

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: P636223

Luminaire Tested: **IFLD-S-SA3D-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636223
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-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: 16117 lumens
Efficiency: N/A
Efficacy: 87.5 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

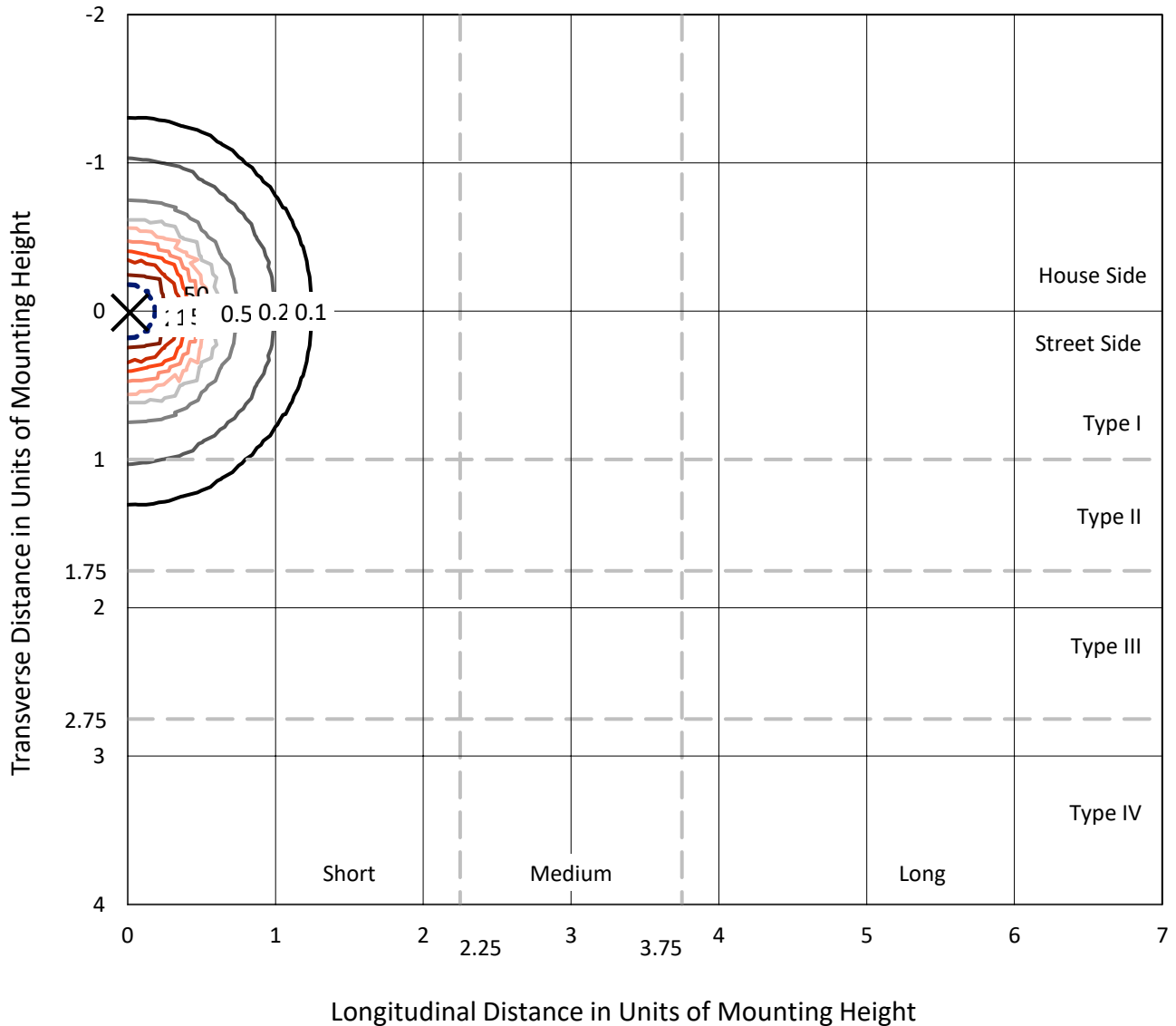
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

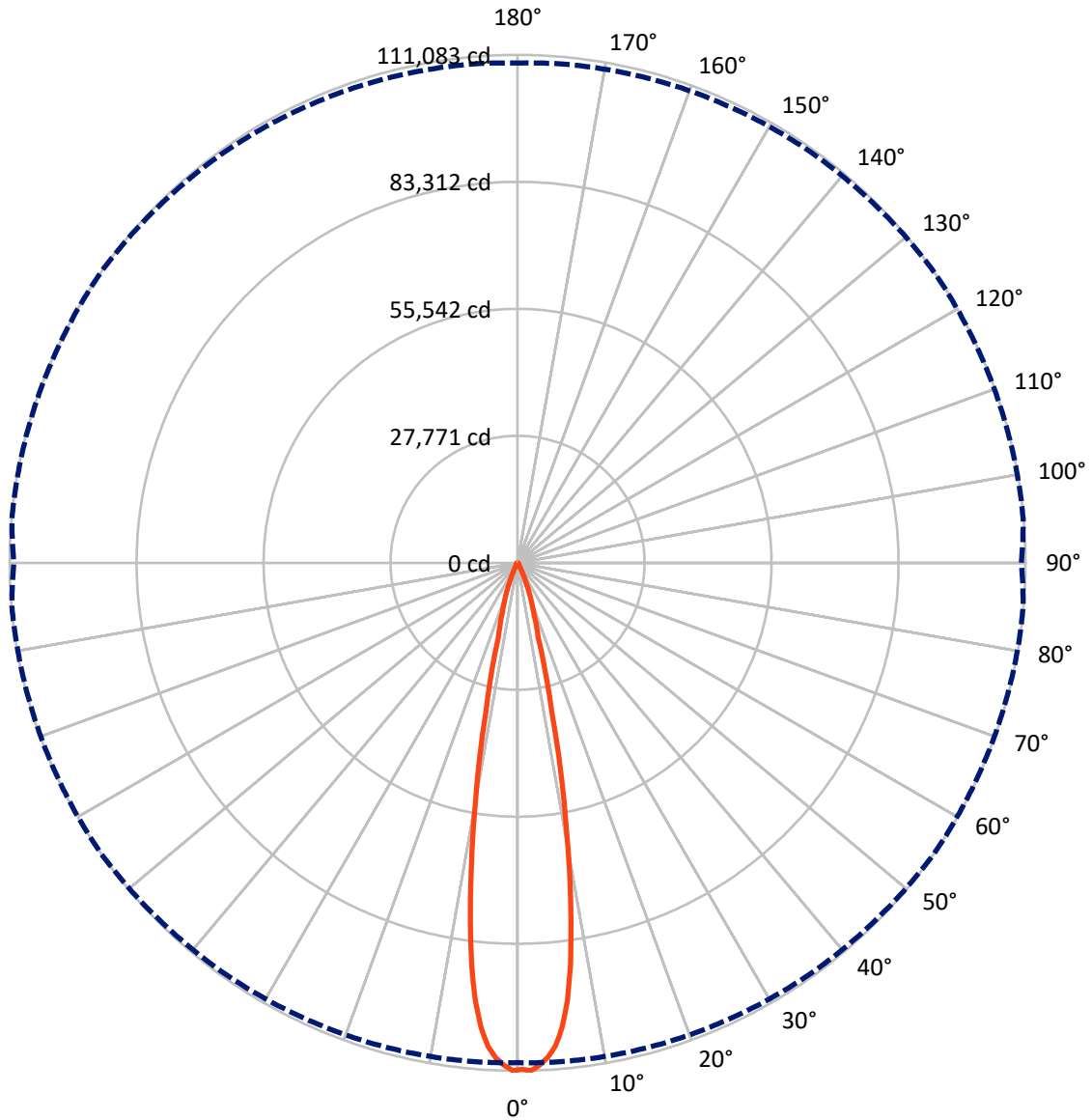
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 277 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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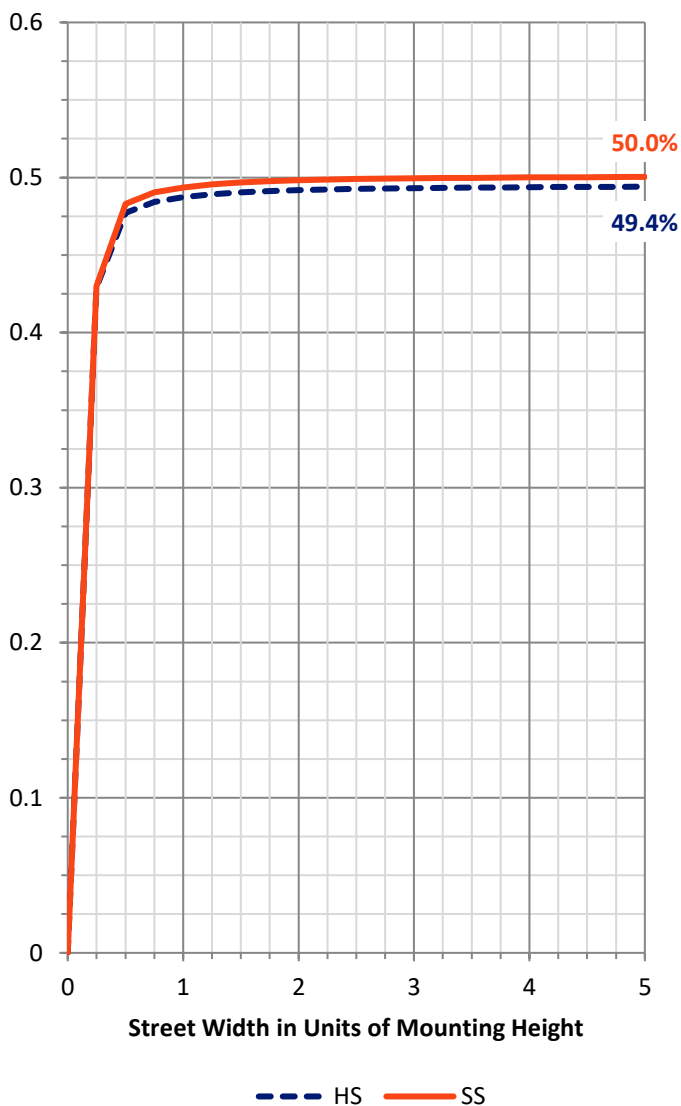
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8058.5	0.0	8058.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8058.5	0.0	8058.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16117.0	0.0	16117.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8188.6	50.8
