

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: P636153

Luminaire Tested: **IFLD-L-SA8A-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636153
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-927-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20754.4 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

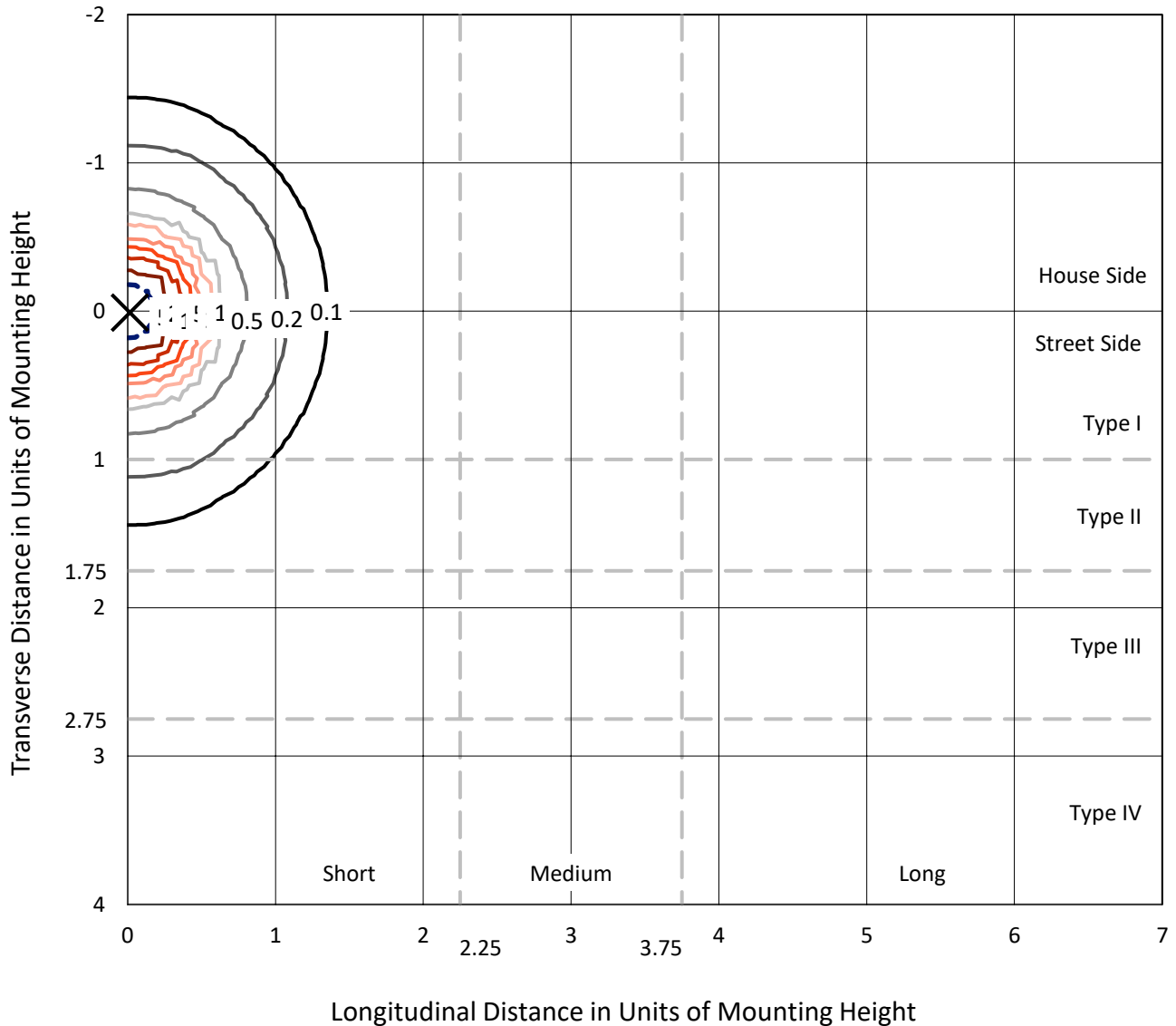
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

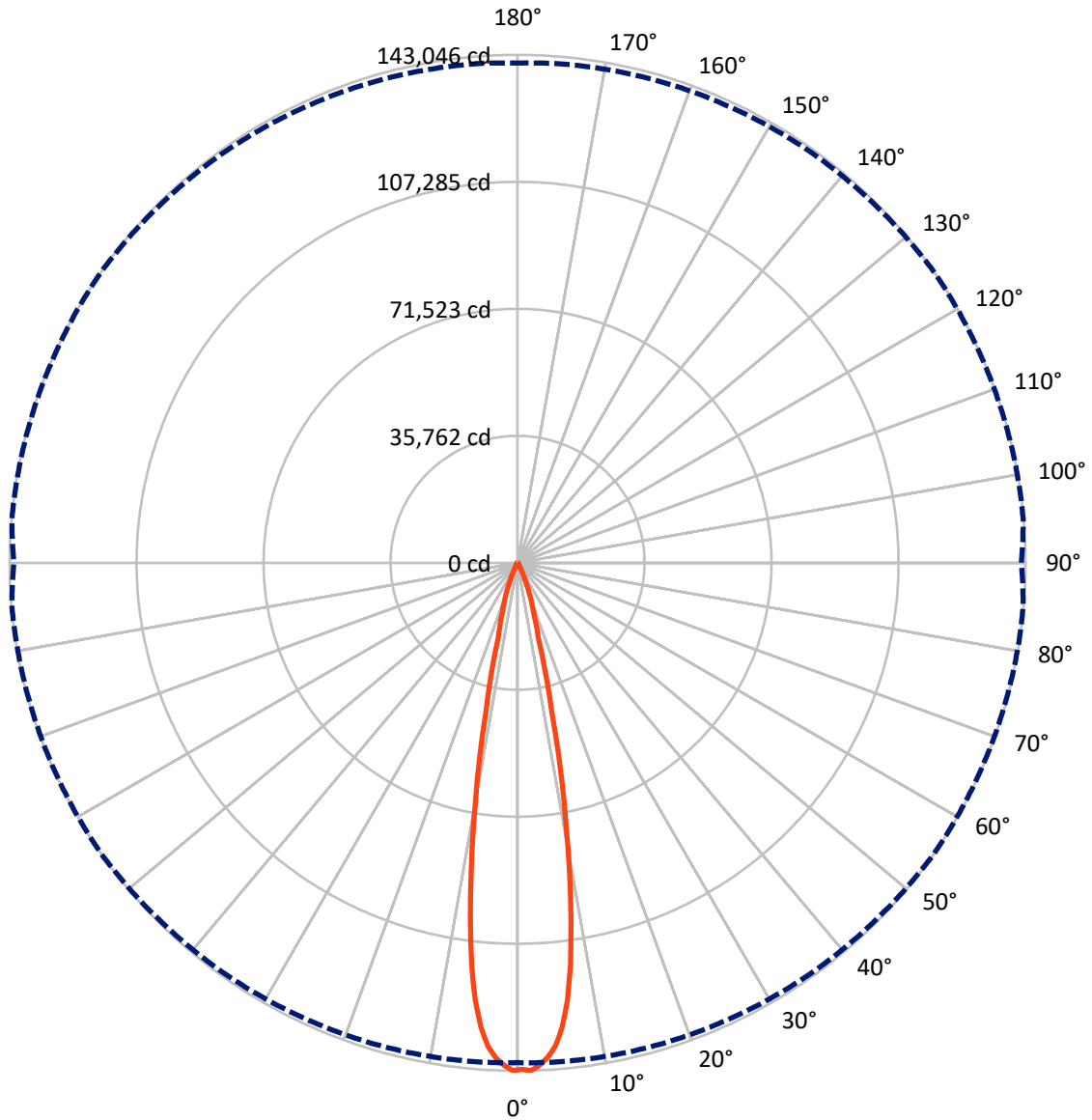
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 356.7 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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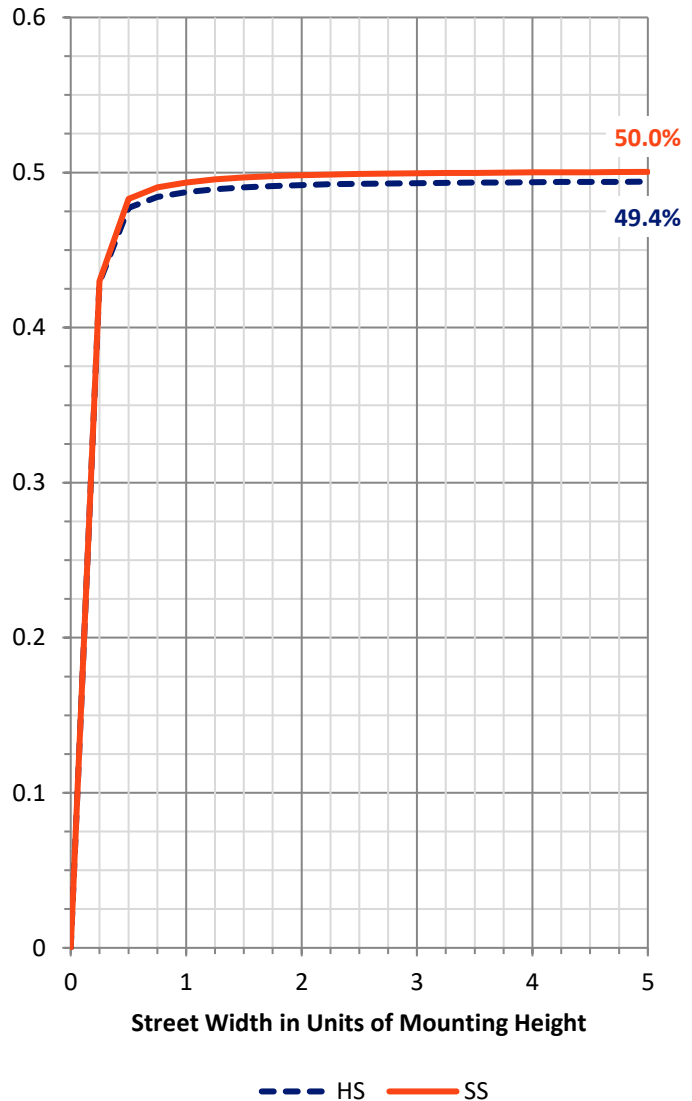
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10377.2	0.0	10377.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10377.2	0.0	10377.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	20754.4	0.0	20754.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10544.8	50.8
10°-20°	7473.2	36.0
20°-30°	1751.1	8.4
