

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: P636157

Luminaire Tested: **IFLD-S-SA2A-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636157
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5654.4 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

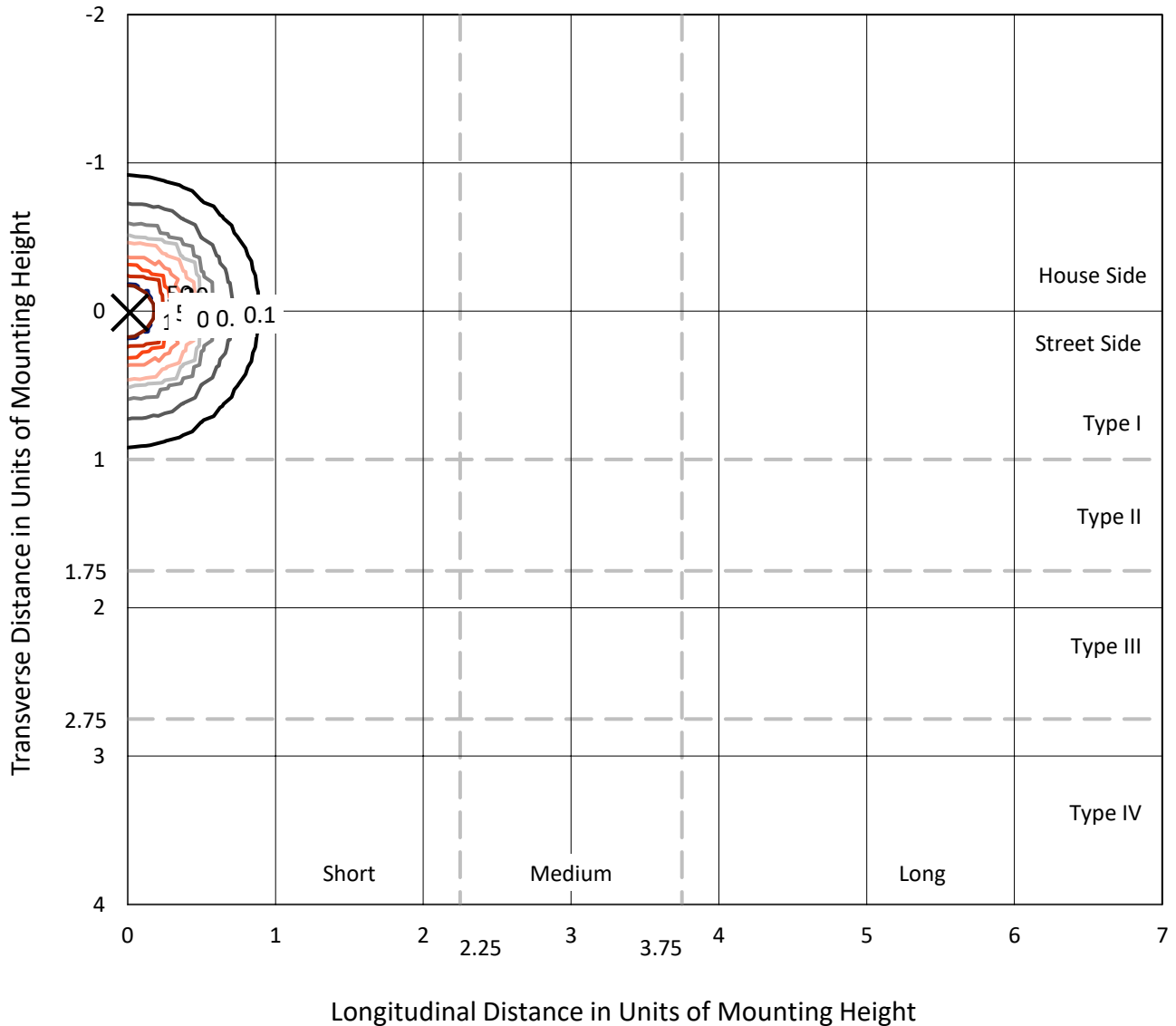
Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

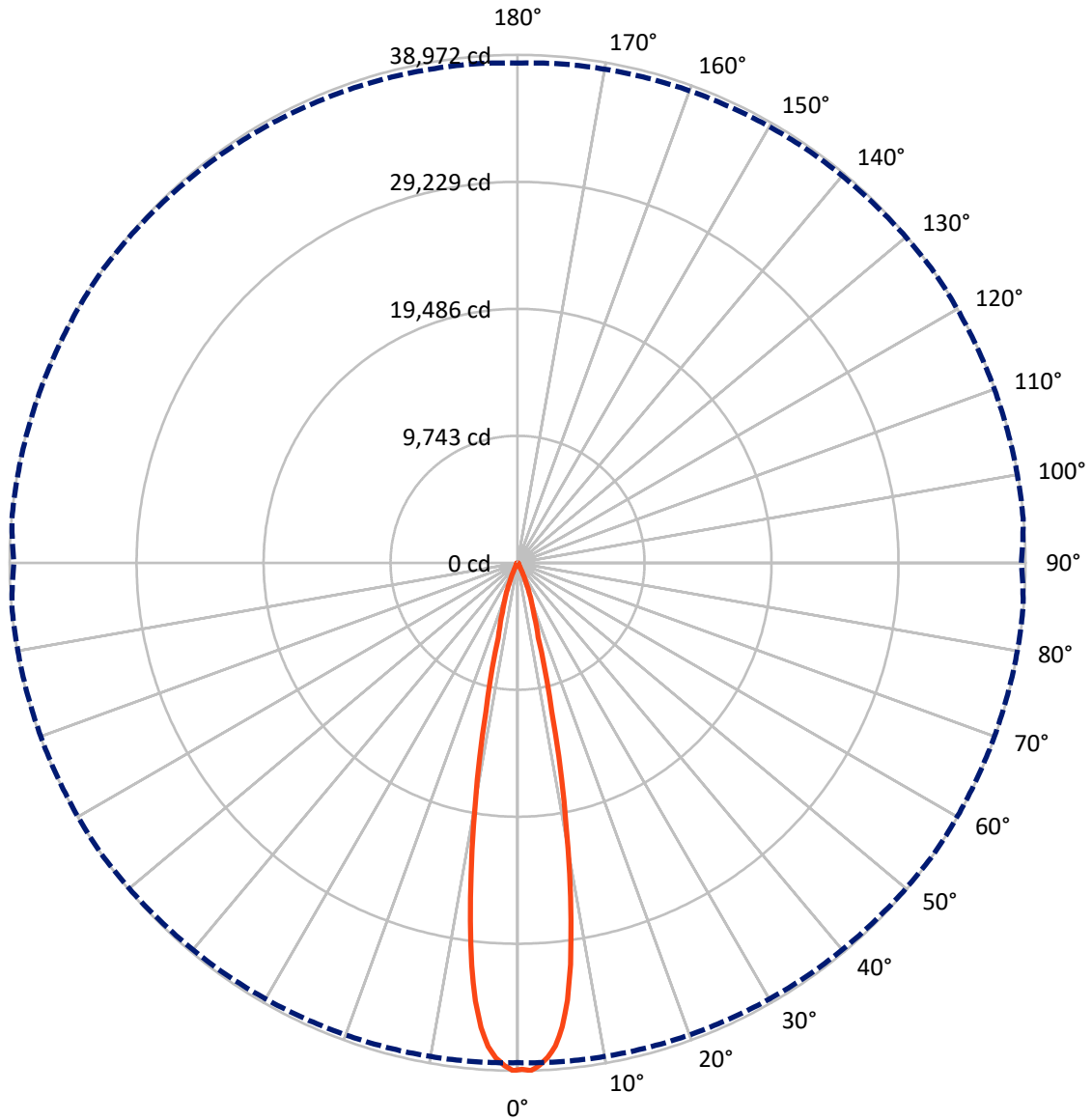
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 97.2 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	2827.2	0.0	2827.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2827.2	0.0	2827.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5654.4	0.0	5654.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2872.8	50.8
10°-20°	2036.0	36.0
20°-30°	477.1	8.4
30°-40°	99.7	1.8
40°-50°	64.3	1.1
50°-60°	47.6	0.8
60°-70°	32.4	0.6
70°-80°	17.3	0.3
80°-90°	7.1	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°	5654.4	100.0
0°-180°	5654.4	100.0

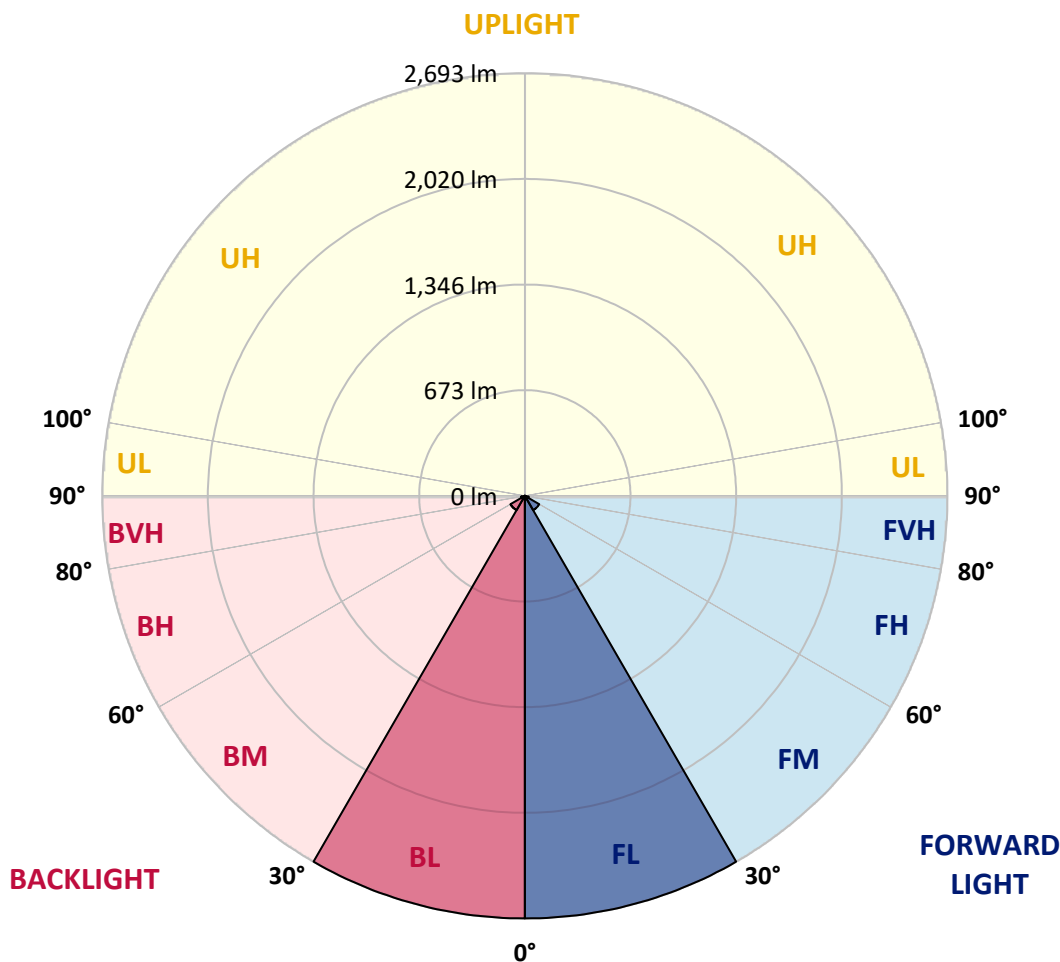


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2693.0	47.6			
FM (30°-60°)	105.8	1.9			