10°-20°	5803.4	36.0
20°-30°	1359.8	8.4
30°-40°	284.2	1.8
40°-50°	183.4	1.1
50°-60°	135.8	0.8
60°-70°	92.3	0.6
70°-80°	49.3	0.3
80°-90°	20.2	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°	16117.0	100.0
0°-180°	16117.0	100.0

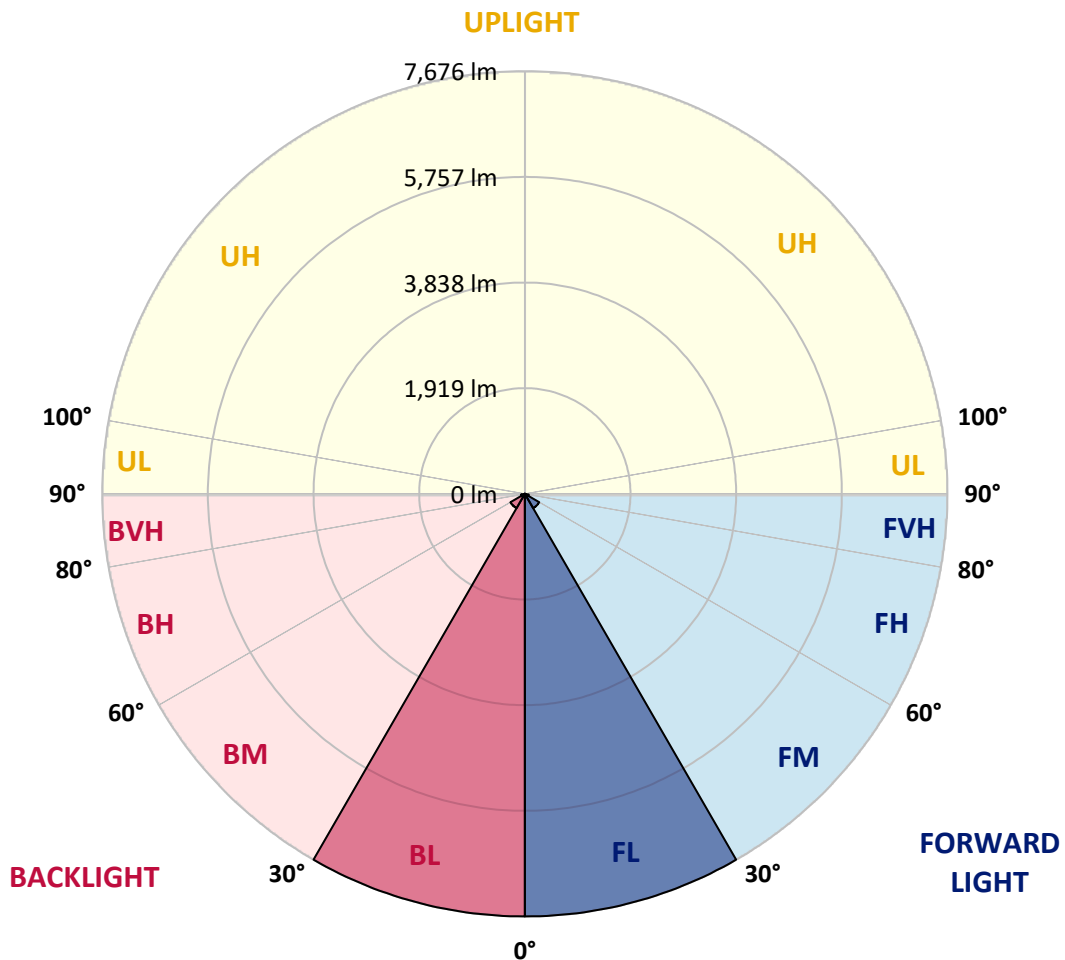


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7675.9	47.6			
FM (30°-60°)	301.7	1.9			
FH (60°-80°)	70.8	0.4			G0/660
FVH (80°-90°)	10.1	0.1			G1/100
BL (0°-30°)	7675.9	47.6	B5		
BM (30°-60°)	301.7	1.9	B1/1000		
BH (60°-80°)	70.8	0.4	B0/110		G0/660
BVH (80°-90°)	10.1	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°	110798.3	110798.3	110798.3	110798.3	110798.3	110798.3	110798.3	110798.3	110798.3	110798.3
1°	109307.6	109510.0	109757.9	109983.1	110322.3	110598.8	111083.3	110980.7	110966.4	110986.4
2°	107189.8	107443.5	107825.5	108050.6	108925.7	109284.8	110017.3	110233.9	110060.1	110256.7
3°	104017.5	104225.6	104824.1	105265.9	106400.3	107369.4	108349.9	108674.8	108472.5	108563.7
