

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: P636276

Luminaire Tested: **IFLD-S-SA2D-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636276
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (32) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9256.8 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

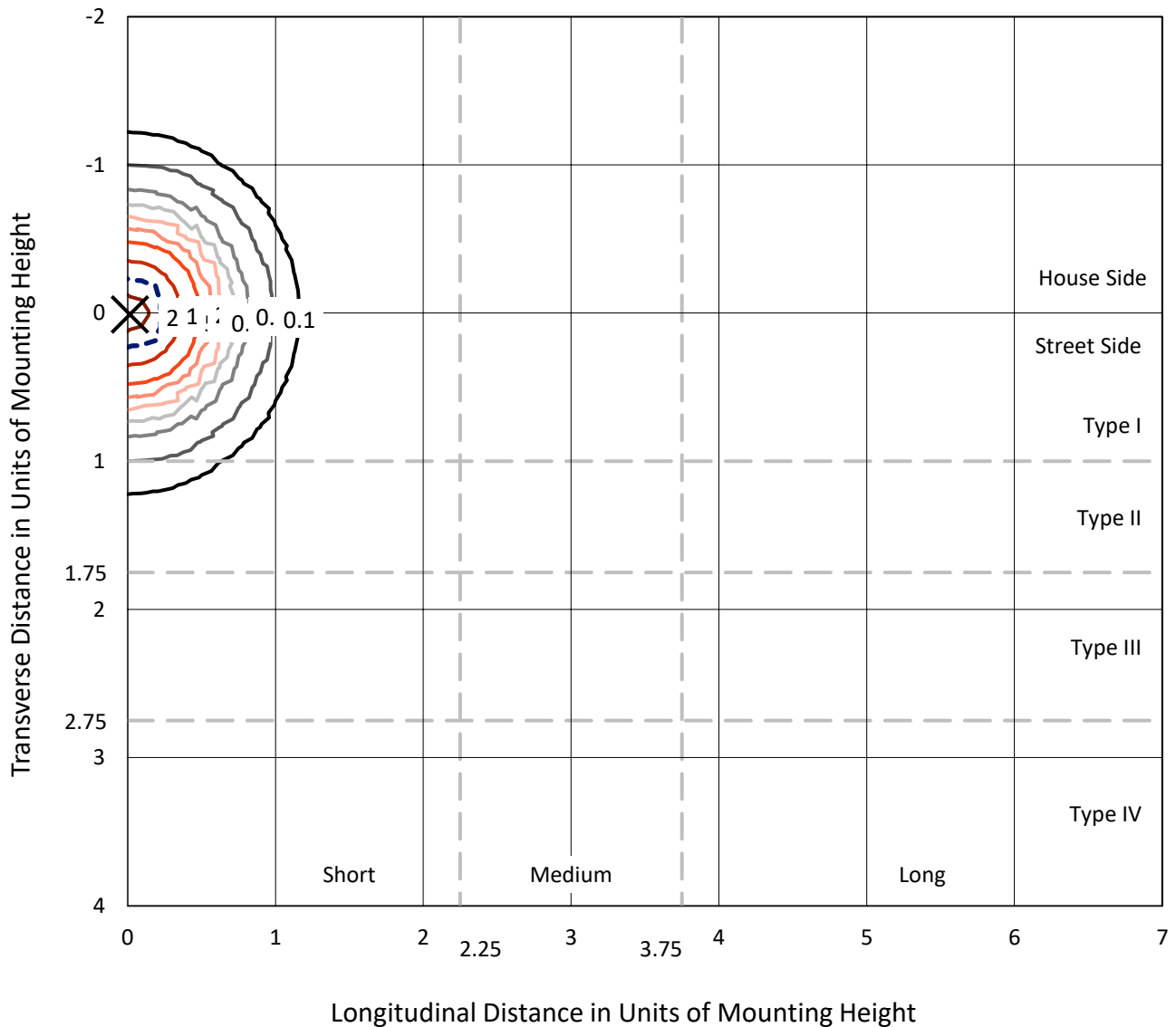
Input Watts (W): 123.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

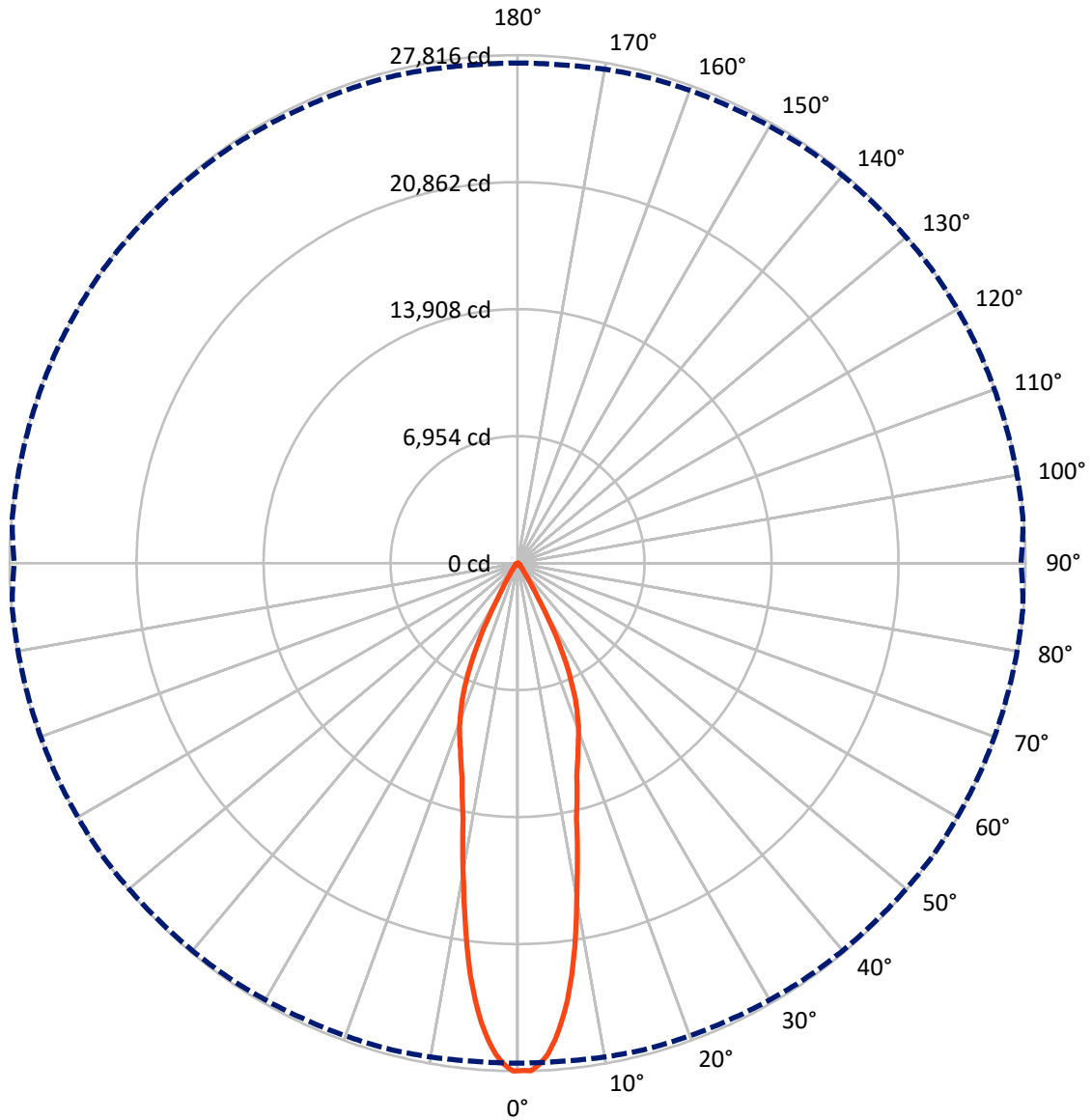
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 69.5 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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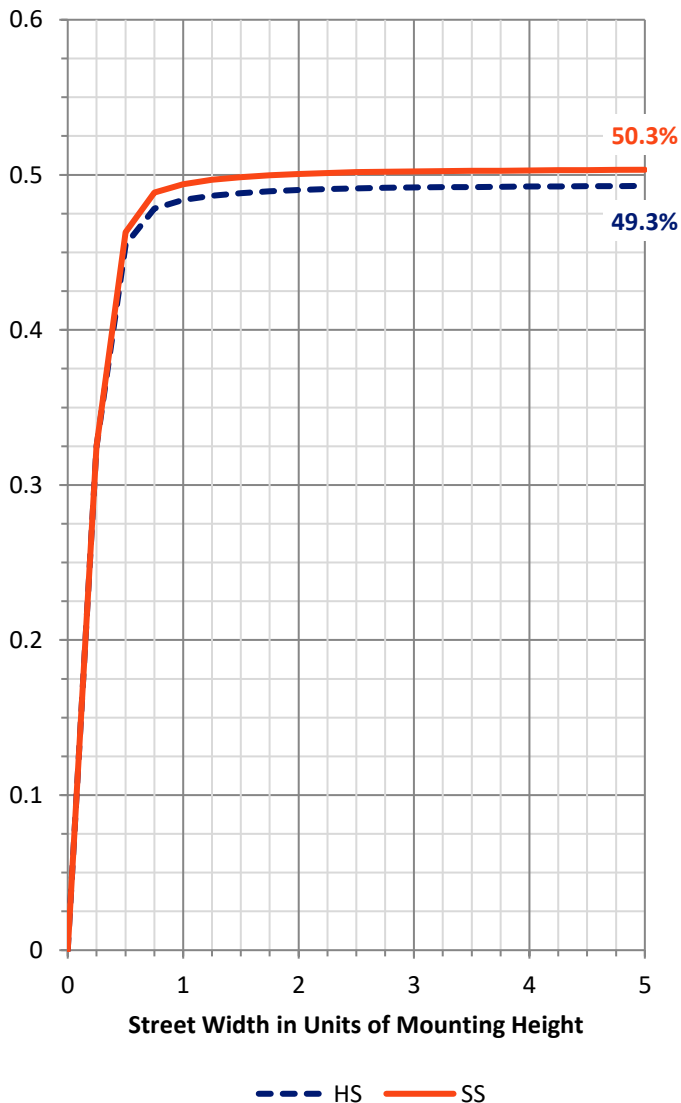
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4628.4	0.0	4628.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4628.4	0.0	4628.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	9256.8	0.0	9256.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2114.0	22.8
