

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: P636368

Luminaire Tested: **IFLD-S-SA3D-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636368
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-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15745.3 lumens
Efficiency: N/A
Efficacy: 85.5 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

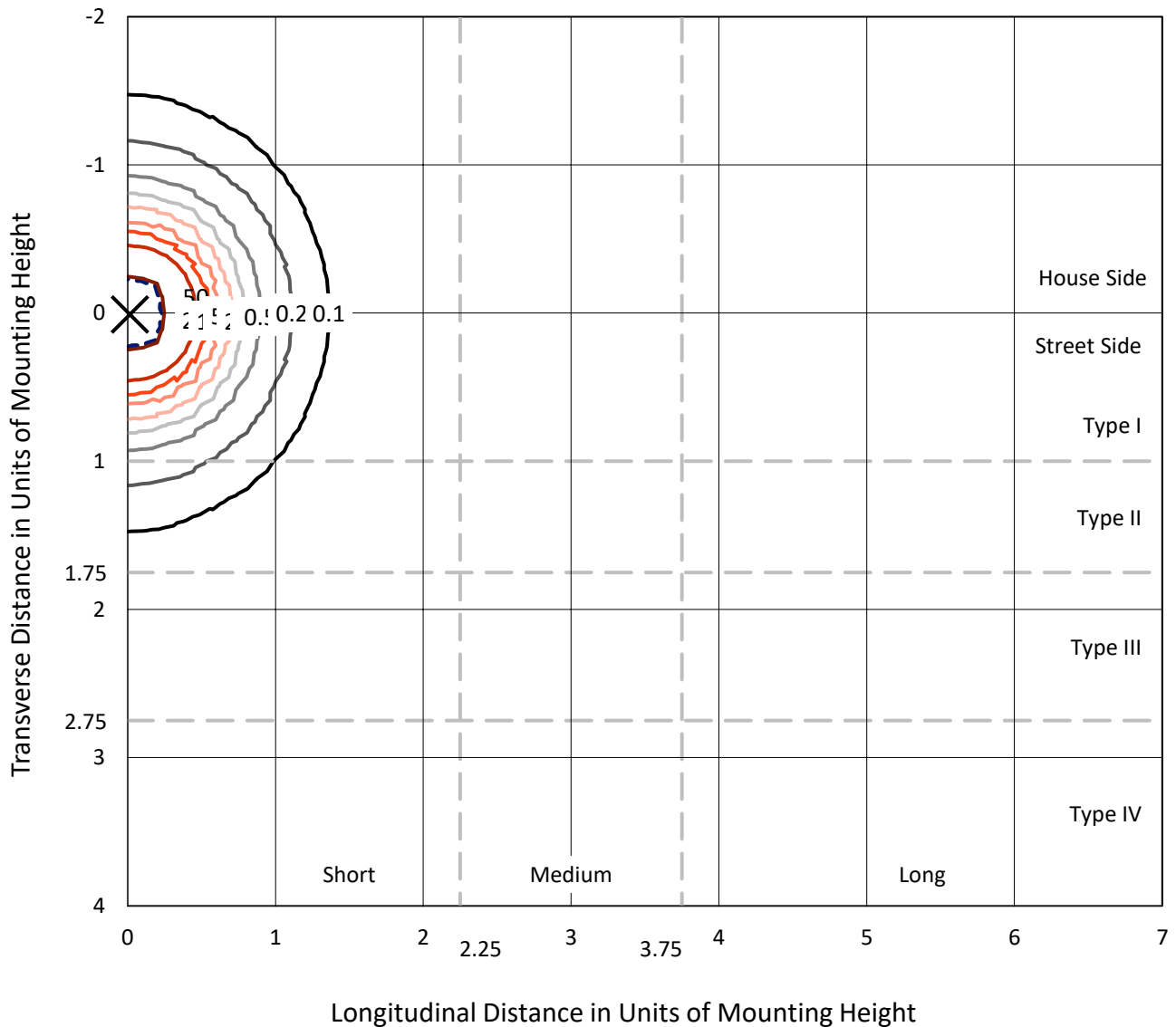
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

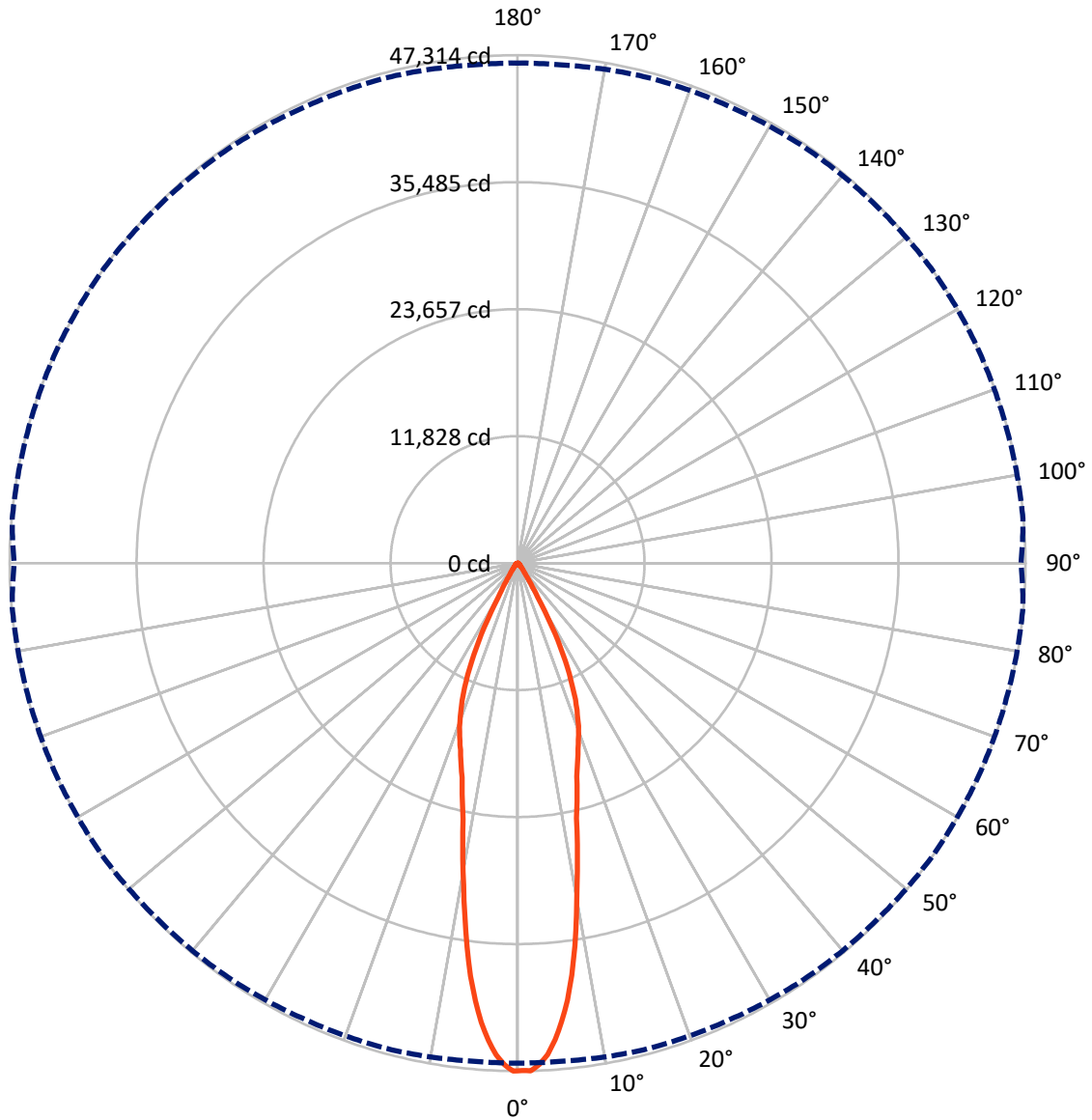
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 118.1 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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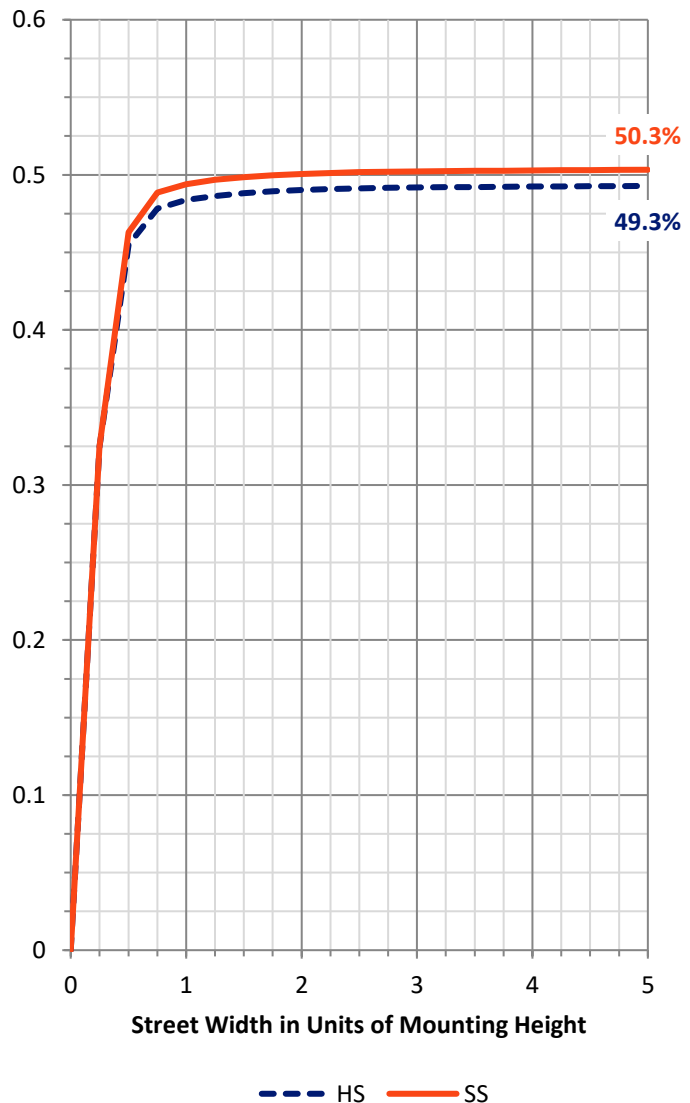
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7872.6	0.0	7872.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7872.6	0.0	7872.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15745.3	0.0	15745.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3595.8	22.8
10°-20°	5872.8	37.3
