

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: P636277

Luminaire Tested: **IFLD-S-SA2E-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636277
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-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: 10712.8 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

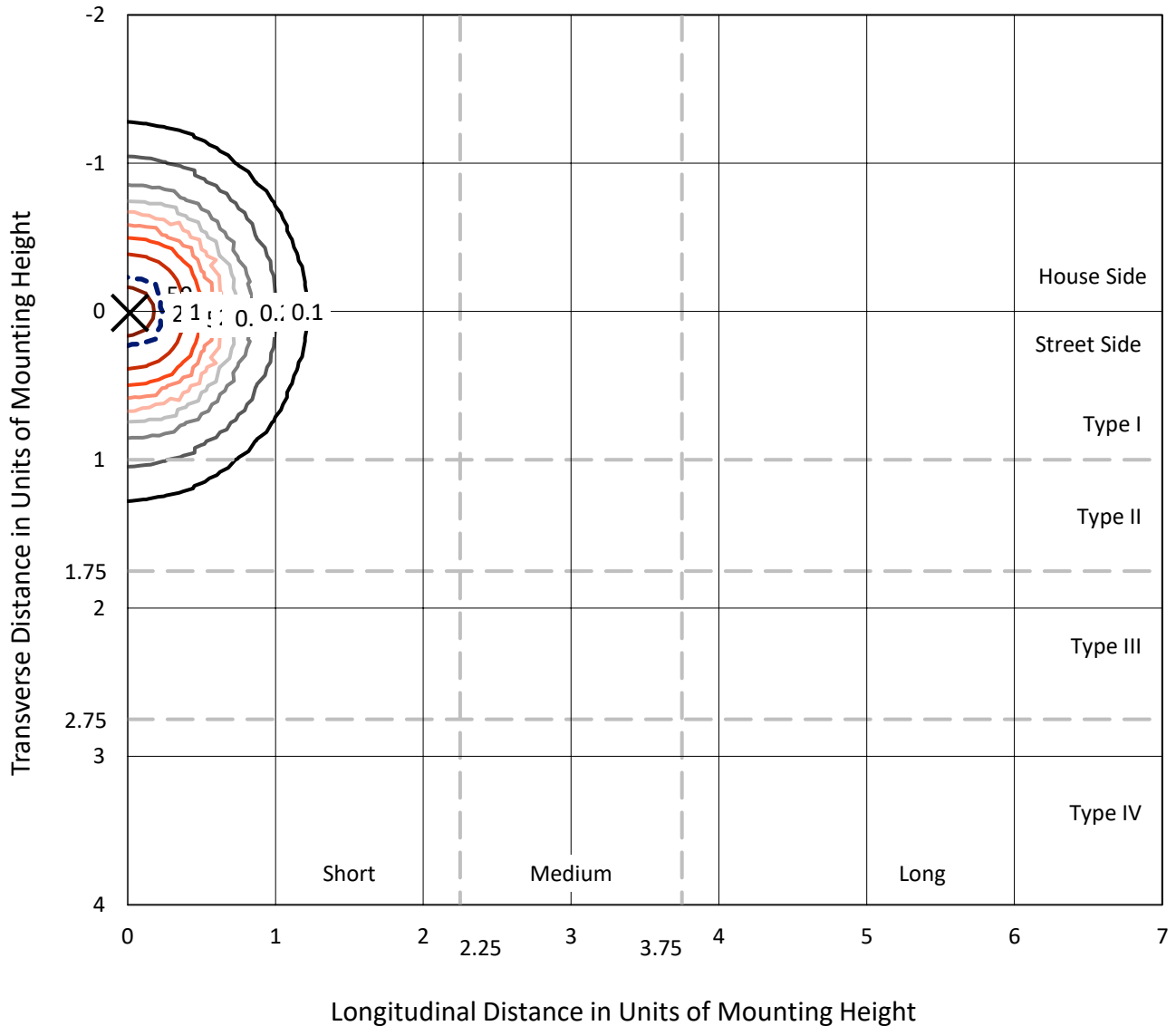
Input Watts (W): 156.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

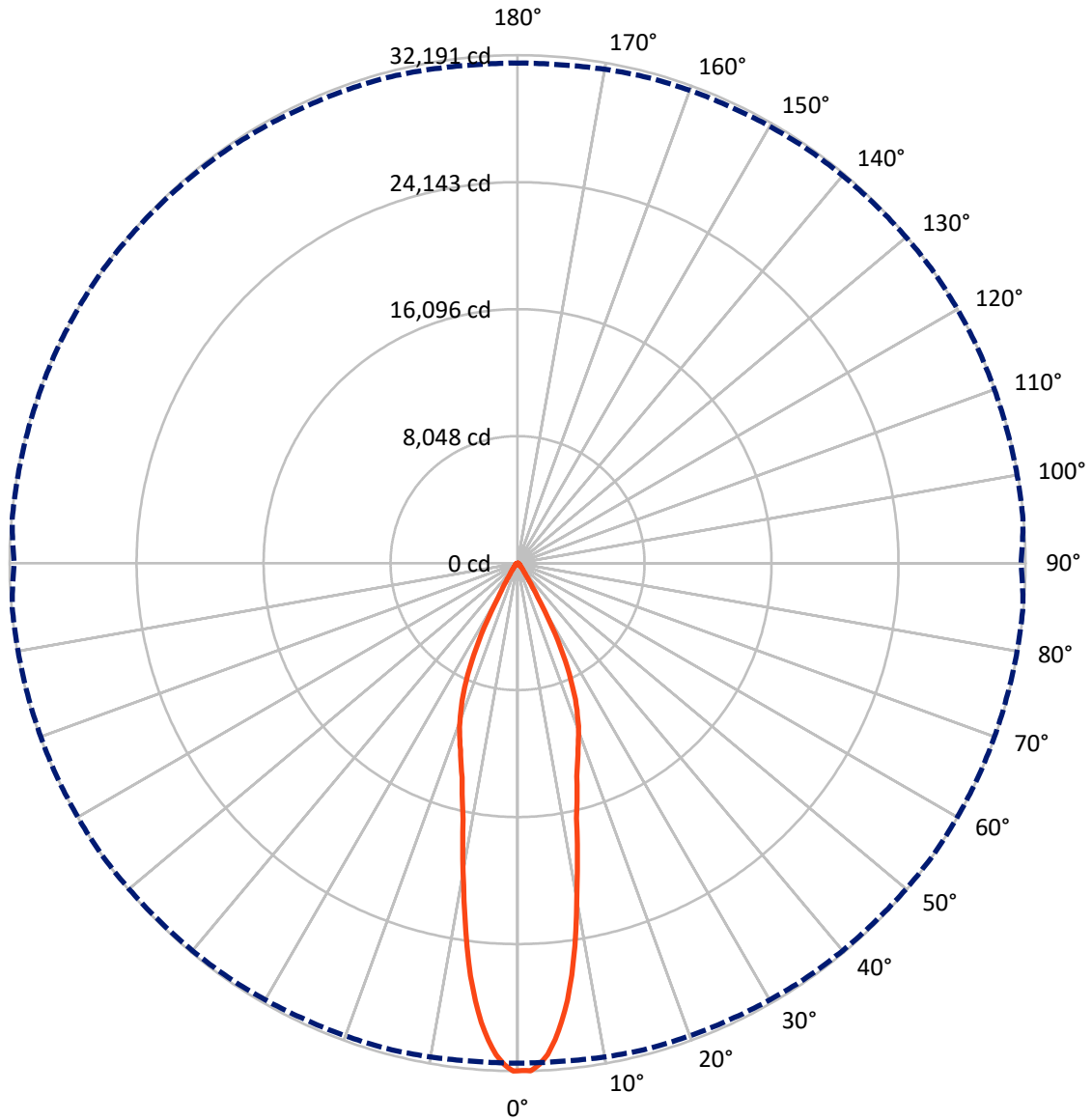
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 80.4 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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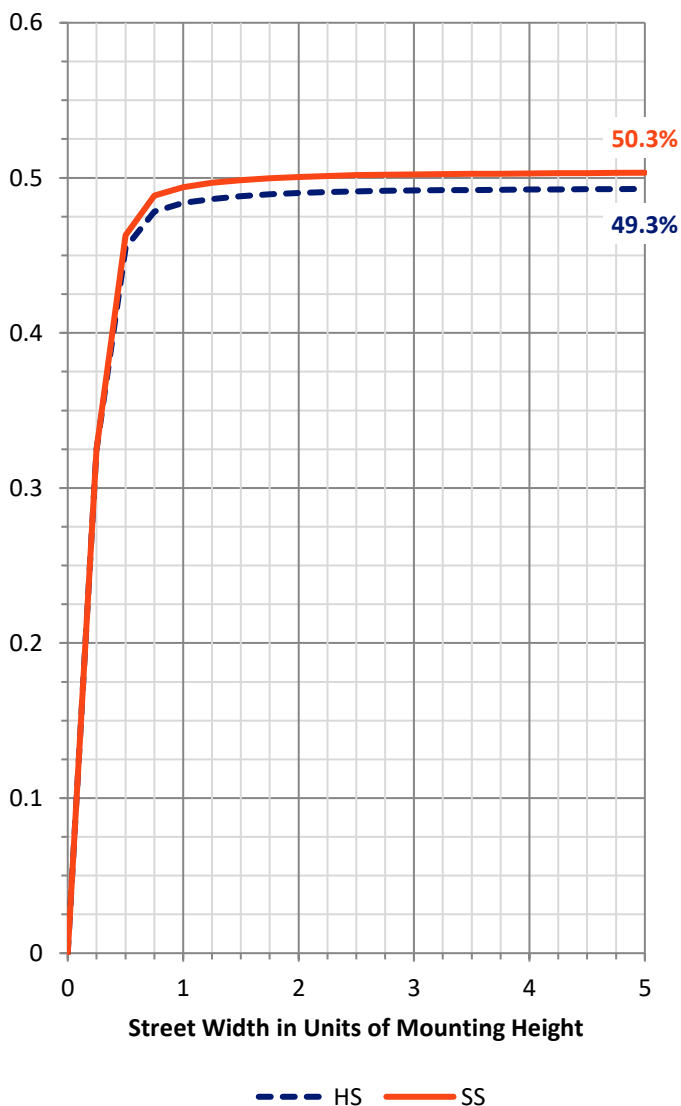
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5356.4	0.0	5356.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5356.4	0.0	5356.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	10712.8	0.0	10712.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2446.5	22.8
10°-20°	3995.8	37.3
