

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: P636220

Luminaire Tested: **IFLD-S-SA3A-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636220
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-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: 9514.1 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

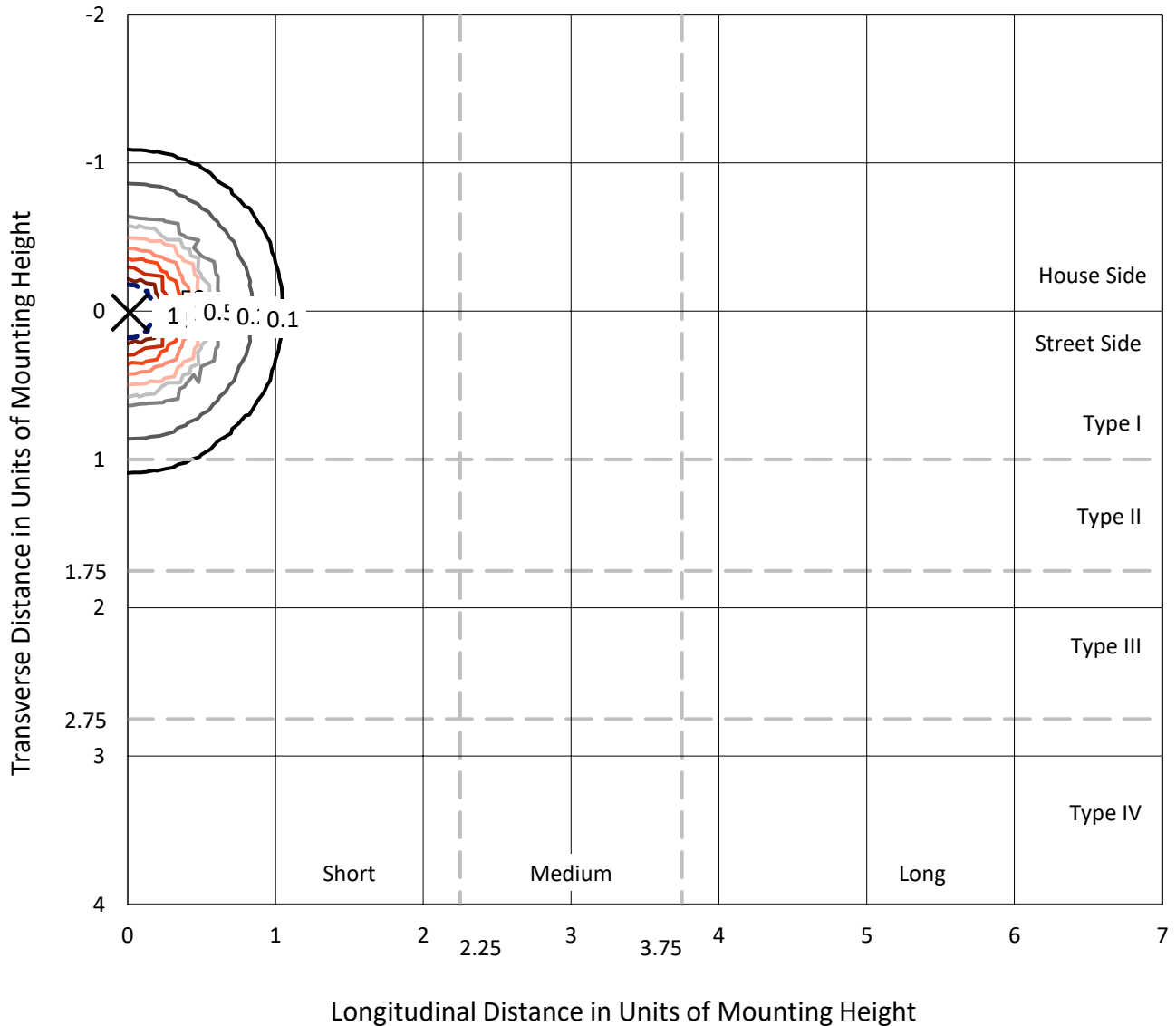
Input Watts (W): 94.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

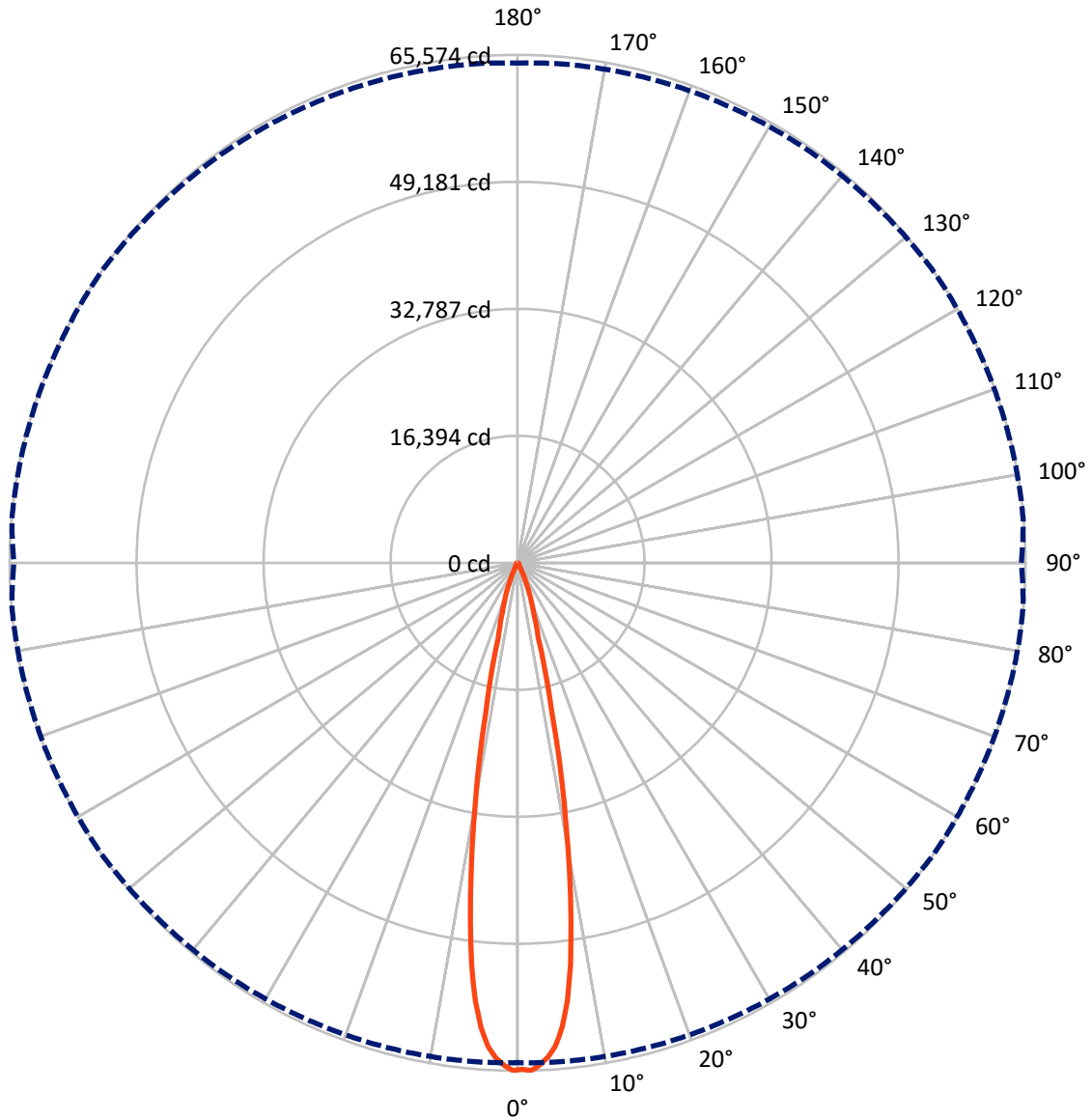
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 163.5 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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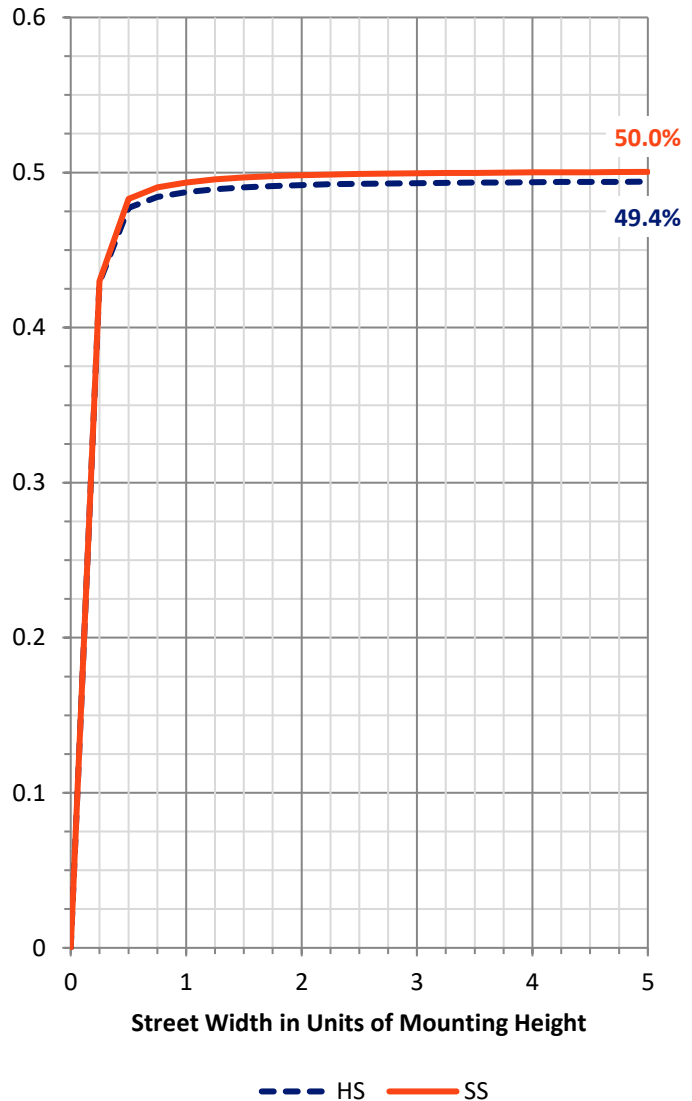
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4757.1	0.0	4757.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4757.1	0.0	4757.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	9514.1	0.0	9514.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4833.9	50.8
