

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: P636212

Luminaire Tested: **IFLD-L-SA8B-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636212
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-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: 25861.1 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

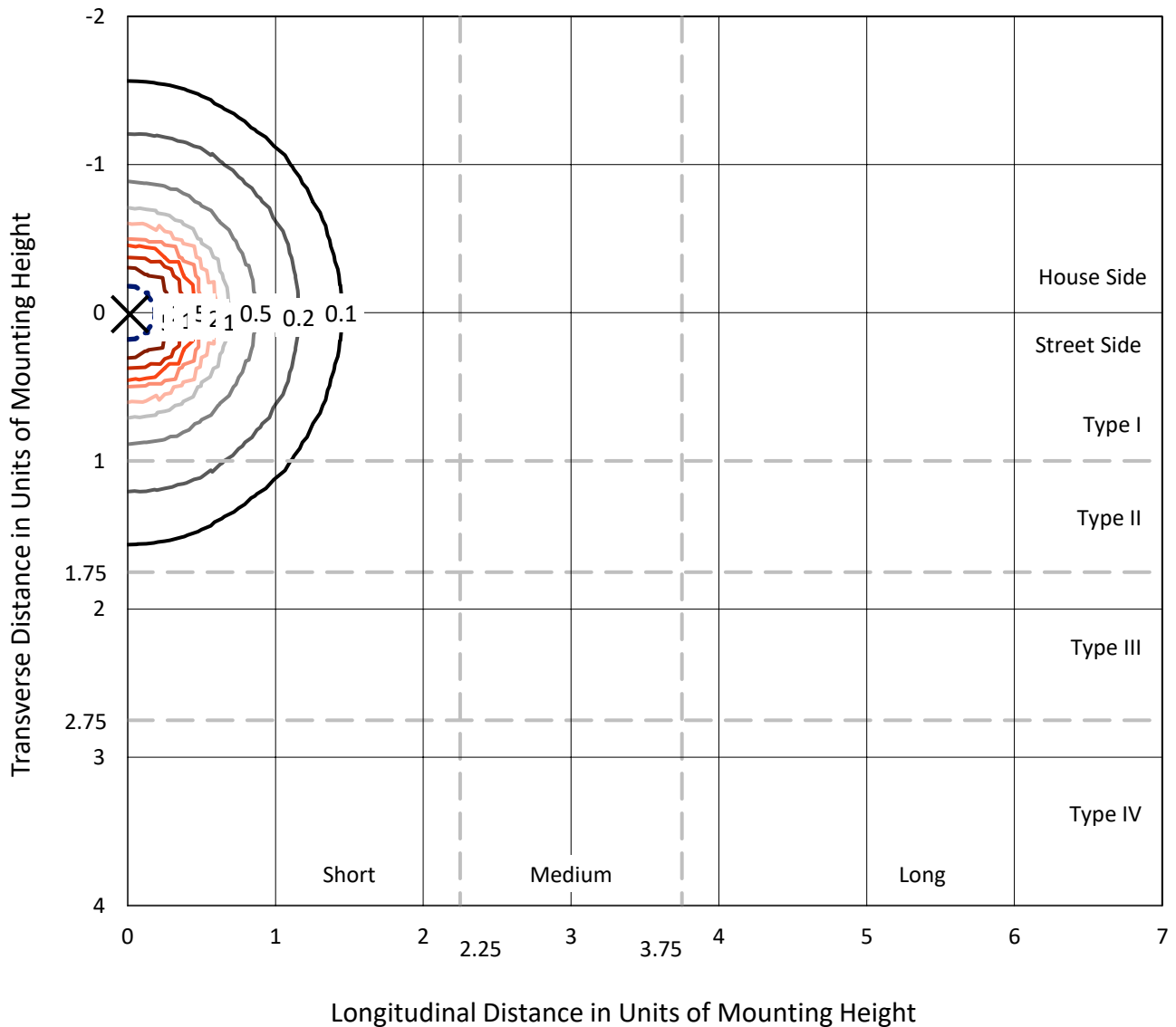
Input Watts (W): 320
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

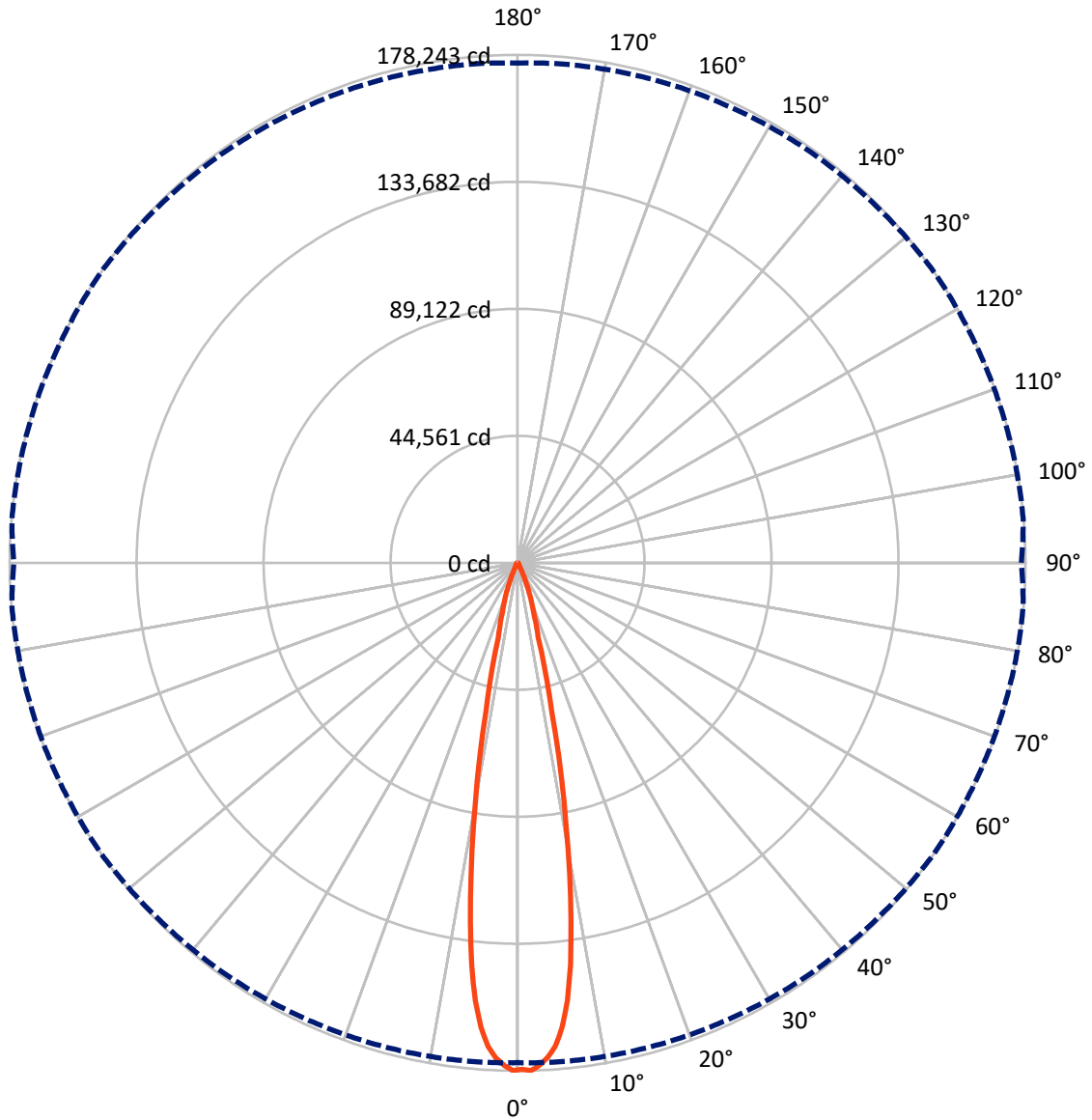
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 444.5 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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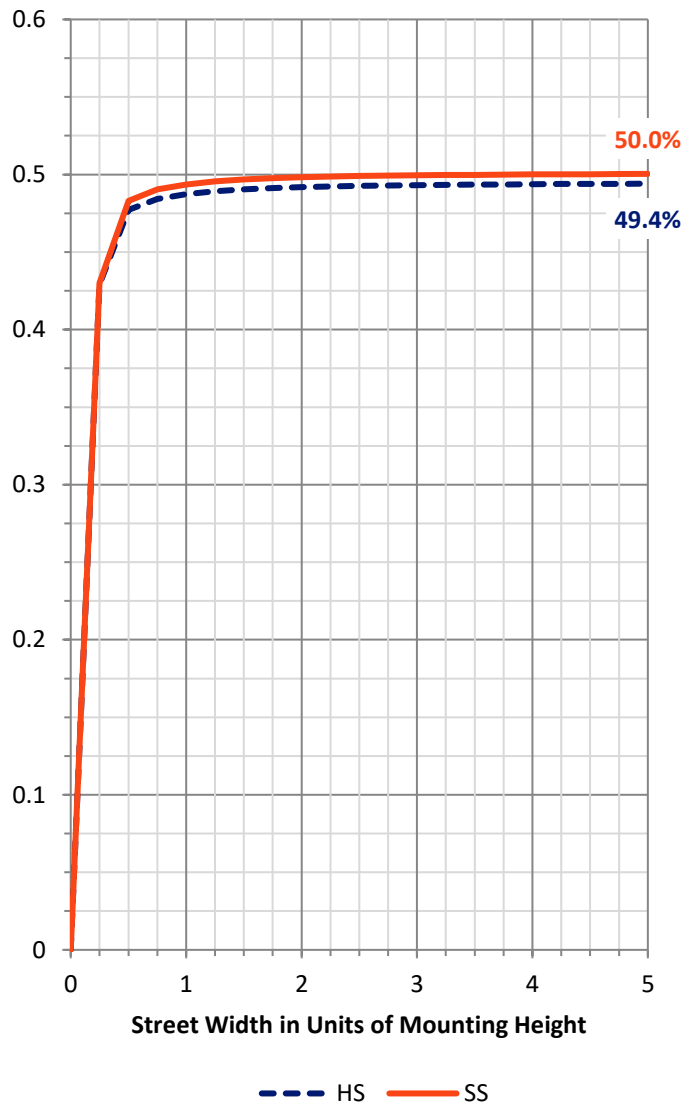
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12930.6	0.0	12930.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12930.6	0.0	12930.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	25861.1	0.0	25861.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13139.4	50.8
10°-20°	9312.0	36.0
20°-30°	2182.0	8.4
