

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: P636160

Luminaire Tested: **IFLD-S-SA2D-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636160
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-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: 9578.6 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

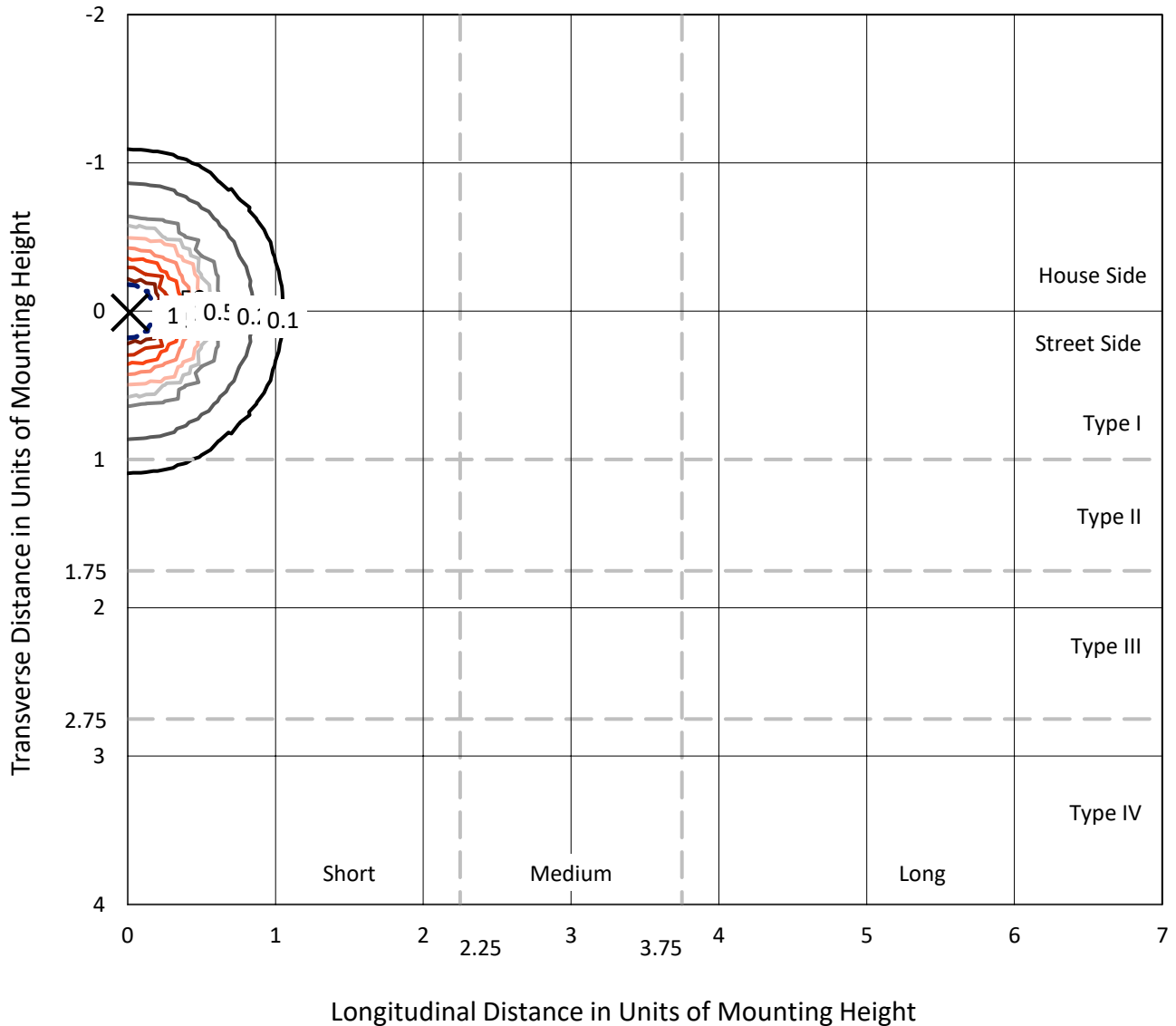
Input Watts (W): 123.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

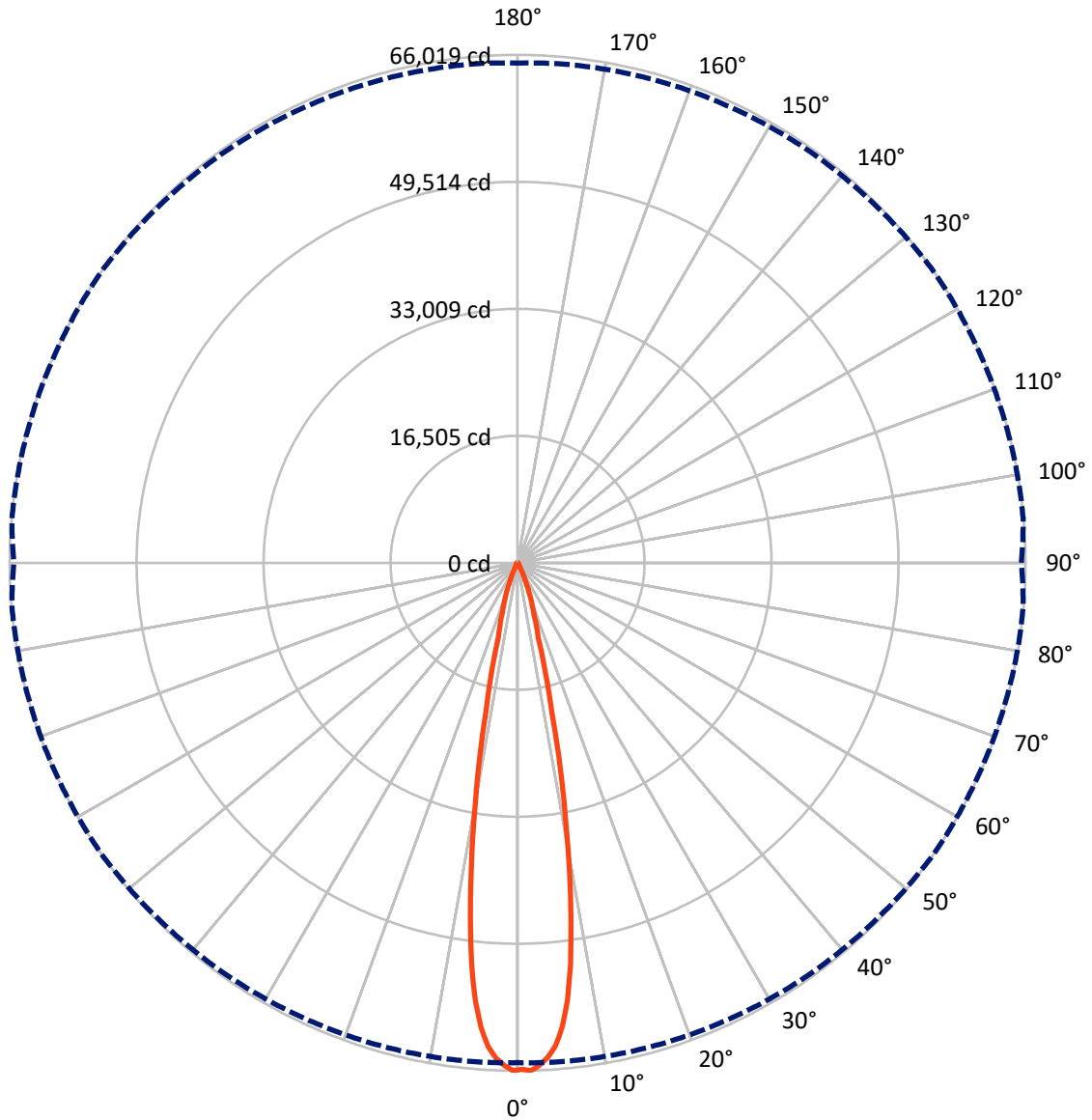
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 164.6 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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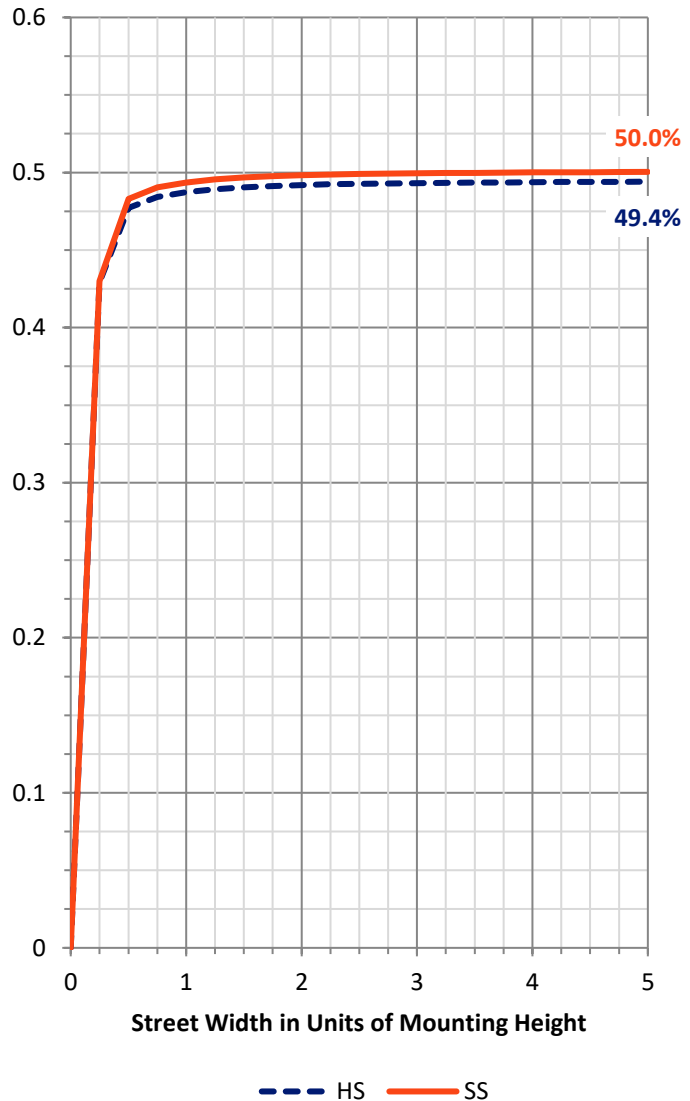
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4789.3	0.0	4789.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4789.3	0.0	4789.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	9578.6	0.0	9578.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4866.7	50.8
