

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: P636371

Luminaire Tested: **IFLD-S-SA6B-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636371
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-940-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22549.9 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

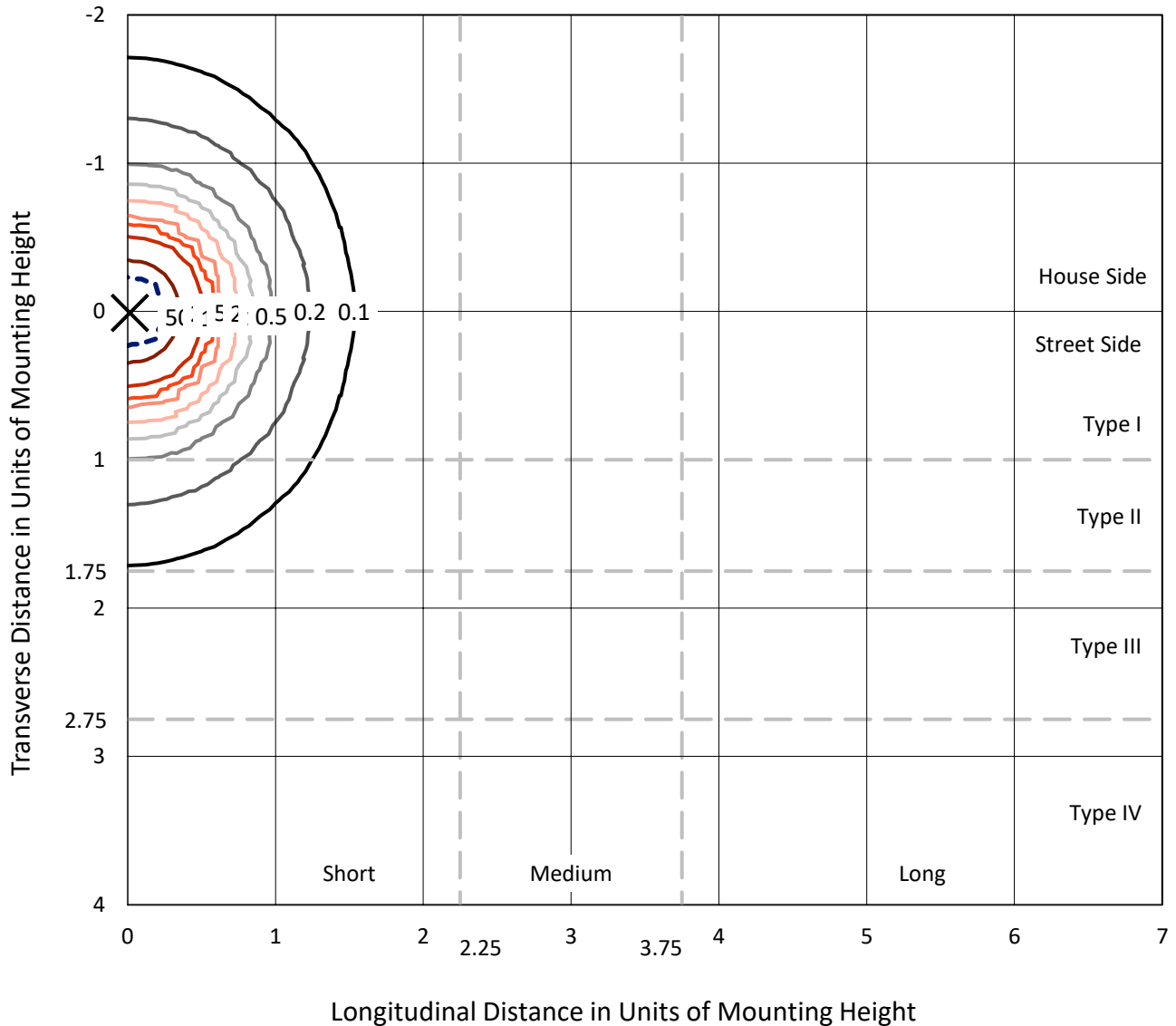
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

