

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: P524141

Luminaire Tested: **IFLD-S-SA2C-935-U-66**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P524141  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-935-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66  
distribution lens  
Light Source: (32) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

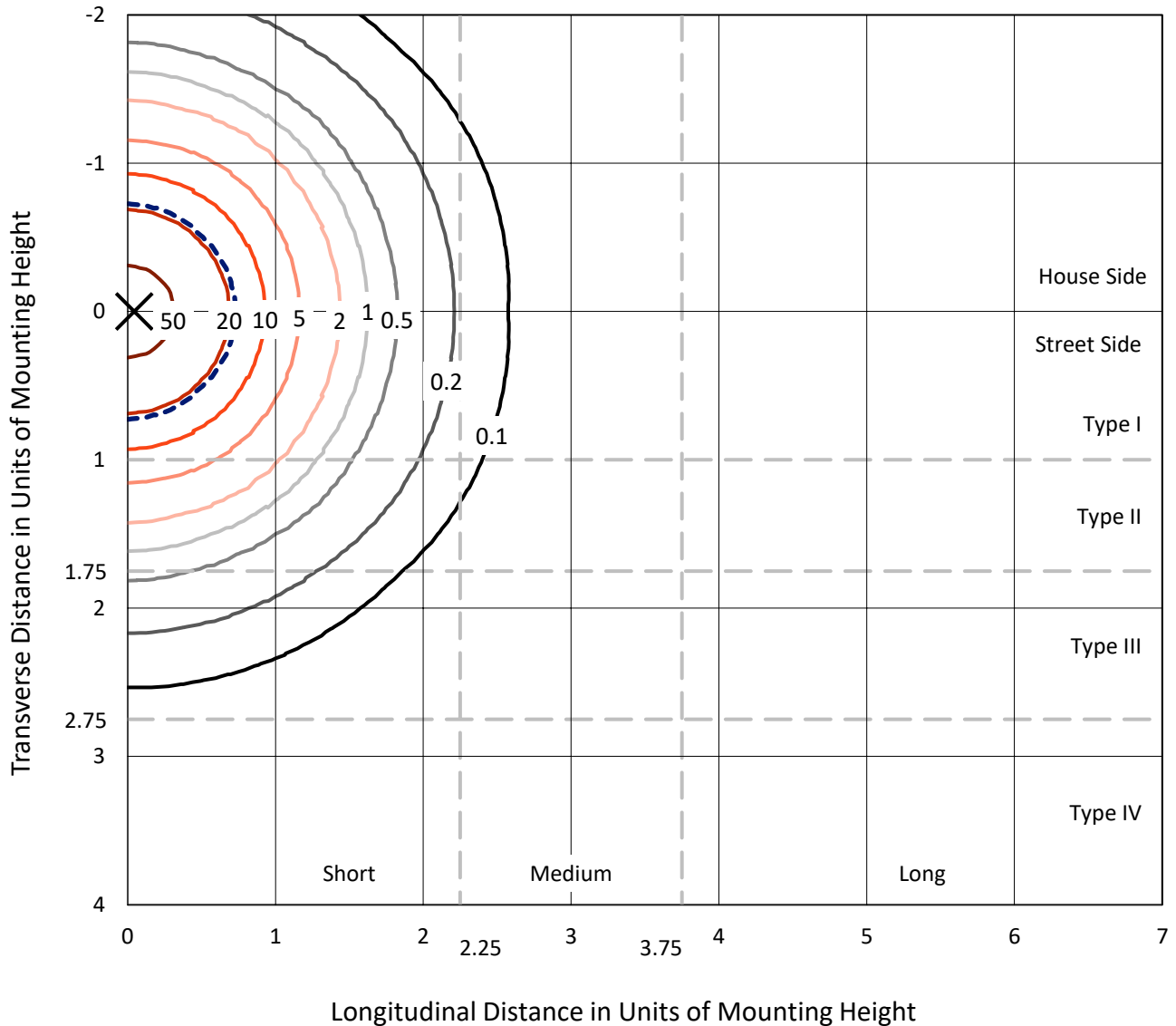
Lumens per Lamp: N/A  
Luminaire Lumens: 9792.2 lumens  
Efficiency: N/A  
Efficacy: 90.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 108.2  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

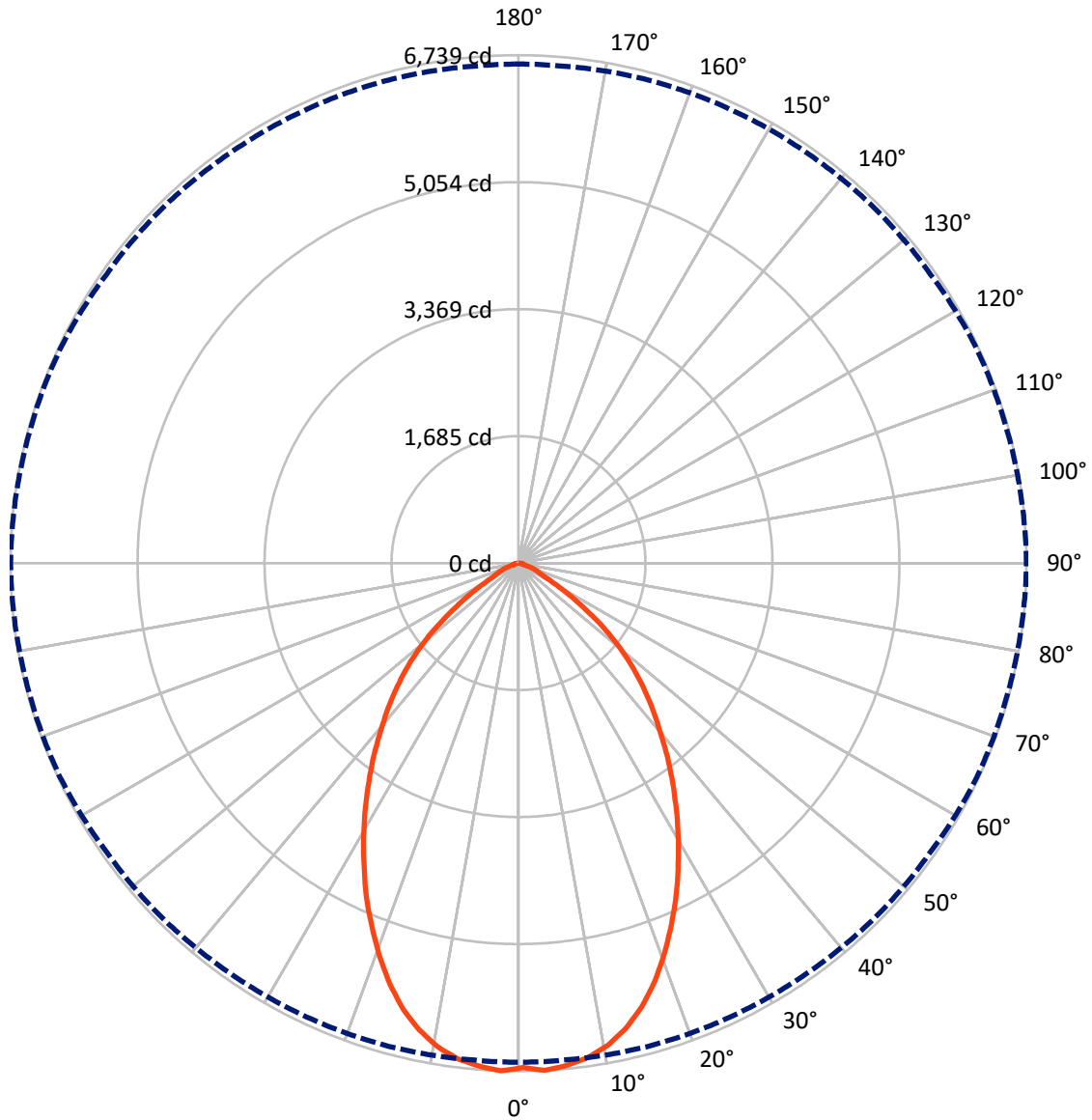
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 66.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

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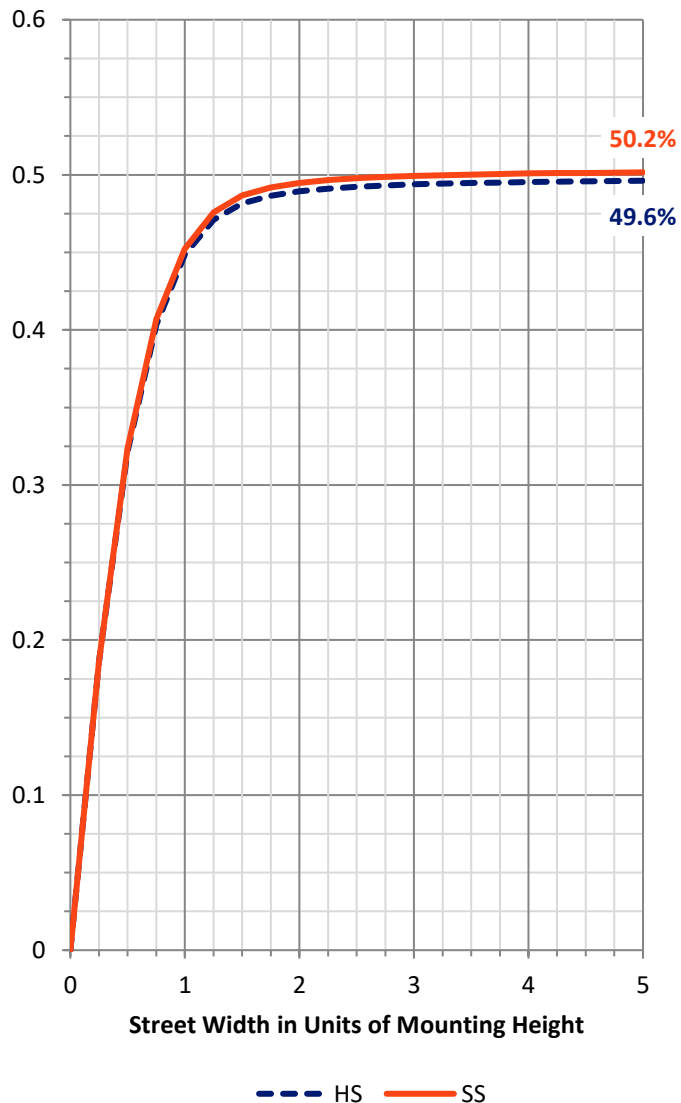
