

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: P636211

Luminaire Tested: **IFLD-L-SA8A-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636211
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-935-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21767.4 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

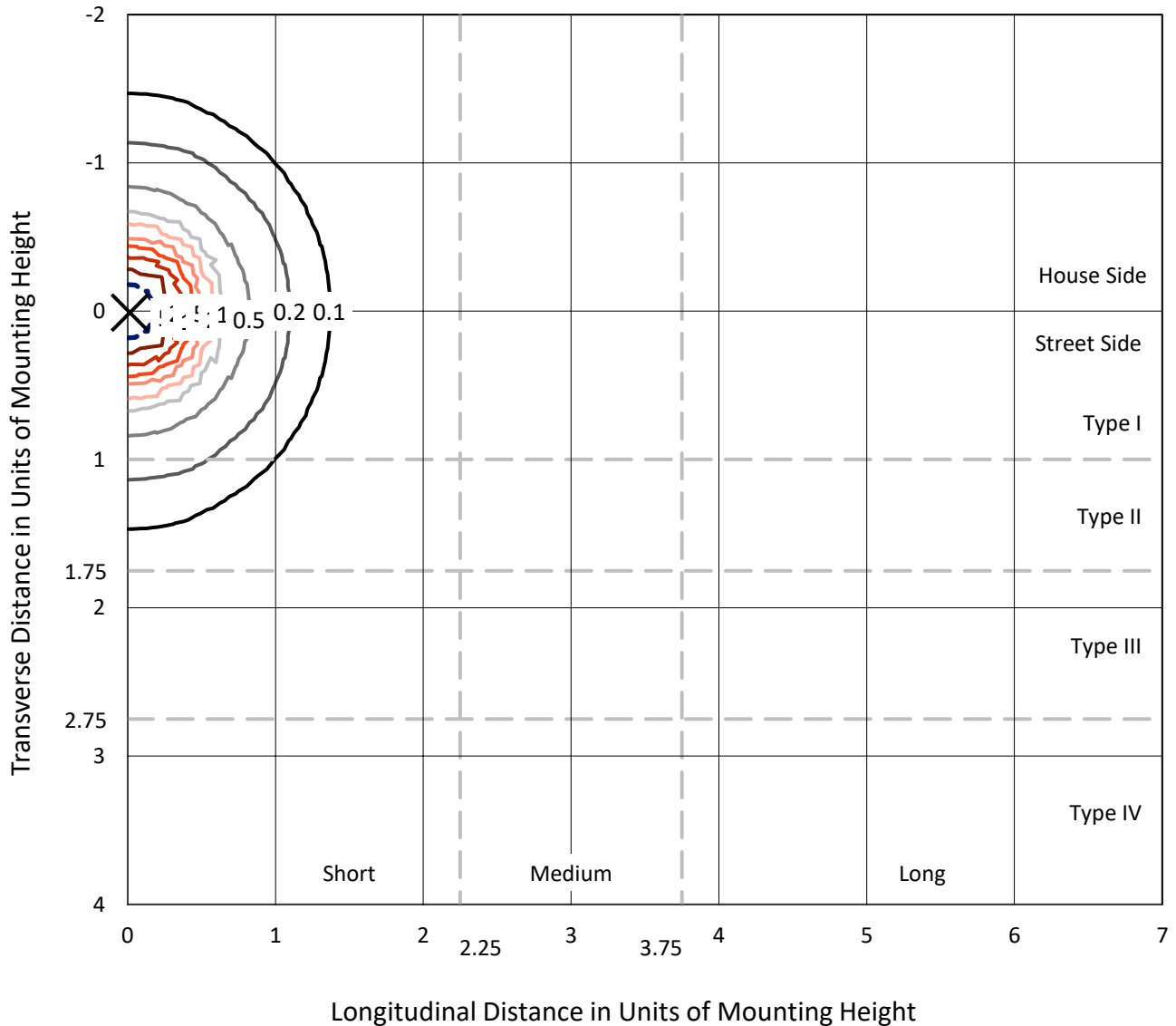
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

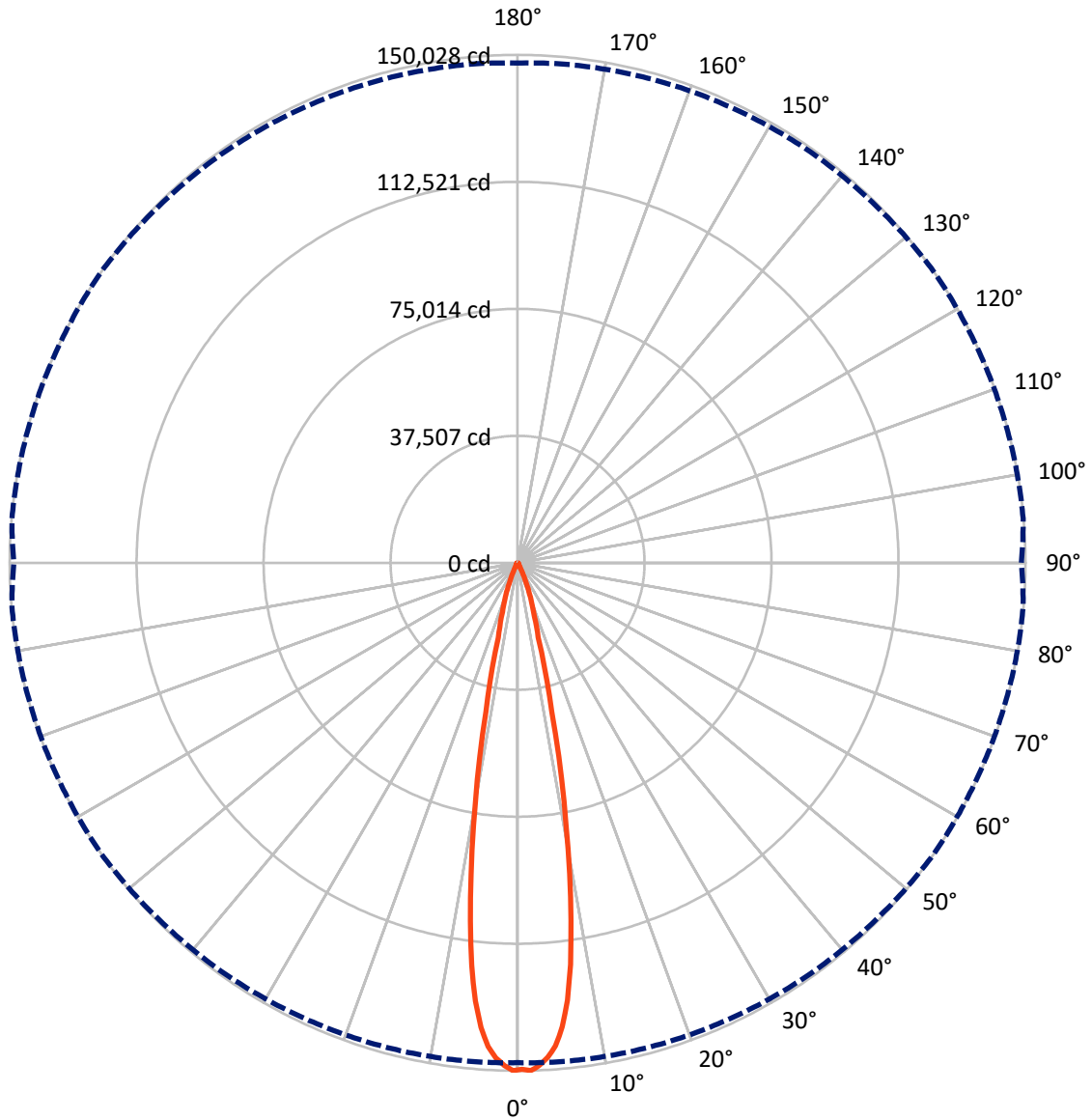
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 374.1 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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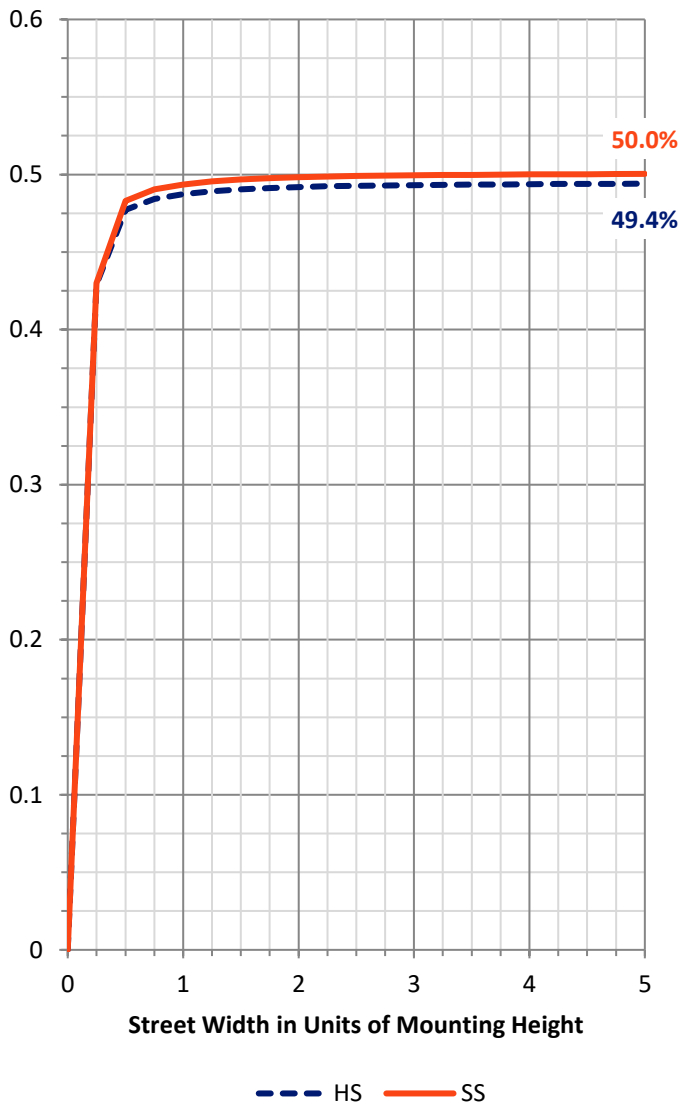
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10883.7	0.0	10883.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10883.7	0.0	10883.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	21767.4	0.0	21767.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11059.5	50.8
10°-20°	7838.0	36.0
20°-30°	1836.6	8.4
