

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: P636009

Luminaire Tested: **IFLD-L-SA8B-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636009
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-927-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24483.7 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

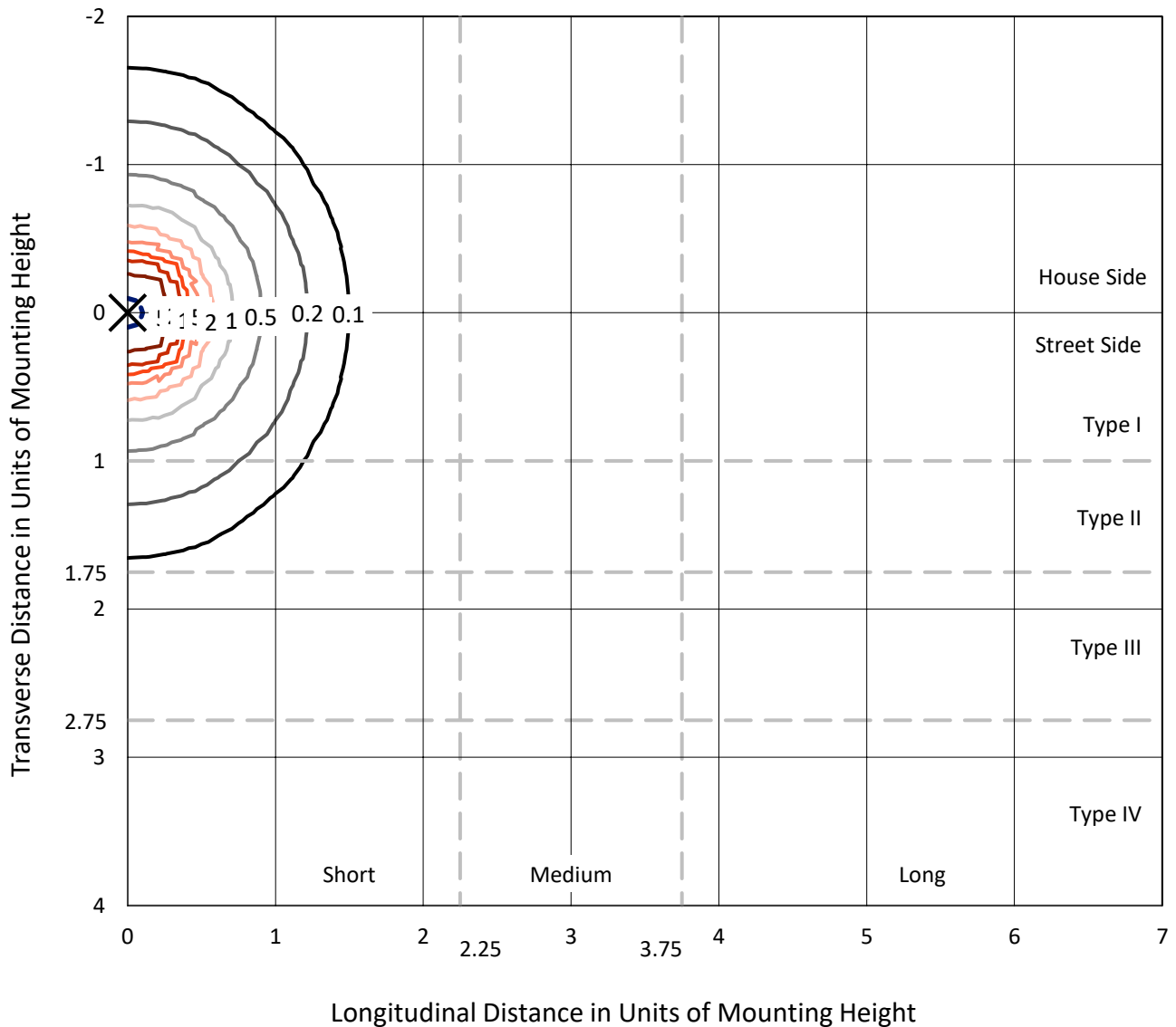
Input Watts (W): 320
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

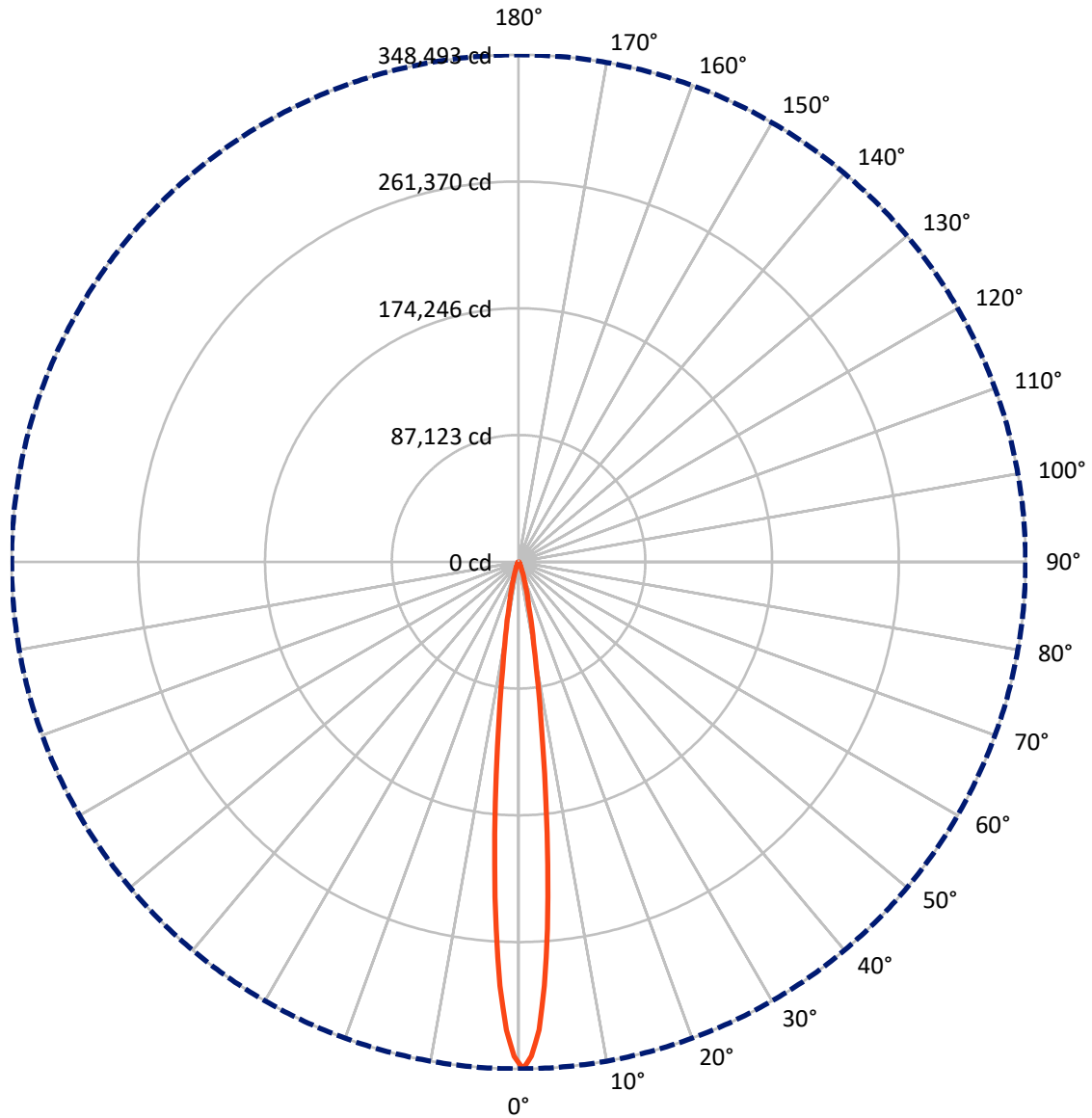
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 871.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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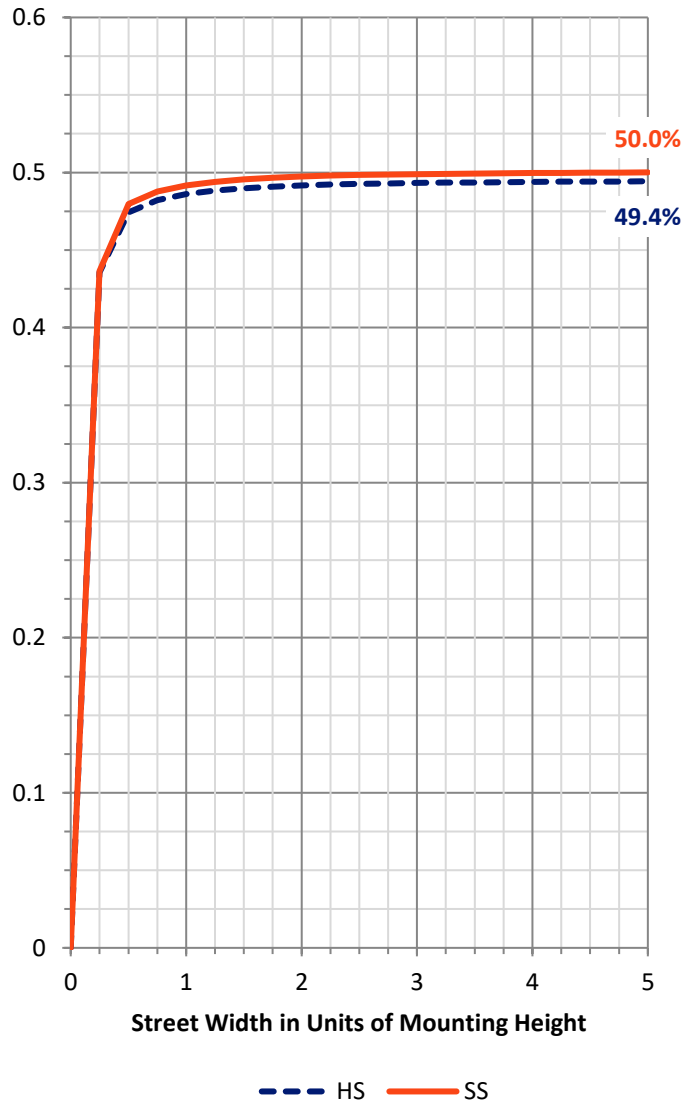
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12241.8	0.0	12241.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12241.8	0.0	12241.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	24483.7	0.0	24483.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14924.8	61.0
10°-20°	6686.4	27.3
20°-30°	1493.2	6.1
