

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: P636240

Luminaire Tested: **IFLD-L-SA8A-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636240
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23688.4 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

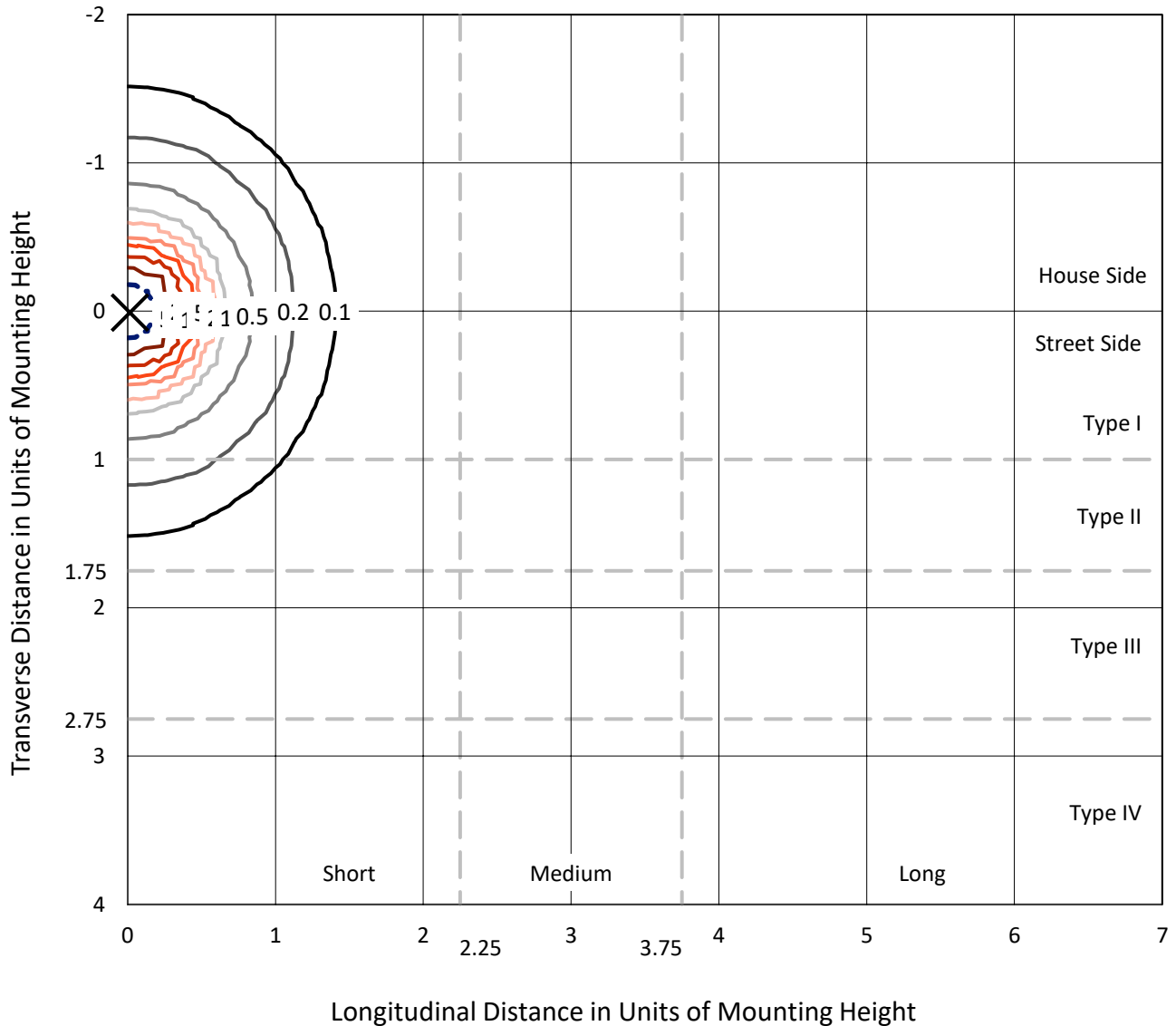
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

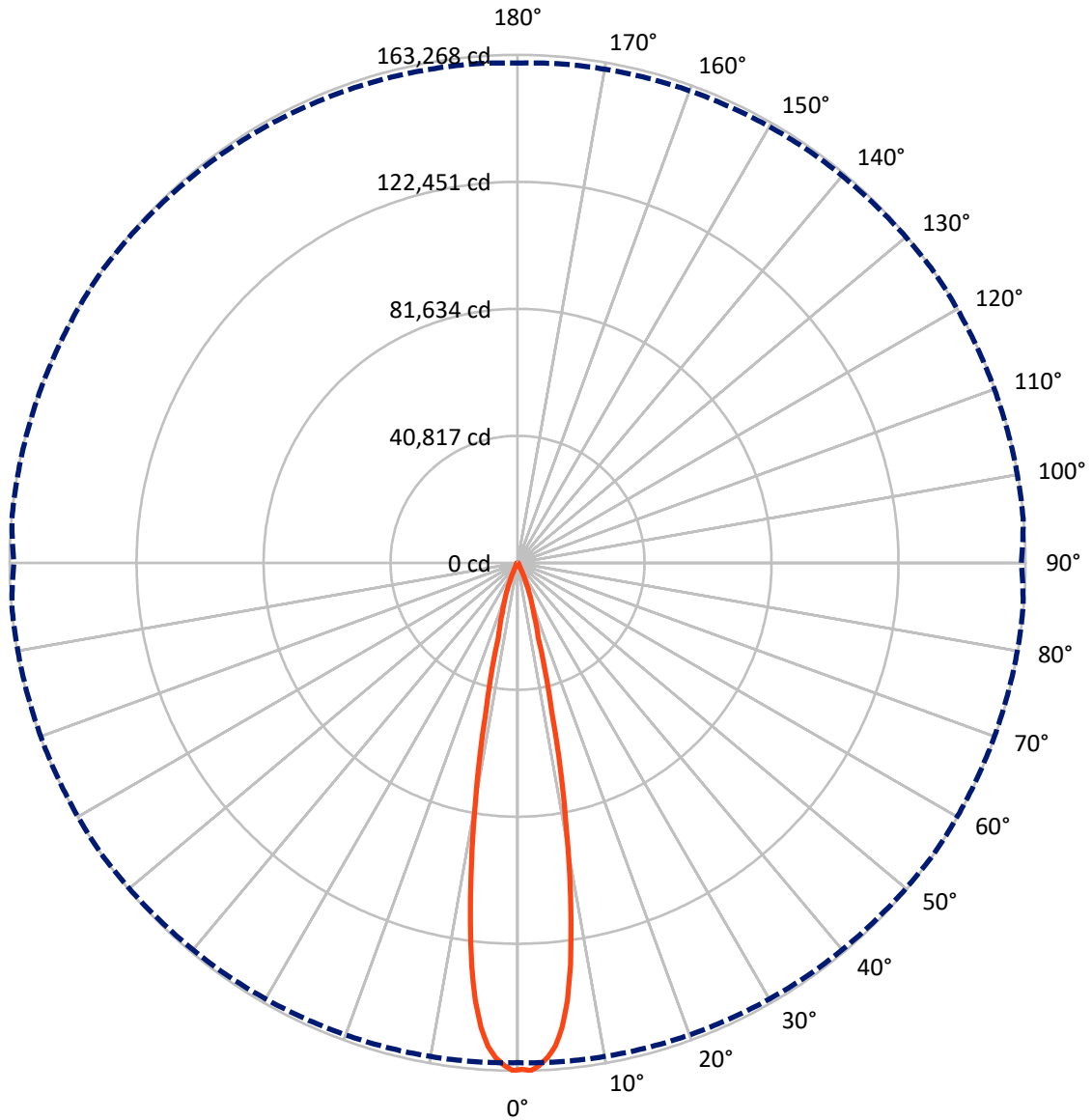
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 407.1 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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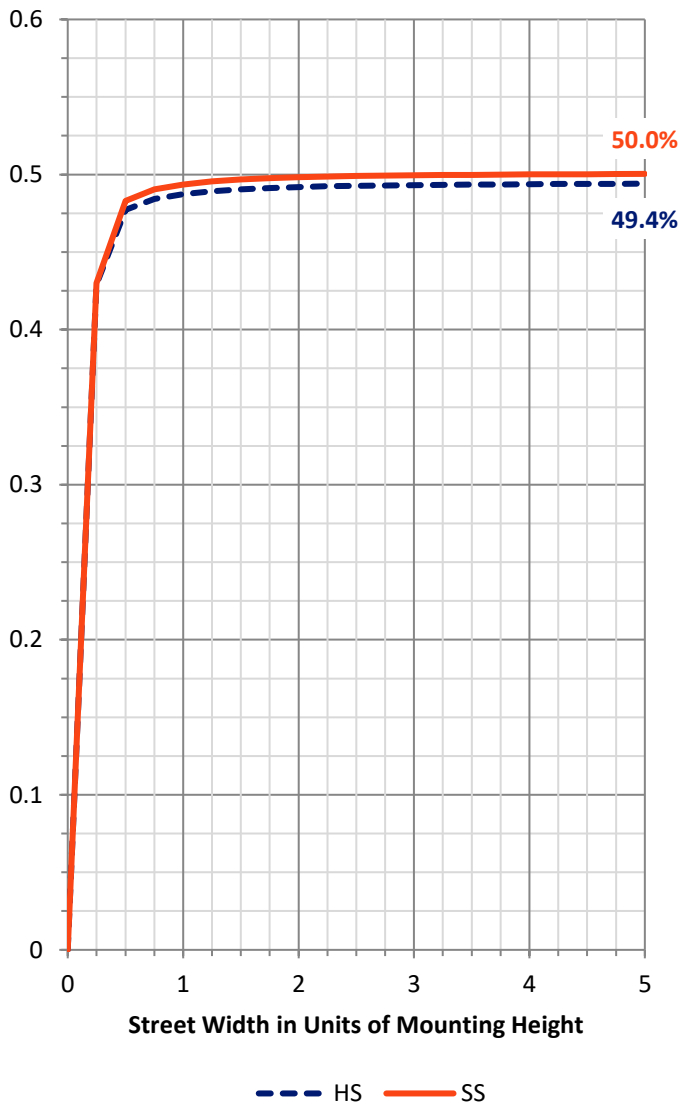
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11844.2	0.0	11844.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11844.2	0.0	11844.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	23688.4	0.0	23688.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12035.5	50.8
10°-20°	8529.7	36.0
20°-30°	1998.7	8.4
30°-40°	417.7	1.8
40°-50°	269.5	1.1
50°-60°	199.6	0.8