30°-40°	383.9	1.8
40°-50°	247.6	1.1
50°-60°	183.4	0.8
60°-70°	124.7	0.6
70°-80°	66.5	0.3
80°-90°	27.2	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°	21767.4	100.0
0°-180°	21767.4	100.0

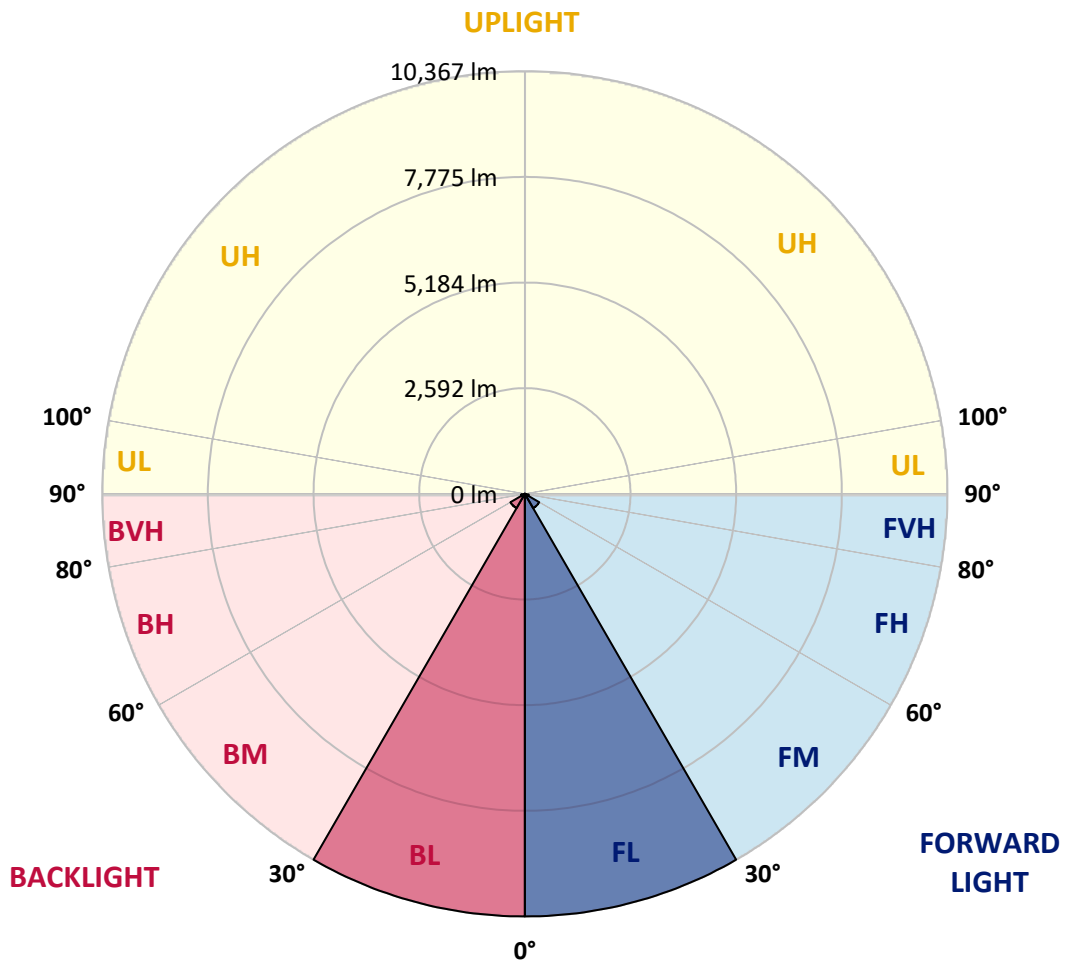


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10367.0	47.6			
FM (30°-60°)	407.5	1.9			
FH (60°-80°)	95.6	0.4			G0/660
FVH (80°-90°)	13.6	0.1			G1/100
BL (0°-30°)	10367.0	47.6	B5		
BM (30°-60°)	407.5	1.9	B1/1000		
BH (60°-80°)	95.6	0.4	B0/110		G0/660
BVH (80°-90°)	13.6	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°	149643.0	149643.0	149643.0	149643.0	149643.0	149643.0	149643.0	149643.0	149643.0	149643.0
1°	147629.6	147903.0	148237.9	148542.0	149000.1	149373.5	150027.9	149889.3	149870.1	149897.0
2°	144769.4	145112.0	145627.9	145932.0	147113.8	147598.8	148588.2	148880.7	148645.9	148911.5
3°	140484.9	140765.9	141574.3	142171.0	143703.1	145012.0	146336.2	146775.0	146501.7	146624.9
4°	135384.3	135673.0	136650.8	137867.2	140080.7	141532.0	143118.0	143510.6	142617.6	142679.1
