

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: P636158

Luminaire Tested: **IFLD-S-SA2B-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636158
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6992.9 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

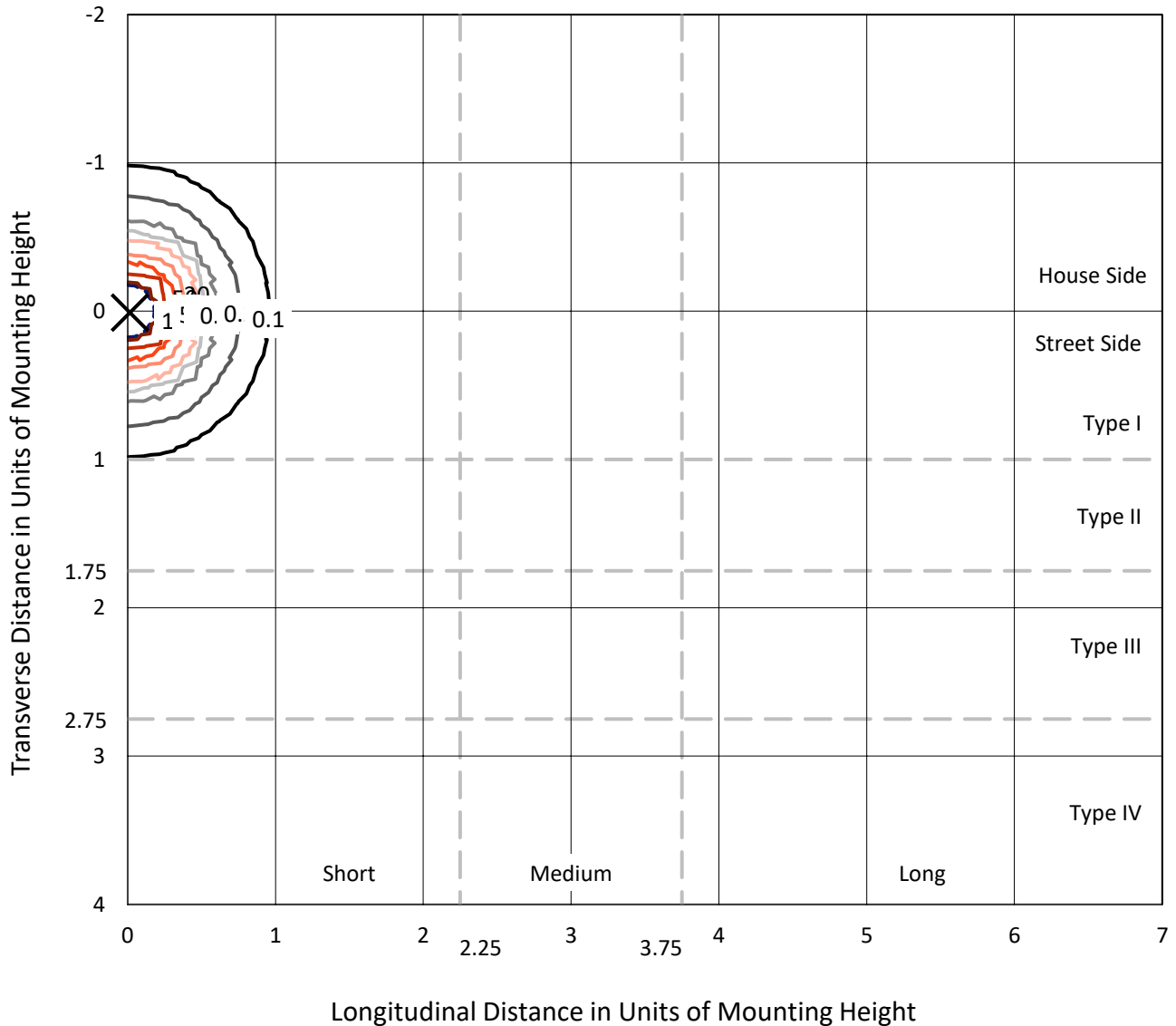
Input Watts (W): 82.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

