

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: P636291

Luminaire Tested: **IFLD-M-SA4D-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636291
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18516.5 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

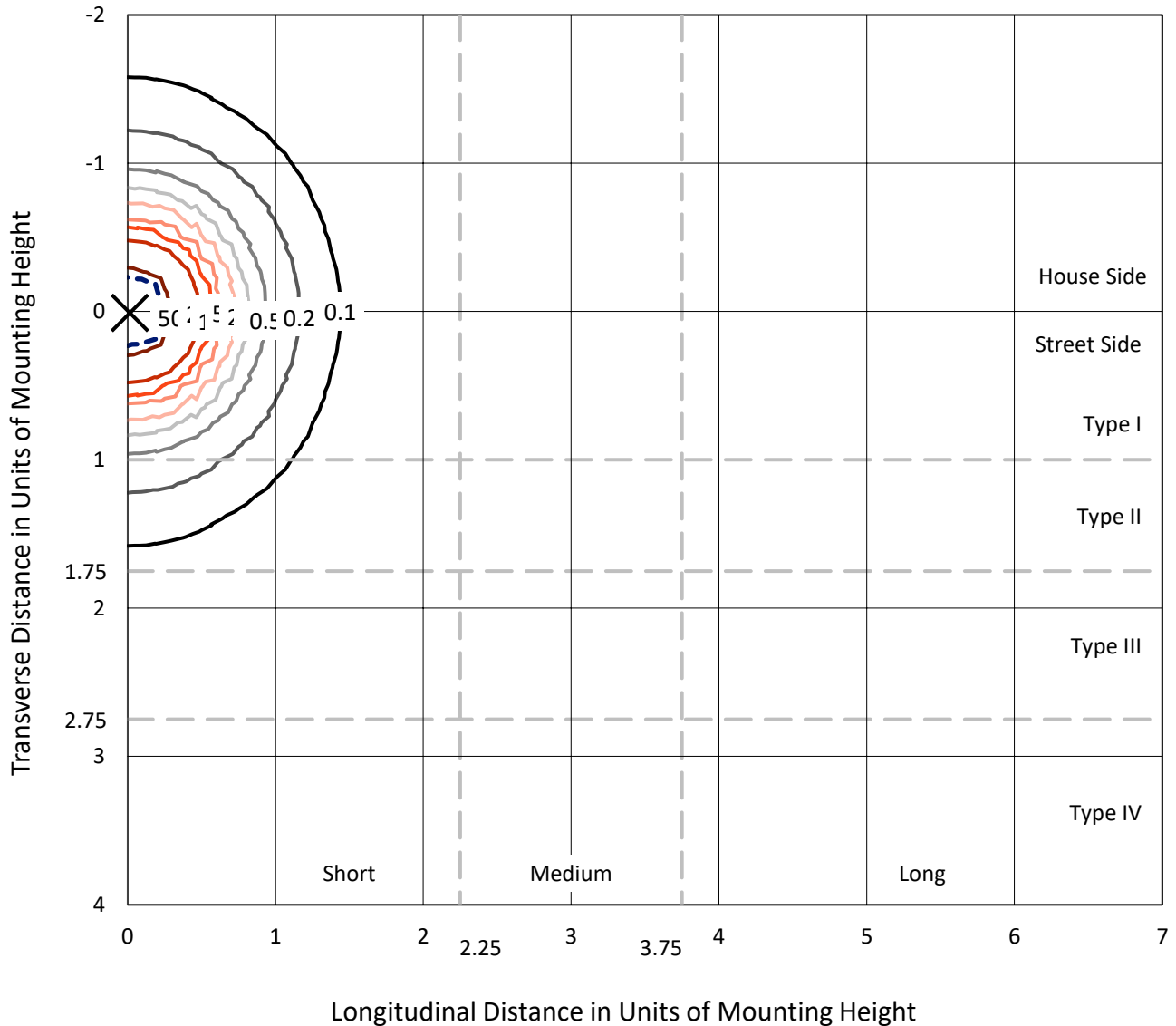
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

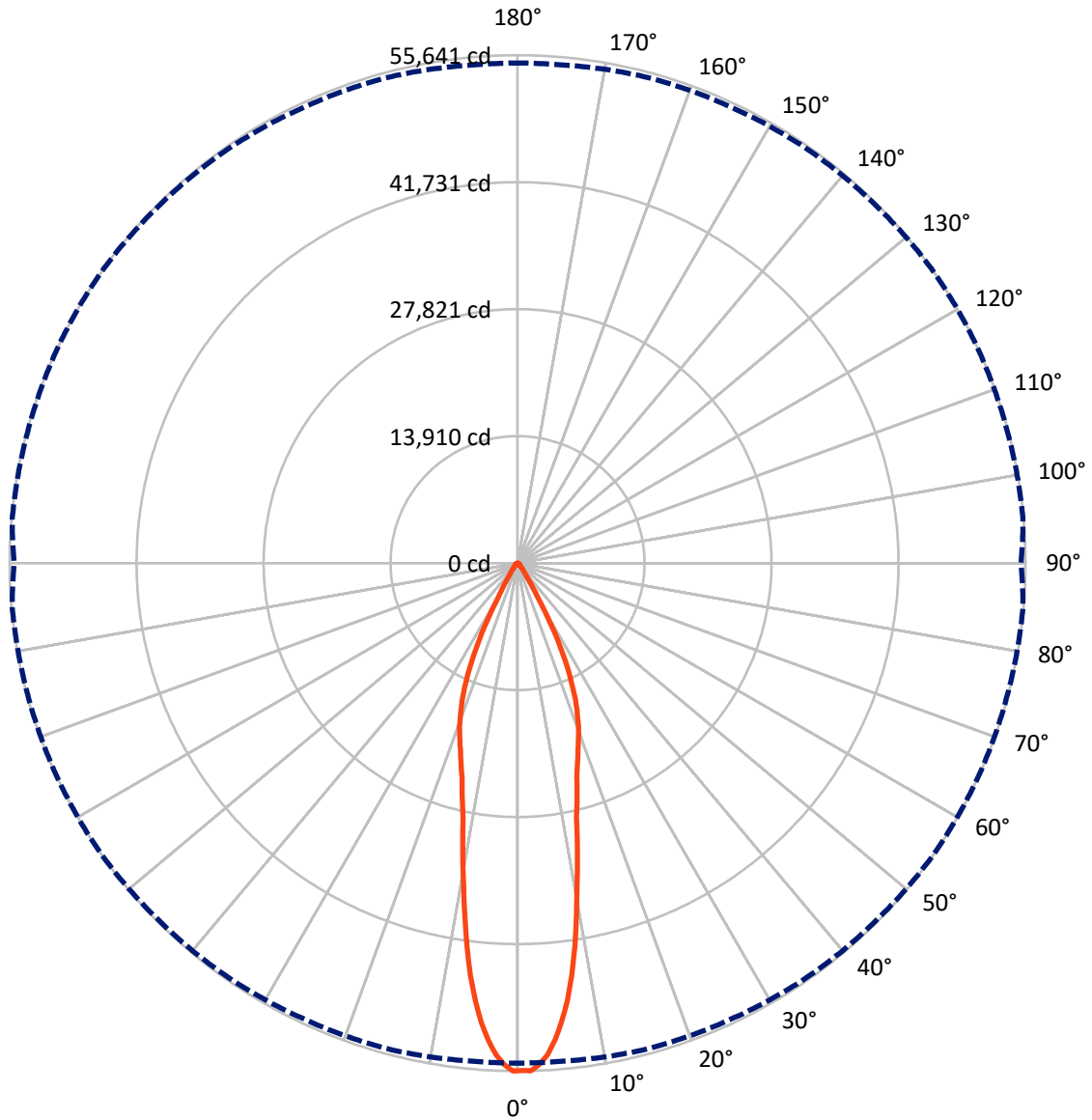
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 138.9 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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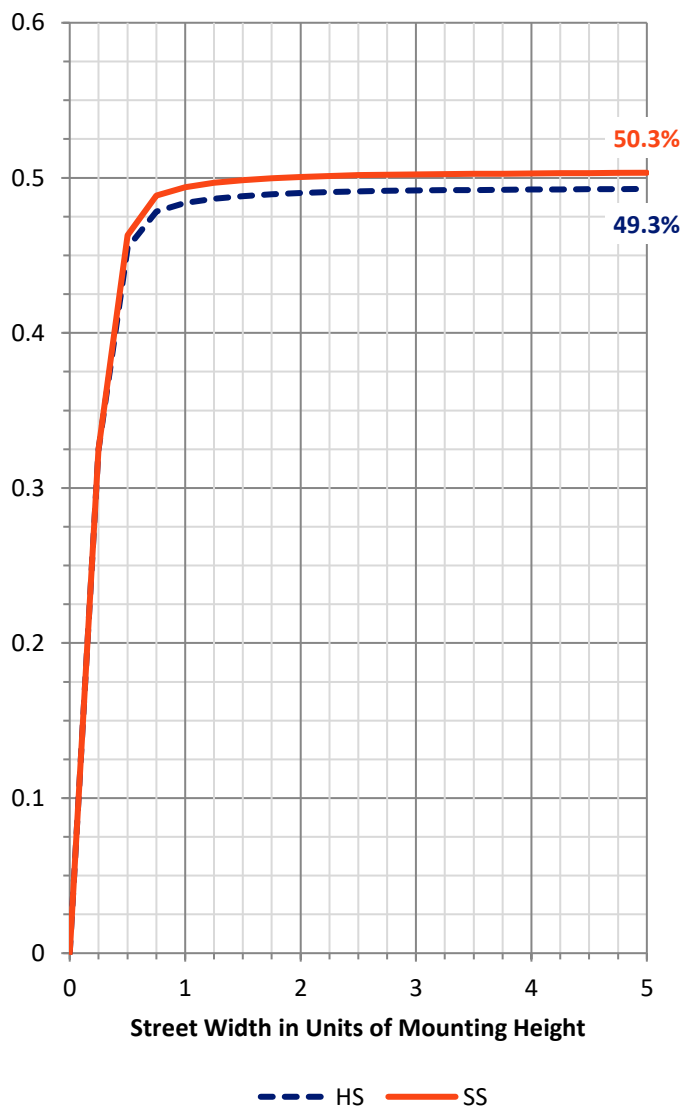
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9258.2	0.0	9258.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9258.2	0.0	9258.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	18516.5	0.0	18516.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4228.6	22.8
10°-20°	6906.5	37.3
20°-30°	5397.0	29.1
30°-40°	1176.4	6.4
40°-50°	348.3	1.9
50°-60°	217.8	1.2