20°-30°	4589.2	29.1
30°-40°	1000.3	6.4
40°-50°	296.2	1.9
50°-60°	185.2	1.2
60°-70°	129.6	0.8
70°-80°	55.6	0.4
80°-90°	20.6	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°	15745.3	100.0
0°-180°	15745.3	100.0



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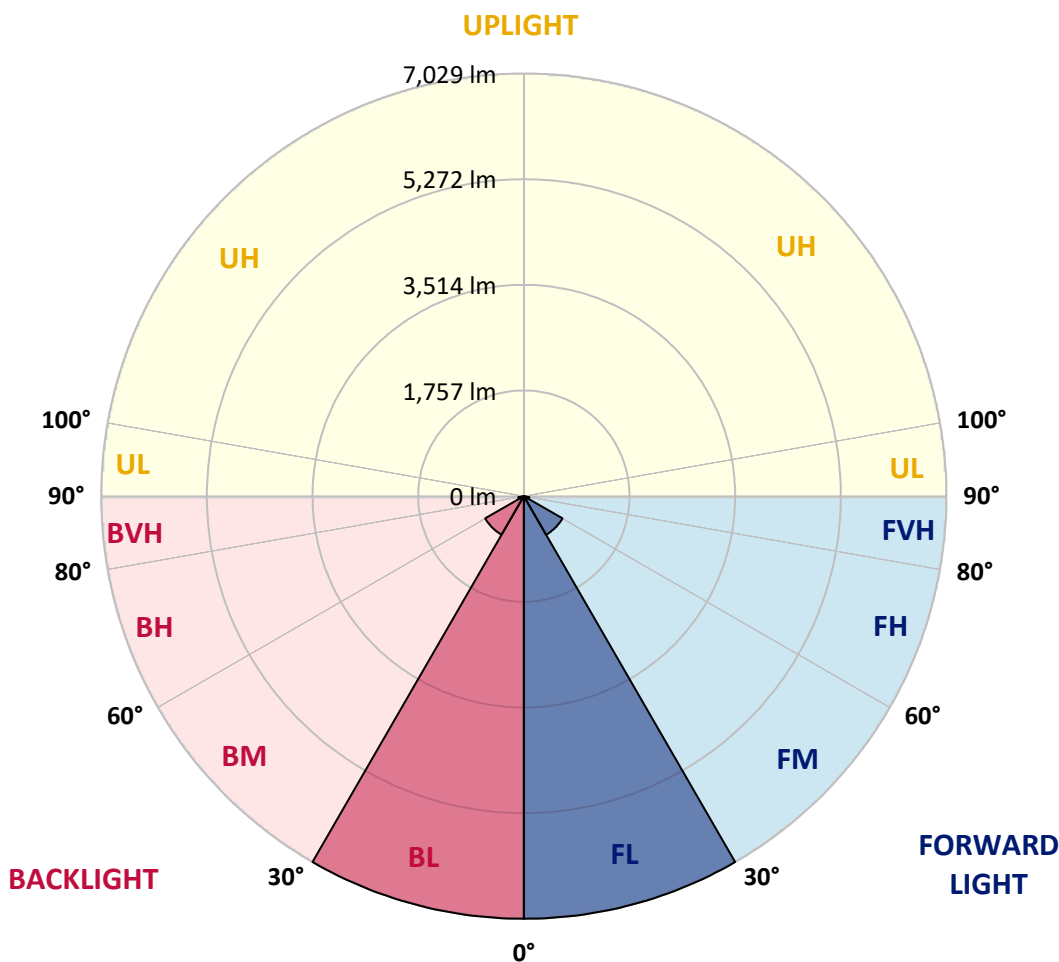
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7028.9	44.6			
FM (30°-60°)	740.9	4.7			
FH (60°-80°)	92.6	0.6			G0/660
FVH (80°-90°)	10.3	0.1			G1/100
BL (0°-30°)	7028.9	44.6	B5		
BM (30°-60°)	740.9	4.7	B1/1000		
BH (60°-80°)	92.6	0.6	B0/110		G0/660
BVH (80°-90°)	10.3	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°	47259.5	47259.5	47259.5	47259.5	47259.5	47259.5	47259.5	47259.5	47259.5	47259.5
1°	46575.4	46581.1	46834.8	46891.8	47065.7	47154.0	47313.6	47296.5	47248.1	47253.8
2°	45717.4	45680.4	45917.0	46179.2	46387.3	46558.3	46749.3	46789.2	46743.6	46786.3
3°	44306.5	44252.3	44583.0	44910.8	45272.8	45566.4	45854.2	45865.6	45811.5	45808.6