FH (60°-80°)	24.8	0.4			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	2693.0	47.6	B4/5000		
BM (30°-60°)	105.8	1.9	B0/220		
BH (60°-80°)	24.8	0.4	B0/110		G0/660
BVH (80°-90°)	3.5	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°	38871.8	38871.8	38871.8	38871.8	38871.8	38871.8	38871.8	38871.8	38871.8	38871.8
1°	38348.8	38419.8	38506.8	38585.8	38704.8	38801.8	38971.8	38935.8	38930.8	38937.8
2°	37605.8	37694.8	37828.8	37907.8	38214.8	38340.8	38597.8	38673.8	38612.8	38681.8
3°	36492.9	36565.9	36775.9	36930.9	37328.8	37668.8	38012.8	38126.8	38055.8	38087.8
4°	35167.9	35242.9	35496.9	35812.9	36387.9	36764.9	37176.8	37278.8	37046.9	37062.9
5°	33591.0	33626.0	33936.9	34224.9	34912.9	35369.9	35760.9	35792.9	35580.9	35499.9
6°	31817.0	31754.0	32040.0	32162.0	33017.0	33483.0	33769.0	33732.0	33571.0	33502.0
7°	29709.1	29623.1	29854.1	29788.1	30545.1	30811.0	31086.0	30960.0	30832.0	30991.0
8°	27270.2	27222.2	27073.2	27343.2	27493.1	27731.1	27730.1	27657.1	27653.1	27918.1
9°	23724.3	24167.3	24036.3	24319.2	24281.2	24270.2	24197.2	24150.3	23950.3	24255.2
10°	19830.4	20120.4	20341.4	20763.4	20681.4	20797.4	20391.4	20460.4	20327.4	20579.4
