

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: P636162

Luminaire Tested: **IFLD-S-SA3A-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636162
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8426.6 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

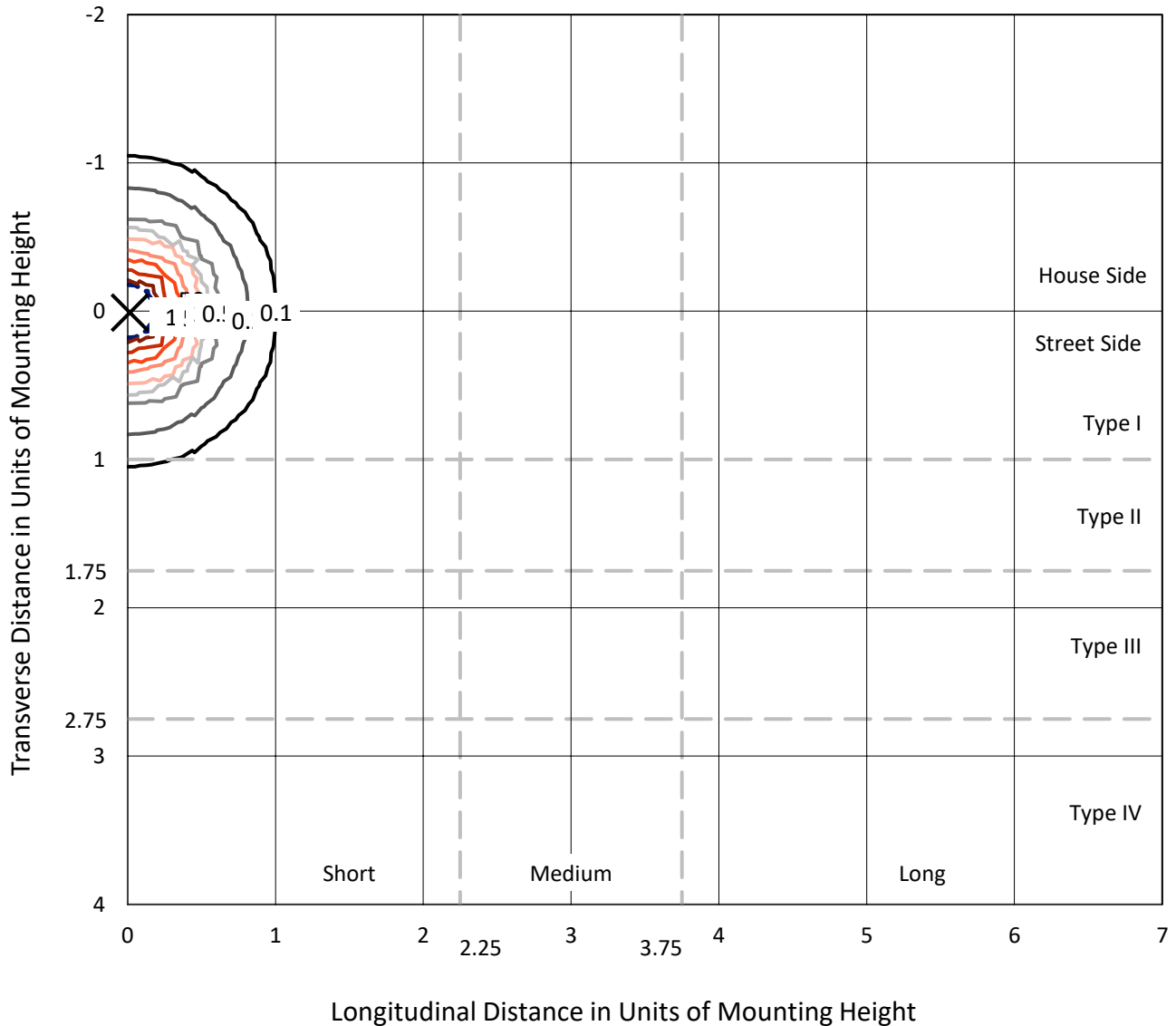
Input Watts (W): 94.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

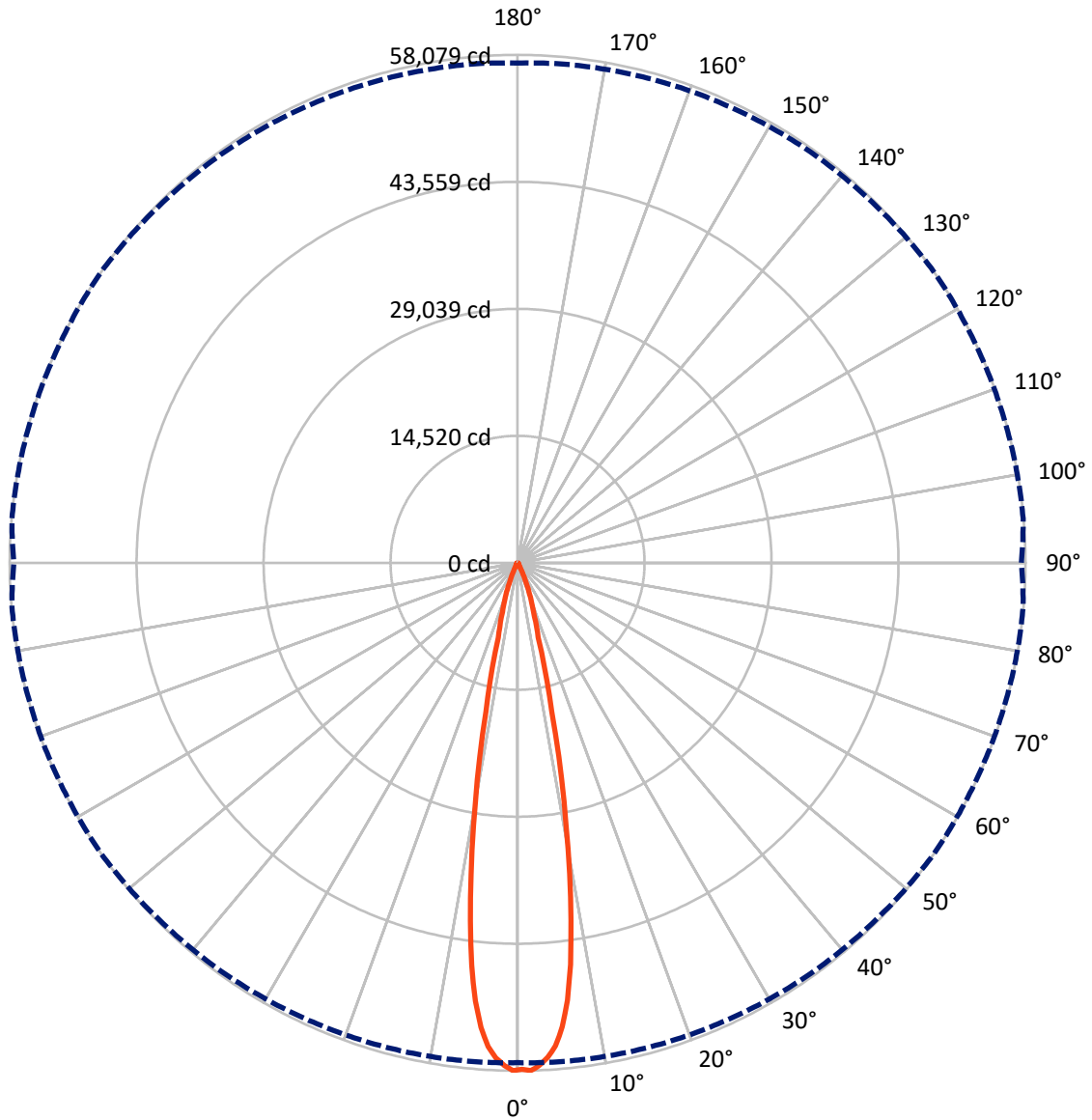
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 144.8 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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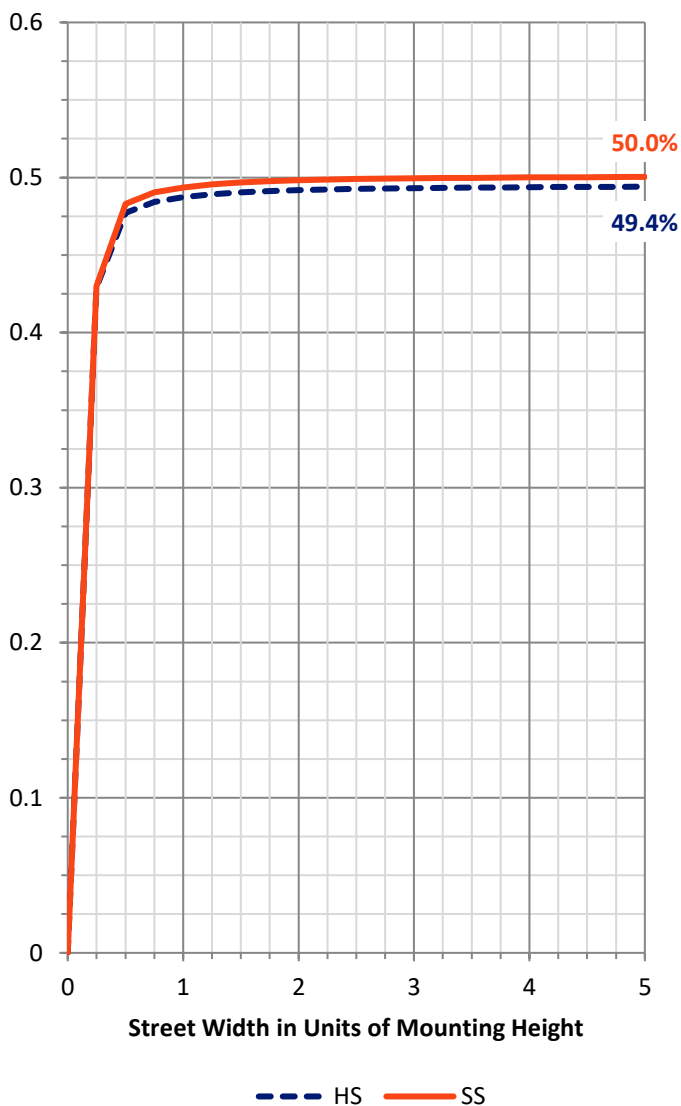
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4213.3	0.0	4213.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4213.3	0.0	4213.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8426.6	0.0	8426.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4281.3	50.8
10°-20°	3034.2	36.0
20°-30°	711.0	8.4