4°	42450.9	42351.1	42744.5	43328.8	43784.9	44175.4	44534.5	44528.8	44454.7	44514.6
5°	40207.6	40082.2	40592.4	41362.0	42037.6	42507.9	42904.1	42810.0	42639.0	42647.6
6°	37454.1	37576.7	38200.9	39281.2	40079.4	40469.9	40957.3	40780.6	40484.1	40452.8
7°	34866.0	35142.5	35641.3	36943.9	37893.1	38303.6	38716.9	38360.6	37958.7	37893.1
8°	32141.0	32602.8	33292.6	34492.6	35504.5	35917.8	36074.6	35692.6	35262.2	35245.1
9°	29932.0	30248.4	30841.2	31898.7	32927.7	33204.2	33238.4	32904.9	32474.5	32503.0
10°	27922.4	27982.3	28495.4	29404.6	30228.4	30425.1	30416.5	30174.2	29820.8	29914.9
12.5°	23424.5	23587.0	23735.2	24025.9	24302.4	24430.7	24382.2	24282.5	24088.7	24097.2
15°	20371.7	20368.9	20386.0	20520.0	20602.6	20616.9	20616.9	20491.5	20408.8	20531.4
17.5°	17678.1	17826.3	18091.4	18199.7	18308.1	18268.2	18194.0	18137.0	18082.9	18188.3
20°	15583.1	15648.6	15651.5	15722.8	16270.0	16298.5	16204.5	16042.0	15905.2	15879.5
22.5°	13225.8	13325.6	13368.3	13431.0	13488.1	13904.2	13793.0	13530.8	13368.3	13319.9