10°-20°	3452.7	37.3
20°-30°	2698.1	29.1
30°-40°	588.1	6.4
40°-50°	174.1	1.9
50°-60°	108.9	1.2
60°-70°	76.2	0.8
70°-80°	32.7	0.4
80°-90°	12.1	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°	9256.8	100.0
0°-180°	9256.8	100.0



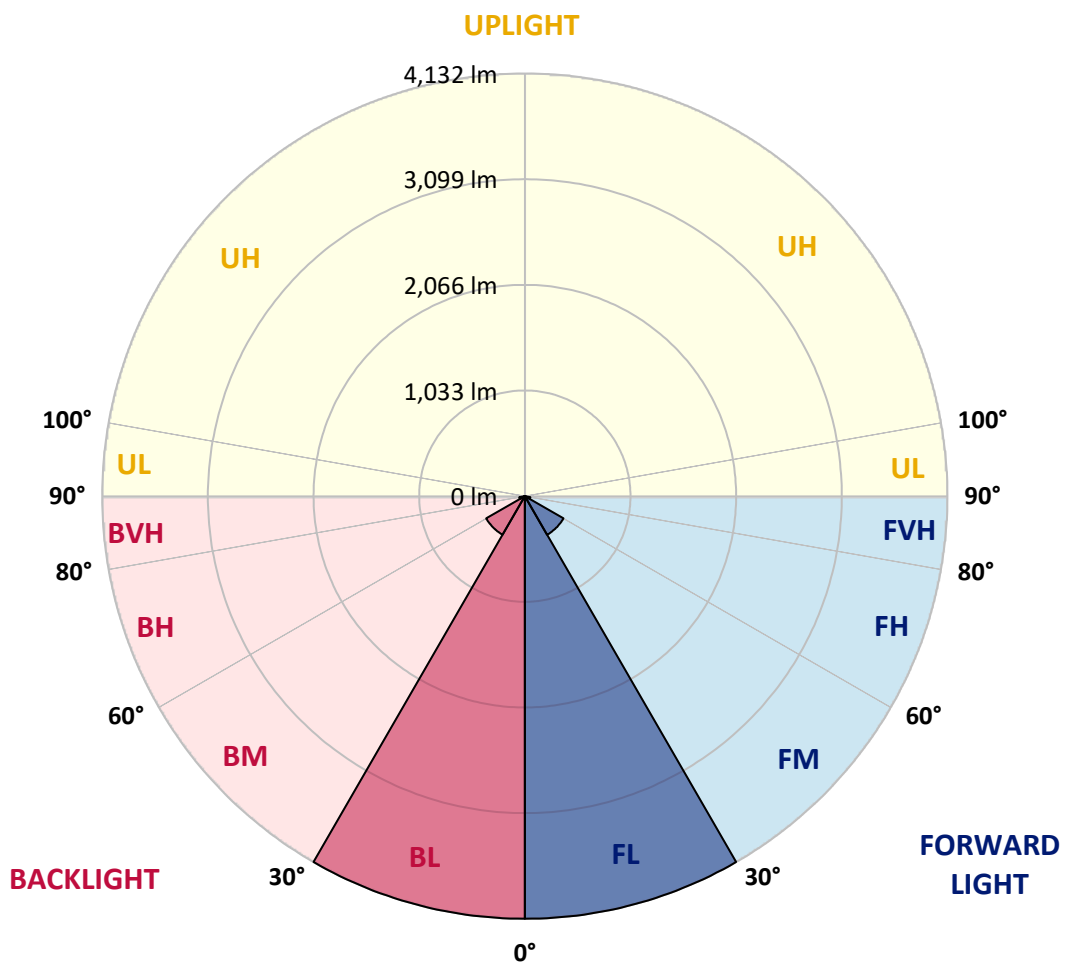
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4132.4	44.6			
FM (30°-60°)	435.6	4.7			
FH (60°-80°)	54.4	0.6			G0/660
FVH (80°-90°)	6.0	0.1			G0/10
BL (0°-30°)	4132.4	44.6	B4/5000		
BM (30°-60°)	435.6	4.7	B1/1000		
BH (60°-80°)	54.4	0.6	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°	27784.4	27784.4	27784.4	27784.4	27784.4	27784.4	27784.4	27784.4	27784.4	27784.4
1°	27382.2	27385.5	27534.7	27568.2	27670.4	27722.4	27816.2	27806.1	27777.7	27781.0
2°	26877.8	26856.0	26995.1	27149.2	27271.6	27372.1	27484.4	27507.9	27481.0	27506.2
3°	26048.3	26016.4	26210.8	26403.5	26616.3	26788.9	26958.2	26964.9	26933.1	26931.4
4°	24957.3	24898.7	25129.9	25473.5	25741.6	25971.2	26182.3	26179.0	26135.4	26170.6