30°-40°	456.0	1.8
40°-50°	294.2	1.1
50°-60°	217.9	0.8
60°-70°	148.1	0.6
70°-80°	79.1	0.3
80°-90°	32.4	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°	25861.1	100.0
0°-180°	25861.1	100.0

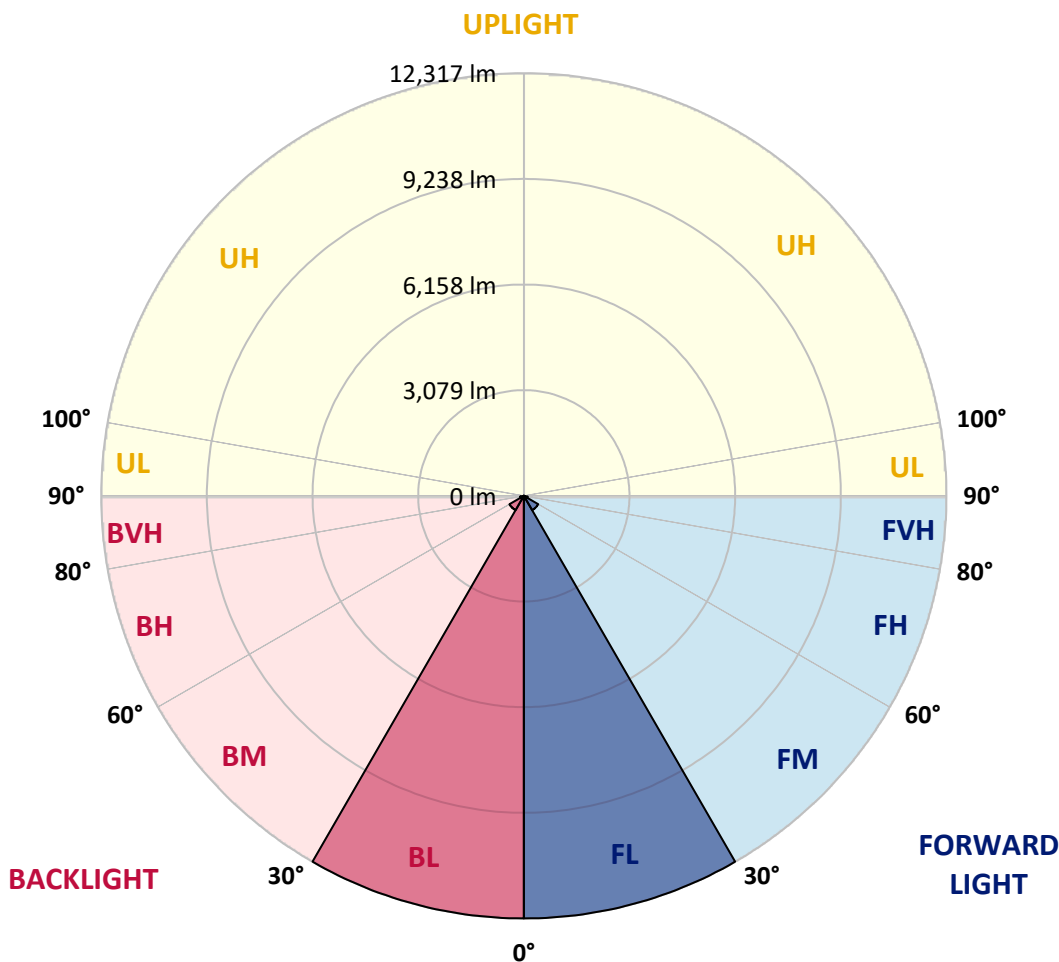


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12316.7	47.6			
FM (30°-60°)	484.1	1.9			
FH (60°-80°)	113.6	0.4			G0/660
FVH (80°-90°)	16.2	0.1			G1/100
BL (0°-30°)	12316.7	47.6	B5		
BM (30°-60°)	484.1	1.9	B1/1000		
BH (60°-80°)	113.6	0.4	B1/500		G0/660
BVH (80°-90°)	16.2	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°	177785.8	177785.8	177785.8	177785.8	177785.8	177785.8	177785.8	177785.8	177785.8	177785.8
1°	175393.8	175718.5	176116.4	176477.7	177022.0	177465.6	178243.1	178078.5	178055.6	178087.6
2°	171995.7	172402.7	173015.6	173376.9	174781.0	175357.2	176532.6	176880.2	176601.2	176916.8
3°	166905.4	167239.3	168199.7	168908.6	170728.8	172283.8	173857.1	174378.5	174053.8	174200.1
4°	160845.5	161188.5	162350.2	163795.4	166425.2	168149.4	170033.7	170500.2	169439.1	169512.3