30°-40°	366.0	1.8
40°-50°	236.1	1.1
50°-60°	174.9	0.8
60°-70°	118.9	0.6
70°-80°	63.4	0.3
80°-90°	26.0	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°	20754.4	100.0
0°-180°	20754.4	100.0

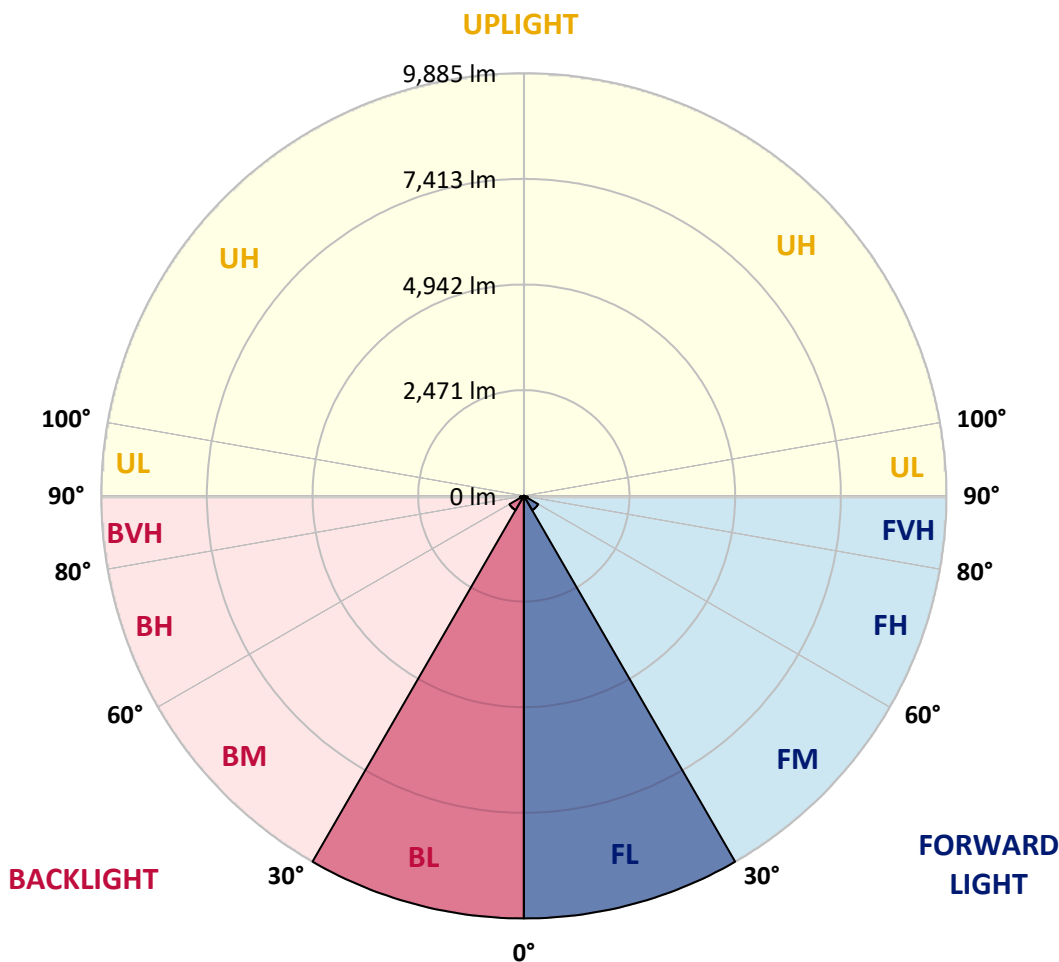


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9884.6	47.6			
FM (30°-60°)	388.5	1.9			
FH (60°-80°)	91.2	0.4			G0/660
FVH (80°-90°)	13.0	0.1			G1/100
BL (0°-30°)	9884.6	47.6	B5		
BM (30°-60°)	388.5	1.9	B1/1000		
BH (60°-80°)	91.2	0.4	B0/110		G0/660
BVH (80°-90°)	13.0	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°	142679.1	142679.1	142679.1	142679.1	142679.1	142679.1	142679.1	142679.1	142679.1	142679.1
1°	140759.5	141020.1	141339.5	141629.4	142066.2	142422.2	143046.2	142914.0	142895.7	142921.4
2°	138032.4	138359.1	138850.9	139140.9	140267.7	140730.2	141673.5	141952.4	141728.5	141981.8
3°	133947.3	134215.2	134986.0	135554.9	137015.7	138263.7	139526.3	139944.7	139684.1	139801.6
4°	129084.0	129359.3	130291.6	131451.4	133561.9	134945.6	136457.8	136832.2	135980.7	136039.4
