

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: P636008

Luminaire Tested: **IFLD-L-SA8A-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636008
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-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: 20608 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

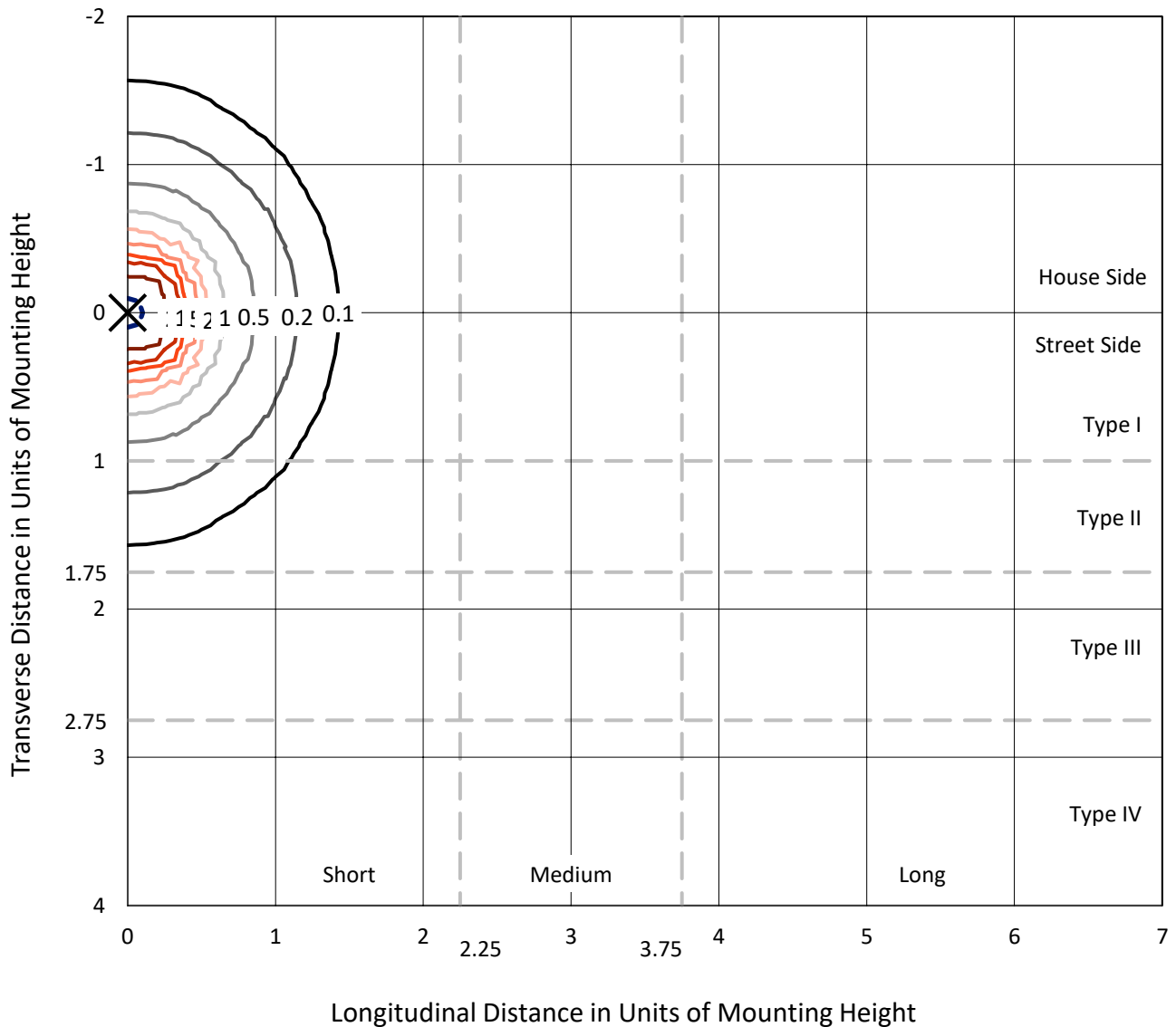
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

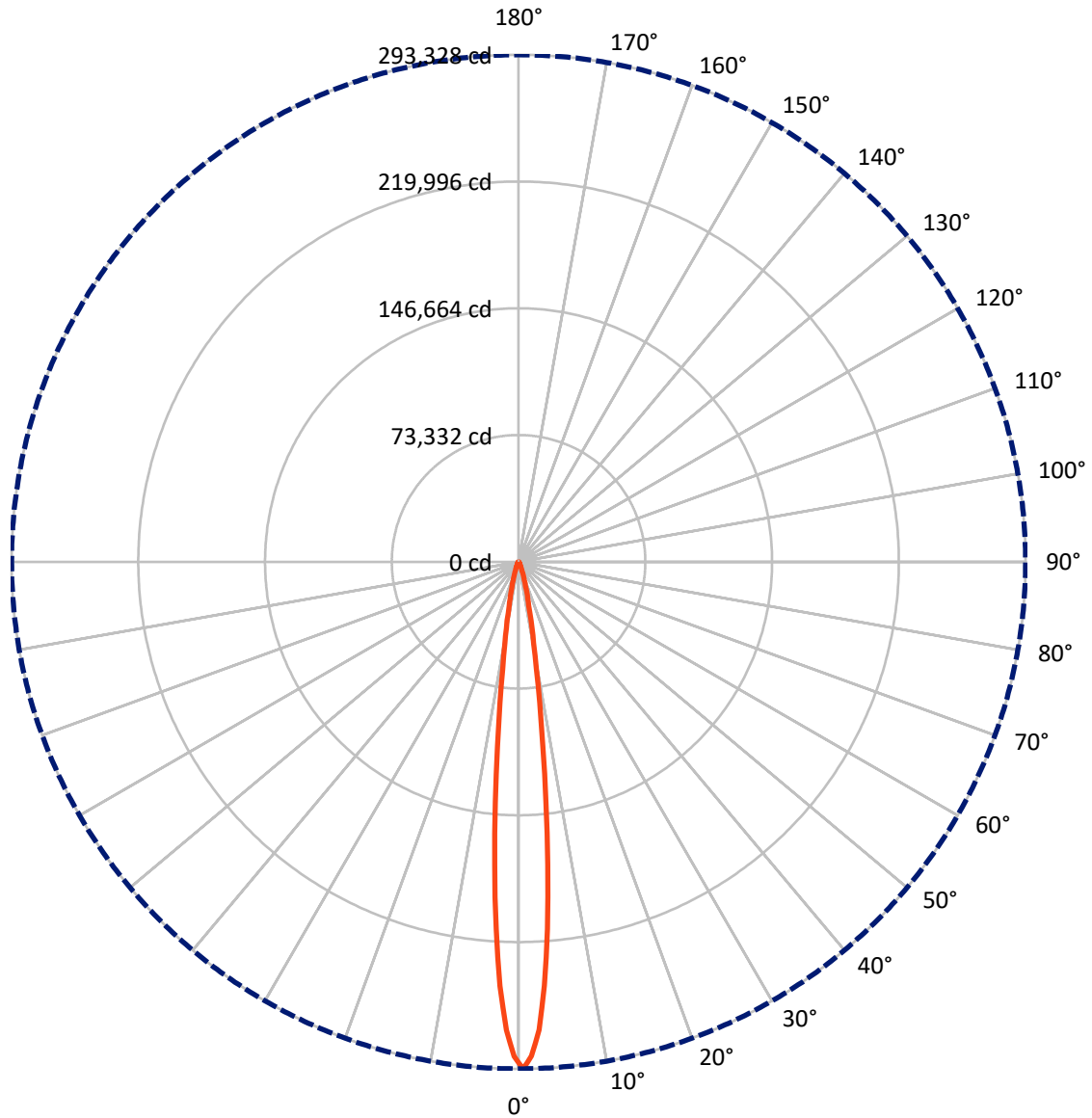
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 733.3 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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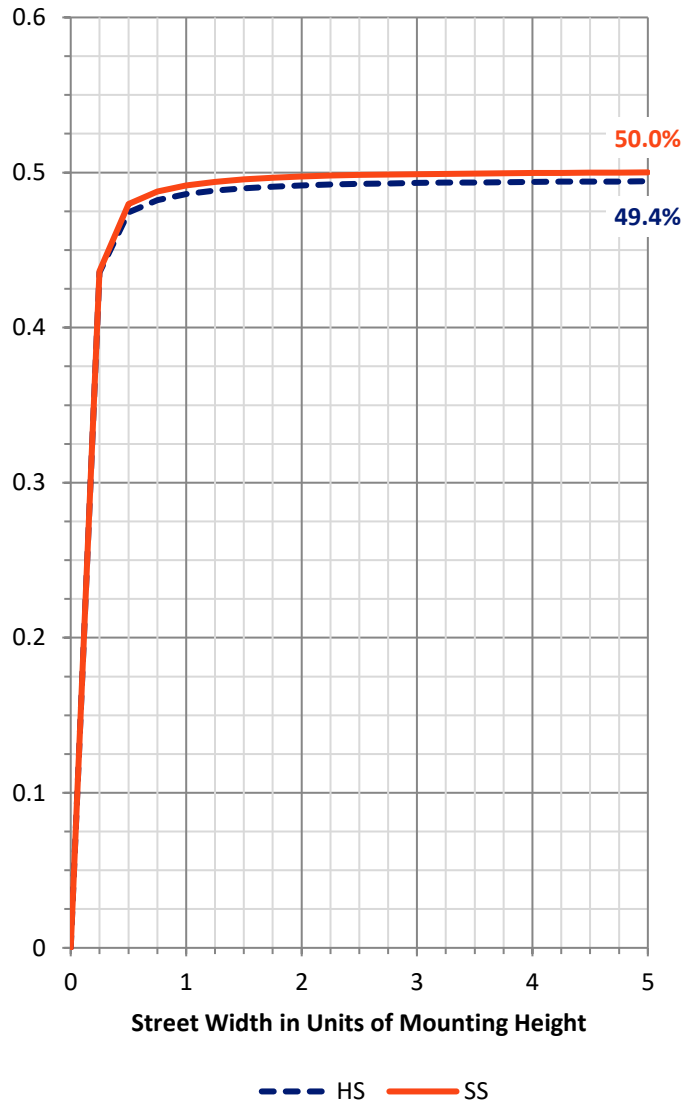
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10304.0	0.0	10304.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10304.0	0.0	10304.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20608.0	0.0	20608.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12562.2	61.0
10°-20°	5628.0	27.3
20°-30°	1256.8	6.1