5°	153633.1	153793.2	155215.5	156532.7	159679.3	161769.3	163557.6	163703.9	162734.4	162363.9
6°	145519.7	145231.6	146539.6	147097.6	151007.9	153139.1	154447.2	154278.0	153541.6	153226.0
7°	135878.8	135485.4	136541.9	136240.1	139702.2	140918.8	142176.5	141600.2	141014.8	141742.0
8°	124724.0	124504.5	123823.0	125057.8	125743.9	126832.4	126827.8	126493.9	126475.6	127687.6
9°	108506.3	110532.4	109933.3	111227.6	111053.8	111003.5	110669.6	110454.7	109540.0	110934.9
10°	90697.1	92023.4	93034.2	94964.2	94589.2	95119.7	93262.9	93578.4	92970.2	94122.7
12.5°	46947.0	48438.0	49311.5	50784.2	52403.2	54058.8	53523.7	52970.3	52142.5	53157.8
15°	23109.9	23699.9	23978.9	25474.4	26626.9	27043.1	27107.1	26617.8	26407.4	26626.9
17.5°	14182.4	14388.2	15197.7	16917.4	17914.4	18161.4	18001.3	17466.2	16867.1	16615.5
20°	10267.5	10327.0	10633.4	10967.3	12298.1	12993.3	12737.2	12211.3	11657.9	11397.2
22.5°	6704.8	6764.2	6864.8	7047.8	7404.5	8264.3	7985.3	7628.6	7253.6	7175.8
