

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: P636224

Luminaire Tested: **IFLD-S-SA3E-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636224
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18652.3 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

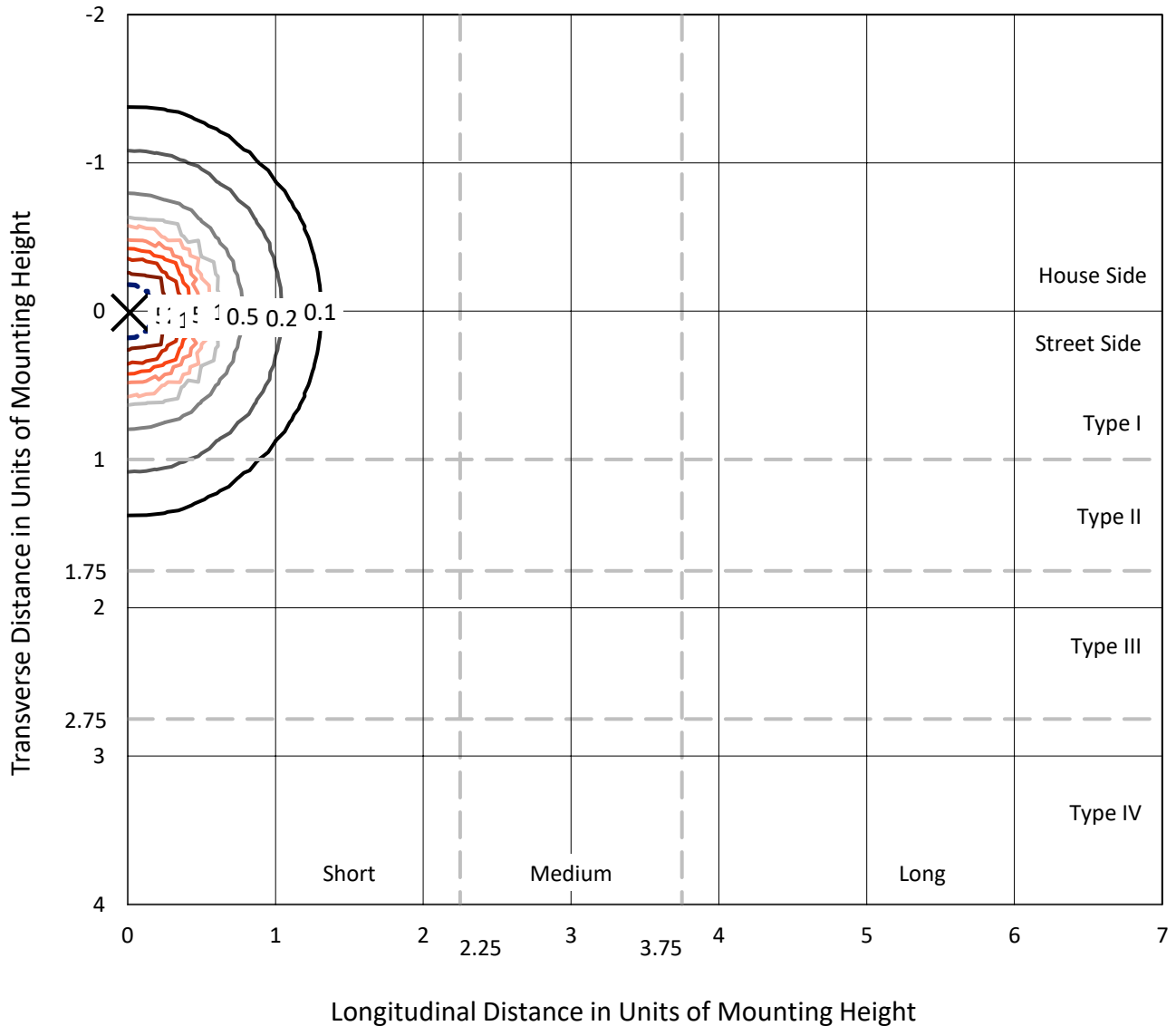
Input Watts (W): 232.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

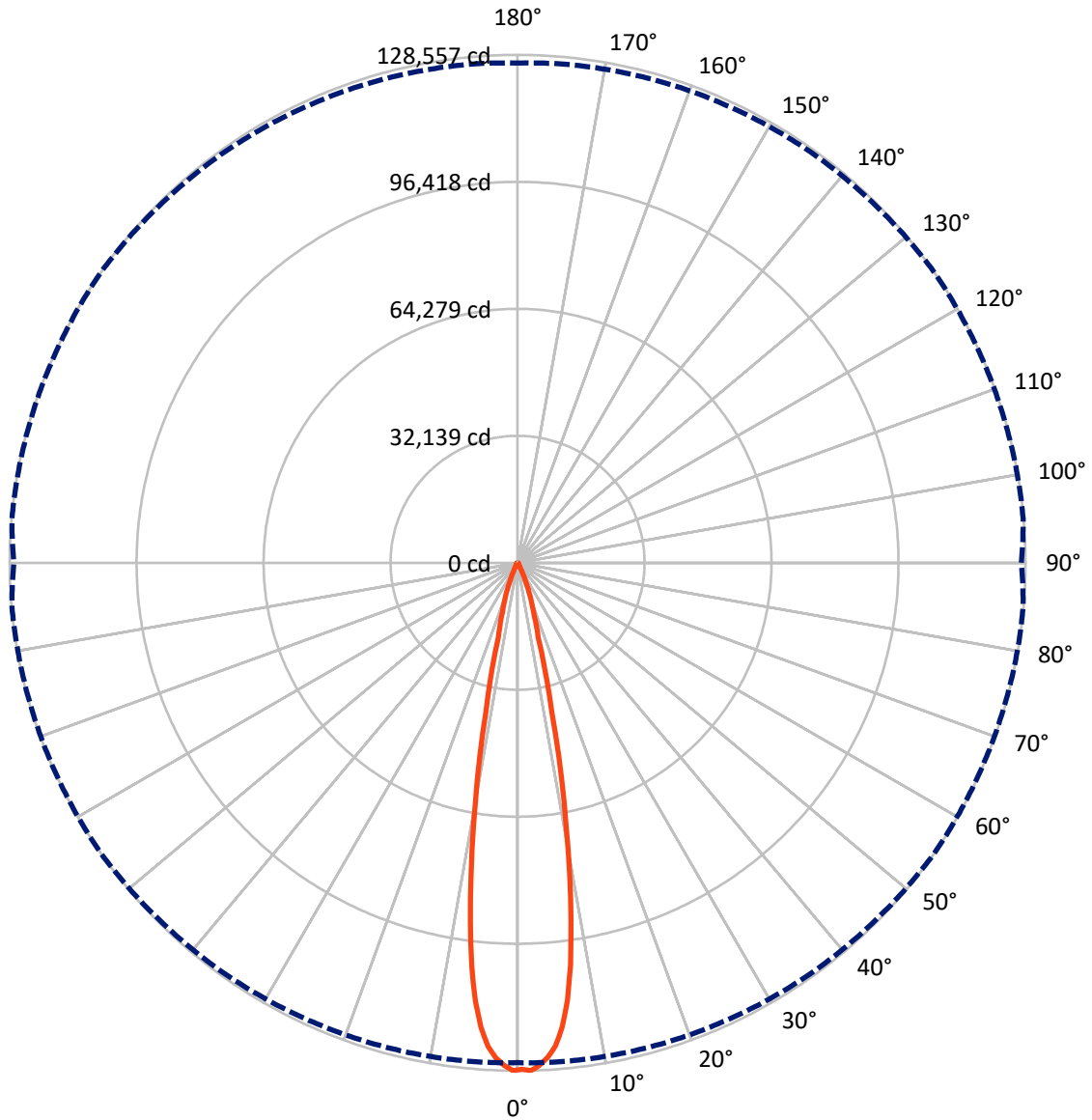
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 320.6 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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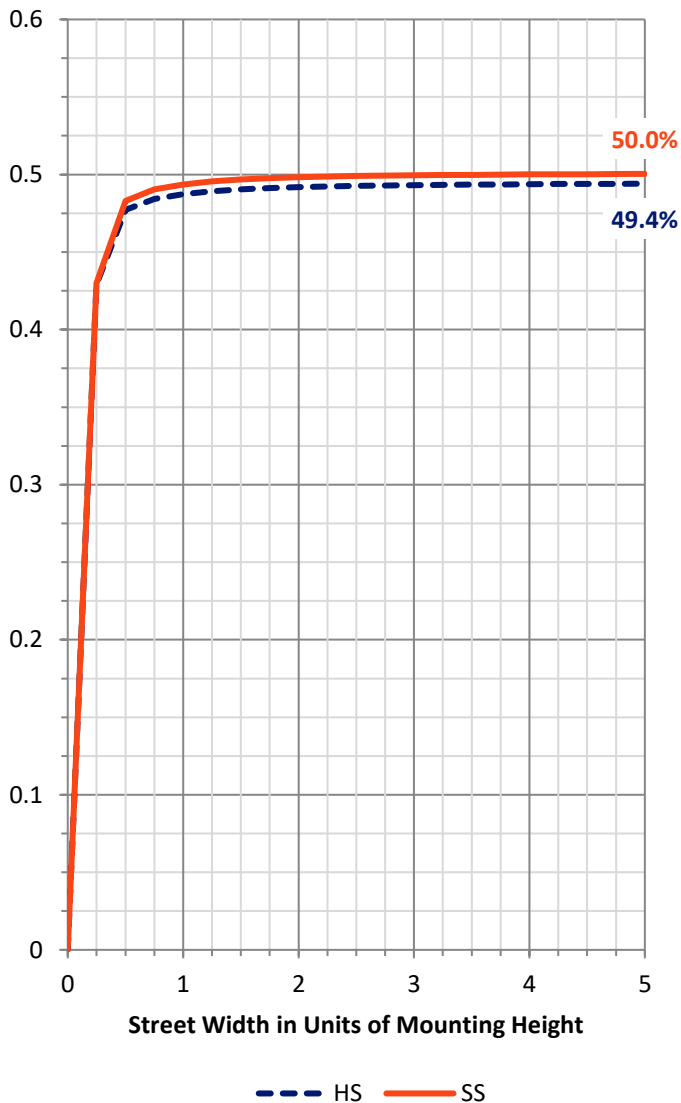
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9326.1	0.0	9326.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9326.1	0.0	9326.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	18652.3	0.0	18652.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9476.8	50.8
10°-20°	6716.3	36.0
20°-30°	1573.7	8.4
30°-40°	328.9	1.8
40°-50°	212.2	1.1