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4896.1	0.0	4896.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4896.1	0.0	4896.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9792.2	0.0	9792.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	628.3	6.4
10°-20°	1688.4	17.2
20°-30°	2184.4	22.3
30°-40°	2154.3	22.0
40°-50°	1743.0	17.8
50°-60°	949.0	9.7
60°-70°	300.7	3.1
70°-80°	116.3	1.2
80°-90°	27.8	0.3
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°	9792.2	100.0
0°-180°	9792.2	100.0

**Coefficient of Utilization**



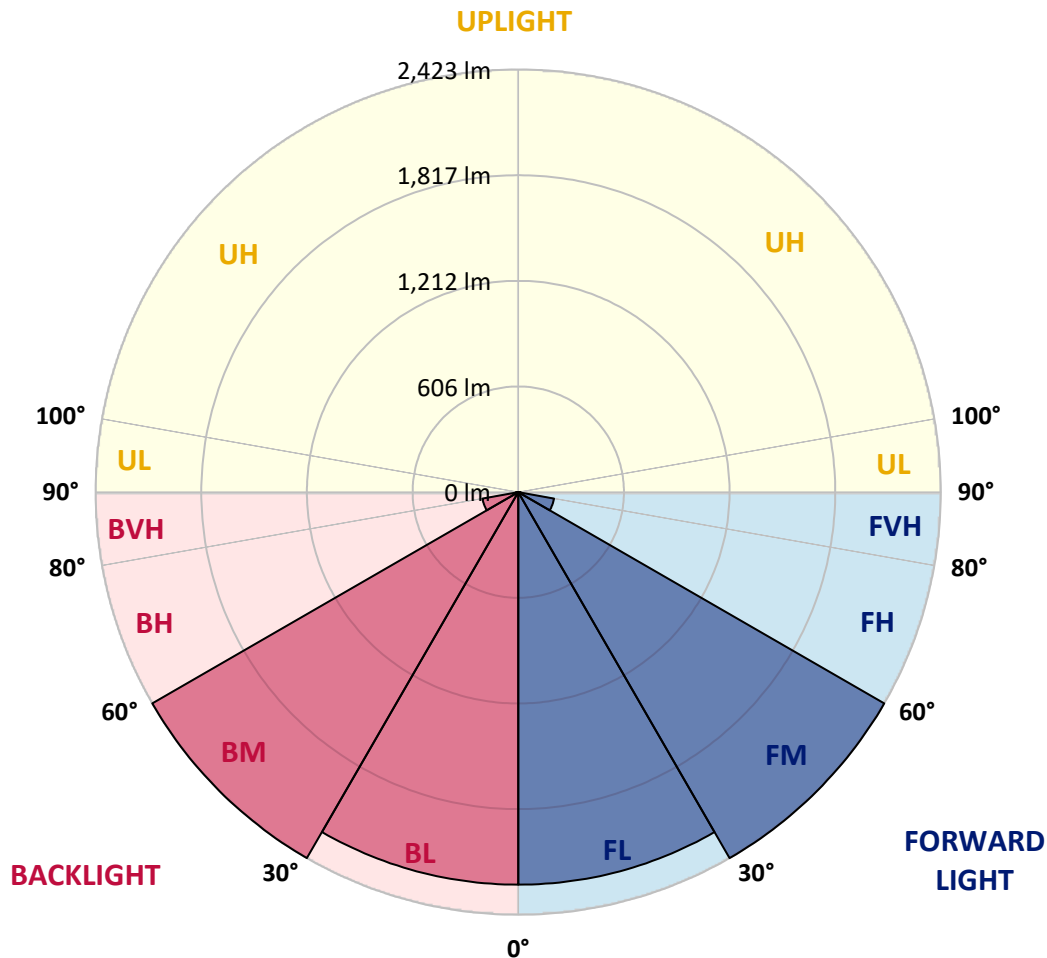
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2250.5	23.0			
FM (30°-60°)	2423.1	24.7			
FH (60°-80°)	208.5	2.1			G0/660
FVH (80°-90°)	13.9	0.1			G1/100
BL (0°-30°)	2250.5	23.0	B3/2500		
BM (30°-60°)	2423.1	24.7	B2/2500		
BH (60°-80°)	208.5	2.1	B1/500		G0/660
BVH (80°-90°)	13.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6693.2	6693.2	6693.2	6693.2	6693.2	6693.2	6693.2	6693.2	6693.2	6693.2	6693.2