60°-70°	152.3	0.8
70°-80°	65.4	0.4
80°-90°	24.2	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°	18516.5	100.0
0°-180°	18516.5	100.0



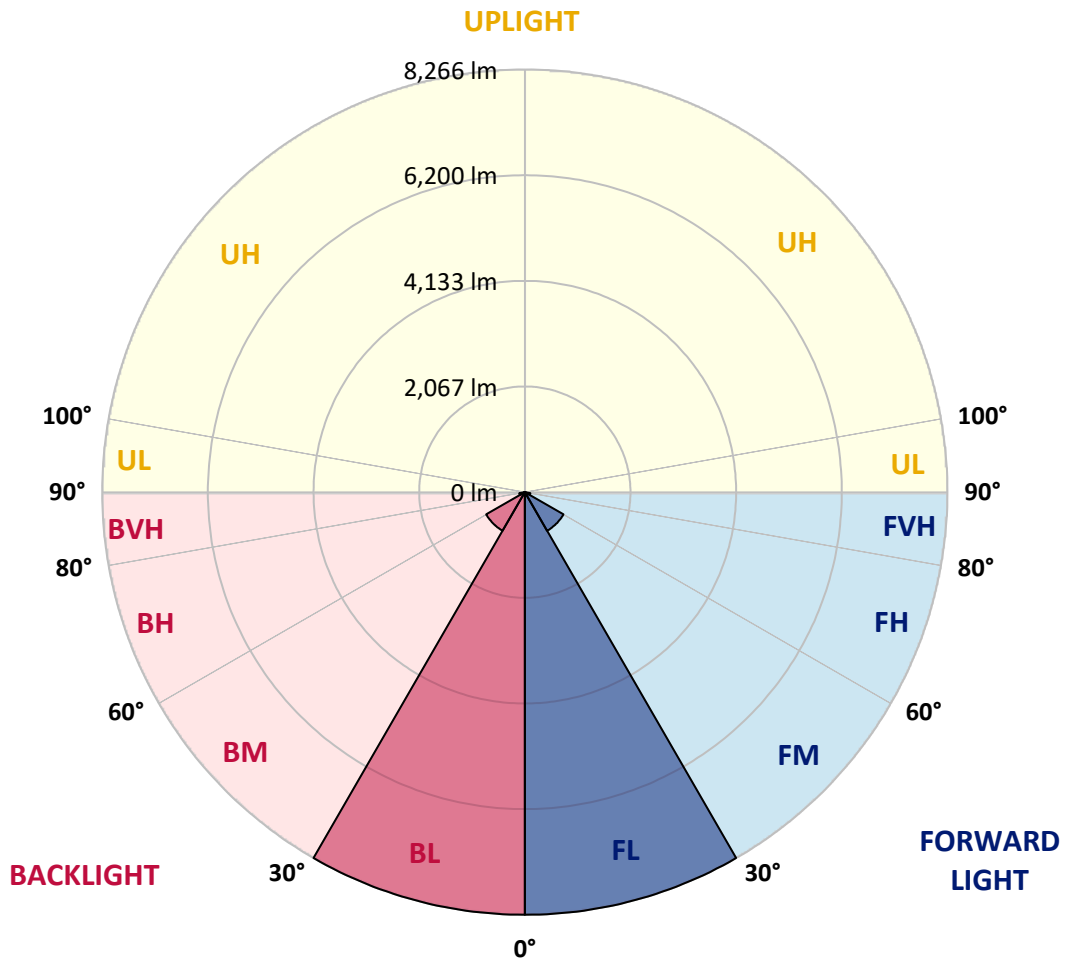
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8266.0	44.6			
FM (30°-60°)	871.3	4.7			
FH (60°-80°)	108.9	0.6			G0/660
FVH (80°-90°)	12.1	0.1			G1/100
BL (0°-30°)	8266.0	44.6	B5		
BM (30°-60°)	871.3	4.7	B1/1000		
BH (60°-80°)	108.9	0.6	B0/110		G0/660
BVH (80°-90°)	12.1	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°	55577.4	55577.4	55577.4	55577.4	55577.4	55577.4	55577.4	55577.4	55577.4	55577.4
1°	54772.9	54779.6	55077.9	55145.0	55349.4	55453.4	55641.1	55621.0	55564.0	55570.7
2°	53763.9	53720.3	53998.6	54307.0	54551.7	54752.8	54977.4	55024.3	54970.7	55020.9
3°	52104.6	52040.9	52429.8	52815.3	53241.0	53586.3	53924.8	53938.2	53874.5	53871.2
4°	49922.4	49805.1	50267.7	50954.9	51491.2	51950.4	52372.8	52366.1	52278.9	52349.3
5°	47284.4	47136.9	47736.9	48641.9	49436.4	49989.5	50455.4	50344.8	50143.7	50153.7