30°-40°	410.2	2.0
40°-50°	282.9	1.4
50°-60°	213.7	1.0
60°-70°	146.3	0.7
70°-80°	77.0	0.4
80°-90°	30.7	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°	20608.0	100.0
0°-180°	20608.0	100.0

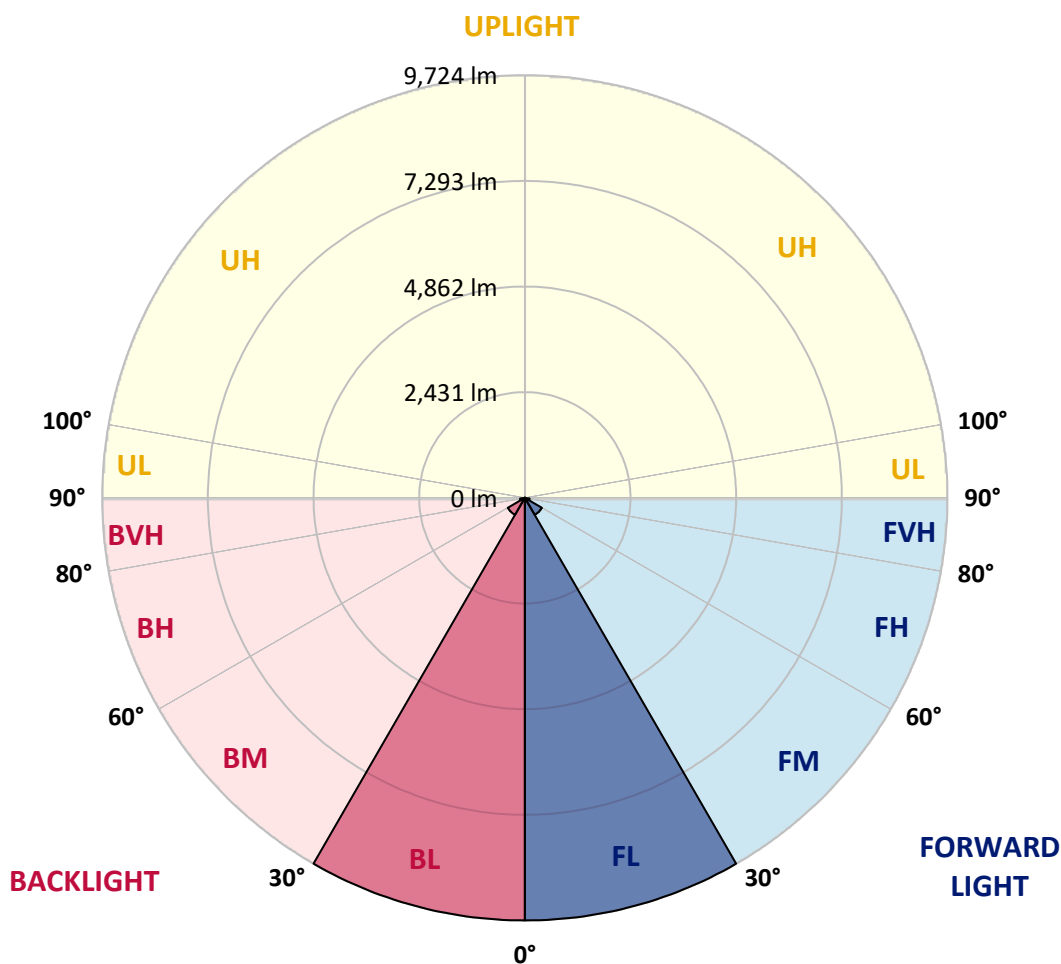


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9723.5	47.2			
FM (30°-60°)	453.4	2.2			
FH (60°-80°)	111.7	0.5			G0/660
FVH (80°-90°)	15.4	0.1			G1/100
BL (0°-30°)	9723.5	47.2	B5		
BM (30°-60°)	453.4	2.2	B1/1000		
BH (60°-80°)	111.7	0.5	B1/500		G0/660
BVH (80°-90°)	15.4	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°	293327.8	293327.8	293327.8	293327.8	293327.8	293327.8	293327.8	293327.8	293327.8	293327.8
1°	286045.2	286434.3	286001.1	288188.9	289091.9	289561.7	289616.8	290850.1	289899.4	290163.7
2°	270969.7	271836.0	270386.1	271788.3	274592.7	275653.5	273924.6	276060.9	275297.4	275741.6
3°	245638.3	246699.2	244695.0	246409.2	250017.5	250825.0	247991.2	251026.9	250949.8	251588.5
4°	212987.6	214709.2	211846.0	213875.9	215472.7	218284.4	215538.7	218992.9	218926.8	220035.3