2.5°	6621.1	6619.7	6636.6	6643.7	6652.2	6669.2	6674.8	6711.6	6715.9	6730.0	6738.5
5°	6609.8	6604.1	6621.1	6623.9	6633.8	6636.6	6645.1	6670.6	6667.8	6689.0	6693.2
7.5°	6548.9	6541.9	6556.0	6558.8	6573.0	6568.7	6582.9	6601.3	6601.3	6616.8	6623.9
10°	6413.1	6411.7	6425.8	6427.3	6447.1	6442.8	6465.5	6469.7	6481.0	6492.3	6505.1
12.5°	6250.4	6232.0	6250.4	6243.3	6270.2	6254.7	6285.8	6295.7	6301.3	6321.2	6331.1
15°	6041.0	6018.4	6031.1	6024.1	6041.0	6021.2	6053.8	6073.6	6080.6	6100.4	6110.4
17.5°	5760.9	5742.5	5745.3	5735.4	5746.8	5731.2	5762.3	5793.4	5803.3	5824.6	5838.7
20°	5408.6	5408.6	5410.0	5401.6	5411.5	5395.9	5415.7	5463.8	5473.7	5502.0	5526.1
22.5°	5064.8	5064.8	5069.1	5057.8	5060.6	5053.5	5074.7	5121.4	5137.0	5166.7	5196.4
25°	4735.2	4729.5	4732.4	4722.5	4711.2	4714.0	4739.4	4769.2	4803.1	4841.3	4863.9
27.5°	4421.1	4428.2	4411.2	4404.2	4395.7	4380.1	4409.8	4446.6	4470.6	4501.8	4513.1