10°-20°	3425.8	36.0
20°-30°	802.7	8.4
30°-40°	167.8	1.8
40°-50°	108.2	1.1
50°-60°	80.2	0.8
60°-70°	54.5	0.6
70°-80°	29.1	0.3
80°-90°	11.9	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°	9514.1	100.0
0°-180°	9514.1	100.0

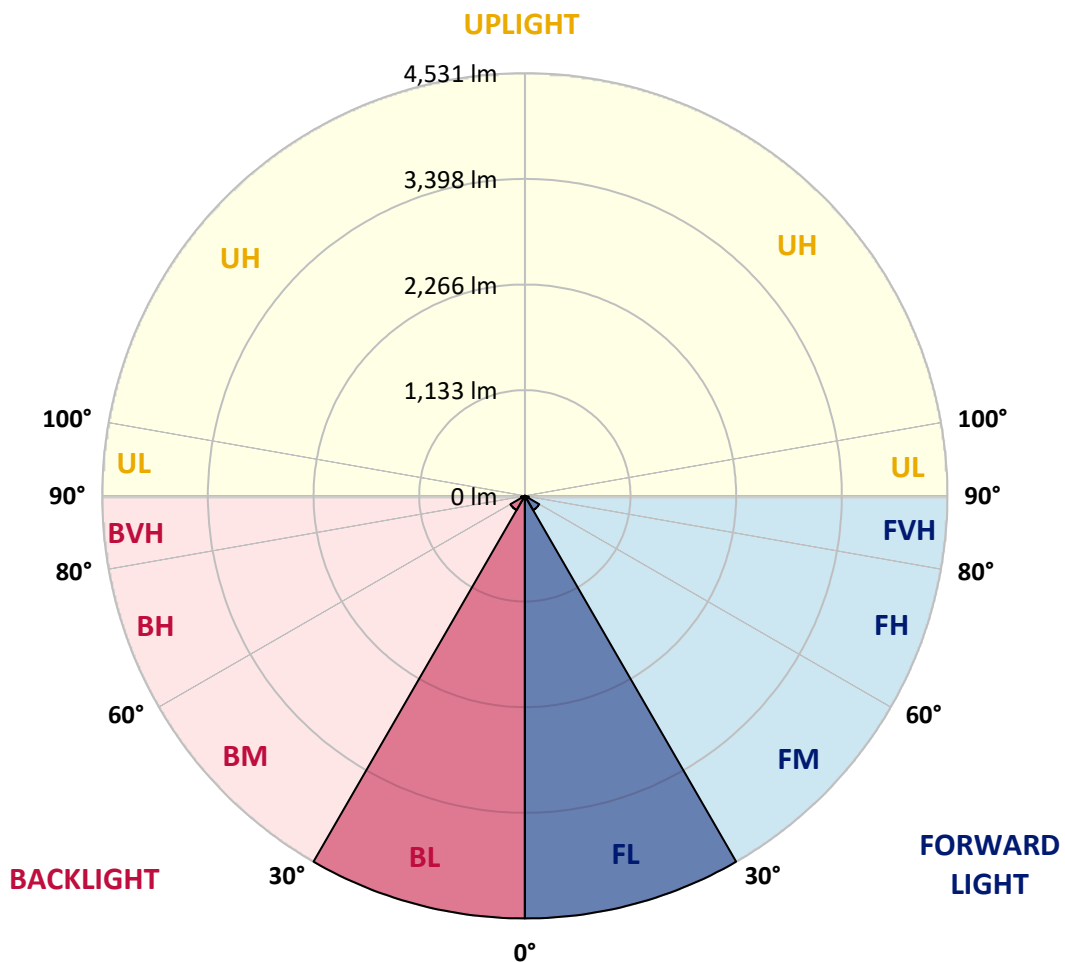


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4531.2	47.6			
FM (30°-60°)	178.1	1.9			
FH (60°-80°)	41.8	0.4			G0/660
FVH (80°-90°)	6.0	0.1			G0/10
BL (0°-30°)	4531.2	47.6	B4/5000		
BM (30°-60°)	178.1	1.9	B0/220		
BH (60°-80°)	41.8	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°	65406.1	65406.1	65406.1	65406.1	65406.1	65406.1	65406.1	65406.1	65406.1	65406.1
1°	64526.1	64645.6	64792.0	64924.9	65125.1	65288.3	65574.4	65513.8	65505.4	65517.2
2°	63276.0	63425.7	63651.2	63784.1	64300.7	64512.7	64945.1	65073.0	64970.3	65086.4
3°	61403.3	61526.1	61879.5	62140.3	62809.9	63382.0	63960.8	64152.6	64033.1	64087.0
