

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: P636386

Luminaire Tested: **IFLD-L-SA8B-940-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636386  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-940-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (128) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27494.3 lumens  
Efficiency: N/A  
Efficacy: 85.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

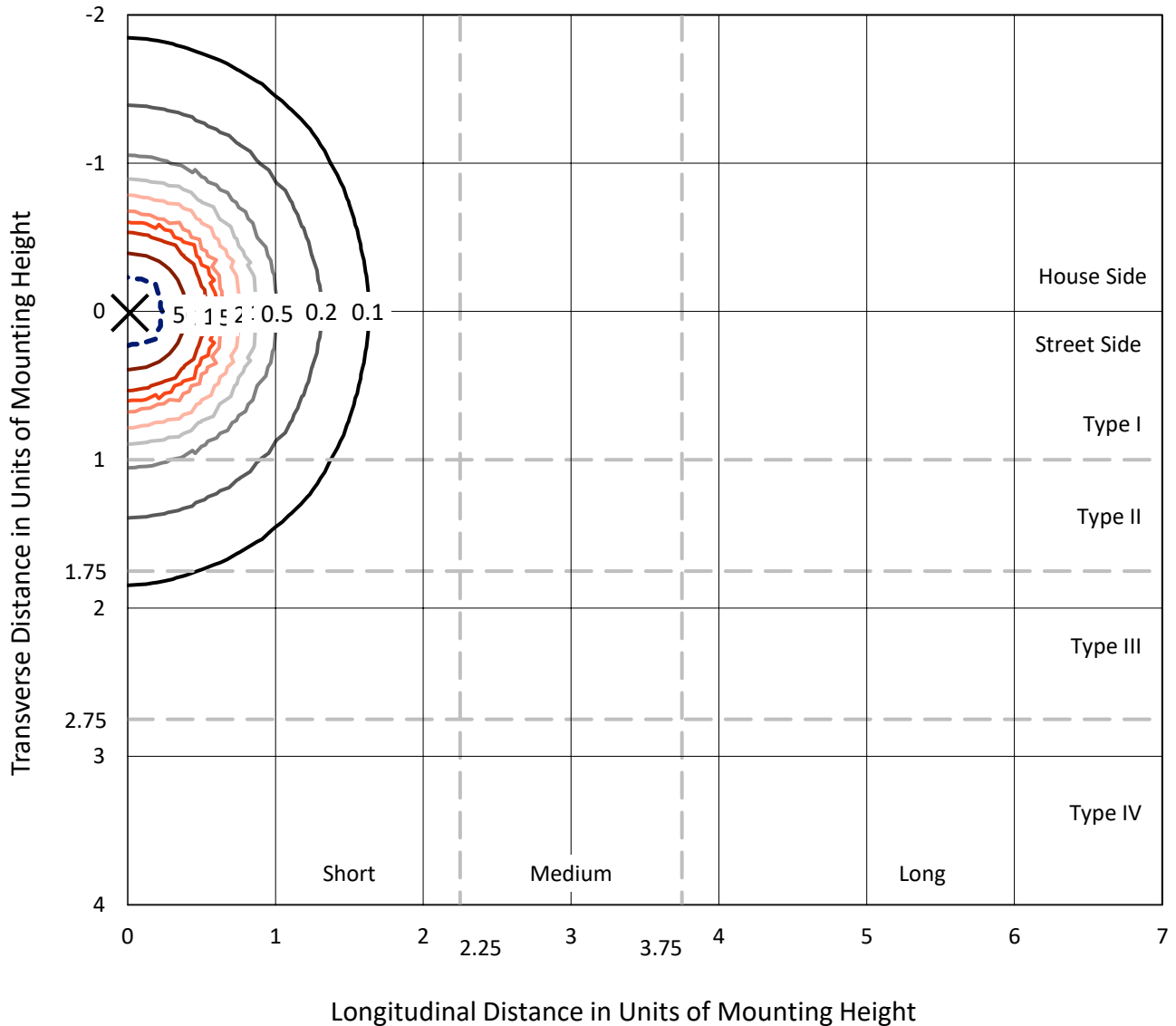
Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

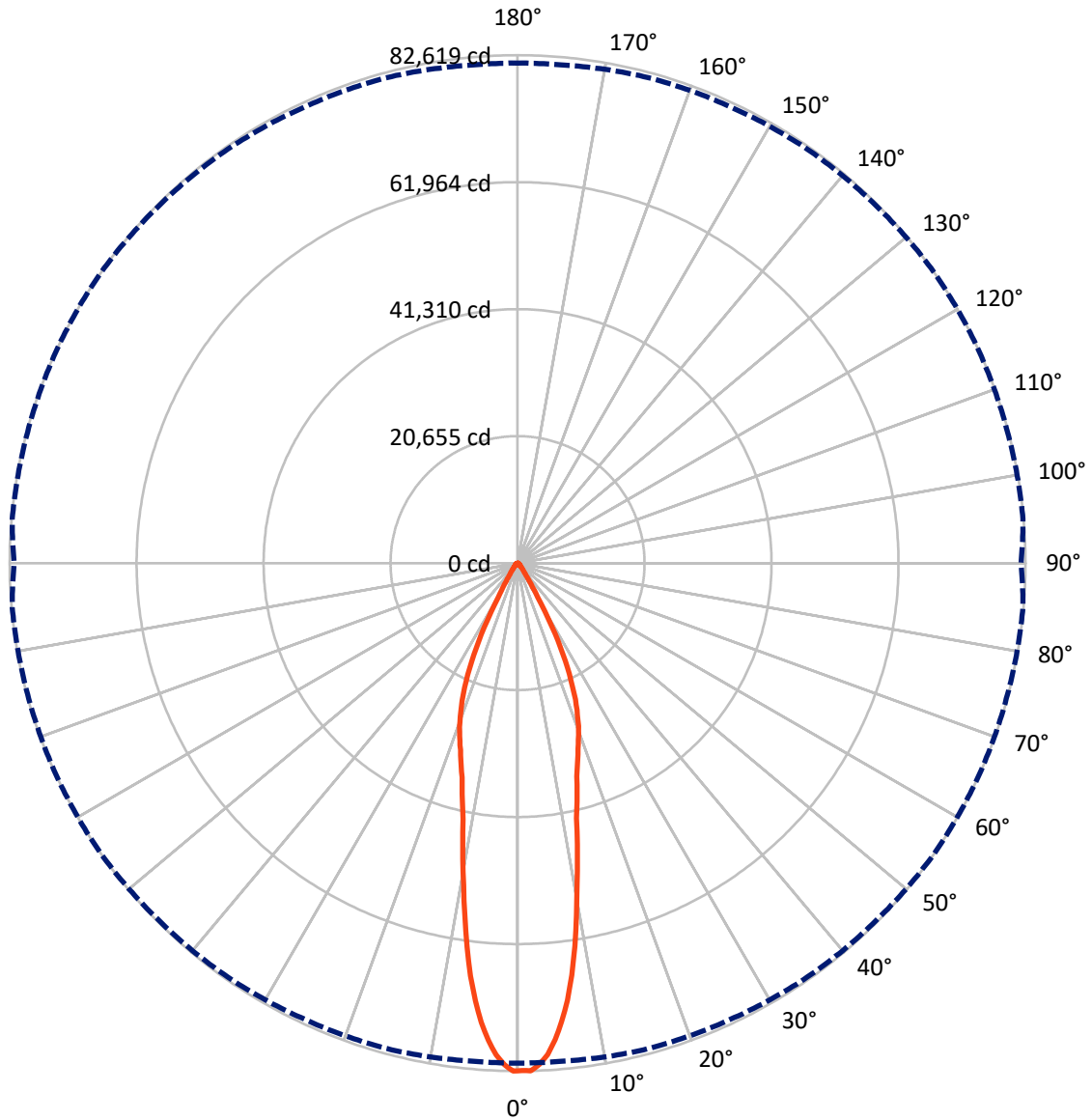
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 206.3 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	13747.2	0.0	13747.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13747.2	0.0	13747.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27494.3	0.0	27494.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6278.9	22.8
10°-20°	10255.2	37.3
20°-30°	8013.7	29.1
30°-40°	1746.8	6.4
40°-50°	517.2	1.9
50°-60°	323.5	1.2
60°-70°	226.2	0.8
70°-80°	97.1	0.4
80°-90°	35.9	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°	27494.3	100.0
0°-180°	27494.3	100.0



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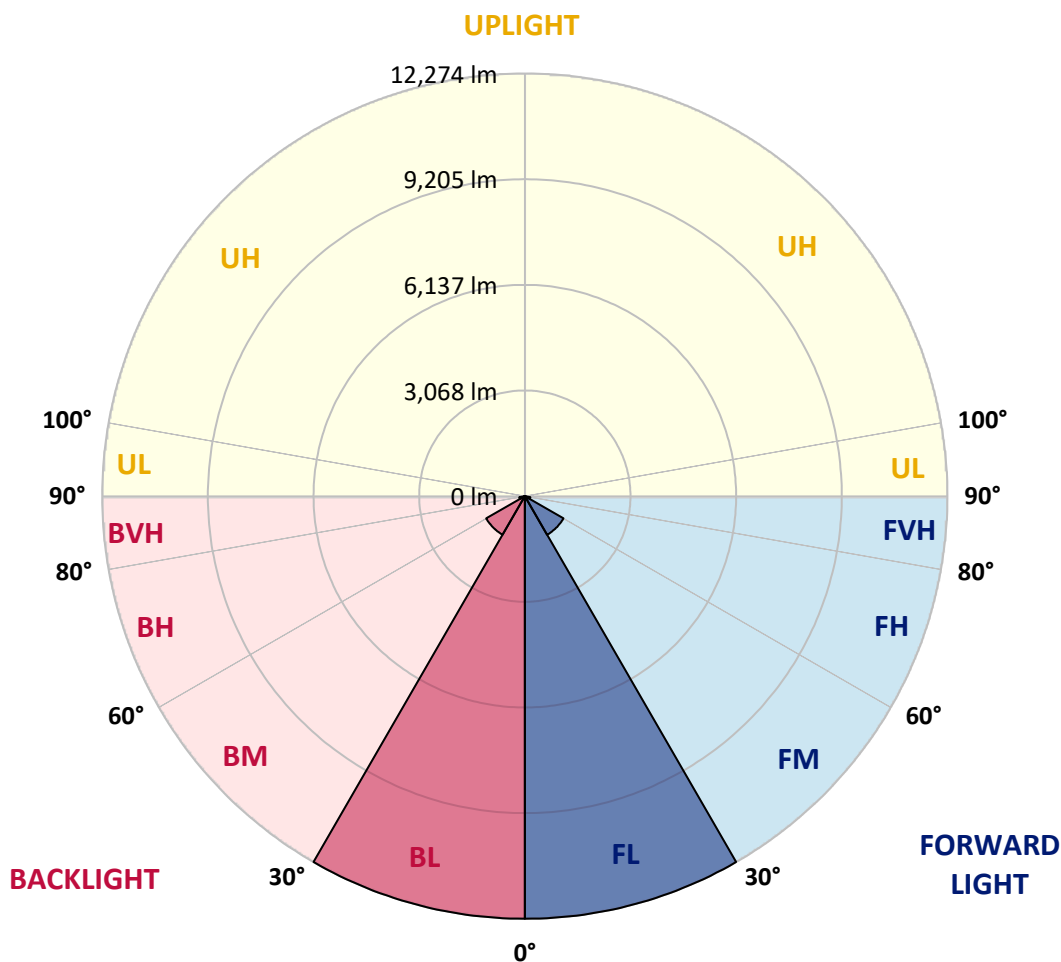
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12273.9	44.6			