30°	4085.8	4100.0	4087.2	4081.6	4060.4	4040.6	4071.7	4108.5	4132.5	4162.2	4175.0
32.5°	3787.3	3783.1	3771.8	3759.0	3737.8	3722.2	3735.0	3777.4	3795.8	3826.9	3831.2
35°	3467.6	3464.7	3457.7	3432.2	3425.1	3406.7	3418.1	3454.8	3469.0	3487.4	3501.5
37.5°	3154.9	3145.0	3142.2	3132.3	3119.5	3115.3	3115.3	3135.1	3149.3	3167.6	3181.8
40°	2845.1	2847.9	2839.4	2830.9	2826.7	2821.0	2822.4	2833.8	2845.1	2853.6	2862.1
42.5°	2565.0	2549.4	2543.7	2535.3	2539.5	2546.6	2531.0	2548.0	2562.1	2562.1	2580.5
45°	2243.8	2250.9	2253.7	2267.9	2267.9	2260.8	2255.1	2263.6	2277.8	2276.4	2294.7
47.5°	1963.7	1955.2	1962.3	1983.5	2001.9	2004.7	1987.7	1992.0	1996.2	1989.2	2006.1
50°	1656.7	1659.5	1658.1	1690.6	1727.4	1714.7	1702.0	1706.2	1704.8	1704.8	1707.6
52.5°	1322.8	1329.9	1321.4	1368.1	1407.7	1397.8	1389.3	1389.3	1396.4	1395.0	1393.5
55°	1018.6	1015.8	997.4	1020.0	1055.4	1056.8	1044.1	1049.8	1056.8	1063.9	1062.5
