

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: P636299

Luminaire Tested: **IFLD-L-SA8B-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636299
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-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24088.9 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

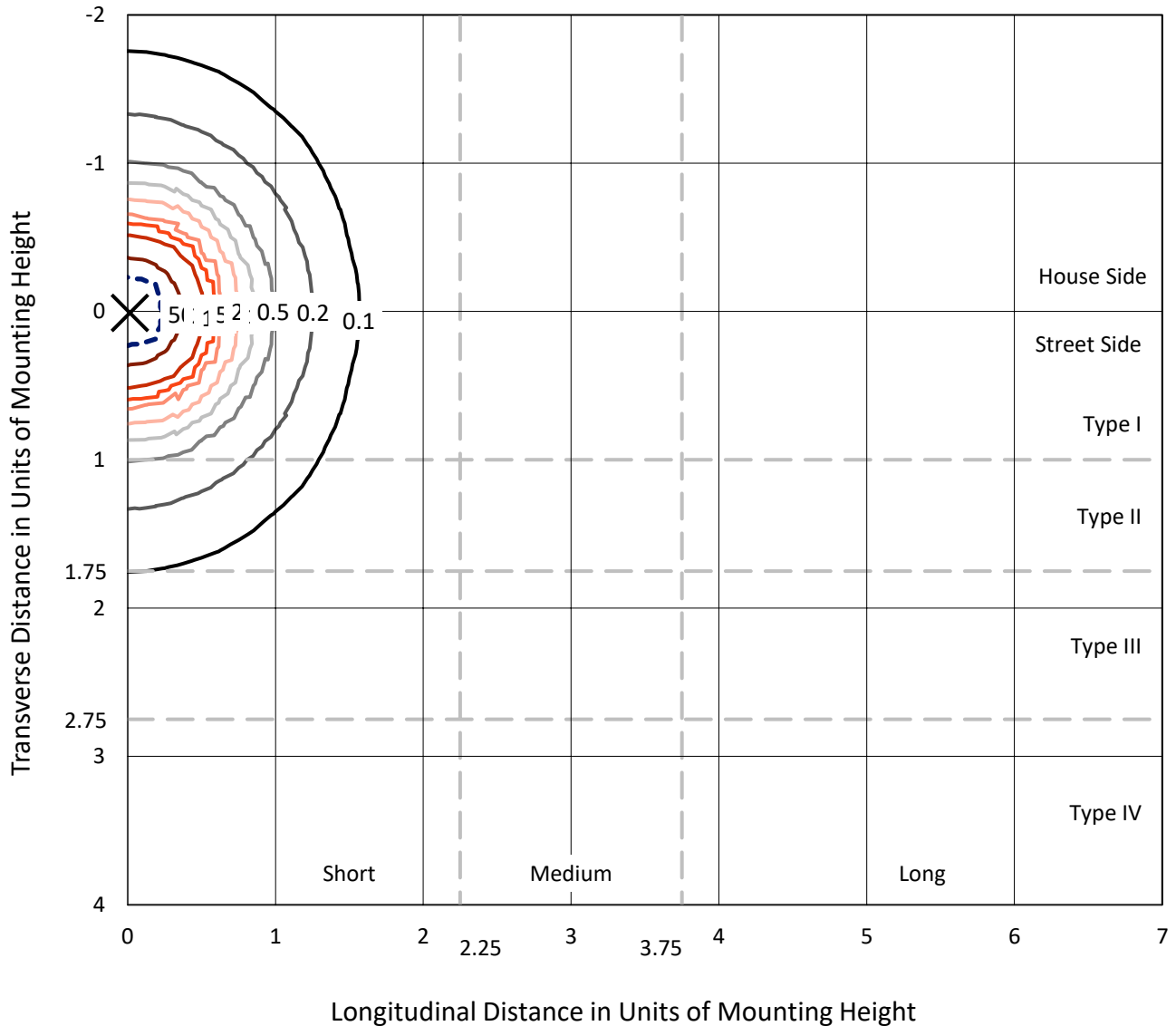
Input Watts (W): 320
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

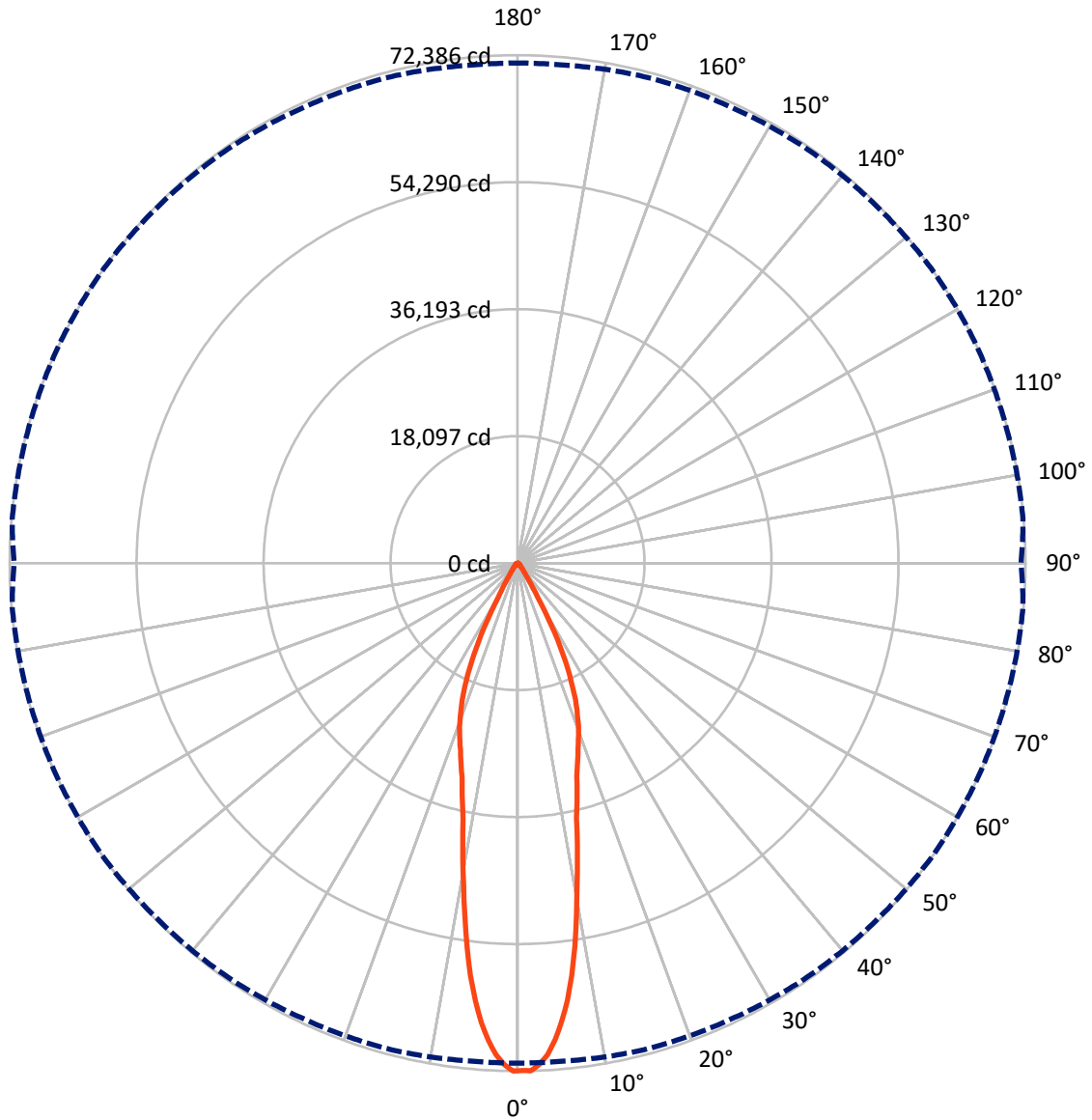
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 180.8 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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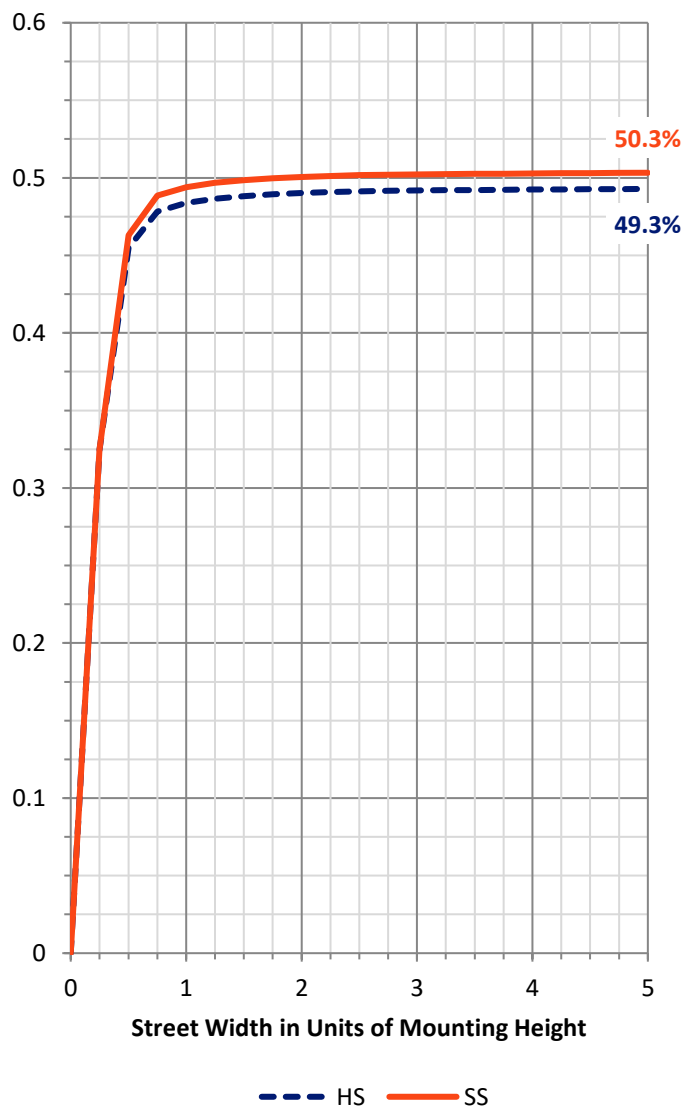
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12044.5	0.0	12044.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12044.5	0.0	12044.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24088.9	0.0	24088.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5501.2	22.8
10°-20°	8985.0	37.3
20°-30°	7021.1	29.1