4°	59173.9	59300.1	59727.5	60259.2	61226.6	61861.0	62554.2	62725.8	62335.4	62362.4
5°	56520.5	56579.4	57102.7	57587.3	58744.9	59513.8	60171.7	60225.5	59868.8	59732.5
6°	53535.7	53429.7	53910.9	54116.1	55554.7	56338.8	56820.0	56757.8	56486.9	56370.8
7°	49988.8	49844.1	50232.8	50121.7	51395.4	51843.0	52305.7	52093.7	51878.3	52145.9
8°	45885.1	45804.3	45553.6	46007.9	46260.3	46660.7	46659.0	46536.2	46529.5	46975.4
9°	39918.7	40664.1	40443.7	40919.8	40855.9	40837.4	40714.6	40635.5	40299.0	40812.2
10°	33366.8	33854.8	34226.6	34936.7	34798.7	34993.9	34310.7	34426.8	34203.1	34627.1
12.5°	17271.5	17820.0	18141.4	18683.1	19278.8	19887.8	19691.0	19487.4	19182.9	19556.4
15°	8502.0	8719.0	8821.7	9371.9	9795.9	9949.0	9972.5	9792.5	9715.1	9795.9
17.5°	5217.6	5293.3	5591.1	6223.8	6590.6	6681.4	6622.6	6425.7	6205.3	6112.7
20°	3777.3	3799.2	3911.9	4034.8	4524.4	4780.1	4685.9	4492.4	4288.8	4192.9
22.5°	2466.6	2488.5	2525.5	2592.8	2724.1	3040.4	2937.7	2806.5	2668.5	2639.9