60°-70°	135.7	0.6
70°-80°	72.4	0.3
80°-90°	29.7	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°	23688.4	100.0
0°-180°	23688.4	100.0

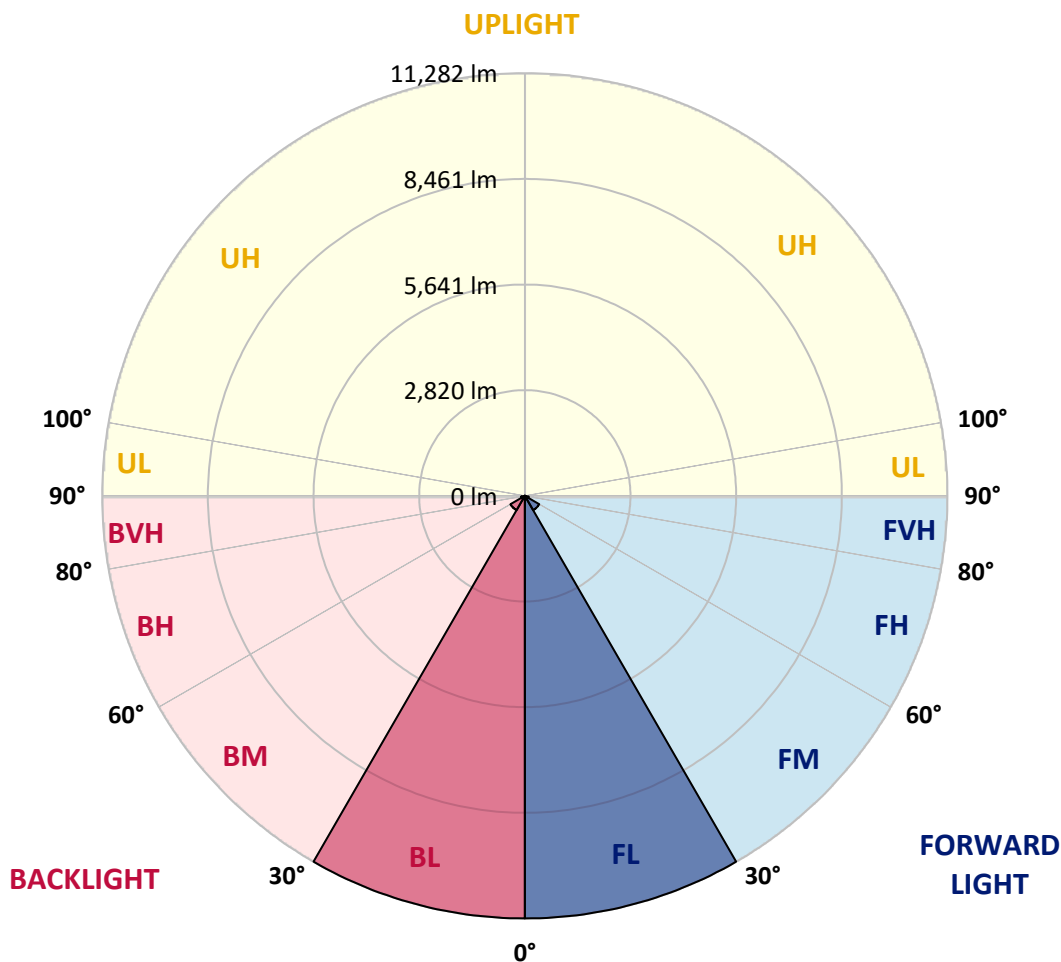


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11281.9	47.6			
FM (30°-60°)	443.4	1.9			
FH (60°-80°)	104.0	0.4			G0/660
FVH (80°-90°)	14.8	0.1			G1/100
BL (0°-30°)	11281.9	47.6	B5		
BM (30°-60°)	443.4	1.9	B1/1000		
BH (60°-80°)	104.0	0.4	B0/110		G0/660
BVH (80°-90°)	14.8	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°	162849.4	162849.4	162849.4	162849.4	162849.4	162849.4	162849.4	162849.4	162849.4	162849.4
1°	160658.4	160955.8	161320.3	161651.3	162149.8	162556.1	163268.3	163117.5	163096.6	163125.9
2°	157545.8	157918.6	158480.0	158810.9	160097.0	160624.9	161701.5	162019.9	161764.4	162053.4
3°	152883.1	153188.9	154068.7	154718.0	156385.4	157809.7	159250.8	159728.4	159430.9	159565.0
4°	147332.3	147646.5	148710.6	150034.4	152443.3	154022.6	155748.6	156175.9	155204.0	155271.0