4°	100240.9	100454.7	101178.6	102079.3	103718.2	104792.8	105967.1	106257.8	105596.6	105642.2
5°	95746.0	95845.8	96732.2	97553.1	99514.1	100816.7	101931.1	102022.3	101418.1	101187.2
6°	90689.7	90510.1	91325.3	91673.0	94110.0	95438.2	96253.4	96147.9	95689.0	95492.4
7°	84681.3	84436.2	85094.6	84906.5	87064.1	87822.3	88606.1	88247.0	87882.2	88335.4
8°	77729.5	77592.7	77168.0	77937.6	78365.1	79043.5	79040.6	78832.6	78821.2	79576.5
9°	67622.5	68885.2	68511.8	69318.4	69210.1	69178.7	68970.7	68836.7	68266.7	69136.0
10°	56523.6	57350.1	57980.1	59182.9	58949.1	59279.8	58122.6	58319.2	57940.2	58658.4
12.5°	29258.0	30187.1	30731.5	31649.3	32658.3	33690.1	33356.6	33011.7	32495.9	33128.6
15°	14402.4	14770.1	14943.9	15876.0	16594.2	16853.6	16893.5	16588.5	16457.4	16594.2
17.5°	8838.7	8966.9	9471.4	10543.1	11164.5	11318.4	11218.6	10885.2	10511.8	10355.0
20°	6398.8	6435.9	6626.9	6834.9	7664.4	8097.6	7938.0	7610.2	7265.3	7102.9
22.5°	4178.5	4215.5	4278.2	4392.3	4614.6	5150.4	4976.6	4754.2	4520.5	4472.1
