

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: P636023

Luminaire Tested: **IFLD-S-SA6B-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636023
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20299.5 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

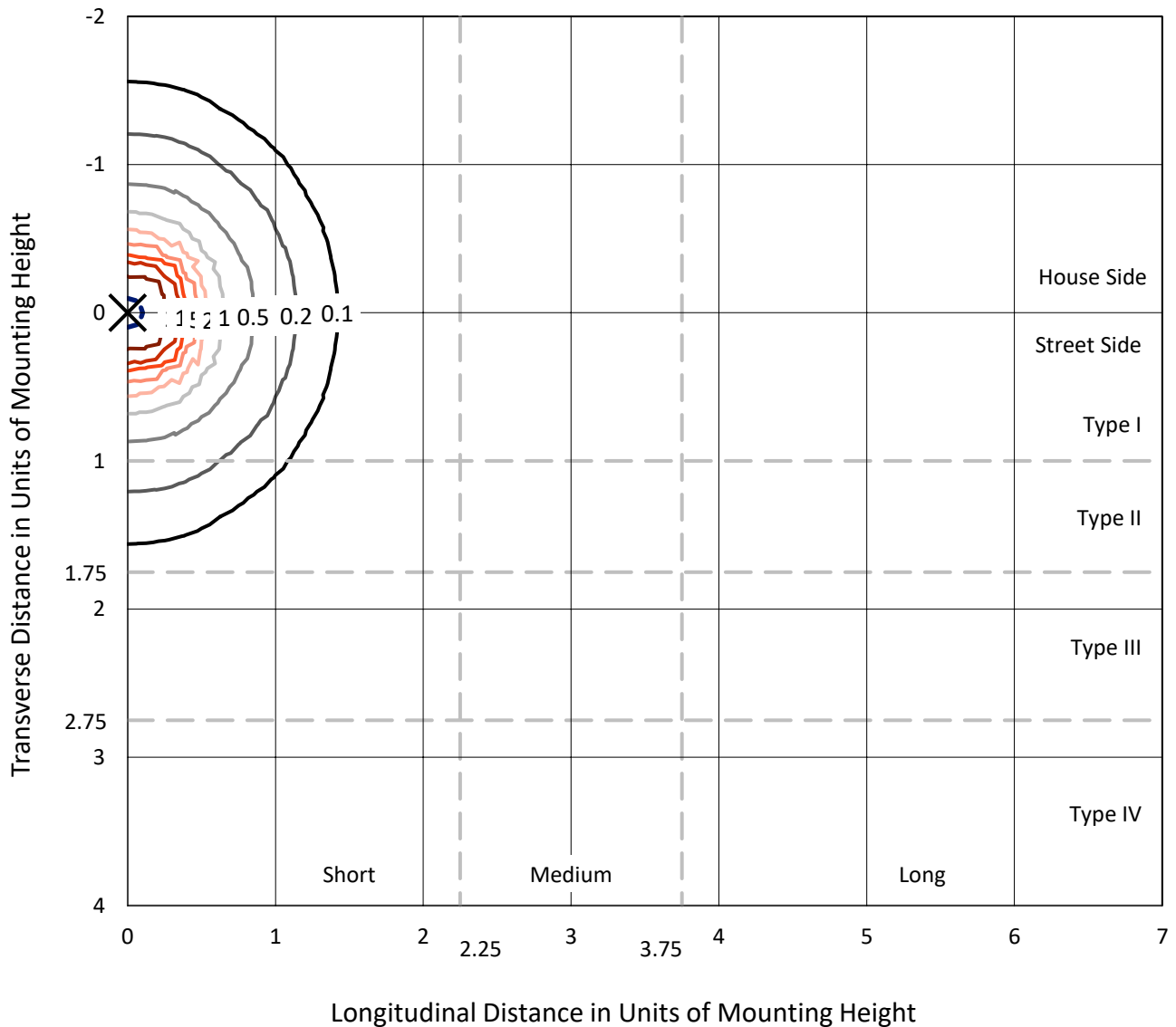
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

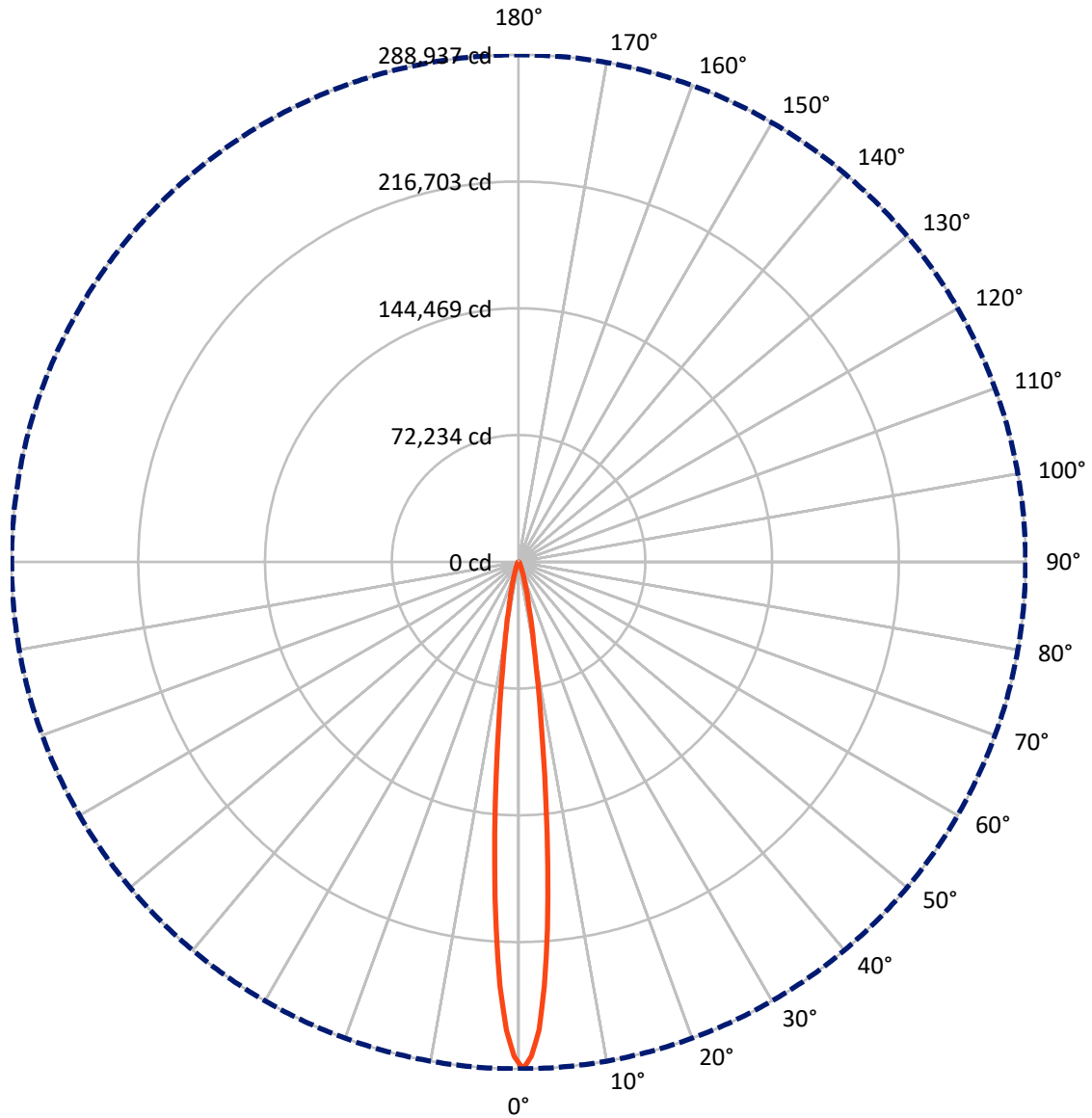
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 722.3 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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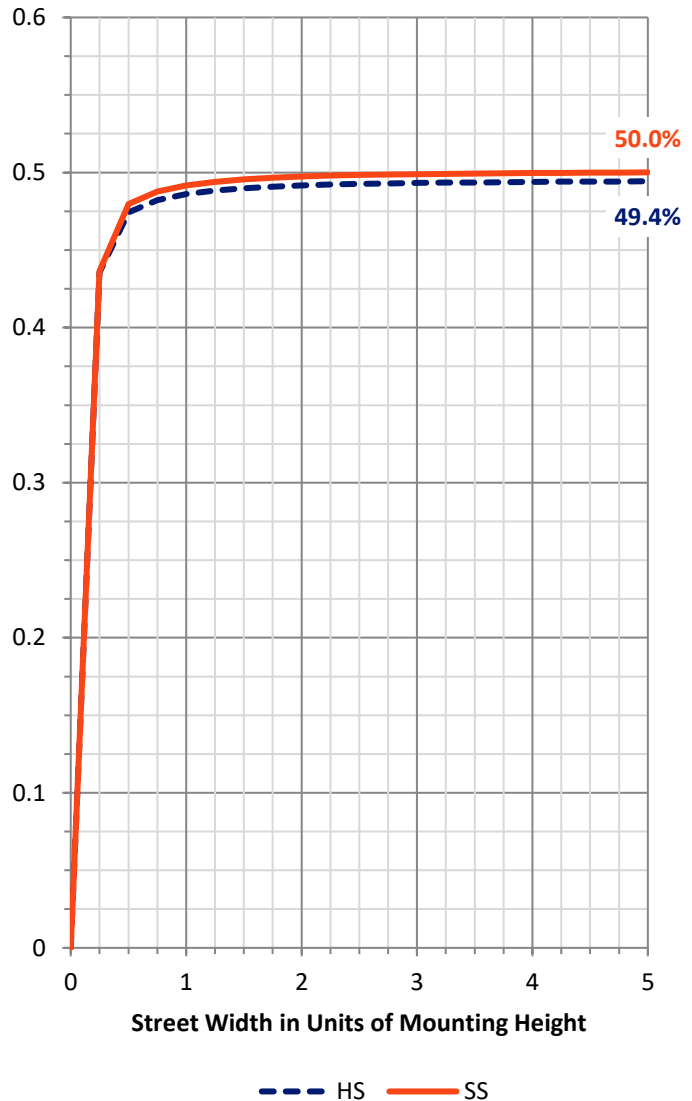
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10149.8	0.0	10149.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10149.8	0.0	10149.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	20299.5	0.0	20299.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12374.2	61.0
10°-20°	5543.7	27.3
20°-30°	1238.0	6.1
30°-40°	404.1	2.0
40°-50°	278.7	1.4
50°-60°	210.5	1.0