30°-40°	1530.4	6.4
40°-50°	453.1	1.9
50°-60°	283.4	1.2
60°-70°	198.2	0.8
70°-80°	85.0	0.4
80°-90°	31.4	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°	24088.9	100.0
0°-180°	24088.9	100.0



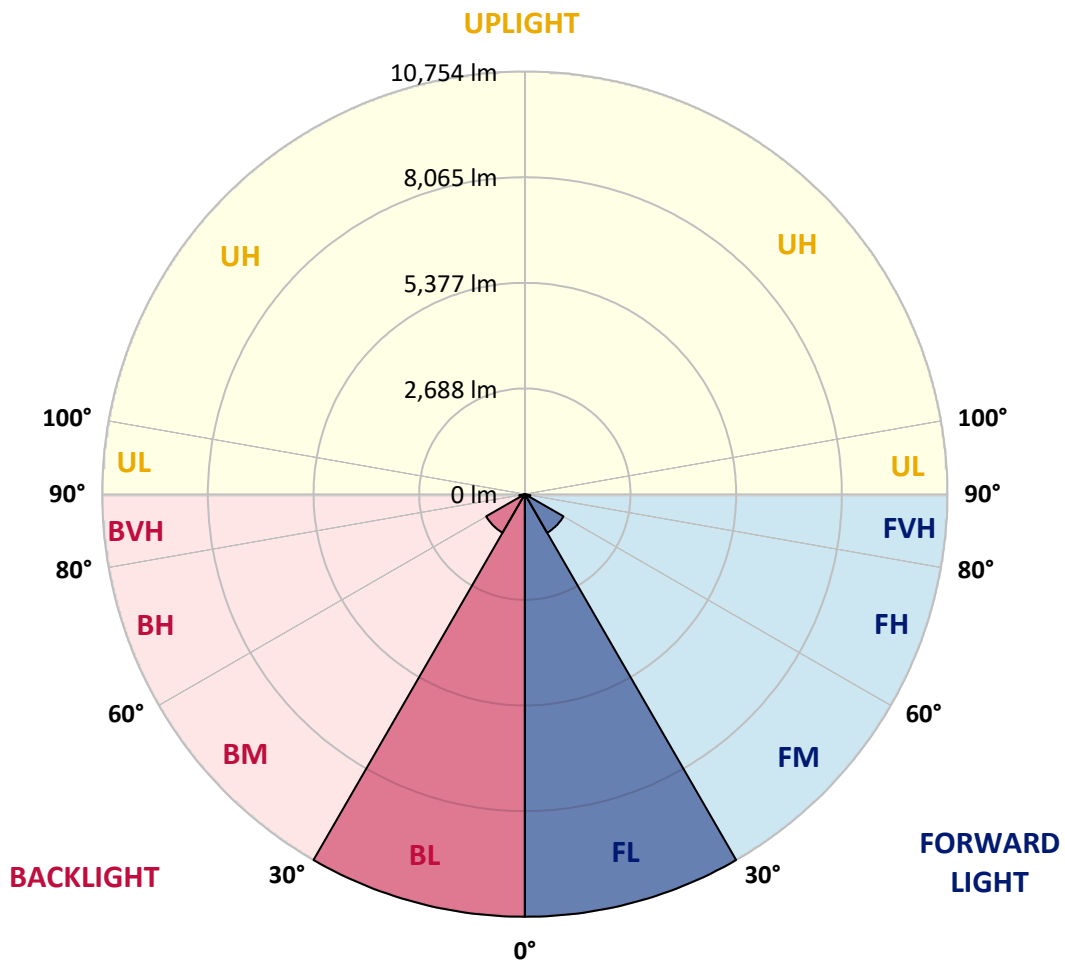
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10753.7	44.6			
FM (30°-60°)	1133.5	4.7			
FH (60°-80°)	141.6	0.6			G0/660
FVH (80°-90°)	15.7	0.1			G1/100
BL (0°-30°)	10753.7	44.6	B5		
BM (30°-60°)	1133.5	4.7	B2/2500		
BH (60°-80°)	141.6	0.6	B1/500		G0/660
BVH (80°-90°)	15.7	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°	72303.1	72303.1	72303.1	72303.1	72303.1	72303.1	72303.1	72303.1	72303.1	72303.1
1°	71256.5	71265.3	71653.4	71740.6	72006.6	72141.8	72386.0	72359.8	72285.7	72294.4
2°	69943.9	69887.2	70249.2	70650.4	70968.7	71230.4	71522.6	71583.6	71513.8	71579.2
3°	67785.3	67702.4	68208.3	68709.8	69263.6	69712.8	70153.2	70170.7	70087.8	70083.5
4°	64946.4	64793.7	65395.5	66289.5	66987.3	67584.7	68134.2	68125.4	68012.1	68103.6