5°	23638.5	23564.8	23864.7	24317.2	24714.3	24990.8	25223.8	25168.5	25067.9	25073.0
6°	22019.7	22091.7	22458.7	23093.9	23563.1	23792.7	24079.2	23975.3	23801.0	23782.6
7°	20498.1	20660.6	20953.9	21719.7	22277.8	22519.1	22762.1	22552.6	22316.3	22277.8
8°	18896.0	19167.5	19573.1	20278.6	20873.5	21116.4	21208.6	20984.1	20731.0	20721.0
9°	17597.3	17783.3	18131.9	18753.6	19358.6	19521.1	19541.2	19345.2	19092.1	19108.9
10°	16415.9	16451.1	16752.7	17287.3	17771.6	17887.2	17882.2	17739.8	17532.0	17587.3
12.5°	13771.5	13867.0	13954.2	14125.1	14287.7	14363.1	14334.6	14275.9	14162.0	14167.0
15°	11976.8	11975.1	11985.1	12063.9	12112.5	12120.9	12120.9	12047.2	11998.6	12070.6
17.5°	10393.2	10480.3	10636.1	10699.8	10763.5	10740.0	10696.5	10663.0	10631.1	10693.1
20°	9161.5	9200.0	9201.7	9243.6	9565.3	9582.1	9526.8	9431.3	9350.8	9335.7
22.5°	7775.6	7834.3	7859.4	7896.3	7929.8	8174.4	8109.1	7954.9	7859.4	7830.9
25°	5836.7	5816.6	5980.8	6282.5	6331.1	6361.2	6344.5	6264.0	6202.0	6213.8