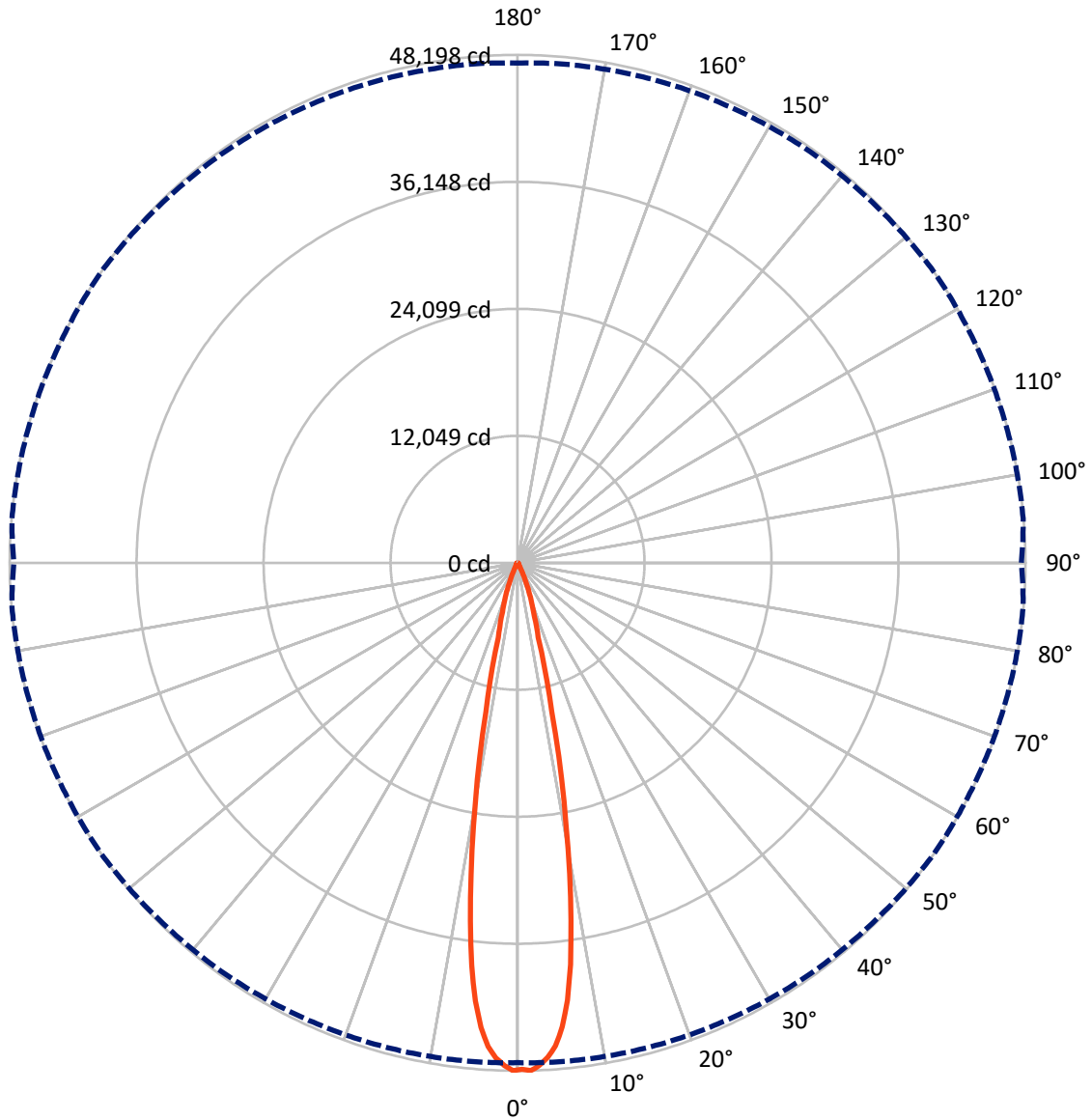
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 120.2 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	3496.5	0.0	3496.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3496.5	0.0	3496.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6992.9	0.0	6992.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3552.9	50.8
10°-20°	2518.0	36.0
20°-30°	590.0	8.4
30°-40°	123.3	1.8
40°-50°	79.6	1.1
50°-60°	58.9	0.8
60°-70°	40.1	0.6
70°-80°	21.4	0.3
80°-90°	8.7	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°	6992.9	100.0
0°-180°	6992.9	100.0