30°-40°	487.4	2.0
40°-50°	336.1	1.4
50°-60°	253.9	1.0
60°-70°	173.8	0.7
70°-80°	91.5	0.4
80°-90°	36.5	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°	24483.7	100.0
0°-180°	24483.7	100.0

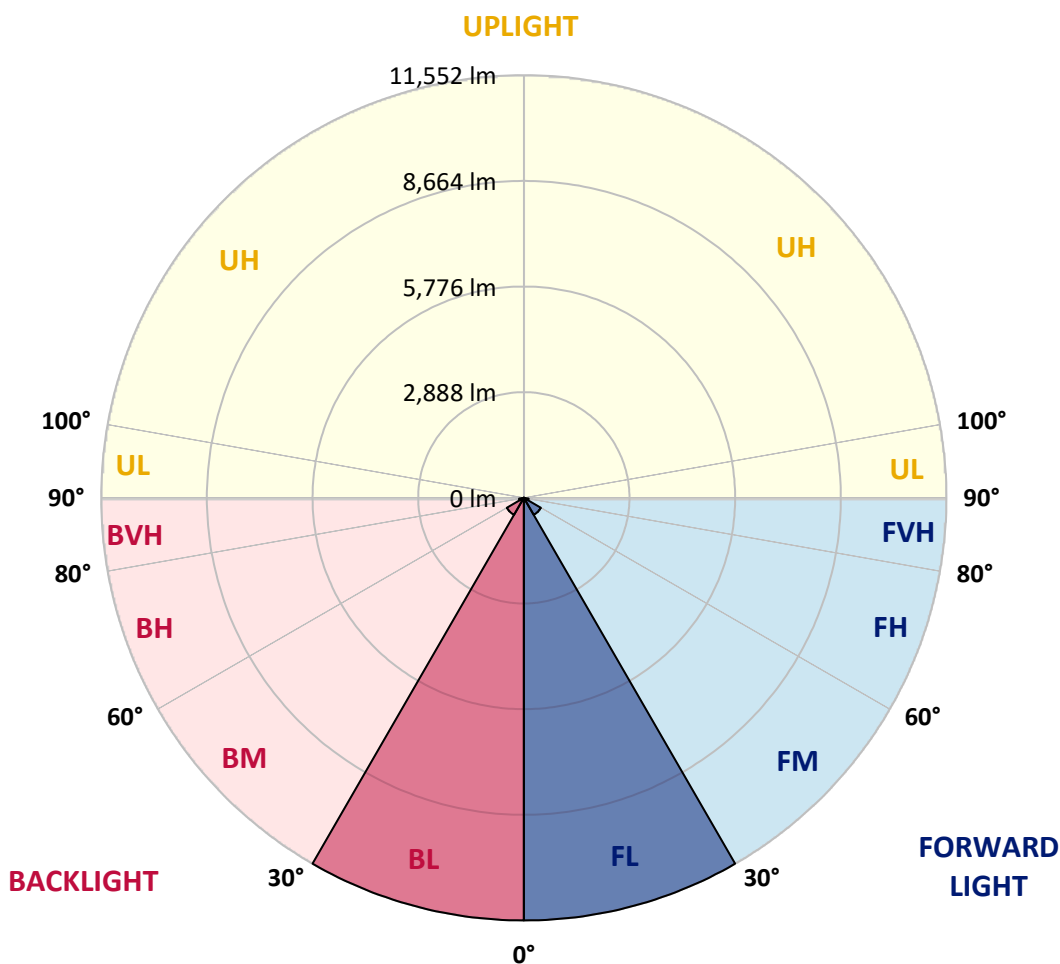


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11552.2	47.2			
FM (30°-60°)	538.7	2.2			
FH (60°-80°)	132.7	0.5			G0/660
FVH (80°-90°)	18.3	0.1			G1/100
BL (0°-30°)	11552.2	47.2	B5		
BM (30°-60°)	538.7	2.2	B1/1000		
BH (60°-80°)	132.7	0.5	B1/500		G0/660
BVH (80°-90°)	18.3	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°	348492.9	348492.9	348492.9	348492.9	348492.9	348492.9	348492.9	348492.9	348492.9	348492.9
1°	339840.7	340302.9	339788.3	342387.5	343460.3	344018.5	344083.9	345549.2	344419.7	344733.7
2°	321930.0	322959.2	321236.6	322902.5	326234.3	327494.6	325440.6	327978.7	327071.6	327599.3
3°	291834.6	293095.0	290713.9	292750.4	297037.3	297996.7	294630.0	298236.6	298145.0	298903.8
4°	253043.4	255088.7	251687.1	254098.8	255995.8	259336.4	256074.3	260178.0	260099.5	261416.6