50°-60°	157.1	0.8
60°-70°	106.8	0.6
70°-80°	57.0	0.3
80°-90°	23.4	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°	18652.3	100.0
0°-180°	18652.3	100.0

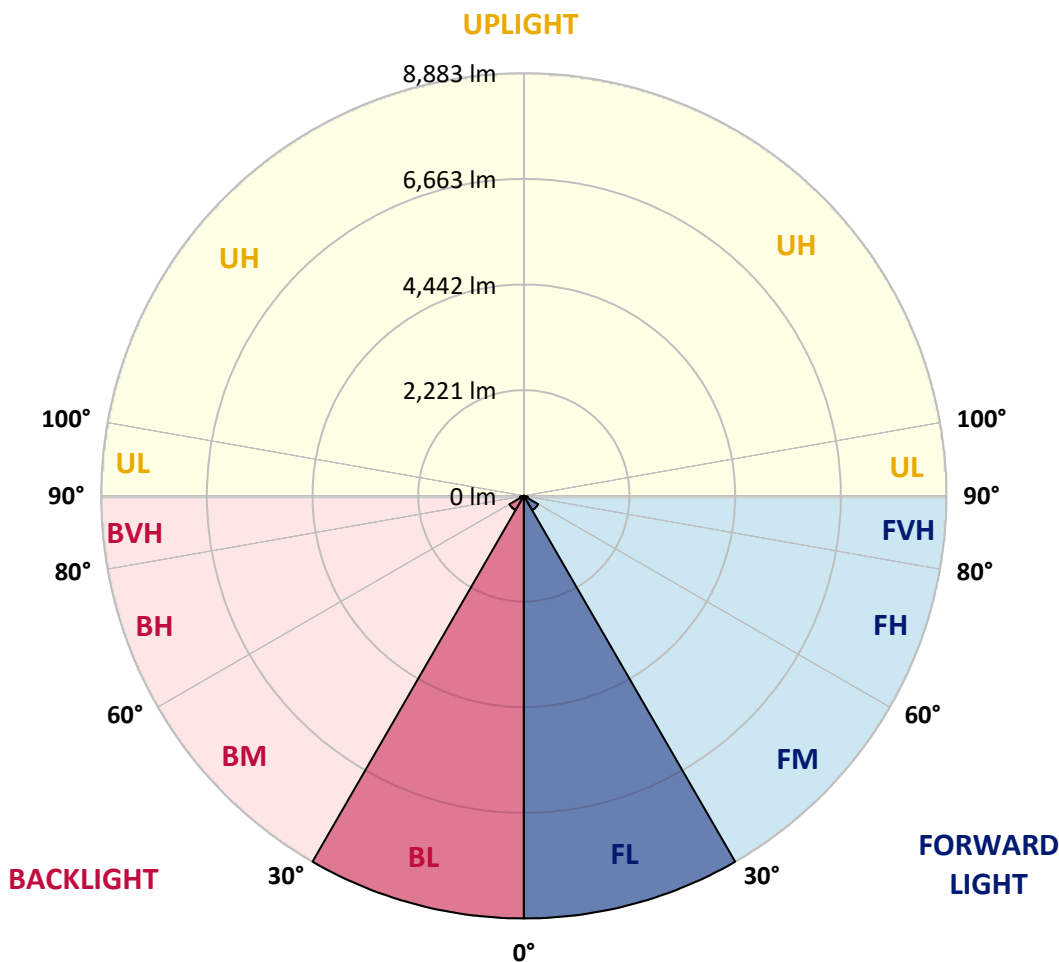


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8883.4	47.6			
FM (30°-60°)	349.1	1.9			
FH (60°-80°)	81.9	0.4			G0/660
FVH (80°-90°)	11.7	0.1			G1/100
BL (0°-30°)	8883.4	47.6	B5		
BM (30°-60°)	349.1	1.9	B1/1000		
BH (60°-80°)	81.9	0.4	B0/110		G0/660
BVH (80°-90°)	11.7	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°	128227.5	128227.5	128227.5	128227.5	128227.5	128227.5	128227.5	128227.5	128227.5	128227.5
1°	126502.4	126736.6	127023.5	127284.1	127676.7	127996.6	128557.4	128438.7	128422.2	128445.2
2°	124051.5	124345.1	124787.1	125047.7	126060.3	126476.0	127323.7	127574.4	127373.2	127600.8
3°	120380.1	120620.9	121313.6	121824.9	123137.8	124259.3	125394.0	125770.1	125535.9	125641.4
4°	116009.4	116256.8	117094.7	118137.0	120033.7	121277.3	122636.4	122972.8	122207.5	122260.3