20°-30°	3122.4	29.1
30°-40°	680.6	6.4
40°-50°	201.5	1.9
50°-60°	126.0	1.2
60°-70°	88.1	0.8
70°-80°	37.8	0.4
80°-90°	14.0	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°	10712.8	100.0
0°-180°	10712.8	100.0



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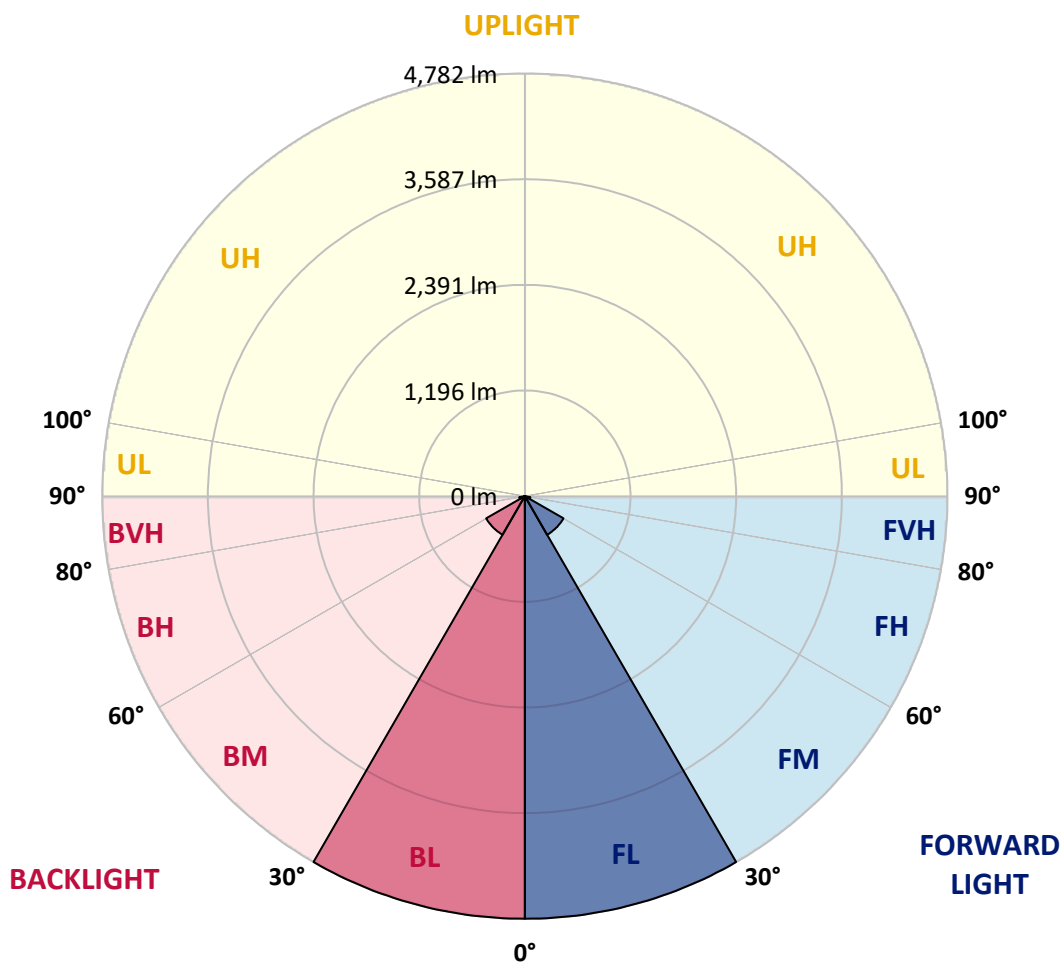
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4782.3	44.6			
FM (30°-60°)	504.1	4.7			
FH (60°-80°)	63.0	0.6			G0/660
FVH (80°-90°)	7.0	0.1			G0/10
BL (0°-30°)	4782.3	44.6	B4/5000		
BM (30°-60°)	504.1	4.7	B1/1000		
BH (60°-80°)	63.0	0.6	B0/110		G0/660
BVH (80°-90°)	7.0	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°	32154.4	32154.4	32154.4	32154.4	32154.4	32154.4	32154.4	32154.4	32154.4	32154.4
1°	31688.9	31692.8	31865.4	31904.2	32022.5	32082.6	32191.2	32179.6	32146.6	32150.5
2°	31105.2	31080.0	31241.0	31419.4	31560.9	31677.3	31807.2	31834.4	31803.4	31832.5
3°	30145.2	30108.4	30333.3	30556.4	30802.7	31002.4	31198.3	31206.0	31169.2	31167.3