30°-40°	148.6	1.8
40°-50°	95.9	1.1
50°-60°	71.0	0.8
60°-70°	48.3	0.6
70°-80°	25.8	0.3
80°-90°	10.6	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°	8426.6	100.0
0°-180°	8426.6	100.0

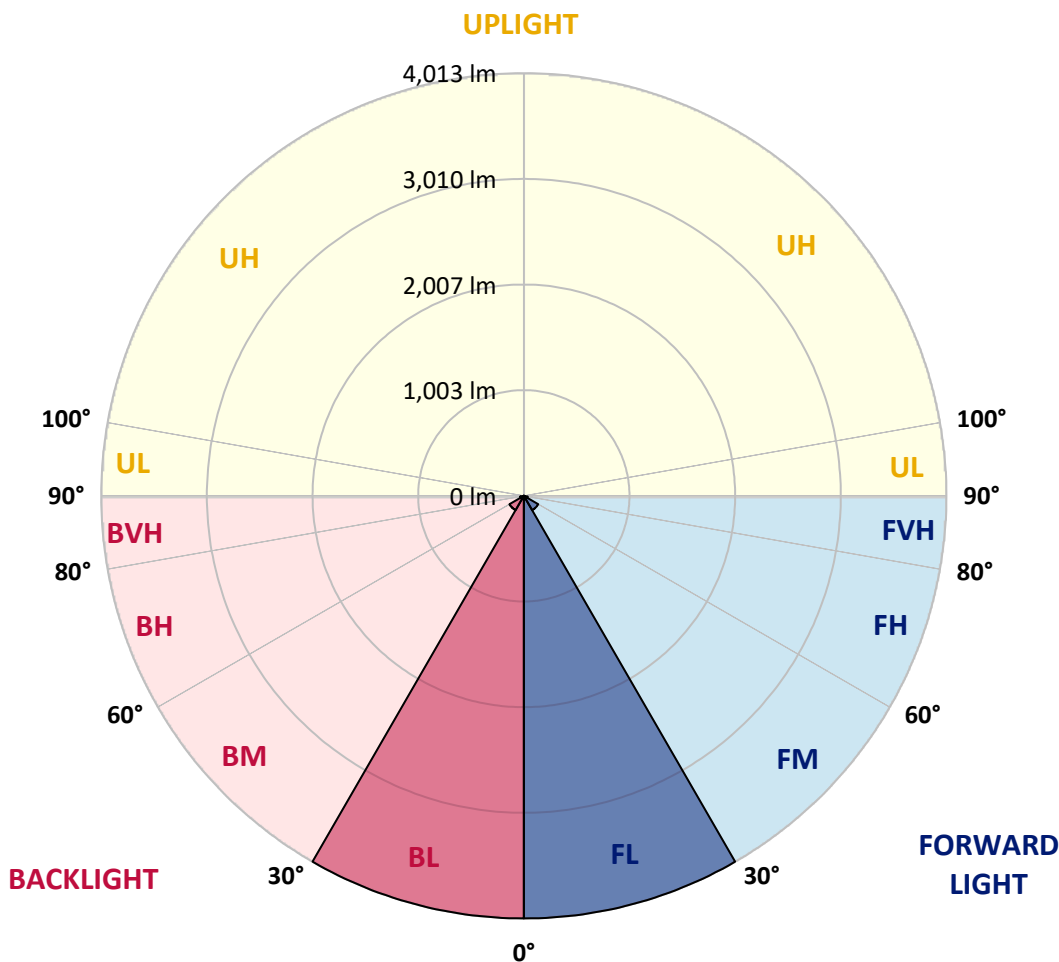


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4013.3	47.6			
FM (30°-60°)	157.7	1.9			
FH (60°-80°)	37.0	0.4			G0/660
FVH (80°-90°)	5.3	0.1			G0/10
BL (0°-30°)	4013.3	47.6	B4/5000		
BM (30°-60°)	157.7	1.9	B0/220		
BH (60°-80°)	37.0	0.4	B0/110		G0/660
BVH (80°-90°)	5.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	57929.6	57929.6	57929.6	57929.6	57929.6	57929.6	57929.6	57929.6	57929.6	57929.6
1°	57150.2	57256.0	57385.6	57503.4	57680.7	57825.3	58078.6	58025.0	58017.5	58027.9
2°	56043.0	56175.6	56375.3	56493.0	56950.5	57138.3	57521.3	57634.5	57543.6	57646.4
3°	54384.3	54493.1	54806.1	55037.0	55630.2	56136.8	56649.5	56819.4	56713.6	56761.2