25°	1396.5	1396.5	1435.2	1504.2	1601.8	1625.4	1645.5	1505.9	1442.0	1413.3
27.5°	779.0	784.1	792.5	819.4	868.2	863.2	841.3	804.3	760.5	715.1
30°	430.7	435.8	440.8	447.6	456.0	440.8	427.4	420.6	402.1	397.1
32.5°	323.1	323.1	326.4	324.7	316.3	297.8	289.4	299.5	297.8	289.4
35°	265.8	265.8	269.2	275.9	259.1	245.7	238.9	252.4	252.4	247.3
37.5°	217.1	218.7	220.4	228.8	223.8	208.6	207.0	210.3	212.0	210.3
40°	190.1	188.4	188.4	190.1	186.8	183.4	180.0	178.4	180.0	178.4
42.5°	164.9	163.2	166.6	163.2	156.5	158.2	158.2	153.1	154.8	151.4
45°	144.7	143.0	144.7	141.3	136.3	138.0	138.0	131.2	131.2	129.6
47.5°	127.9	127.9	127.9	129.6	121.1	119.5	121.1	119.5	114.4	112.7
50°	111.0	112.7	114.4	117.8	109.4	106.0	106.0	106.0	102.6	101.0
52.5°	102.6	104.3	104.3	104.3	99.3	95.9	95.9	94.2	92.5	90.9
55°	99.3	99.3	99.3	92.5	90.9	89.2	84.1	82.4	80.8	80.8
57.5°	94.2	94.2	92.5	87.5	82.4	82.4	75.7	74.0	72.4	72.4
60°	84.1	84.1	84.1	82.4	75.7	74.0	67.3	63.9	62.3	62.3