5°	209010.3	211221.3	208264.5	210767.8	212564.5	213807.4	212612.5	217152.3	217440.1	218800.7
6°	165923.5	167986.2	164684.9	167074.8	169922.5	170432.8	170123.1	174030.6	174898.4	173838.7
7°	127694.8	128209.4	127690.5	129862.2	132147.4	132230.3	132631.5	136068.0	136831.1	136464.8
8°	97795.7	95440.8	97464.3	98615.6	99322.1	102566.7	102806.5	104537.8	105942.1	106042.4
9°	74442.5	72262.0	74603.9	75061.8	76684.1	79566.7	79204.7	81097.4	81978.3	81921.6
10°	56754.2	55646.5	56819.6	57325.5	58660.0	61102.2	61525.2	62393.0	63047.2	63474.5
12.5°	30797.5	31054.8	31735.1	32267.1	34063.9	34713.7	34975.3	35049.5	35045.1	35114.9
15°	19131.8	19341.1	19816.4	20780.2	21874.8	22681.6	22795.0	22376.4	22014.4	21957.7
17.5°	11931.7	11848.9	12965.3	14020.7	15337.7	15756.3	15320.2	14840.5	14347.7	14064.3
20°	7160.8	7217.5	7596.9	8067.9	9132.0	9855.9	9402.3	8913.9	8403.7	8067.9
22.5°	4068.8	4129.9	4295.6	4539.8	4945.4	5603.9	5316.1	4823.3	4461.3	4313.0