60°-70°	144.1	0.7
70°-80°	75.9	0.4
80°-90°	30.3	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°	20299.5	100.0
0°-180°	20299.5	100.0

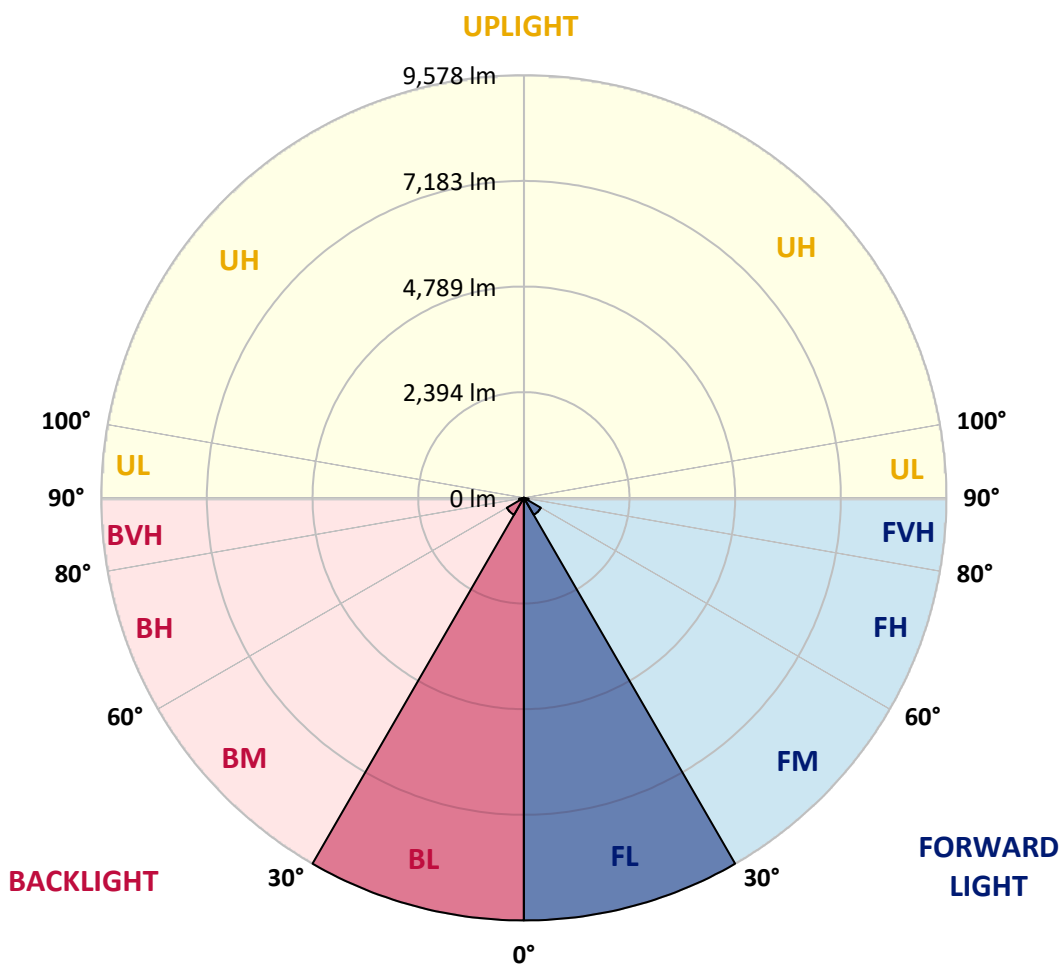


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9578.0	47.2			
FM (30°-60°)	446.7	2.2			
FH (60°-80°)	110.0	0.5			G0/660
FVH (80°-90°)	15.1	0.1			G1/100
BL (0°-30°)	9578.0	47.2	B5		
BM (30°-60°)	446.7	2.2	B1/1000		
BH (60°-80°)	110.0	0.5	B0/110		G0/660
BVH (80°-90°)	15.1	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°	288937.1	288937.1	288937.1	288937.1	288937.1	288937.1	288937.1	288937.1	288937.1	288937.1
1°	281763.5	282146.8	281720.1	283875.1	284764.6	285227.4	285281.6	286496.5	285560.0	285820.4
2°	266913.7	267767.0	266338.8	267720.0	270482.4	271527.4	269824.3	271928.7	271176.6	271614.1
3°	241961.5	243006.4	241032.2	242720.8	246275.1	247070.5	244279.2	247269.4	247193.5	247822.6
4°	209799.5	211495.3	208675.0	210674.5	212247.4	215017.0	212312.4	215714.8	215649.8	216741.7