25°	9927.9	9893.7	10173.0	10686.1	10768.8	10820.1	10791.6	10654.8	10549.3	10569.3
27.5°	6860.9	6920.8	6909.3	6915.0	7459.5	7456.6	7448.1	7328.4	7297.0	7251.4
30°	3836.6	3808.1	3822.4	3785.3	3708.4	3802.4	3651.4	3779.6	3654.2	3694.1
32.5°	2268.9	2249.0	2229.0	2237.6	2180.5	2040.9	1981.0	2069.4	2040.9	2029.5
35°	1448.0	1456.6	1482.2	1479.4	1428.0	1348.2	1262.7	1342.5	1331.1	1296.9
37.5°	923.5	923.5	932.1	1006.2	963.4	895.0	835.2	869.4	866.5	860.8
40°	655.6	655.6	667.0	686.9	664.1	629.9	595.7	595.7	601.4	584.3
42.5°	487.4	487.4	498.8	510.2	481.7	470.3	453.2	441.8	456.1	441.8
45°	382.0	379.1	382.0	376.3	359.1	359.1	344.9	327.8	344.9	336.3
47.5°	313.5	310.7	307.8	296.4	279.3	282.2	276.5	262.2	270.8	267.9
50°	273.6	267.9	270.8	259.4	245.1	242.3	242.3	228.0	230.9	230.9
52.5°	239.4	239.4	236.6	230.9	225.2	213.8	216.6	202.4	202.4	202.4
55°	225.2	225.2	219.5	208.1	210.9	202.4	193.8	185.3	182.4	182.4
57.5°	222.3	222.3	219.5	208.1	199.5	196.7	185.3	173.9	165.3	168.2
60°	216.6	216.6	210.9	208.1	193.8	188.1	171.0	162.5	151.1	151.1