10°-20°	3449.0	36.0
20°-30°	808.2	8.4
30°-40°	168.9	1.8
40°-50°	109.0	1.1
50°-60°	80.7	0.8
60°-70°	54.9	0.6
70°-80°	29.3	0.3
80°-90°	12.0	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°	9578.6	100.0
0°-180°	9578.6	100.0

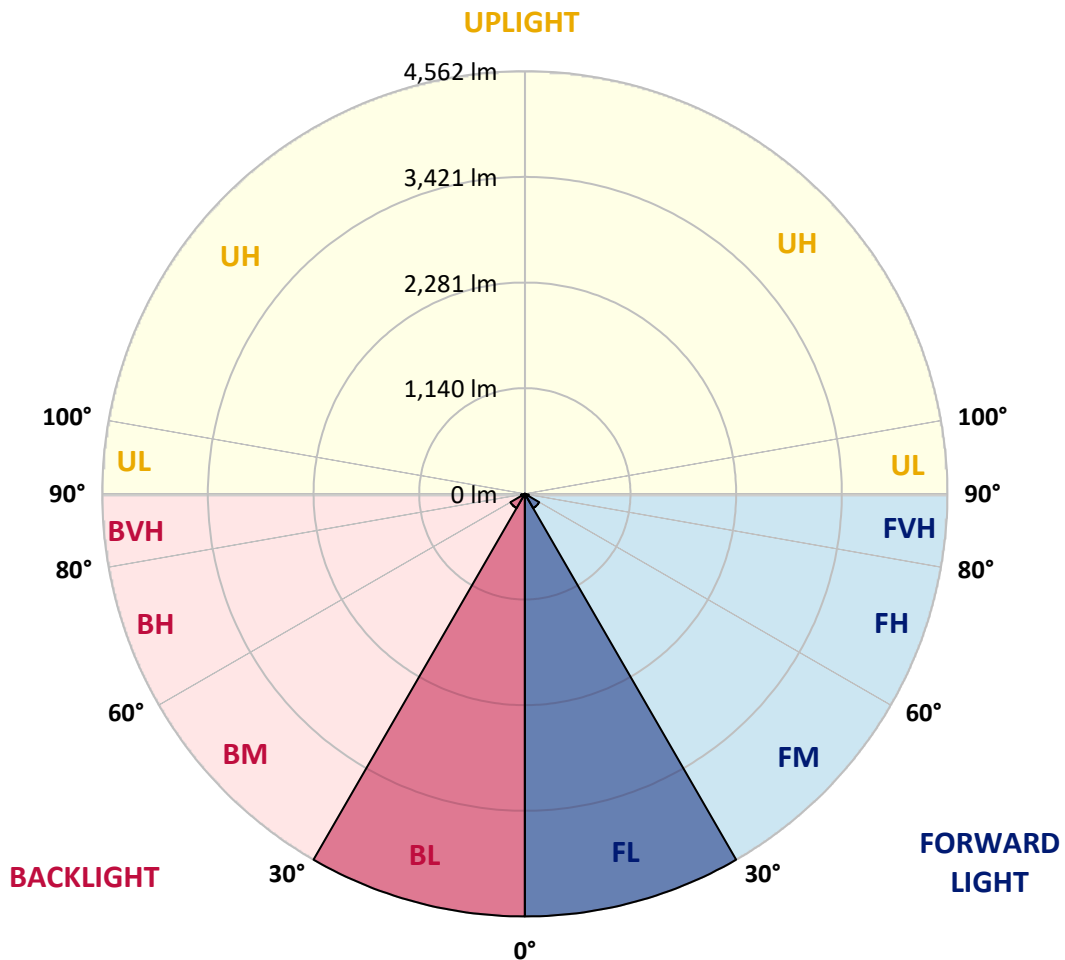


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4561.9	47.6			
FM (30°-60°)	179.3	1.9			
FH (60°-80°)	42.1	0.4			G0/660
FVH (80°-90°)	6.0	0.1			G0/10
BL (0°-30°)	4561.9	47.6	B4/5000		
BM (30°-60°)	179.3	1.9	B0/220		
BH (60°-80°)	42.1	0.4	B0/110		G0/660
BVH (80°-90°)	6.0	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°	65849.4	65849.4	65849.4	65849.4	65849.4	65849.4	65849.4	65849.4	65849.4	65849.4
1°	64963.5	65083.8	65231.1	65365.0	65566.5	65730.9	66018.8	65957.8	65949.4	65961.2
2°	63704.9	63855.6	64082.6	64216.4	64736.5	64949.9	65385.3	65514.0	65410.7	65527.6
3°	61819.5	61943.2	62298.9	62561.4	63235.6	63811.6	64394.3	64587.4	64467.2	64521.4