6°	44046.3	44190.4	44924.5	46194.9	47133.5	47592.7	48166.0	47958.1	47609.5	47572.6
7°	41002.6	41327.7	41914.3	43446.2	44562.5	45045.2	45531.2	45112.2	44639.6	44562.5
8°	37798.0	38341.0	39152.2	40563.4	41753.4	42239.5	42423.8	41974.7	41468.5	41448.4
9°	35200.1	35572.2	36269.4	37513.1	38723.2	39048.3	39088.5	38696.3	38190.2	38223.7
10°	32836.9	32907.3	33510.7	34580.0	35548.7	35780.0	35770.0	35485.1	35069.4	35180.0
12.5°	27547.3	27738.4	27912.7	28254.6	28579.8	28730.6	28673.6	28556.3	28328.4	28338.4
15°	23957.3	23953.9	23974.0	24131.6	24228.8	24245.6	24245.6	24098.1	24000.8	24145.0
17.5°	20789.6	20963.9	21275.6	21403.0	21530.4	21483.4	21396.3	21329.2	21265.6	21389.6
20°	18325.8	18402.9	18406.2	18490.0	19133.6	19167.2	19056.5	18865.5	18704.6	18674.4
22.5°	15553.6	15670.9	15721.2	15795.0	15862.0	16351.4	16220.7	15912.3	15721.2	15664.2
25°	11675.3	11635.0	11963.6	12566.9	12664.1	12724.5	12691.0	12530.1	12406.0	12429.5