5°	140725.9	140872.5	142175.4	143381.9	146264.1	148178.6	149816.6	149950.6	149062.5	148723.2
6°	133294.1	133030.2	134228.3	134739.4	138321.2	140273.4	141471.6	141316.6	140642.1	140353.0
7°	124463.1	124102.9	125070.6	124794.1	127965.4	129079.7	130231.8	129703.9	129167.7	129833.8
8°	114245.5	114044.4	113420.2	114551.3	115179.7	116176.8	116172.6	115866.8	115850.0	116960.2
9°	99390.4	101246.2	100697.4	101883.0	101723.8	101677.7	101371.9	101175.0	100337.1	101614.9
10°	83077.4	84292.2	85218.1	86985.9	86642.4	87128.4	85427.5	85716.6	85159.4	86215.1
12.5°	43002.8	44368.5	45168.7	46517.6	48000.6	49517.1	49027.0	48520.1	47761.8	48691.9
15°	21168.4	21708.8	21964.3	23334.2	24389.9	24771.1	24829.8	24381.5	24188.8	24389.9
17.5°	12990.9	13179.4	13920.9	15496.1	16409.4	16635.6	16489.0	15998.8	15450.0	15219.6
20°	9404.9	9459.4	9740.0	10045.9	11264.9	11901.7	11667.1	11185.3	10678.4	10439.7
22.5°	6141.5	6195.9	6288.1	6455.7	6782.4	7570.0	7314.5	6987.7	6644.2	6573.0
25°	3477.1	3477.1	3573.4	3745.2	3988.2	4046.8	4097.1	3749.4	3590.2	3519.0