25°	3796.0	3796.0	3901.2	4088.7	4354.0	4418.0	4472.9	4093.3	3919.5	3841.7
27.5°	2117.5	2131.3	2154.1	2227.3	2359.9	2346.2	2286.8	2186.1	2067.2	1943.7
30°	1170.8	1184.5	1198.3	1216.6	1239.4	1198.3	1161.7	1143.4	1093.1	1079.3
32.5°	878.1	878.1	887.3	882.7	859.8	809.5	786.6	814.1	809.5	786.6
35°	722.6	722.6	731.8	750.1	704.3	667.7	649.4	686.0	686.0	672.3
37.5°	590.0	594.6	599.1	622.0	608.3	567.1	562.5	571.7	576.3	571.7
40°	516.8	512.2	512.2	516.8	507.7	498.5	489.4	484.8	489.4	484.8
42.5°	448.2	443.6	452.8	443.6	425.3	429.9	429.9	416.2	420.8	411.6
45°	393.3	388.7	393.3	384.2	370.5	375.0	375.0	356.7	356.7	352.2
47.5°	347.6	347.6	347.6	352.2	329.3	324.7	329.3	324.7	311.0	306.4
50°	301.9	306.4	311.0	320.1	297.3	288.1	288.1	288.1	279.0	274.4
52.5°	279.0	283.6	283.6	283.6	269.8	260.7	260.7	256.1	251.5	247.0
55°	269.8	269.8	269.8	251.5	247.0	242.4	228.7	224.1	219.5	219.5
57.5°	256.1	256.1	251.5	237.8	224.1	224.1	205.8	201.2	196.7	196.7
60°	228.7	228.7	228.7	224.1	205.8	201.2	182.9	173.8	169.2	169.2