5°	129313.6	129448.3	130645.5	131754.2	134402.6	136161.9	137667.0	137790.2	136974.1	136662.3
6°	122484.5	122242.0	123342.9	123812.6	127103.9	128897.8	129998.8	129856.3	129236.6	128971.0
7°	114369.7	114038.6	114927.8	114673.8	117587.9	118611.9	119670.5	119185.4	118692.7	119304.8
8°	104980.7	104795.9	104222.3	105261.7	105839.1	106755.3	106751.4	106470.4	106455.0	107475.2
9°	91330.2	93035.5	92531.3	93620.7	93474.4	93432.0	93151.0	92970.1	92200.2	93374.3
10°	76340.1	77456.5	78307.2	79931.7	79616.1	80062.6	78499.7	78765.3	78253.3	79223.4
12.5°	39515.5	40770.4	41505.7	42745.2	44108.0	45501.5	45051.1	44585.3	43888.5	44743.1
15°	19451.7	19948.3	20183.1	21441.9	22412.0	22762.3	22816.2	22404.3	22227.2	22412.0
17.5°	11937.4	12110.6	12792.0	14239.4	15078.6	15286.5	15151.8	14701.4	14197.1	13985.4
20°	8642.2	8692.2	8950.2	9231.2	10351.4	10936.5	10721.0	10278.3	9812.5	9593.0
22.5°	5643.4	5693.5	5778.2	5932.1	6232.4	6956.1	6721.3	6421.0	6105.4	6039.9