27.5°	8068.4	8138.8	8125.4	8132.1	8772.4	8769.0	8759.0	8618.2	8581.3	8527.7
30°	4511.9	4478.4	4495.1	4451.6	4361.0	4471.7	4294.0	4444.9	4297.4	4344.3
32.5°	2668.3	2644.8	2621.3	2631.4	2564.3	2400.1	2329.7	2433.6	2400.1	2386.7
35°	1702.9	1712.9	1743.1	1739.7	1679.4	1585.5	1485.0	1578.8	1565.4	1525.2
37.5°	1086.1	1086.1	1096.1	1183.3	1133.0	1052.6	982.2	1022.4	1019.0	1012.3
40°	771.0	771.0	784.4	807.8	781.0	740.8	700.6	700.6	707.3	687.2
42.5°	573.2	573.2	586.6	600.0	566.5	553.1	533.0	519.6	536.3	519.6
45°	449.2	445.8	449.2	442.5	422.4	422.4	405.6	385.5	405.6	395.5
47.5°	368.7	365.4	362.0	348.6	328.5	331.9	325.2	308.4	318.4	315.1
50°	321.8	315.1	318.4	305.0	288.3	284.9	284.9	268.2	271.5	271.5
52.5°	281.6	281.6	278.2	271.5	264.8	251.4	254.8	238.0	238.0	238.0
55°	264.8	264.8	258.1	244.7	248.1	238.0	227.9	217.9	214.5	214.5
57.5°	261.5	261.5	258.1	244.7	234.6	231.3	217.9	204.5	194.4	197.8
60°	254.8	254.8	248.1	244.7	227.9	221.2	201.1	191.1	177.7	177.7
62.5°	244.7	241.3	227.9	207.8	207.8	191.1	177.7	157.5	147.5	144.1