5°	173291.4	175124.6	172673.1	174748.6	176238.2	177268.7	176278.0	180042.0	180280.6	181408.7
6°	137567.9	139278.2	136541.1	138522.5	140883.6	141306.6	141049.9	144289.6	145009.1	144130.5
7°	105872.4	106299.0	105868.8	107669.4	109564.1	109632.8	109965.4	112814.6	113447.4	113143.6
8°	81082.9	79130.4	80808.1	81762.7	82348.4	85038.5	85237.4	86672.8	87837.1	87920.3
9°	61720.6	59912.8	61854.4	62234.1	63579.1	65969.1	65669.0	67238.2	67968.6	67921.6
10°	47055.2	46136.8	47109.4	47528.9	48635.3	50660.1	51010.8	51730.3	52272.7	52627.0
12.5°	25534.3	25747.7	26311.7	26752.8	28242.5	28781.3	28998.2	29059.7	29056.1	29113.9
15°	15862.2	16035.8	16429.9	17229.0	18136.5	18805.4	18899.5	18552.3	18252.2	18205.2
17.5°	9892.7	9824.0	10749.6	11624.6	12716.5	13063.7	12702.1	12304.4	11895.8	11660.8
20°	5937.0	5984.0	6298.6	6689.1	7571.4	8171.6	7795.5	7390.6	6967.5	6689.1
22.5°	3373.5	3424.1	3561.5	3764.0	4100.2	4646.2	4407.6	3999.0	3698.9	3576.0
25°	1992.3	1992.3	2075.4	2165.8	2306.8	2433.4	2382.8	2165.8	1988.7	1938.0