27.5°	4033.6	4068.8	4062.1	4065.4	4385.5	4383.8	4378.8	4308.4	4290.0	4263.2
30°	2255.6	2238.8	2247.2	2225.4	2180.2	2235.5	2146.7	2222.1	2148.3	2171.8
32.5°	1333.9	1322.2	1310.5	1315.5	1282.0	1199.9	1164.7	1216.6	1199.9	1193.2
35°	851.3	856.3	871.4	869.7	839.6	792.6	742.4	789.3	782.6	762.5
37.5°	543.0	543.0	548.0	591.5	566.4	526.2	491.0	511.1	509.4	506.1
40°	385.4	385.4	392.1	403.9	390.5	370.3	350.2	350.2	353.6	343.5
42.5°	286.6	286.6	293.3	300.0	283.2	276.5	266.4	259.7	268.1	259.7
45°	224.6	222.9	224.6	221.2	211.1	211.1	202.8	192.7	202.8	197.7
47.5°	184.3	182.7	181.0	174.3	164.2	165.9	162.6	154.2	159.2	157.5
50°	160.9	157.5	159.2	152.5	144.1	142.4	142.4	134.1	135.7	135.7
52.5°	140.8	140.8	139.1	135.7	132.4	125.7	127.4	119.0	119.0	119.0
55°	132.4	132.4	129.0	122.3	124.0	119.0	114.0	108.9	107.2	107.2
57.5°	130.7	130.7	129.0	122.3	117.3	115.6	108.9	102.2	97.2	98.9
60°	127.4	127.4	124.0	122.3	114.0	110.6	100.5	95.5	88.8	88.8