62.5°	77.4	77.4	77.4	70.7	69.0	63.9	58.9	53.8	52.2	48.8
65°	70.7	70.7	70.7	63.9	60.6	55.5	48.8	43.7	40.4	35.3
67.5°	65.6	65.6	63.9	58.9	53.8	47.1	40.4	35.3	28.6	25.2
70°	57.2	57.2	55.5	52.2	47.1	42.1	33.7	26.9	21.9	16.8
72.5°	48.8	48.8	47.1	43.7	40.4	35.3	28.6	23.6	15.1	11.8
75°	40.4	40.4	38.7	35.3	33.7	30.3	25.2	18.5	11.8	5.0
77.5°	33.7	33.7	32.0	30.3	28.6	25.2	21.9	15.1	8.4	3.4
80°	25.2	26.9	26.9	26.9	23.6	21.9	20.2	15.1	6.7	1.7
82.5°	18.5	20.2	20.2	20.2	18.5	16.8	18.5	13.5	6.7	1.7
85°	13.5	13.5	15.1	15.1	15.1	15.1	20.2	15.1	5.0	1.7
87.5°	6.7	6.7	6.7	6.7	6.7	8.4	10.1	8.4	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°
65406.1
65047.7
64645.6
63683.2
61961.9
59448.2
56110.0
52063.4
45738.7
39854.8
33540.1
18545.2
9419.0
5983.2
4118.9
2581.0
1389.8
716.8
397.1
284.4
245.7
210.3
180.0
153.1
129.6
112.7
99.3
89.2
79.1
72.4
60.6
45.4
35.3
23.6
16.8
10.1
5.0
1.7
1.7
1.7
1.7
0.0
0.0

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