25°	2402.9	2402.9	2503.2	2612.2	2782.3	2935.0	2873.9	2612.2	2398.6	2337.5
27.5°	1556.9	1543.8	1578.7	1631.0	1709.5	1718.2	1648.5	1570.0	1460.9	1421.7
30°	1138.2	1142.6	1138.2	1160.0	1155.7	1125.1	1081.5	1085.9	1042.3	1037.9
32.5°	924.5	928.9	928.9	924.5	902.7	854.8	824.2	854.8	846.0	837.3
35°	767.5	771.9	815.5	811.1	776.3	723.9	702.1	737.0	763.2	723.9
37.5°	662.9	667.2	702.1	719.6	676.0	641.1	614.9	645.4	684.7	641.1
40°	584.4	588.7	597.5	601.8	580.0	562.6	549.5	558.2	575.7	553.8
42.5°	514.6	510.2	514.6	510.2	484.1	492.8	484.1	471.0	484.1	466.6
45°	449.2	449.2	449.2	436.1	409.9	427.4	418.7	405.6	409.9	396.9
47.5°	409.9	409.9	409.9	392.5	370.7	370.7	375.0	353.2	357.6	353.2
50°	370.7	370.7	379.4	362.0	344.5	331.4	335.8	318.4	322.7	318.4
52.5°	340.2	340.2	340.2	331.4	318.4	309.6	300.9	292.2	287.8	283.5
55°	327.1	327.1	322.7	296.5	292.2	283.5	266.0	261.7	252.9	248.6
57.5°	305.3	305.3	300.9	279.1	261.7	261.7	235.5	231.1	218.1	218.1
60°	270.4	270.4	266.0	261.7	239.9	226.8	209.3	200.6	187.5	183.2