4°	59575.0	59702.0	60132.3	60667.6	61641.6	62280.2	62978.2	63150.9	62757.9	62785.0
5°	56903.6	56962.9	57489.7	57977.6	59143.0	59917.2	60579.5	60633.7	60274.6	60137.4
6°	53898.5	53791.8	54276.3	54482.9	55931.3	56720.7	57205.1	57142.5	56869.7	56752.8
7°	50327.6	50182.0	50573.3	50461.5	51743.8	52194.4	52660.2	52446.8	52230.0	52499.3
8°	46196.1	46114.8	45862.4	46319.7	46573.8	46977.0	46975.3	46851.6	46844.9	47293.8
9°	40189.3	40939.7	40717.8	41197.2	41132.8	41114.2	40990.5	40910.9	40572.1	41088.8
10°	33593.0	34084.2	34458.6	35173.5	35034.5	35231.0	34543.3	34660.2	34434.9	34861.8
12.5°	17388.5	17940.8	18264.3	18809.8	19409.4	20022.6	19824.5	19619.5	19312.9	19688.9
15°	8559.6	8778.1	8881.4	9435.4	9862.3	10016.4	10040.1	9858.9	9780.9	9862.3
17.5°	5253.0	5329.2	5629.0	6266.0	6635.3	6726.7	6667.4	6469.2	6247.3	6154.2
20°	3802.9	3825.0	3938.5	4062.1	4555.1	4812.5	4717.7	4522.9	4317.9	4221.4
22.5°	2483.3	2505.4	2542.6	2610.4	2742.5	3061.0	2957.7	2825.5	2686.6	2657.8