5°	175924.7	177785.8	175297.1	177404.0	178916.4	179962.5	178956.7	182777.9	183020.2	184165.4
6°	139658.4	141394.6	138615.9	140627.5	143024.4	143453.9	143193.3	146482.2	147212.7	146320.7
7°	107481.2	107914.4	107477.6	109305.6	111229.0	111298.7	111636.4	114528.9	115171.3	114863.0
8°	82315.0	80332.9	82036.1	83005.1	83599.8	86330.8	86532.6	87989.9	89171.9	89256.3
9°	62658.5	60823.2	62794.3	63179.8	64545.3	66971.6	66666.9	68260.0	69001.5	68953.8
10°	47770.2	46837.9	47825.3	48251.1	49374.3	51429.9	51786.0	52516.4	53067.0	53426.8
12.5°	25922.4	26138.9	26711.5	27159.4	28671.7	29218.6	29438.9	29501.3	29497.6	29556.3
15°	16103.3	16279.5	16679.6	17490.8	18412.1	19091.2	19186.7	18834.3	18529.6	18481.9
17.5°	10043.0	9973.2	10912.9	11801.2	12909.8	13262.2	12895.1	12491.3	12076.5	11837.9
20°	6027.3	6075.0	6394.3	6790.8	7686.4	8295.7	7914.0	7502.9	7073.4	6790.8
22.5°	3424.7	3476.1	3615.6	3821.2	4162.6	4716.8	4474.6	4059.8	3755.1	3630.3