FM (30°-60°)	1293.7	4.7			
FH (60°-80°)	161.6	0.6			G0/660
FVH (80°-90°)	17.9	0.1			G1/100
BL (0°-30°)	12273.9	44.6	B5		
BM (30°-60°)	1293.7	4.7	B2/2500		
BH (60°-80°)	161.6	0.6	B1/500		G0/660
BVH (80°-90°)	17.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	82524.5	82524.5	82524.5	82524.5	82524.5	82524.5	82524.5	82524.5	82524.5	82524.5
1°	81329.9	81339.9	81782.9	81882.4	82186.0	82340.3	82619.1	82589.2	82504.6	82514.5
2°	79831.7	79767.0	80180.2	80638.1	81001.4	81300.1	81633.5	81703.2	81623.6	81698.2
3°	77368.0	77273.4	77850.8	78423.2	79055.3	79567.9	80070.7	80090.6	79996.0	79991.0
4°	74127.7	73953.5	74640.4	75660.7	76457.1	77139.0	77766.1	77756.2	77626.8	77731.3
5°	70210.5	69991.5	70882.5	72226.3	73406.0	74227.2	74919.1	74754.8	74456.2	74471.1
6°	65402.4	65616.4	66706.5	68592.9	69986.5	70668.4	71519.6	71211.0	70693.3	70638.6
7°	60883.0	61365.8	62236.8	64511.5	66168.9	66885.6	67607.4	66985.2	66283.4	66168.9
8°	56124.6	56930.9	58135.5	60230.9	61997.9	62719.6	62993.4	62326.4	61574.8	61545.0
9°	52267.2	52819.7	53854.9	55701.5	57498.4	57981.2	58040.9	57458.5	56707.0	56756.7
10°	48758.1	48862.7	49758.6	51346.4	52784.8	53128.3	53113.3	52690.2	52073.1	52237.3
12.5°	40903.9	41187.6	41446.4	41954.1	42436.9	42660.9	42576.3	42402.1	42063.6	42078.5