5°	110807.5	110922.9	111948.8	112898.8	115168.3	116675.7	117965.5	118071.1	117371.8	117104.6
6°	104955.7	104747.9	105691.3	106093.7	108914.1	110451.2	111394.6	111272.6	110741.5	110513.9
7°	98002.2	97718.5	98480.5	98262.8	100759.9	101637.3	102544.4	102128.8	101706.6	102231.1
8°	89956.9	89798.5	89307.0	90197.7	90692.5	91477.5	91474.2	91233.4	91220.2	92094.4
9°	78259.9	79721.2	79289.1	80222.6	80097.3	80061.0	79820.2	79665.1	79005.4	80011.5
10°	65415.1	66371.7	67100.7	68492.7	68222.2	68604.9	67265.6	67493.2	67054.5	67885.7
12.5°	33860.4	34935.8	35565.8	36628.0	37795.7	38989.8	38603.8	38204.7	37607.6	38339.9
15°	16668.0	17093.5	17294.7	18373.4	19204.6	19504.8	19551.0	19198.0	19046.3	19204.6
17.5°	10229.0	10377.5	10961.3	12201.6	12920.7	13098.8	12983.4	12597.5	12165.3	11983.9
20°	7405.4	7448.3	7669.3	7910.1	8870.0	9371.4	9186.7	8807.3	8408.2	8220.2
22.5°	4835.8	4878.7	4951.2	5083.2	5340.5	5960.6	5759.4	5502.1	5231.6	5175.5