4°	28882.7	28814.8	29082.5	29480.0	29790.3	30056.0	30300.4	30296.5	30246.1	30286.8
5°	27356.4	27271.1	27618.3	28141.9	28601.5	28921.5	29191.1	29127.1	29010.7	29016.5
6°	25483.0	25566.4	25991.1	26726.2	27269.2	27534.9	27866.5	27746.2	27544.6	27523.2
7°	23722.1	23910.2	24249.6	25135.9	25781.7	26061.0	26342.2	26099.7	25826.3	25781.7
8°	21868.1	22182.3	22651.6	23468.0	24156.5	24437.7	24544.4	24284.5	23991.7	23980.0
9°	20365.1	20580.4	20983.7	21703.2	22403.3	22591.5	22614.7	22387.8	22095.0	22114.4
10°	18997.9	19038.6	19387.7	20006.3	20566.8	20700.6	20694.8	20529.9	20289.5	20353.5
12.5°	15937.6	16048.1	16148.9	16346.8	16534.9	16622.1	16589.2	16521.3	16389.4	16395.2
15°	13860.5	13858.6	13870.2	13961.4	14017.6	14027.3	14027.3	13942.0	13885.7	13969.1
17.5°	12027.8	12128.7	12309.0	12382.7	12456.4	12429.3	12378.9	12340.1	12303.2	12375.0
20°	10602.4	10647.0	10649.0	10697.4	11069.8	11089.2	11025.2	10914.6	10821.6	10804.1
22.5°	8998.6	9066.5	9095.5	9138.2	9177.0	9460.1	9384.5	9206.1	9095.5	9062.6
