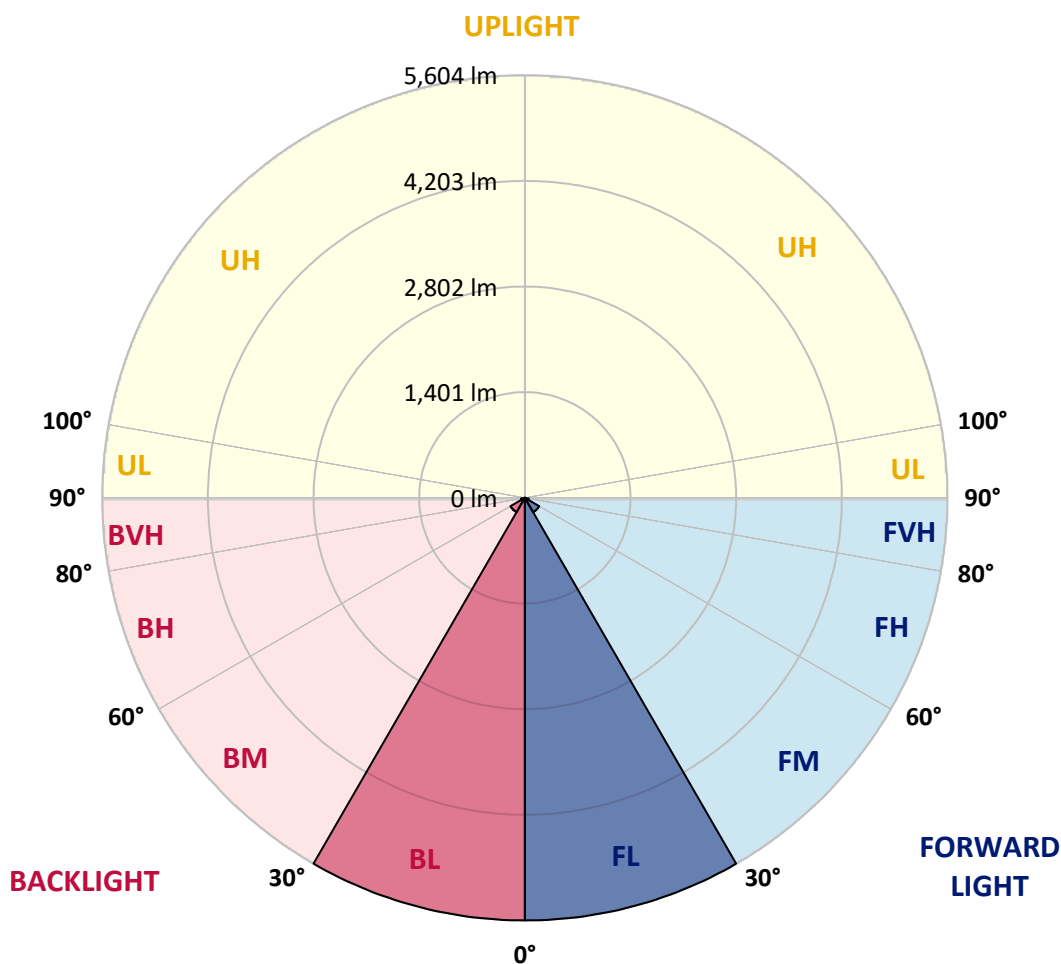


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5604.0	47.6			
FM (30°-60°)	220.3	1.9			
FH (60°-80°)	51.7	0.4			G0/660
FVH (80°-90°)	7.4	0.1			G0/10
BL (0°-30°)	5604.0	47.6	B5		
BM (30°-60°)	220.3	1.9	B1/1000		
BH (60°-80°)	51.7	0.4	B0/110		G0/660
BVH (80°-90°)	7.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	80891.1	80891.1	80891.1	80891.1	80891.1	80891.1	80891.1	80891.1	80891.1	80891.1
1°	79802.7	79950.5	80131.5	80295.9	80543.5	80745.4	81099.1	81024.2	81013.8	81028.4
2°	78256.6	78441.8	78720.7	78885.1	79523.9	79786.1	80320.9	80479.0	80352.1	80495.7
3°	75940.6	76092.5	76529.5	76852.0	77680.2	78387.7	79103.6	79340.8	79193.0	79259.6
4°	73183.4	73339.4	73868.0	74525.6	75722.1	76506.6	77363.9	77576.2	77093.4	77126.7
5°	69901.8	69974.6	70621.8	71221.1	72652.7	73603.7	74417.4	74483.9	74042.8	73874.2
6°	66210.3	66079.2	66674.3	66928.2	68707.3	69677.1	70272.2	70195.2	69860.2	69716.6
7°	61823.7	61644.8	62125.4	61988.1	63563.3	64116.9	64689.1	64426.9	64160.6	64491.4
8°	56748.4	56648.5	56338.4	56900.3	57212.4	57707.7	57705.6	57553.7	57545.4	58096.8
9°	49369.5	50291.3	50018.7	50607.6	50528.6	50505.7	50353.8	50256.0	49839.8	50474.5
10°	41266.4	41869.9	42329.8	43207.9	43037.3	43278.7	42433.8	42577.4	42300.7	42825.0
12.5°	21360.5	22038.9	22436.3	23106.4	23843.0	24596.3	24352.8	24101.1	23724.4	24186.4
15°	10514.8	10783.3	10910.2	11590.6	12115.0	12304.4	12333.5	12110.9	12015.2	12115.0
17.5°	6452.9	6546.5	6914.9	7697.3	8150.9	8263.3	8190.4	7947.0	7674.4	7559.9
20°	4671.6	4698.7	4838.1	4990.0	5595.6	5911.9	5795.3	5556.0	5304.2	5185.6
22.5°	3050.6	3077.7	3123.4	3206.7	3369.0	3760.2	3633.3	3471.0	3300.3	3264.9
25°	1727.2	1727.2	1775.0	1860.3	1981.0	2010.2	2035.1	1862.4	1783.3	1748.0
27.5°	963.5	969.7	980.1	1013.4	1073.7	1067.5	1040.5	994.7	940.6	884.4