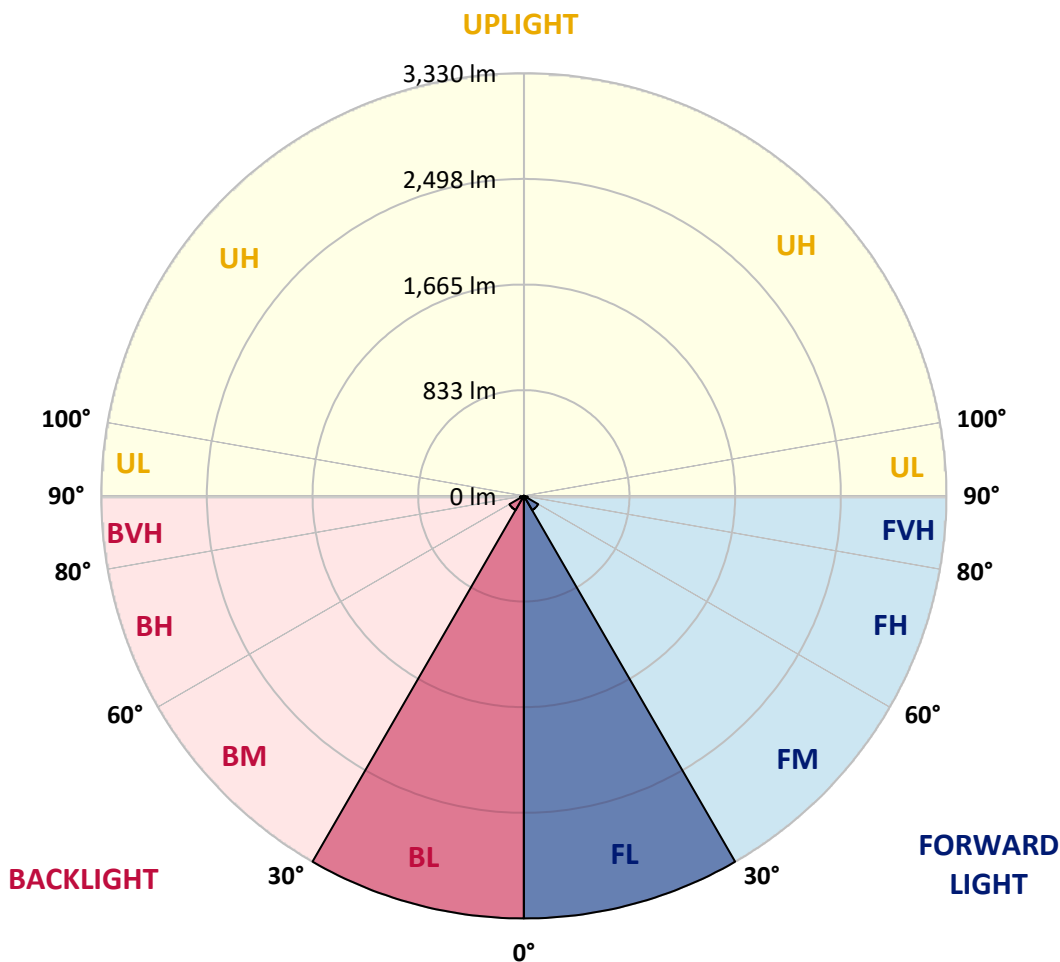


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3330.5	47.6			
FM (30°-60°)	130.9	1.9			
FH (60°-80°)	30.7	0.4			G0/660
FVH (80°-90°)	4.4	0.1			G0/10
BL (0°-30°)	3330.5	47.6	B4/5000		
BM (30°-60°)	130.9	1.9	B0/220		
BH (60°-80°)	30.7	0.4	B0/110		G0/660
BVH (80°-90°)	4.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	48073.9	48073.9	48073.9	48073.9	48073.9	48073.9	48073.9	48073.9	48073.9	48073.9
1°	47427.2	47515.0	47622.6	47720.3	47867.4	47987.4	48197.6	48153.1	48146.9	48155.6
2°	46508.3	46618.4	46784.1	46881.8	47261.4	47417.3	47735.1	47829.1	47753.6	47839.0
3°	45131.9	45222.1	45481.8	45673.5	46165.7	46586.2	47011.6	47152.6	47064.8	47104.4
4°	43493.2	43586.0	43900.1	44290.9	45002.0	45468.2	45977.8	46103.9	45817.0	45836.8
5°	41543.0	41586.3	41970.9	42327.0	43177.9	43743.0	44226.6	44266.2	44004.0	43903.8
6°	39349.1	39271.2	39624.9	39775.7	40833.1	41409.4	41763.1	41717.3	41518.2	41432.9
7°	36742.1	36635.8	36921.5	36839.8	37776.0	38105.0	38445.1	38289.2	38130.9	38327.6
8°	33725.8	33666.5	33482.2	33816.1	34001.6	34296.0	34294.7	34204.4	34199.5	34527.2
9°	29340.5	29888.4	29726.4	30076.4	30029.4	30015.8	29925.5	29867.4	29620.0	29997.2
10°	24524.8	24883.5	25156.8	25678.7	25577.3	25720.7	25218.6	25304.0	25139.5	25451.1
12.5°	12694.6	13097.8	13334.0	13732.2	14170.0	14617.7	14473.0	14323.4	14099.5	14374.1
15°	6249.0	6408.5	6484.0	6888.4	7200.0	7312.6	7329.9	7197.6	7140.7	7200.0
17.5°	3835.0	3890.6	4109.5	4574.5	4844.1	4910.9	4867.6	4722.9	4560.9	4492.9
20°	2776.4	2792.5	2875.3	2965.6	3325.5	3513.4	3444.2	3302.0	3152.3	3081.8
22.5°	1813.0	1829.1	1856.3	1905.7	2002.2	2234.7	2159.3	2062.8	1961.4	1940.4
25°	1026.5	1026.5	1054.9	1105.6	1177.3	1194.6	1209.5	1106.8	1059.8	1038.8