25°	3195.1	3195.1	3283.7	3441.5	3664.8	3718.7	3764.8	3445.3	3299.1	3233.6
27.5°	1782.3	1793.9	1813.1	1874.7	1986.4	1974.8	1924.8	1840.1	1740.0	1636.1
30°	985.5	997.0	1008.6	1024.0	1043.2	1008.6	977.8	962.4	920.0	908.5
32.5°	739.1	739.1	746.8	743.0	723.7	681.4	662.1	685.2	681.4	662.1
35°	608.2	608.2	615.9	631.3	592.8	562.0	546.6	577.4	577.4	565.9
37.5°	496.6	500.4	504.3	523.5	512.0	477.3	473.5	481.2	485.0	481.2
40°	435.0	431.1	431.1	435.0	427.3	419.6	411.9	408.1	411.9	408.1
42.5°	377.3	373.4	381.1	373.4	358.0	361.9	361.9	350.3	354.2	346.5
45°	331.1	327.2	331.1	323.4	311.8	315.7	315.7	300.3	300.3	296.4
47.5°	292.6	292.6	292.6	296.4	277.2	273.3	277.2	273.3	261.8	257.9
50°	254.1	257.9	261.8	269.5	250.2	242.5	242.5	242.5	234.8	231.0
52.5°	234.8	238.7	238.7	238.7	227.1	219.4	219.4	215.6	211.7	207.9
55°	227.1	227.1	227.1	211.7	207.9	204.0	192.5	188.6	184.8	184.8
57.5°	215.6	215.6	211.7	200.2	188.6	188.6	173.2	169.4	165.5	165.5
60°	192.5	192.5	192.5	188.6	173.2	169.4	154.0	146.3	142.4	142.4