4°	52409.8	52521.5	52900.1	53371.0	54227.9	54789.7	55403.6	55555.6	55209.9	55233.8
5°	50059.7	50111.8	50575.3	51004.5	52029.8	52710.8	53293.5	53341.2	53025.2	52904.5
6°	47416.0	47322.1	47748.4	47930.2	49204.3	49898.7	50325.0	50269.8	50029.9	49927.1
7°	44274.6	44146.5	44490.7	44392.4	45520.5	45916.9	46326.7	46138.9	45948.2	46185.1
8°	40640.0	40568.4	40346.4	40748.8	40972.3	41327.0	41325.5	41216.7	41210.7	41605.6
9°	35355.6	36015.8	35820.6	36242.3	36185.7	36169.3	36060.5	35990.5	35692.4	36146.9
10°	29552.7	29984.8	30314.2	30943.1	30820.9	30993.7	30388.7	30491.5	30293.3	30668.9
12.5°	15297.2	15783.0	16067.6	16547.5	17075.0	17614.5	17440.1	17259.8	16990.1	17320.9
15°	7530.1	7722.4	7813.3	8300.6	8676.1	8811.7	8832.6	8673.1	8604.6	8676.1
17.5°	4621.2	4688.3	4952.0	5512.3	5837.2	5917.7	5865.5	5691.2	5496.0	5414.0
20°	3345.6	3364.9	3464.8	3573.6	4007.2	4233.7	4150.3	3978.9	3798.6	3713.6
22.5°	2184.7	2204.0	2236.8	2296.4	2412.7	2692.8	2601.9	2485.7	2363.5	2338.2