15°	35573.1	35568.2	35598.0	35832.0	35976.3	36001.2	36001.2	35782.2	35637.8	35851.9
17.5°	30869.5	31128.4	31591.3	31780.4	31969.5	31899.8	31770.4	31670.9	31576.3	31760.5
20°	27211.2	27325.7	27330.6	27455.1	28410.7	28460.5	28296.2	28012.5	27773.6	27728.8
22.5°	23094.9	23269.1	23343.8	23453.3	23552.8	24279.5	24085.4	23627.5	23343.8	23259.2
25°	17336.1	17276.4	17764.2	18660.1	18804.4	18894.0	18844.3	18605.3	18421.2	18456.0
27.5°	11980.5	12085.0	12065.1	12075.1	13025.7	13020.8	13005.8	12796.8	12742.0	12662.4
30°	6699.5	6649.7	6674.6	6609.9	6475.5	6639.8	6376.0	6600.0	6381.0	6450.6
32.5°	3962.0	3927.1	3892.3	3907.2	3807.7	3563.8	3459.3	3613.6	3563.8	3543.9
35°	2528.5	2543.4	2588.2	2583.2	2493.7	2354.3	2205.0	2344.3	2324.4	2264.7
37.5°	1612.7	1612.7	1627.6	1757.0	1682.3	1562.9	1458.4	1518.1	1513.1	1503.2
40°	1144.8	1144.8	1164.7	1199.5	1159.7	1100.0	1040.3	1040.3	1050.2	1020.4
42.5°	851.1	851.1	871.0	890.9	841.2	821.3	791.4	771.5	796.4	771.5
45°	667.0	662.0	667.0	657.0	627.1	627.1	602.3	572.4	602.3	587.3
47.5°	547.5	542.5	537.6	517.6	487.8	492.8	482.8	457.9	472.8	467.9
50°	477.8	467.9	472.8	452.9	428.1	423.1	423.1	398.2	403.2	403.2
52.5°	418.1	418.1	413.1	403.2	393.2	373.3	378.3	353.4	353.4	353.4
55°	393.2	393.2	383.3	363.3	368.3	353.4	338.5	323.5	318.6	318.6
