

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: P636132

Luminaire Tested: **IFLD-S-SA2E-927-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636132  
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-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (32) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10965.7 lumens  
Efficiency: N/A  
Efficacy: 70.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

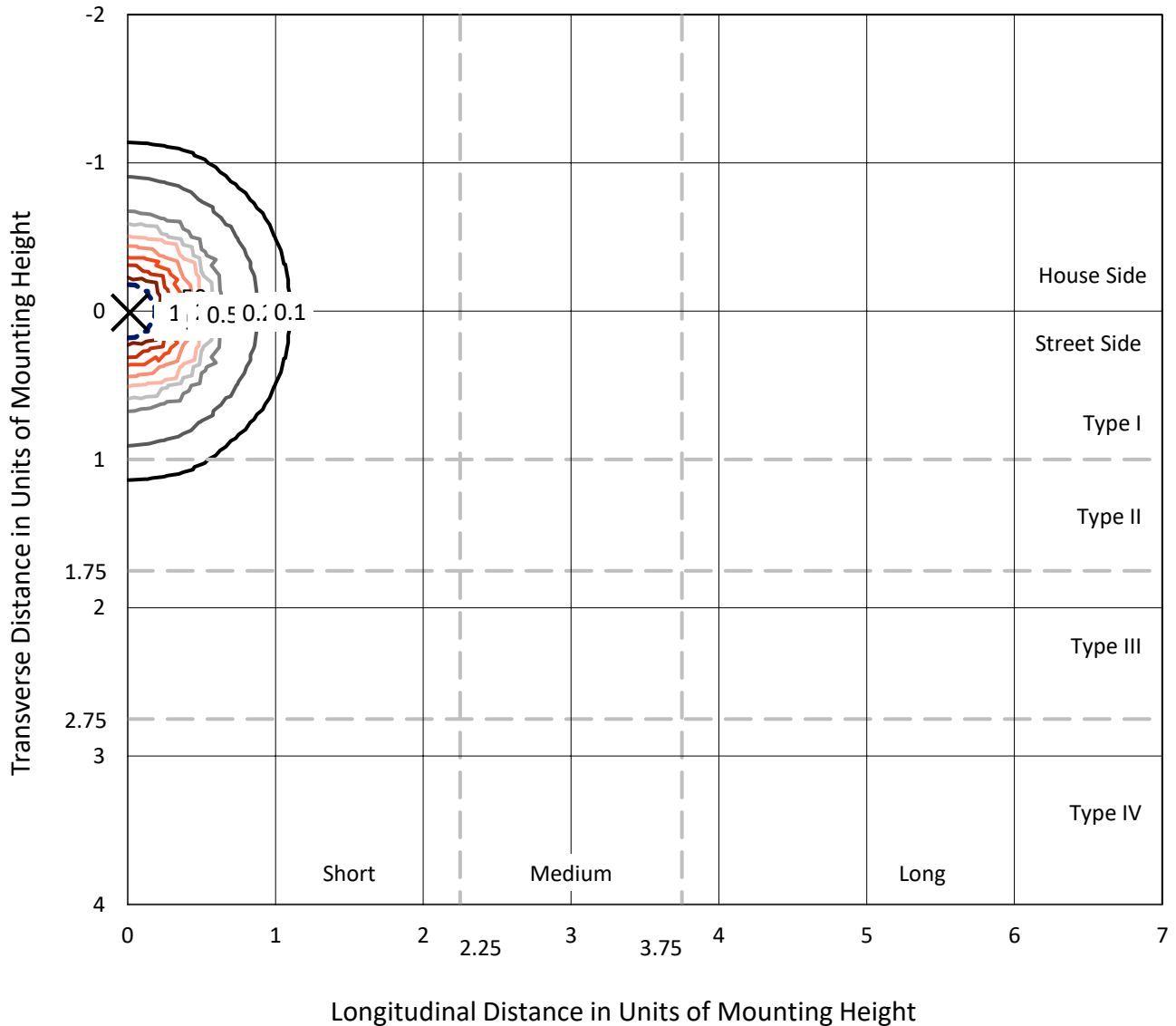
Input Watts (W): 156.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

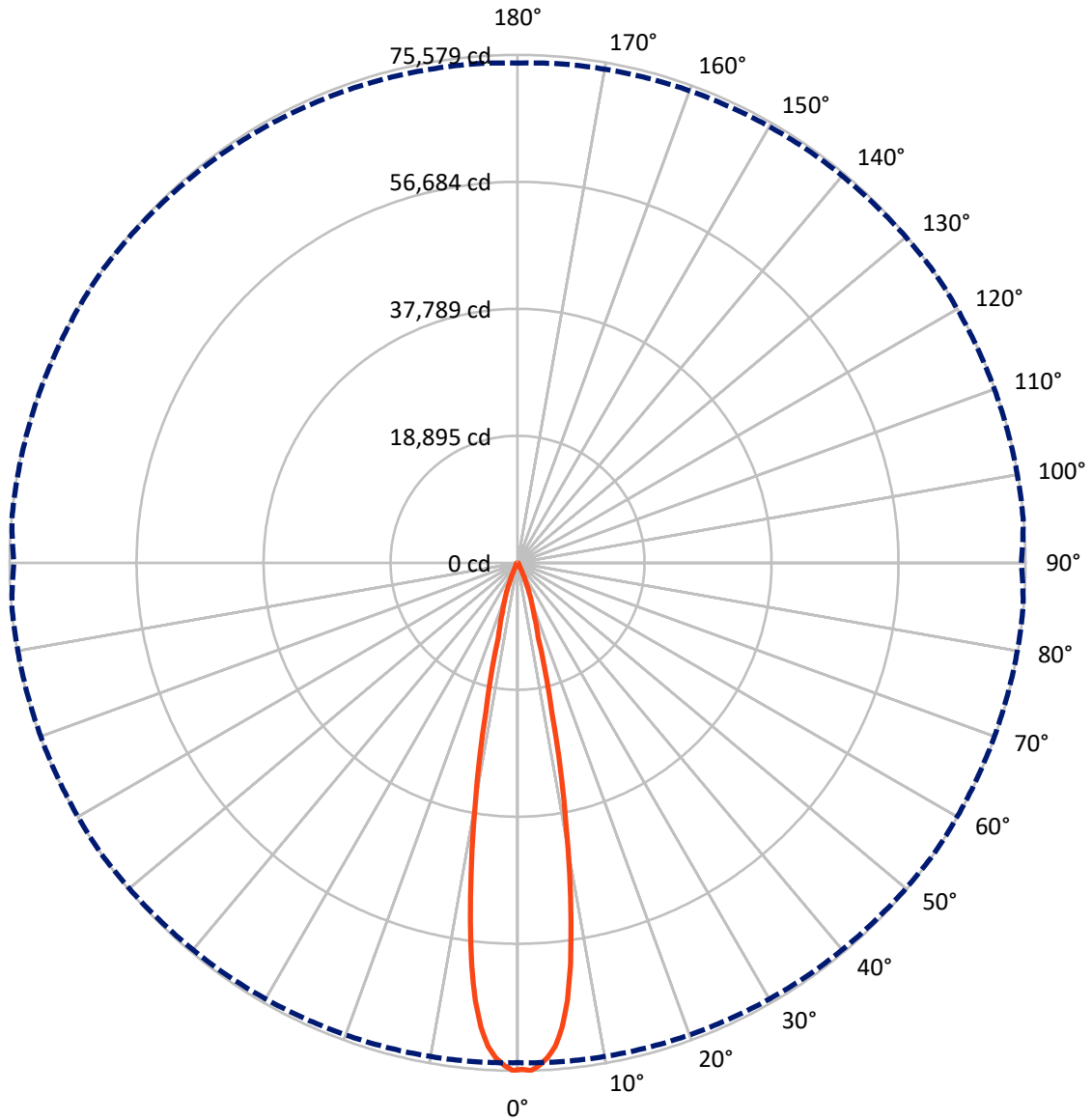
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 188.5 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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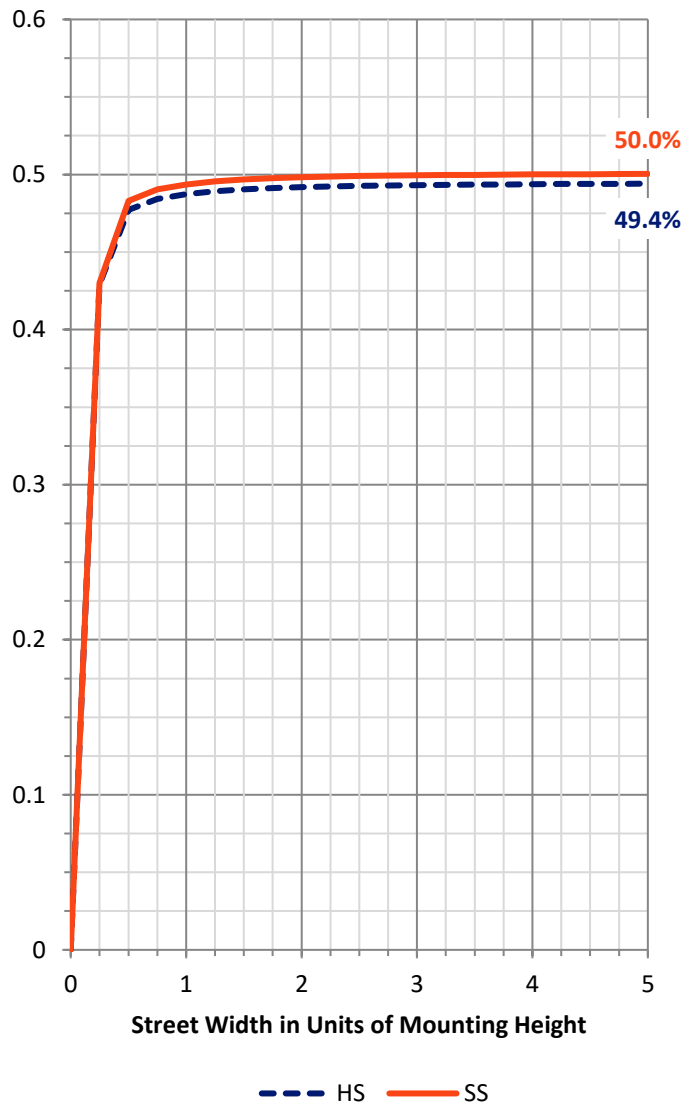
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5482.8	0.0	5482.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5482.8	0.0	5482.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10965.7	0.0	10965.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5571.4	50.8