25°	2365.7	2365.7	2431.3	2548.1	2713.5	2753.4	2787.6	2551.0	2442.7	2394.2
27.5°	1319.7	1328.2	1342.5	1388.1	1470.7	1462.2	1425.1	1362.4	1288.3	1211.4
30°	729.7	738.2	746.8	758.2	772.4	746.8	724.0	712.6	681.2	672.7
32.5°	547.3	547.3	553.0	550.1	535.8	504.5	490.2	507.3	504.5	490.2
35°	450.3	450.3	456.0	467.4	438.9	416.1	404.7	427.5	427.5	419.0
37.5°	367.7	370.5	373.4	387.6	379.1	353.4	350.6	356.3	359.1	356.3
40°	322.1	319.2	319.2	322.1	316.4	310.7	305.0	302.1	305.0	302.1
42.5°	279.3	276.5	282.2	276.5	265.1	267.9	267.9	259.4	262.2	256.5
45°	245.1	242.3	245.1	239.4	230.9	233.7	233.7	222.3	222.3	219.5
47.5°	216.6	216.6	216.6	219.5	205.2	202.4	205.2	202.4	193.8	191.0
50°	188.1	191.0	193.8	199.5	185.3	179.6	179.6	179.6	173.9	171.0
52.5°	173.9	176.7	176.7	176.7	168.2	162.5	162.5	159.6	156.8	153.9
55°	168.2	168.2	168.2	156.8	153.9	151.1	142.5	139.7	136.8	136.8
57.5°	159.6	159.6	156.8	148.2	139.7	139.7	128.3	125.4	122.6	122.6
60°	142.5	142.5	142.5	139.7	128.3	125.4	114.0	108.3	105.5	105.5