25°	2022.5	2022.5	2107.0	2198.7	2341.9	2470.4	2419.0	2198.7	2018.9	1967.5
27.5°	1310.4	1299.4	1328.8	1372.8	1438.9	1446.2	1387.5	1321.4	1229.7	1196.6
30°	958.0	961.7	958.0	976.4	972.7	947.0	910.3	914.0	877.3	873.6
32.5°	778.2	781.9	781.9	778.2	759.8	719.5	693.8	719.5	712.1	704.8
35°	646.0	649.7	686.4	682.7	653.4	609.3	591.0	620.3	642.4	609.3
37.5°	557.9	561.6	591.0	605.7	569.0	539.6	517.6	543.3	576.3	539.6
40°	491.9	495.5	502.9	506.6	488.2	473.5	462.5	469.8	484.5	466.2
42.5°	433.1	429.5	433.1	429.5	407.4	414.8	407.4	396.4	407.4	392.8
45°	378.1	378.1	378.1	367.1	345.0	359.7	352.4	341.4	345.0	334.0
47.5°	345.0	345.0	345.0	330.4	312.0	312.0	315.7	297.3	301.0	297.3
50°	312.0	312.0	319.3	304.7	290.0	279.0	282.6	268.0	271.6	268.0
52.5°	286.3	286.3	286.3	279.0	268.0	260.6	253.3	245.9	242.3	238.6
55°	275.3	275.3	271.6	249.6	245.9	238.6	223.9	220.2	212.9	209.2
57.5°	256.9	256.9	253.3	234.9	220.2	220.2	198.2	194.5	183.5	183.5
60°	227.6	227.6	223.9	220.2	201.9	190.9	176.2	168.9	157.8	154.2