57.5°	388.2	388.2	383.3	363.3	348.4	343.4	323.5	303.6	288.7	293.7
60°	378.3	378.3	368.3	363.3	338.5	328.5	298.6	283.7	263.8	263.8
62.5°	363.3	358.4	338.5	308.6	308.6	283.7	263.8	233.9	219.0	214.0
65°	308.6	303.6	288.7	263.8	248.9	233.9	204.1	174.2	164.3	149.3
67.5°	253.8	253.8	243.9	219.0	209.0	189.1	154.3	134.4	109.5	99.5
70°	209.0	209.0	199.1	184.2	174.2	149.3	119.5	99.5	74.7	64.7
72.5°	169.2	169.2	159.3	149.3	139.4	124.4	99.5	74.7	49.8	39.8
75°	134.4	134.4	129.4	119.5	109.5	99.5	79.6	59.7	34.8	19.9
77.5°	109.5	109.5	104.5	99.5	89.6	79.6	64.7	49.8	24.9	10.0
80°	84.6	84.6	84.6	84.6	74.7	64.7	54.8	39.8	19.9	5.0
82.5°	59.7	59.7	64.7	74.7	59.7	49.8	49.8	39.8	14.9	5.0
85°	39.8	44.8	49.8	44.8	39.8	39.8	69.7	64.7	14.9	5.0
87.5°	19.9	19.9	19.9	19.9	19.9	14.9	19.9	14.9	10.0	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°  
82524.5  
**81902.3**  
81110.9  
79558.0  
77238.5  
73744.4  
69911.9  
65626.4  
60454.9  
56015.1  
51659.9  
41585.8  
35354.1  
31337.4  
27440.1  
22955.5  
18336.6  
12373.7  
6535.3  
3494.1  
2200.0  
1483.3  
1010.4  
766.5  
587.3  
467.9  
408.1  
353.4  
313.6  
293.7  
248.9  
204.1  
144.3  
94.6  
59.7  
34.8  
14.9  
10.0  
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5.0  
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