62.5°	131.1	131.1	131.1	119.7	116.9	108.3	99.8	91.2	88.4	82.7
65°	119.7	119.7	119.7	108.3	102.6	94.1	82.7	74.1	68.4	59.9
67.5°	111.2	111.2	108.3	99.8	91.2	79.8	68.4	59.9	48.5	42.8
70°	96.9	96.9	94.1	88.4	79.8	71.3	57.0	45.6	37.1	28.5
72.5°	82.7	82.7	79.8	74.1	68.4	59.9	48.5	39.9	25.7	20.0
75°	68.4	68.4	65.6	59.9	57.0	51.3	42.8	31.4	20.0	8.6
77.5°	57.0	57.0	54.2	51.3	48.5	42.8	37.1	25.7	14.3	5.7
80°	42.8	45.6	45.6	45.6	39.9	37.1	34.2	25.7	11.4	2.9
82.5°	31.4	34.2	34.2	34.2	31.4	28.5	31.4	22.8	11.4	2.9
85°	22.8	22.8	25.7	25.7	25.7	25.7	34.2	25.7	8.6	2.9
87.5°	11.4	11.4	11.4	11.4	11.4	14.3	17.1	14.3	5.7	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°
110798.3
110191.2
109510.0
107879.6
104963.8
100705.5
95050.6
88195.7
77481.6
67514.2
56817.1
31415.6
15955.8
10135.5
6977.4
4372.3
2354.3
1214.2
672.7
481.7
416.1
356.3
305.0
259.4
219.5
191.0
168.2
151.1
134.0
122.6
102.6
77.0
59.9
39.9
28.5
17.1
8.6
2.9
2.9
2.9
2.9
0.0
0.0

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