62.5°	122.3	120.7	114.0	103.9	103.9	95.5	88.8	78.8	73.7	72.1
65°	103.9	102.2	97.2	88.8	83.8	78.8	68.7	58.7	55.3	50.3
67.5°	85.5	85.5	82.1	73.7	70.4	63.7	51.9	45.2	36.9	33.5
70°	70.4	70.4	67.0	62.0	58.7	50.3	40.2	33.5	25.1	21.8
72.5°	57.0	57.0	53.6	50.3	46.9	41.9	33.5	25.1	16.8	13.4
75°	45.2	45.2	43.6	40.2	36.9	33.5	26.8	20.1	11.7	6.7
77.5°	36.9	36.9	35.2	33.5	30.2	26.8	21.8	16.8	8.4	3.4
80°	28.5	28.5	28.5	28.5	25.1	21.8	18.4	13.4	6.7	1.7
82.5°	20.1	20.1	21.8	25.1	20.1	16.8	16.8	13.4	5.0	1.7
85°	13.4	15.1	16.8	15.1	13.4	13.4	23.5	21.8	5.0	1.7
87.5°	6.7	6.7	6.7	6.7	6.7	5.0	6.7	5.0	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°
27784.4
27574.9
27308.4
26785.6
26004.7
24828.3
23537.9
22095.1
20354.0
18859.2
17392.9
14001.1
11903.0
10550.7
9238.6
7728.7
6173.6
4166.0
2200.3
1176.4
740.7
499.4
340.2
258.1
197.7
157.5
137.4
119.0
105.6
98.9
83.8
68.7
48.6
31.8
20.1
11.7
5.0
3.4
1.7
1.7
1.7
0.0
0.0

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