62.5°	257.3	257.3	248.6	226.8	222.4	200.6	183.2	165.7	157.0	148.3
65°	239.9	235.5	231.1	209.3	191.9	178.8	157.0	135.2	126.5	109.0
67.5°	213.7	213.7	209.3	191.9	174.4	152.6	130.8	113.4	91.6	78.5
70°	187.5	183.2	183.2	165.7	152.6	135.2	104.7	87.2	65.4	52.3
72.5°	157.0	157.0	152.6	139.6	130.8	117.7	91.6	69.8	43.6	34.9
75°	126.5	126.5	122.1	113.4	109.0	95.9	78.5	61.1	34.9	17.4
77.5°	104.7	100.3	100.3	91.6	87.2	78.5	65.4	48.0	26.2	13.1
80°	78.5	78.5	82.9	78.5	69.8	65.4	56.7	43.6	21.8	8.7
82.5°	56.7	56.7	61.1	61.1	61.1	56.7	56.7	43.6	21.8	4.4
85°	39.2	39.2	48.0	43.6	43.6	48.0	69.8	56.7	17.4	4.4
87.5°	21.8	21.8	21.8	17.4	17.4	21.8	26.2	21.8	8.7	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
348492.9
342426.7
325715.3
296867.2
259105.2
216201.6
173947.7
135963.3
104777.7
83256.1
63727.5
35171.6
21783.3
14020.7
8142.0
4330.5
2328.8
1421.7
1033.6
819.9
715.2
636.7
545.1
466.6
396.9
353.2
318.4
283.5
244.2
218.1
174.4
143.9
104.7
78.5
52.3
30.5
17.4
8.7
4.4
4.4
4.4
4.4
0.0

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