25°	6754.7	6731.5	6921.5	7270.6	7326.9	7361.8	7342.4	7249.3	7177.5	7191.1
27.5°	4668.0	4708.7	4701.0	4704.9	5075.3	5073.3	5067.5	4986.1	4964.7	4933.7
30°	2610.4	2591.0	2600.7	2575.5	2523.1	2587.1	2484.3	2571.6	2486.2	2513.4
32.5°	1543.7	1530.1	1516.6	1522.4	1483.6	1388.6	1347.8	1408.0	1388.6	1380.8
35°	985.2	991.0	1008.5	1006.5	971.6	917.3	859.1	913.4	905.7	882.4
37.5°	628.3	628.3	634.2	684.6	655.5	609.0	568.2	591.5	589.6	585.7
40°	446.0	446.0	453.8	467.4	451.9	428.6	405.3	405.3	409.2	397.6
42.5°	331.6	331.6	339.4	347.1	327.7	320.0	308.4	300.6	310.3	300.6
45°	259.9	257.9	259.9	256.0	244.4	244.4	234.7	223.0	234.7	228.8
47.5°	213.3	211.4	209.4	201.7	190.1	192.0	188.1	178.4	184.2	182.3
50°	186.2	182.3	184.2	176.5	166.8	164.8	164.8	155.1	157.1	157.1
52.5°	162.9	162.9	161.0	157.1	153.2	145.5	147.4	137.7	137.7	137.7
55°	153.2	153.2	149.3	141.6	143.5	137.7	131.9	126.1	124.1	124.1
57.5°	151.3	151.3	149.3	141.6	135.8	133.8	126.1	118.3	112.5	114.4
60°	147.4	147.4	143.5	141.6	131.9	128.0	116.4	110.5	102.8	102.8