25°	1236.9	1236.9	1271.2	1332.3	1418.7	1439.6	1457.4	1333.8	1277.1	1251.8
27.5°	690.0	694.4	701.9	725.7	769.0	764.5	745.1	712.3	673.6	633.3
30°	381.5	386.0	390.4	396.4	403.9	390.4	378.5	372.6	356.2	351.7
32.5°	286.1	286.1	289.1	287.6	280.2	263.8	256.3	265.3	263.8	256.3
35°	235.5	235.5	238.4	244.4	229.5	217.6	211.6	223.5	223.5	219.1
37.5°	192.2	193.7	195.2	202.7	198.2	184.8	183.3	186.3	187.8	186.3
40°	168.4	166.9	166.9	168.4	165.4	162.4	159.5	158.0	159.5	158.0
42.5°	146.0	144.6	147.5	144.6	138.6	140.1	140.1	135.6	137.1	134.1
45°	128.2	126.7	128.2	125.2	120.7	122.2	122.2	116.2	116.2	114.7
47.5°	113.3	113.3	113.3	114.7	107.3	105.8	107.3	105.8	101.3	99.8
50°	98.4	99.8	101.3	104.3	96.9	93.9	93.9	93.9	90.9	89.4
52.5°	90.9	92.4	92.4	92.4	87.9	84.9	84.9	83.5	82.0	80.5
55°	87.9	87.9	87.9	82.0	80.5	79.0	74.5	73.0	71.5	71.5
57.5°	83.5	83.5	82.0	77.5	73.0	73.0	67.1	65.6	64.1	64.1
60°	74.5	74.5	74.5	73.0	67.1	65.6	59.6	56.6	55.1	55.1