30°	532.7	539.0	545.2	553.5	563.9	545.2	528.6	520.2	497.3	491.1
32.5°	399.5	399.5	403.7	401.6	391.2	368.3	357.9	370.4	368.3	357.9
35°	328.8	328.8	332.9	341.3	320.5	303.8	295.5	312.1	312.1	305.9
37.5°	268.4	270.5	272.6	283.0	276.8	258.0	256.0	260.1	262.2	260.1
40°	235.1	233.1	233.1	235.1	231.0	226.8	222.7	220.6	222.7	220.6
42.5°	203.9	201.8	206.0	201.8	193.5	195.6	195.6	189.4	191.4	187.3
45°	179.0	176.9	179.0	174.8	168.6	170.6	170.6	162.3	162.3	160.2
47.5°	158.1	158.1	158.1	160.2	149.8	147.7	149.8	147.7	141.5	139.4
50°	137.3	139.4	141.5	145.7	135.3	131.1	131.1	131.1	126.9	124.9
52.5°	126.9	129.0	129.0	129.0	122.8	118.6	118.6	116.5	114.4	112.4
55°	122.8	122.8	122.8	114.4	112.4	110.3	104.0	102.0	99.9	99.9
57.5°	116.5	116.5	114.4	108.2	102.0	102.0	93.6	91.6	89.5	89.5
60°	104.0	104.0	104.0	102.0	93.6	91.6	83.2	79.1	77.0	77.0
62.5°	95.7	95.7	95.7	87.4	85.3	79.1	72.8	66.6	64.5	60.3
65°	87.4	87.4	87.4	79.1	74.9	68.7	60.3	54.1	49.9	43.7
67.5°	81.2	81.2	79.1	72.8	66.6	58.3	49.9	43.7	35.4	31.2
70°	70.8	70.8	68.7	64.5	58.3	52.0	41.6	33.3	27.1	20.8
72.5°	60.3	60.3	58.3	54.1	49.9	43.7	35.4	29.1	18.7	14.6
75°	49.9	49.9	47.9	43.7	41.6	37.5	31.2	22.9	14.6	6.2
77.5°	41.6	41.6	39.5	37.5	35.4	31.2	27.1	18.7	10.4	4.2
80°	31.2	33.3	33.3	33.3	29.1	27.1	25.0	18.7	8.3	2.1
82.5°	22.9	25.0	25.0	25.0	22.9	20.8	22.9	16.6	8.3	2.1
85°	16.6	16.6	18.7	18.7	18.7	18.7	25.0	18.7	6.2	2.1
87.5°	8.3	8.3	8.3	8.3	8.3	10.4	12.5	10.4	4.2	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°
80891.1
80447.8
79950.5
78760.2
76631.4
73522.6
69394.0
64389.5
56567.3
49290.4
41480.8
22935.7
11648.9
7399.7
5094.1
3192.1
1718.8
886.5
491.1
351.7
303.8
260.1
222.7
189.4
160.2
139.4
122.8
110.3
97.8
89.5
74.9
56.2
43.7
29.1
20.8
12.5
6.2
2.1
2.1
2.1
2.1
0.0
0.0

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