57.5°	758.3	749.8	724.4	725.8	765.4	775.3	764.0	762.6	771.0	773.9	789.4
60°	510.7	509.3	486.7	485.3	500.8	527.7	515.0	515.0	517.8	522.0	526.3
62.5°	349.4	352.3	343.8	342.4	345.2	367.8	366.4	365.0	363.6	369.3	367.8
65°	274.5	275.9	273.0	273.0	274.5	284.4	294.3	295.7	297.1	298.5	297.1
67.5°	220.7	222.1	219.3	222.1	222.1	223.5	237.7	243.3	244.8	244.8	243.3
70°	169.8	175.4	178.3	178.3	178.3	178.3	188.2	195.2	193.8	185.3	176.8
72.5°	84.9	103.3	142.9	144.3	142.9	141.5	147.1	154.2	152.8	107.5	80.6
75°	56.6	60.8	111.8	117.4	116.0	110.4	116.0	124.5	121.7	69.3	66.5
77.5°	32.5	35.4	75.0	86.3	93.4	80.6	92.0	100.4	96.2	56.6	55.2
80°	25.5	24.1	53.8	66.5	63.7	50.9	75.0	80.6	73.6	42.4	38.2
82.5°	15.6	15.6	35.4	50.9	46.7	29.7	52.3	62.2	55.2	31.1	28.3
85°	8.5	9.9	17.0	25.5	26.9	19.8	28.3	34.0	34.0	19.8	19.8
87.5°	4.2	4.2	5.7	5.7	7.1	8.5	8.5	9.9	7.1	5.7	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)