62.5°	68.6	68.6	68.6	62.6	61.1	56.6	52.2	47.7	46.2	43.2
65°	62.6	62.6	62.6	56.6	53.6	49.2	43.2	38.7	35.8	31.3
67.5°	58.1	58.1	56.6	52.2	47.7	41.7	35.8	31.3	25.3	22.4
70°	50.7	50.7	49.2	46.2	41.7	37.3	29.8	23.8	19.4	14.9
72.5°	43.2	43.2	41.7	38.7	35.8	31.3	25.3	20.9	13.4	10.4
75°	35.8	35.8	34.3	31.3	29.8	26.8	22.4	16.4	10.4	4.5
77.5°	29.8	29.8	28.3	26.8	25.3	22.4	19.4	13.4	7.5	3.0
80°	22.4	23.8	23.8	23.8	20.9	19.4	17.9	13.4	6.0	1.5
82.5°	16.4	17.9	17.9	17.9	16.4	14.9	16.4	11.9	6.0	1.5
85°	11.9	11.9	13.4	13.4	13.4	13.4	17.9	13.4	4.5	1.5
87.5°	6.0	6.0	6.0	6.0	6.0	7.5	8.9	7.5	3.0	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°
57929.6
57612.2
57256.0
56403.6
54879.1
52652.7
49696.1
46112.1
40510.3
35299.0
29706.2
16425.3
8342.3
5299.2
3648.1
2286.0
1230.9
634.8
351.7
251.8
217.6
186.3
159.5
135.6
114.7
99.8
87.9
79.0
70.0
64.1
53.6
40.2
31.3
20.9
14.9
8.9
4.5
1.5
1.5
1.5
1.5
0.0
0.0

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