27.5°	1290.8	1280.0	1308.9	1352.3	1417.4	1424.6	1366.7	1301.7	1211.3	1178.7
30°	943.7	947.3	943.7	961.8	958.2	932.9	896.7	900.3	864.2	860.5
32.5°	766.5	770.2	770.2	766.5	748.5	708.7	683.4	708.7	701.5	694.2
35°	636.4	640.0	676.1	672.5	643.6	600.2	582.1	611.1	632.8	600.2
37.5°	549.6	553.2	582.1	596.6	560.4	531.5	509.8	535.1	567.7	531.5
40°	484.5	488.1	495.4	499.0	480.9	466.4	455.6	462.8	477.3	459.2
42.5°	426.7	423.0	426.7	423.0	401.3	408.6	401.3	390.5	401.3	386.9
45°	372.4	372.4	372.4	361.6	339.9	354.3	347.1	336.3	339.9	329.0
47.5°	339.9	339.9	339.9	325.4	307.3	307.3	311.0	292.9	296.5	292.9
50°	307.3	307.3	314.6	300.1	285.6	274.8	278.4	263.9	267.6	263.9
52.5°	282.0	282.0	282.0	274.8	263.9	256.7	249.5	242.3	238.6	235.0
55°	271.2	271.2	267.6	245.9	242.3	235.0	220.6	216.9	209.7	206.1
57.5°	253.1	253.1	249.5	231.4	216.9	216.9	195.2	191.6	180.8	180.8
60°	224.2	224.2	220.6	216.9	198.9	188.0	173.6	166.3	155.5	151.9
62.5°	213.3	213.3	206.1	188.0	184.4	166.3	151.9	137.4	130.2	122.9