10°-20°	3948.5	36.0
20°-30°	925.2	8.4
30°-40°	193.4	1.8
40°-50°	124.8	1.1
50°-60°	92.4	0.8
60°-70°	62.8	0.6
70°-80°	33.5	0.3
80°-90°	13.7	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°	10965.7	100.0
0°-180°	10965.7	100.0

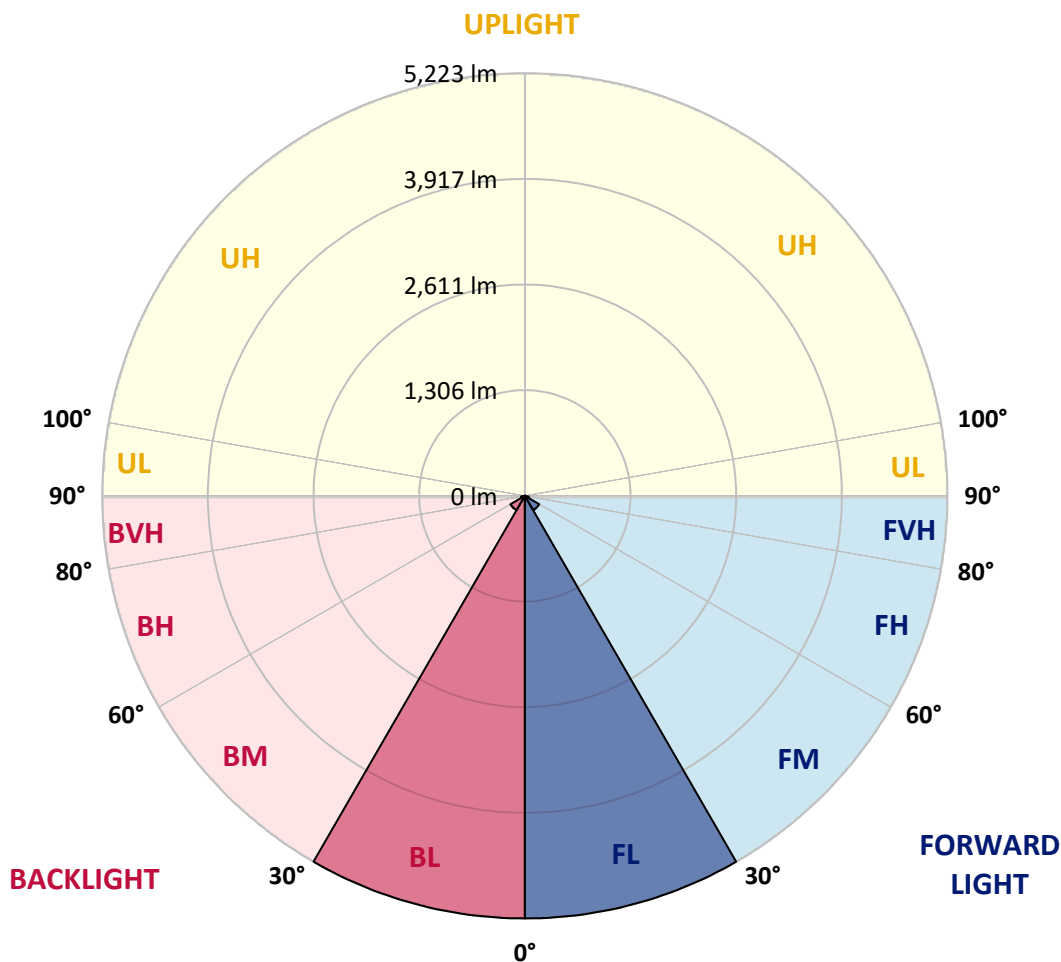


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5222.5	47.6			
FM (30°-60°)	205.3	1.9			
FH (60°-80°)	48.2	0.4			G0/660
FVH (80°-90°)	6.9	0.1			G0/10
BL (0°-30°)	5222.5	47.6	B5		
BM (30°-60°)	205.3	1.9	B0/220		
BH (60°-80°)	48.2	0.4	B0/110		G0/660
BVH (80°-90°)	6.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	75384.9	75384.9	75384.9	75384.9	75384.9	75384.9	75384.9	75384.9	75384.9	75384.9
1°	74370.6	74508.3	74677.0	74830.2	75061.0	75249.1	75578.8	75509.0	75499.3	75512.9
2°	72929.8	73102.4	73362.2	73515.4	74110.8	74355.1	74853.5	75000.9	74882.6	75016.4
3°	70771.4	70912.9	71320.2	71620.8	72392.6	73051.9	73719.0	73940.1	73802.4	73864.5