62.5°	177.1	177.1	177.1	161.7	157.8	146.3	134.7	123.2	119.3	111.6
65°	161.7	161.7	161.7	146.3	138.6	127.0	111.6	100.1	92.4	80.8
67.5°	150.1	150.1	146.3	134.7	123.2	107.8	92.4	80.8	65.4	57.7
70°	130.9	130.9	127.0	119.3	107.8	96.2	77.0	61.6	50.0	38.5
72.5°	111.6	111.6	107.8	100.1	92.4	80.8	65.4	53.9	34.6	26.9
75°	92.4	92.4	88.5	80.8	77.0	69.3	57.7	42.3	26.9	11.5
77.5°	77.0	77.0	73.1	69.3	65.4	57.7	50.0	34.6	19.2	7.7
80°	57.7	61.6	61.6	61.6	53.9	50.0	46.2	34.6	15.4	3.8
82.5°	42.3	46.2	46.2	46.2	42.3	38.5	42.3	30.8	15.4	3.8
85°	30.8	30.8	34.6	34.6	34.6	34.6	46.2	34.6	11.5	3.8
87.5°	15.4	15.4	15.4	15.4	15.4	19.2	23.1	19.2	7.7	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°
149643.0
148823.0
147903.0
145701.0
141763.0
136011.7
128374.3
119116.1
104645.7
91183.9
76736.6
42429.6
21549.7
13688.9
9423.7
5905.2
3179.7
1639.9
908.5
650.6
562.0
481.2
411.9
350.3
296.4
257.9
227.1
204.0
180.9
165.5
138.6
103.9
80.8
53.9
38.5
23.1
11.5
3.8
3.8
3.8
3.8
0.0
0.0

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