62.5°	210.4	210.4	210.4	192.1	187.5	173.8	160.1	146.4	141.8	132.6
65°	192.1	192.1	192.1	173.8	164.6	150.9	132.6	118.9	109.8	96.0
67.5°	178.4	178.4	173.8	160.1	146.4	128.1	109.8	96.0	77.7	68.6
70°	155.5	155.5	150.9	141.8	128.1	114.3	91.5	73.2	59.5	45.7
72.5°	132.6	132.6	128.1	118.9	109.8	96.0	77.7	64.0	41.2	32.0
75°	109.8	109.8	105.2	96.0	91.5	82.3	68.6	50.3	32.0	13.7
77.5°	91.5	91.5	86.9	82.3	77.7	68.6	59.5	41.2	22.9	9.1
80°	68.6	73.2	73.2	73.2	64.0	59.5	54.9	41.2	18.3	4.6
82.5°	50.3	54.9	54.9	54.9	50.3	45.7	50.3	36.6	18.3	4.6
85°	36.6	36.6	41.2	41.2	41.2	41.2	54.9	41.2	13.7	4.6
87.5°	18.3	18.3	18.3	18.3	18.3	22.9	27.4	22.9	9.1	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°
177785.8
176811.6
175718.5
173102.5
168423.8
161591.0
152517.2
141517.9
124326.1
108332.5
91168.2
50409.1
25602.5
16263.4
11195.9
7015.8
3777.7
1948.3
1079.3
772.9
667.7
571.7
489.4
416.2
352.2
306.4
269.8
242.4
215.0
196.7
164.6
123.5
96.0
64.0
45.7
27.4
13.7
4.6
4.6
4.6
4.6
0.0
0.0

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