4°	68201.9	68347.3	68839.9	69452.7	70567.7	71298.9	72097.8	72295.6	71845.7	71876.7
5°	65143.6	65211.5	65814.6	66373.1	67707.3	68593.6	69351.8	69413.9	69002.8	68845.7
6°	61703.4	61581.2	62135.8	62372.4	64030.5	64934.2	65488.8	65417.1	65104.9	64971.0
7°	57615.4	57448.7	57896.6	57768.6	59236.7	59752.5	60285.8	60041.4	59793.2	60101.6
8°	52885.6	52792.5	52503.5	53027.1	53318.0	53779.6	53777.6	53636.1	53628.3	54142.2
9°	46009.0	46868.0	46614.0	47162.8	47089.1	47067.8	46926.2	46835.1	46447.2	47038.7
10°	38457.5	39019.9	39448.4	40266.8	40107.8	40332.7	39545.4	39679.2	39421.3	39910.0
12.5°	19906.5	20538.7	20909.1	21533.5	22220.0	22922.1	22695.2	22460.5	22109.5	22540.0
15°	9799.1	10049.2	10167.5	10801.7	11290.4	11466.8	11494.0	11286.5	11197.3	11290.4
17.5°	6013.6	6100.9	6444.2	7173.3	7596.1	7700.8	7632.9	7406.0	7152.0	7045.3
20°	4353.6	4378.9	4508.8	4650.3	5214.7	5509.4	5400.8	5177.8	4943.2	4832.6
22.5°	2843.0	2868.2	2910.8	2988.4	3139.7	3504.2	3385.9	3234.7	3075.7	3042.7