65°	198.9	195.2	191.6	173.6	159.1	148.2	130.2	112.1	104.9	90.4
67.5°	177.2	177.2	173.6	159.1	144.6	126.6	108.5	94.0	75.9	65.1
70°	155.5	151.9	151.9	137.4	126.6	112.1	86.8	72.3	54.2	43.4
72.5°	130.2	130.2	126.6	115.7	108.5	97.6	75.9	57.9	36.2	28.9
75°	104.9	104.9	101.2	94.0	90.4	79.5	65.1	50.6	28.9	14.5
77.5°	86.8	83.2	83.2	75.9	72.3	65.1	54.2	39.8	21.7	10.8
80°	65.1	65.1	68.7	65.1	57.9	54.2	47.0	36.2	18.1	7.2
82.5°	47.0	47.0	50.6	50.6	50.6	47.0	47.0	36.2	18.1	3.6
85°	32.5	32.5	39.8	36.2	36.2	39.8	57.9	47.0	14.5	3.6
87.5°	18.1	18.1	18.1	14.5	14.5	18.1	21.7	18.1	7.2	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

- 288937.1
- 283907.6
- 270052.1
- 246134.0
- 214825.4
- 179253.8
- 144220.9
- 112727.8
- 86871.7
- 69028.0
- 52836.8
- 29160.9
- 18060.6
- 11624.6
- 6750.6
- 3590.4
- 1930.8
- 1178.7
- 856.9
- 679.8
- 593.0
- 527.9
- 452.0
- 386.9
- 329.0
- 292.9
- 263.9
- 235.0
- 202.5
- 180.8
- 144.6
- 119.3
- 86.8
- 65.1
- 43.4
- 25.3
- 14.5
- 7.2
- 3.6
- 3.6
- 3.6
- 3.6
- 0.0

OF REPORT)