5°	123295.8	123424.3	124565.8	125622.8	128148.1	129825.4	131260.6	131378.0	130599.9	130302.6
6°	116784.5	116553.3	117603.0	118050.8	121189.0	122899.4	123949.1	123813.3	123222.4	122969.1
7°	109047.3	108731.7	109579.6	109337.3	112115.8	113092.1	114101.5	113639.0	113169.2	113752.8
8°	100095.3	99919.1	99372.2	100363.2	100913.8	101787.3	101783.6	101515.7	101501.0	102473.7
9°	87080.0	88706.0	88225.2	89263.9	89124.5	89084.1	88816.1	88643.6	87909.6	89029.0
10°	72787.5	73852.0	74663.1	76212.0	75911.0	76336.8	74846.6	75099.9	74611.7	75536.7
12.5°	37676.6	38873.1	39574.2	40756.0	42055.4	43384.0	42954.6	42510.5	41846.1	42661.0
15°	18546.5	19020.0	19243.9	20444.1	21369.0	21703.0	21754.4	21361.7	21192.8	21369.0
17.5°	11381.9	11547.1	12196.7	13576.8	14376.9	14575.1	14446.7	14017.2	13536.4	13334.5
20°	8240.0	8287.7	8533.7	8801.6	9869.7	10427.6	10222.0	9799.9	9355.8	9146.6
22.5°	5380.8	5428.5	5509.3	5656.1	5942.4	6632.4	6408.5	6122.2	5821.2	5758.8