25°	1609.6	1609.6	1654.2	1733.7	1846.2	1873.3	1896.6	1735.6	1661.9	1629.0
27.5°	897.9	903.7	913.4	944.4	1000.7	994.8	969.6	927.0	876.5	824.2
30°	496.5	502.3	508.1	515.8	525.5	508.1	492.6	484.8	463.5	457.7
32.5°	372.3	372.3	376.2	374.3	364.6	343.2	333.6	345.2	343.2	333.6
35°	306.4	306.4	310.3	318.0	298.6	283.1	275.4	290.9	290.9	285.1
37.5°	250.2	252.1	254.0	263.7	257.9	240.5	238.5	242.4	244.3	242.4
40°	219.1	217.2	217.2	219.1	215.3	211.4	207.5	205.6	207.5	205.6
42.5°	190.0	188.1	192.0	188.1	180.4	182.3	182.3	176.5	178.4	174.5
45°	166.8	164.8	166.8	162.9	157.1	159.0	159.0	151.3	151.3	149.3
47.5°	147.4	147.4	147.4	149.3	139.6	137.7	139.6	137.7	131.9	129.9
50°	128.0	129.9	131.9	135.7	126.1	122.2	122.2	122.2	118.3	116.4
52.5°	118.3	120.2	120.2	120.2	114.4	110.5	110.5	108.6	106.7	104.7
55°	114.4	114.4	114.4	106.7	104.7	102.8	97.0	95.0	93.1	93.1
57.5°	108.6	108.6	106.7	100.8	95.0	95.0	87.3	85.3	83.4	83.4
60°	97.0	97.0	97.0	95.0	87.3	85.3	77.6	73.7	71.8	71.8