12.5°	10264.7	10590.7	10781.7	11103.7	11457.6	11819.6	11702.6	11581.6	11400.6	11622.6
15°	5052.8	5181.8	5242.8	5569.8	5821.8	5912.8	5926.8	5819.8	5773.8	5821.8
17.5°	3100.9	3145.9	3322.9	3698.9	3916.9	3970.9	3935.9	3818.9	3687.9	3632.9
20°	2244.9	2257.9	2324.9	2397.9	2688.9	2840.9	2784.9	2669.9	2548.9	2491.9
22.5°	1466.0	1479.0	1501.0	1541.0	1618.9	1806.9	1745.9	1667.9	1586.0	1569.0
25°	830.0	830.0	853.0	894.0	952.0	966.0	978.0	895.0	857.0	840.0
27.5°	463.0	466.0	471.0	487.0	516.0	513.0	500.0	478.0	452.0	425.0
30°	256.0	259.0	262.0	266.0	271.0	262.0	254.0	250.0	239.0	236.0
32.5°	192.0	192.0	194.0	193.0	188.0	177.0	172.0	178.0	177.0	172.0
35°	158.0	158.0	160.0	164.0	154.0	146.0	142.0	150.0	150.0	147.0
37.5°	129.0	130.0	131.0	136.0	133.0	124.0	123.0	125.0	126.0	125.0
40°	113.0	112.0	112.0	113.0	111.0	109.0	107.0	106.0	107.0	106.0
42.5°	98.0	97.0	99.0	97.0	93.0	94.0	94.0	91.0	92.0	90.0
45°	86.0	85.0	86.0	84.0	81.0	82.0	82.0	78.0	78.0	77.0
47.5°	76.0	76.0	76.0	77.0	72.0	71.0	72.0	71.0	68.0	67.0
50°	66.0	67.0	68.0	70.0	65.0	63.0	63.0	63.0	61.0	60.0