27.5°	1939.6	1952.2	1973.1	2040.2	2161.7	2149.1	2094.6	2002.5	1893.5	1780.4
30°	1072.5	1085.0	1097.6	1114.3	1135.3	1097.6	1064.1	1047.3	1001.2	988.7
32.5°	804.3	804.3	812.7	808.5	787.6	741.5	720.6	745.7	741.5	720.6
35°	661.9	661.9	670.3	687.0	645.1	611.6	594.9	628.4	628.4	615.8
37.5°	540.4	544.6	548.8	569.7	557.2	519.5	515.3	523.7	527.8	523.7
40°	473.4	469.2	469.2	473.4	465.0	456.6	448.3	444.1	448.3	444.1
42.5°	410.5	406.4	414.7	406.4	389.6	393.8	393.8	381.2	385.4	377.0
45°	360.3	356.1	360.3	351.9	339.3	343.5	343.5	326.8	326.8	322.6
47.5°	318.4	318.4	318.4	322.6	301.6	297.4	301.6	297.4	284.9	280.7
50°	276.5	280.7	284.9	293.2	272.3	263.9	263.9	263.9	255.5	251.4
52.5°	255.5	259.7	259.7	259.7	247.2	238.8	238.8	234.6	230.4	226.2
55°	247.2	247.2	247.2	230.4	226.2	222.0	209.5	205.3	201.1	201.1
57.5°	234.6	234.6	230.4	217.8	205.3	205.3	188.5	184.3	180.1	180.1
60°	209.5	209.5	209.5	205.3	188.5	184.3	167.6	159.2	155.0	155.0
62.5°	192.7	192.7	192.7	175.9	171.8	159.2	146.6	134.1	129.9	121.5