5°	61514.4	61322.5	62103.1	63280.5	64314.0	65033.6	65639.7	65495.8	65234.2	65247.3
6°	57301.8	57489.3	58444.3	60097.1	61318.1	61915.6	62661.3	62390.9	61937.4	61889.4
7°	53342.1	53765.1	54528.3	56521.2	57973.3	58601.3	59233.6	58688.5	58073.6	57973.3
8°	49173.1	49879.6	50934.9	52770.8	54318.9	54951.3	55191.1	54606.8	53948.3	53922.1
9°	45793.4	46277.5	47184.6	48802.4	50376.7	50799.7	50852.1	50341.8	49683.3	49726.9
10°	42719.0	42810.6	43595.6	44986.7	46247.0	46547.9	46534.8	46164.1	45623.4	45767.3
12.5°	35837.6	36086.2	36312.9	36757.7	37180.7	37377.0	37302.8	37150.2	36853.7	36866.8
15°	31167.1	31162.7	31188.9	31393.9	31520.3	31542.1	31542.1	31350.3	31223.8	31411.3
17.5°	27046.1	27272.9	27678.4	27844.1	28009.8	27948.8	27835.4	27748.2	27665.3	27826.7
20°	23840.9	23941.2	23945.5	24054.5	24891.8	24935.4	24791.5	24542.9	24333.6	24294.4
22.5°	20234.4	20387.0	20452.5	20548.4	20635.6	21272.3	21102.2	20701.0	20452.5	20378.3
25°	15188.9	15136.6	15563.9	16348.9	16475.3	16553.8	16510.2	16300.9	16139.6	16170.1