52.5°	61.0	62.0	62.0	62.0	59.0	57.0	57.0	56.0	55.0	54.0
55°	59.0	59.0	59.0	55.0	54.0	53.0	50.0	49.0	48.0	48.0
57.5°	56.0	56.0	55.0	52.0	49.0	49.0	45.0	44.0	43.0	43.0
60°	50.0	50.0	50.0	49.0	45.0	44.0	40.0	38.0	37.0	37.0
62.5°	46.0	46.0	46.0	42.0	41.0	38.0	35.0	32.0	31.0	29.0
65°	42.0	42.0	42.0	38.0	36.0	33.0	29.0	26.0	24.0	21.0
67.5°	39.0	39.0	38.0	35.0	32.0	28.0	24.0	21.0	17.0	15.0
70°	34.0	34.0	33.0	31.0	28.0	25.0	20.0	16.0	13.0	10.0
72.5°	29.0	29.0	28.0	26.0	24.0	21.0	17.0	14.0	9.0	7.0
75°	24.0	24.0	23.0	21.0	20.0	18.0	15.0	11.0	7.0	3.0
77.5°	20.0	20.0	19.0	18.0	17.0	15.0	13.0	9.0	5.0	2.0
80°	15.0	16.0	16.0	16.0	14.0	13.0	12.0	9.0	4.0	1.0
82.5°	11.0	12.0	12.0	12.0	11.0	10.0	11.0	8.0	4.0	1.0
85°	8.0	8.0	9.0	9.0	9.0	9.0	12.0	9.0	3.0	1.0
87.5°	4.0	4.0	4.0	4.0	4.0	5.0	6.0	5.0	2.0	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°
38871.8
38658.8
38419.8
37847.8
36824.9
35330.9
33347.0
30942.0
27183.2
23686.3
19933.4
11021.7
5597.8
3555.9
2447.9
1534.0
826.0
426.0
236.0
169.0
146.0
125.0
107.0
91.0
77.0
67.0
59.0
53.0
47.0
43.0
36.0
27.0
21.0
14.0
10.0
6.0
3.0
1.0
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