62.5°	89.2	89.2	89.2	81.4	79.5	73.7	67.9	62.1	60.1	56.2
65°	81.4	81.4	81.4	73.7	69.8	64.0	56.2	50.4	46.5	40.7
67.5°	75.6	75.6	73.7	67.9	62.1	54.3	46.5	40.7	33.0	29.1
70°	65.9	65.9	64.0	60.1	54.3	48.5	38.8	31.0	25.2	19.4
72.5°	56.2	56.2	54.3	50.4	46.5	40.7	33.0	27.1	17.5	13.6
75°	46.5	46.5	44.6	40.7	38.8	34.9	29.1	21.3	13.6	5.8
77.5°	38.8	38.8	36.8	34.9	33.0	29.1	25.2	17.5	9.7	3.9
80°	29.1	31.0	31.0	31.0	27.1	25.2	23.3	17.5	7.8	1.9
82.5°	21.3	23.3	23.3	23.3	21.3	19.4	21.3	15.5	7.8	1.9
85°	15.5	15.5	17.5	17.5	17.5	17.5	23.3	17.5	5.8	1.9
87.5°	7.8	7.8	7.8	7.8	7.8	9.7	11.6	9.7	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°  
75384.9  
74971.8  
74508.3  
73399.1  
71415.2  
68518.0  
64670.5  
60006.5  
52716.9  
45935.3  
38657.2  
21374.5  
10856.0  
6896.0  
4747.3  
2974.8  
1601.8  
826.1  
457.7  
327.7  
283.1  
242.4  
207.5  
176.5  
149.3  
129.9  
114.4  
102.8  
91.1  
83.4  
69.8  
52.4  
40.7  
27.1  
19.4  
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