25°	1406.0	1406.0	1445.0	1514.4	1612.7	1636.4	1656.7	1516.1	1451.7	1422.9
27.5°	784.3	789.4	797.9	825.0	874.1	869.0	847.0	809.7	765.7	719.9
30°	433.7	438.7	443.8	450.6	459.1	443.8	430.3	423.5	404.9	399.8
32.5°	325.2	325.2	328.6	326.9	318.5	299.8	291.4	301.5	299.8	291.4
35°	267.6	267.6	271.0	277.8	260.9	247.3	240.5	254.1	254.1	249.0
37.5°	218.5	220.2	221.9	230.4	225.3	210.1	208.4	211.7	213.4	211.7
40°	191.4	189.7	189.7	191.4	188.0	184.6	181.3	179.6	181.3	179.6
42.5°	166.0	164.3	167.7	164.3	157.5	159.2	159.2	154.2	155.8	152.5
45°	145.7	144.0	145.7	142.3	137.2	138.9	138.9	132.1	132.1	130.4
47.5°	128.7	128.7	128.7	130.4	122.0	120.3	122.0	120.3	115.2	113.5
50°	111.8	113.5	115.2	118.6	110.1	106.7	106.7	106.7	103.3	101.6
52.5°	103.3	105.0	105.0	105.0	99.9	96.6	96.6	94.9	93.2	91.5
55°	99.9	99.9	99.9	93.2	91.5	89.8	84.7	83.0	81.3	81.3
57.5°	94.9	94.9	93.2	88.1	83.0	83.0	76.2	74.5	72.8	72.8
60°	84.7	84.7	84.7	83.0	76.2	74.5	67.8	64.4	62.7	62.7