25°	3046.4	3046.4	3130.8	3281.3	3494.2	3545.6	3589.6	3285.0	3145.5	3083.1
27.5°	1699.4	1710.4	1728.8	1787.5	1893.9	1882.9	1835.2	1754.4	1659.0	1559.9
30°	939.6	950.6	961.6	976.3	994.7	961.6	932.3	917.6	877.2	866.2
32.5°	704.7	704.7	712.1	708.4	690.0	649.7	631.3	653.3	649.7	631.3
35°	579.9	579.9	587.3	601.9	565.2	535.9	521.2	550.6	550.6	539.5
37.5°	473.5	477.2	480.8	499.2	488.2	455.1	451.5	458.8	462.5	458.8
40°	414.8	411.1	411.1	414.8	407.4	400.1	392.7	389.1	392.7	389.1
42.5°	359.7	356.0	363.4	356.0	341.3	345.0	345.0	334.0	337.7	330.3
45°	315.7	312.0	315.7	308.3	297.3	301.0	301.0	286.3	286.3	282.6
47.5°	278.9	278.9	278.9	282.6	264.3	260.6	264.3	260.6	249.6	245.9
50°	242.2	245.9	249.6	256.9	238.6	231.2	231.2	231.2	223.9	220.2
52.5°	223.9	227.6	227.6	227.6	216.6	209.2	209.2	205.5	201.9	198.2
55°	216.6	216.6	216.6	201.9	198.2	194.5	183.5	179.8	176.2	176.2
57.5°	205.5	205.5	201.9	190.9	179.8	179.8	165.2	161.5	157.8	157.8
60°	183.5	183.5	183.5	179.8	165.2	161.5	146.8	139.5	135.8	135.8