27.5°	10496.6	10588.2	10570.7	10579.5	11412.4	11408.0	11394.9	11211.8	11163.8	11094.0
30°	5869.7	5826.1	5847.9	5791.2	5673.5	5817.4	5586.3	5782.5	5590.6	5651.7
32.5°	3471.2	3440.7	3410.2	3423.3	3336.1	3122.4	3030.8	3166.0	3122.4	3104.9
35°	2215.3	2228.4	2267.6	2263.3	2184.8	2062.7	1931.9	2054.0	2036.5	1984.2
37.5°	1412.9	1412.9	1426.0	1539.4	1474.0	1369.3	1277.7	1330.1	1325.7	1317.0
40°	1003.0	1003.0	1020.4	1051.0	1016.1	963.8	911.4	911.4	920.1	894.0
42.5°	745.7	745.7	763.2	780.6	737.0	719.5	693.4	675.9	697.7	675.9
45°	584.4	580.0	584.4	575.6	549.5	549.5	527.7	501.5	527.7	514.6
47.5°	479.7	475.3	471.0	453.5	427.4	431.7	423.0	401.2	414.3	409.9
50°	418.6	409.9	414.3	396.8	375.0	370.7	370.7	348.9	353.2	353.2
52.5°	366.3	366.3	362.0	353.2	344.5	327.1	331.4	309.6	309.6	309.6
55°	344.5	344.5	335.8	318.3	322.7	309.6	296.5	283.5	279.1	279.1
57.5°	340.1	340.1	335.8	318.3	305.3	300.9	283.5	266.0	252.9	257.3
60°	331.4	331.4	322.7	318.3	296.5	287.8	261.7	248.6	231.1	231.1