62.5°	141.6	139.6	131.9	120.2	120.2	110.5	102.8	91.1	85.3	83.4
65°	120.2	118.3	112.5	102.8	97.0	91.1	79.5	67.9	64.0	58.2
67.5°	98.9	98.9	95.0	85.3	81.5	73.7	60.1	52.4	42.7	38.8
70°	81.5	81.5	77.6	71.8	67.9	58.2	46.5	38.8	29.1	25.2
72.5°	65.9	65.9	62.1	58.2	54.3	48.5	38.8	29.1	19.4	15.5
75°	52.4	52.4	50.4	46.5	42.7	38.8	31.0	23.3	13.6	7.8
77.5°	42.7	42.7	40.7	38.8	34.9	31.0	25.2	19.4	9.7	3.9
80°	33.0	33.0	33.0	33.0	29.1	25.2	21.3	15.5	7.8	1.9
82.5°	23.3	23.3	25.2	29.1	23.3	19.4	19.4	15.5	5.8	1.9
85°	15.5	17.5	19.4	17.5	15.5	15.5	27.2	25.2	5.8	1.9
87.5°	7.8	7.8	7.8	7.8	7.8	5.8	7.8	5.8	3.9	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°
32154.4
31912.0
31603.6
30998.5
30094.8
28733.4
27240.1
25570.3
23555.3
21825.4
20128.5
16203.3
13775.2
12210.1
10691.6
8944.3
7144.6
4821.2
2546.4
1361.4
857.2
577.9
393.7
298.7
228.8
182.3
159.0
137.7
122.2
114.4
97.0
79.5
56.2
36.8
23.3
13.6
5.8
3.9
1.9
1.9
1.9
0.0
0.0

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