62.5°	208.1	205.2	193.8	176.7	176.7	162.5	151.1	134.0	125.4	122.6
65°	176.7	173.9	165.3	151.1	142.5	134.0	116.9	99.8	94.1	85.5
67.5°	145.4	145.4	139.7	125.4	119.7	108.3	88.4	77.0	62.7	57.0
70°	119.7	119.7	114.0	105.5	99.8	85.5	68.4	57.0	42.8	37.1
72.5°	96.9	96.9	91.2	85.5	79.8	71.3	57.0	42.8	28.5	22.8
75°	77.0	77.0	74.1	68.4	62.7	57.0	45.6	34.2	20.0	11.4
77.5°	62.7	62.7	59.9	57.0	51.3	45.6	37.1	28.5	14.3	5.7
80°	48.5	48.5	48.5	48.5	42.8	37.1	31.4	22.8	11.4	2.9
82.5°	34.2	34.2	37.1	42.8	34.2	28.5	28.5	22.8	8.6	2.9
85°	22.8	25.7	28.5	25.7	22.8	22.8	39.9	37.1	8.6	2.9
87.5°	11.4	11.4	11.4	11.4	11.4	8.6	11.4	8.6	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°
47259.5
46903.2
46450.0
45560.7
44232.4
42231.4
40036.6
37582.4
34620.9
32078.3
29584.2
23815.0
20246.3
17946.1
15714.2
13146.0
10500.8
7086.1
3742.6
2001.0
1259.9
849.4
578.6
439.0
336.3
267.9
233.7
202.4
179.6
168.2
142.5
116.9
82.7
54.2
34.2
20.0
8.6
5.7
2.9
2.9
2.9
0.0
0.0

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