25°	2737.9	2737.9	2813.7	2949.0	3140.3	3186.5	3226.1	2952.3	2826.9	2770.8
27.5°	1527.3	1537.2	1553.7	1606.4	1702.1	1692.2	1649.3	1576.7	1491.0	1401.9
30°	844.4	854.3	864.2	877.4	893.9	864.2	837.9	824.7	788.4	778.5
32.5°	633.3	633.3	639.9	636.6	620.1	583.9	567.4	587.2	583.9	567.4
35°	521.2	521.2	527.8	541.0	508.0	481.6	468.4	494.8	494.8	484.9
37.5°	425.5	428.8	432.1	448.6	438.7	409.0	405.7	412.3	415.6	412.3
40°	372.7	369.4	369.4	372.7	366.1	359.6	353.0	349.7	353.0	349.7
42.5°	323.3	320.0	326.6	320.0	306.8	310.1	310.1	300.2	303.5	296.9
45°	283.7	280.4	283.7	277.1	267.2	270.5	270.5	257.3	257.3	254.0
47.5°	250.7	250.7	250.7	254.0	237.5	234.2	237.5	234.2	224.3	221.0
50°	217.7	221.0	224.3	230.9	214.4	207.8	207.8	207.8	201.2	197.9
52.5°	201.2	204.5	204.5	204.5	194.6	188.0	188.0	184.7	181.4	178.1
55°	194.6	194.6	194.6	181.4	178.1	174.8	164.9	161.6	158.3	158.3
57.5°	184.7	184.7	181.4	171.5	161.6	161.6	148.4	145.1	141.8	141.8
60°	164.9	164.9	164.9	161.6	148.4	145.1	131.9	125.3	122.0	122.0