62.5°	216.6	216.6	209.2	190.9	187.2	168.9	154.2	139.5	132.1	124.8
65°	201.9	198.2	194.5	176.2	161.5	150.5	132.1	113.8	106.4	91.8
67.5°	179.9	179.9	176.2	161.5	146.8	128.5	110.1	95.4	77.1	66.1
70°	157.8	154.2	154.2	139.5	128.5	113.8	88.1	73.4	55.1	44.0
72.5°	132.1	132.1	128.5	117.5	110.1	99.1	77.1	58.7	36.7	29.4
75°	106.4	106.4	102.8	95.4	91.8	80.8	66.1	51.4	29.4	14.7
77.5°	88.1	84.4	84.4	77.1	73.4	66.1	55.1	40.4	22.0	11.0
80°	66.1	66.1	69.7	66.1	58.7	55.1	47.7	36.7	18.4	7.3
82.5°	47.7	47.7	51.4	51.4	51.4	47.7	47.7	36.7	18.4	3.7
85°	33.0	33.0	40.4	36.7	36.7	40.4	58.7	47.7	14.7	3.7
87.5°	18.4	18.4	18.4	14.7	14.7	18.4	22.0	18.4	7.3	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
293327.8
288221.9
274155.9
249874.3
218089.9
181977.7
146412.5
114440.8
88191.8
70077.0
53639.7
29604.0
18335.1
11801.2
6853.2
3645.0
1960.1
1196.6
870.0
690.1
602.0
535.9
458.8
392.8
334.0
297.3
268.0
238.6
205.6
183.5
146.8
121.1
88.1
66.1
44.0
25.7
14.7
7.3
3.7
3.7
3.7
3.7
0.0

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