62.5°	318.3	314.0	296.5	270.4	270.4	248.6	231.1	205.0	191.9	187.5
65°	270.4	266.0	252.9	231.1	218.0	205.0	178.8	152.6	143.9	130.8
67.5°	222.4	222.4	213.7	191.9	183.2	165.7	135.2	117.7	95.9	87.2
70°	183.2	183.2	174.4	161.4	152.6	130.8	104.7	87.2	65.4	56.7
72.5°	148.3	148.3	139.5	130.8	122.1	109.0	87.2	65.4	43.6	34.9
75°	117.7	117.7	113.4	104.7	95.9	87.2	69.8	52.3	30.5	17.4
77.5°	95.9	95.9	91.6	87.2	78.5	69.8	56.7	43.6	21.8	8.7
80°	74.1	74.1	74.1	74.1	65.4	56.7	48.0	34.9	17.4	4.4
82.5°	52.3	52.3	56.7	65.4	52.3	43.6	43.6	34.9	13.1	4.4
85°	34.9	39.2	43.6	39.2	34.9	34.9	61.1	56.7	13.1	4.4
87.5°	17.4	17.4	17.4	17.4	17.4	13.1	17.4	13.1	8.7	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°
72303.1
71758.0
71064.7
69704.1
67671.9
64610.6
61252.7
57498.0
52967.1
49077.2
45261.4
36435.0
30975.2
27456.0
24041.5
20112.3
16065.4
10841.1
5725.8
3061.3
1927.5
1299.5
885.3
671.6
514.6
409.9
357.6
309.6
274.7
257.3
218.0
178.8
126.5
82.9
52.3
30.5
13.1
8.7
4.4
4.4
4.4
0.0
0.0

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