62.5°	151.7	151.7	151.7	138.5	135.2	125.3	115.5	105.6	102.3	95.7
65°	138.5	138.5	138.5	125.3	118.8	108.9	95.7	85.8	79.2	69.3
67.5°	128.6	128.6	125.3	115.5	105.6	92.4	79.2	69.3	56.1	49.5
70°	112.2	112.2	108.9	102.3	92.4	82.5	66.0	52.8	42.9	33.0
72.5°	95.7	95.7	92.4	85.8	79.2	69.3	56.1	46.2	29.7	23.1
75°	79.2	79.2	75.9	69.3	66.0	59.4	49.5	36.3	23.1	9.9
77.5°	66.0	66.0	62.7	59.4	56.1	49.5	42.9	29.7	16.5	6.6
80°	49.5	52.8	52.8	52.8	46.2	42.9	39.6	29.7	13.2	3.3
82.5°	36.3	39.6	39.6	39.6	36.3	33.0	36.3	26.4	13.2	3.3
85°	26.4	26.4	29.7	29.7	29.7	29.7	39.6	29.7	9.9	3.3
87.5°	13.2	13.2	13.2	13.2	13.2	16.5	19.8	16.5	6.6	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°
128227.5
127524.9
126736.6
124849.7
121475.2
116547.1
110002.6
102069.4
89669.9
78134.6
65754.8
36357.5
18465.7
11729.9
8075.0
5060.1
2724.7
1405.2
778.5
557.5
481.6
412.3
353.0
300.2
254.0
221.0
194.6
174.8
155.0
141.8
118.8
89.1
69.3
46.2
33.0
19.8
9.9
3.3
3.3
3.3
3.3
0.0
0.0

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