65°	175.9	175.9	175.9	159.2	150.8	138.2	121.5	108.9	100.5	88.0
67.5°	163.4	163.4	159.2	146.6	134.1	117.3	100.5	88.0	71.2	62.8
70°	142.4	142.4	138.2	129.9	117.3	104.7	83.8	67.0	54.5	41.9
72.5°	121.5	121.5	117.3	108.9	100.5	88.0	71.2	58.6	37.7	29.3
75°	100.5	100.5	96.4	88.0	83.8	75.4	62.8	46.1	29.3	12.6
77.5°	83.8	83.8	79.6	75.4	71.2	62.8	54.5	37.7	20.9	8.4
80°	62.8	67.0	67.0	67.0	58.6	54.5	50.3	37.7	16.8	4.2
82.5°	46.1	50.3	50.3	50.3	46.1	41.9	46.1	33.5	16.8	4.2
85°	33.5	33.5	37.7	37.7	37.7	37.7	50.3	37.7	12.6	4.2
87.5°	16.8	16.8	16.8	16.8	16.8	20.9	25.1	20.9	8.4	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°
162849.4
161957.1
160955.8
158559.6
154274.0
148015.2
139703.7
129628.5
113881.0
99231.2
83508.9
46174.1
23451.5
14897.0
10255.3
6426.3
3460.3
1784.6
988.7
708.0
611.6
523.7
448.3
381.2
322.6
280.7
247.2
222.0
196.9
180.1
150.8
113.1
88.0
58.6
41.9
25.1
12.6
4.2
4.2
4.2
4.2
0.0
0.0

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