62.5°	77.9	77.9	77.9	71.1	69.5	64.4	59.3	54.2	52.5	49.1
65°	71.1	71.1	71.1	64.4	61.0	55.9	49.1	44.0	40.7	35.6
67.5°	66.1	66.1	64.4	59.3	54.2	47.4	40.7	35.6	28.8	25.4
70°	57.6	57.6	55.9	52.5	47.4	42.3	33.9	27.1	22.0	16.9
72.5°	49.1	49.1	47.4	44.0	40.7	35.6	28.8	23.7	15.2	11.9
75°	40.7	40.7	39.0	35.6	33.9	30.5	25.4	18.6	11.9	5.1
77.5°	33.9	33.9	32.2	30.5	28.8	25.4	22.0	15.2	8.5	3.4
80°	25.4	27.1	27.1	27.1	23.7	22.0	20.3	15.2	6.8	1.7
82.5°	18.6	20.3	20.3	20.3	18.6	16.9	18.6	13.6	6.8	1.7
85°	13.6	13.6	15.2	15.2	15.2	15.2	20.3	15.2	5.1	1.7
87.5°	6.8	6.8	6.8	6.8	6.8	8.5	10.2	8.5	3.4	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°
65849.4
65488.6
65083.8
64114.8
62381.9
59851.1
56490.3
52416.3
46048.7
40124.9
33767.5
18670.9
9482.8
6023.7
4146.8
2598.5
1399.2
721.6
399.8
286.3
247.3
211.7
181.3
154.2
130.4
113.5
99.9
89.8
79.6
72.8
61.0
45.7
35.6
23.7
16.9
10.2
5.1
1.7
1.7
1.7
1.7
0.0
0.0

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