65°	207.8	204.5	194.4	177.7	167.6	157.5	137.4	117.3	110.6	100.6
67.5°	171.0	171.0	164.3	147.5	140.8	127.4	103.9	90.5	73.7	67.0
70°	140.8	140.8	134.1	124.0	117.3	100.6	80.4	67.0	50.3	43.6
72.5°	114.0	114.0	107.3	100.6	93.9	83.8	67.0	50.3	33.5	26.8
75°	90.5	90.5	87.2	80.4	73.7	67.0	53.6	40.2	23.5	13.4
77.5°	73.7	73.7	70.4	67.0	60.3	53.6	43.6	33.5	16.8	6.7
80°	57.0	57.0	57.0	57.0	50.3	43.6	36.9	26.8	13.4	3.4
82.5°	40.2	40.2	43.6	50.3	40.2	33.5	33.5	26.8	10.1	3.4
85°	26.8	30.2	33.5	30.2	26.8	26.8	46.9	43.6	10.1	3.4
87.5°	13.4	13.4	13.4	13.4	13.4	10.1	13.4	10.1	6.7	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°
55577.4
55158.4
54625.4
53579.6
52017.5
49664.3
47083.2
44197.1
40714.3
37724.2
34791.2
28006.6
23809.8
21104.7
18480.0
15459.8
12349.0
8333.3
4401.3
2353.2
1481.6
998.9
680.5
516.2
395.5
315.1
274.9
238.0
211.2
197.8
167.6
137.4
97.2
63.7
40.2
23.5
10.1
6.7
3.4
3.4
3.4
0.0
0.0

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