27.5°	572.6	576.3	582.5	602.3	638.1	634.4	618.3	591.1	559.0	525.6
30°	316.6	320.3	324.0	329.0	335.1	324.0	314.1	309.2	295.6	291.9
32.5°	237.4	237.4	239.9	238.7	232.5	218.9	212.7	220.1	218.9	212.7
35°	195.4	195.4	197.9	202.8	190.5	180.6	175.6	185.5	185.5	181.8
37.5°	159.5	160.8	162.0	168.2	164.5	153.3	152.1	154.6	155.8	154.6
40°	139.7	138.5	138.5	139.7	137.3	134.8	132.3	131.1	132.3	131.1
42.5°	121.2	120.0	122.4	120.0	115.0	116.2	116.2	112.5	113.8	111.3
45°	106.4	105.1	106.4	103.9	100.2	101.4	101.4	96.5	96.5	95.2
47.5°	94.0	94.0	94.0	95.2	89.0	87.8	89.0	87.8	84.1	82.9
50°	81.6	82.9	84.1	86.6	80.4	77.9	77.9	77.9	75.4	74.2
52.5°	75.4	76.7	76.7	76.7	73.0	70.5	70.5	69.3	68.0	66.8
55°	73.0	73.0	73.0	68.0	66.8	65.5	61.8	60.6	59.4	59.4
57.5°	69.3	69.3	68.0	64.3	60.6	60.6	55.7	54.4	53.2	53.2
60°	61.8	61.8	61.8	60.6	55.7	54.4	49.5	47.0	45.8	45.8
62.5°	56.9	56.9	56.9	51.9	50.7	47.0	43.3	39.6	38.3	35.9
65°	51.9	51.9	51.9	47.0	44.5	40.8	35.9	32.2	29.7	26.0
67.5°	48.2	48.2	47.0	43.3	39.6	34.6	29.7	26.0	21.0	18.6
70°	42.0	42.0	40.8	38.3	34.6	30.9	24.7	19.8	16.1	12.4
72.5°	35.9	35.9	34.6	32.2	29.7	26.0	21.0	17.3	11.1	8.7
75°	29.7	29.7	28.4	26.0	24.7	22.3	18.6	13.6	8.7	3.7
77.5°	24.7	24.7	23.5	22.3	21.0	18.6	16.1	11.1	6.2	2.5
80°	18.6	19.8	19.8	19.8	17.3	16.1	14.8	11.1	4.9	1.2
82.5°	13.6	14.8	14.8	14.8	13.6	12.4	13.6	9.9	4.9	1.2
85°	9.9	9.9	11.1	11.1	11.1	11.1	14.8	11.1	3.7	1.2
87.5°	4.9	4.9	4.9	4.9	4.9	6.2	7.4	6.2	2.5	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°
48073.9
47810.5
47515.0
46807.6
45542.4
43694.8
41241.2
38267.0
33618.2
29293.5
24652.2
13630.8
6923.0
4397.7
3027.4
1897.1
1021.5
526.8
291.9
209.0
180.6
154.6
132.3
112.5
95.2
82.9
73.0
65.5
58.1
53.2
44.5
33.4
26.0
17.3
12.4
7.4
3.7
1.2
1.2
1.2
1.2
0.0
0.0

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