62.5°	168.8	168.8	168.8	154.2	150.5	139.5	128.5	117.5	113.8	106.4
65°	154.2	154.2	154.2	139.5	132.1	121.1	106.4	95.4	88.1	77.1
67.5°	143.1	143.1	139.5	128.5	117.5	102.8	88.1	77.1	62.4	55.1
70°	124.8	124.8	121.1	113.8	102.8	91.8	73.4	58.7	47.7	36.7
72.5°	106.4	106.4	102.8	95.4	88.1	77.1	62.4	51.4	33.0	25.7
75°	88.1	88.1	84.4	77.1	73.4	66.1	55.1	40.4	25.7	11.0
77.5°	73.4	73.4	69.7	66.1	62.4	55.1	47.7	33.0	18.4	7.3
80°	55.1	58.7	58.7	58.7	51.4	47.7	44.0	33.0	14.7	3.7
82.5°	40.4	44.0	44.0	44.0	40.4	36.7	40.4	29.4	14.7	3.7
85°	29.4	29.4	33.0	33.0	33.0	33.0	44.0	33.0	11.0	3.7
87.5°	14.7	14.7	14.7	14.7	14.7	18.4	22.0	18.4	7.3	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°
142679.1
141897.4
141020.1
138920.7
135165.9
129682.3
122400.2
113572.9
99775.9
86940.6
73165.6
40455.1
20546.9
13051.9
8985.1
5630.4
3031.7
1563.6
866.2
620.3
535.9
458.8
392.7
334.0
282.6
245.9
216.6
194.5
172.5
157.8
132.1
99.1
77.1
51.4
36.7
22.0
11.0
3.7
3.7
3.7
3.7
0.0
0.0

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