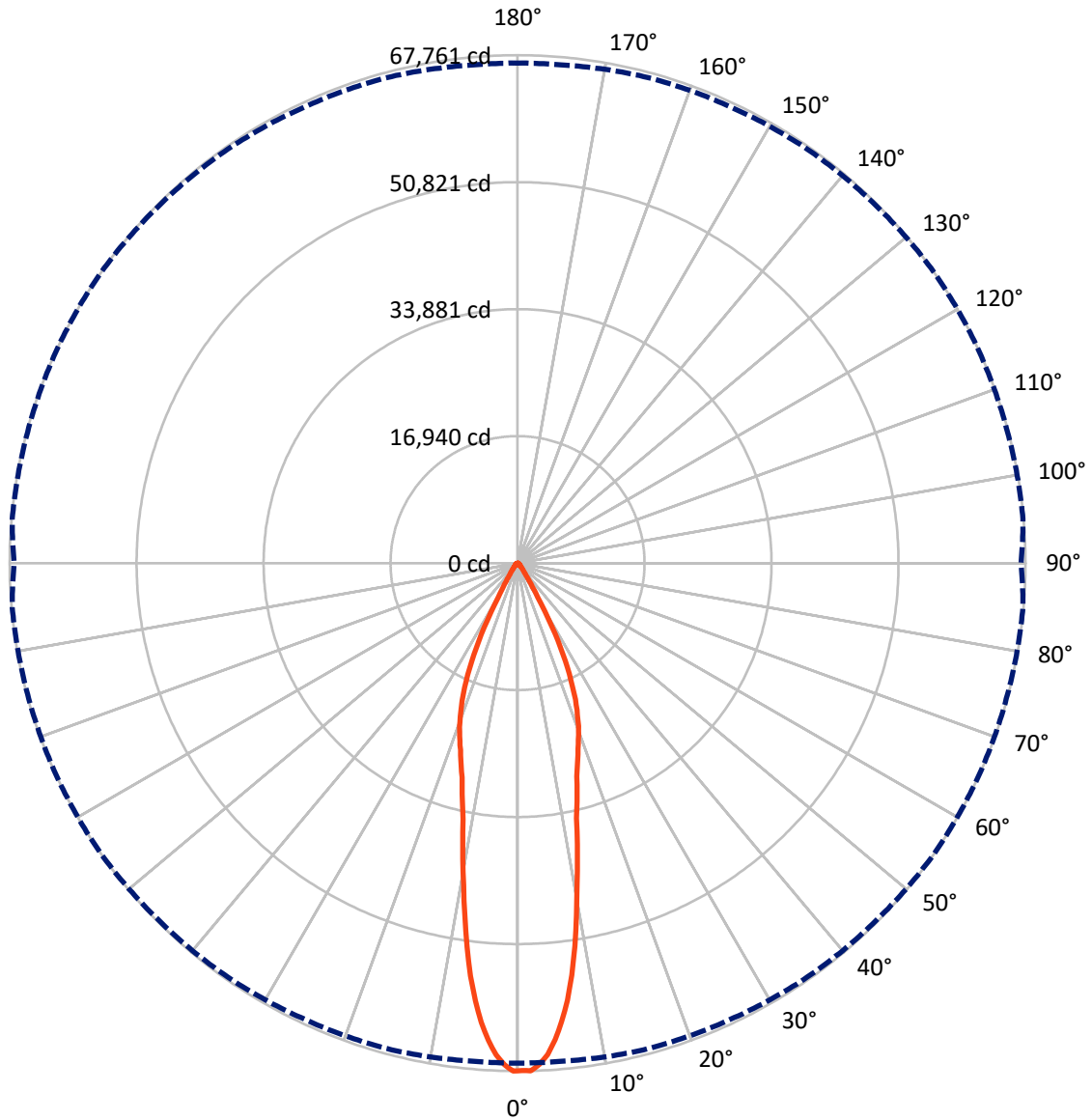
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 169.2 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	11275.0	0.0	11275.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11275.0	0.0	11275.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22549.9	0.0	22549.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5149.8	22.8
10°-20°	8410.9	37.3
20°-30°	6572.6	29.1
30°-40°	1432.6	6.4
40°-50°	424.2	1.9
50°-60°	265.3	1.2
60°-70°	185.5	0.8
70°-80°	79.6	0.4
80°-90°	29.4	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°	22549.9	100.0
0°-180°	22549.9	100.0



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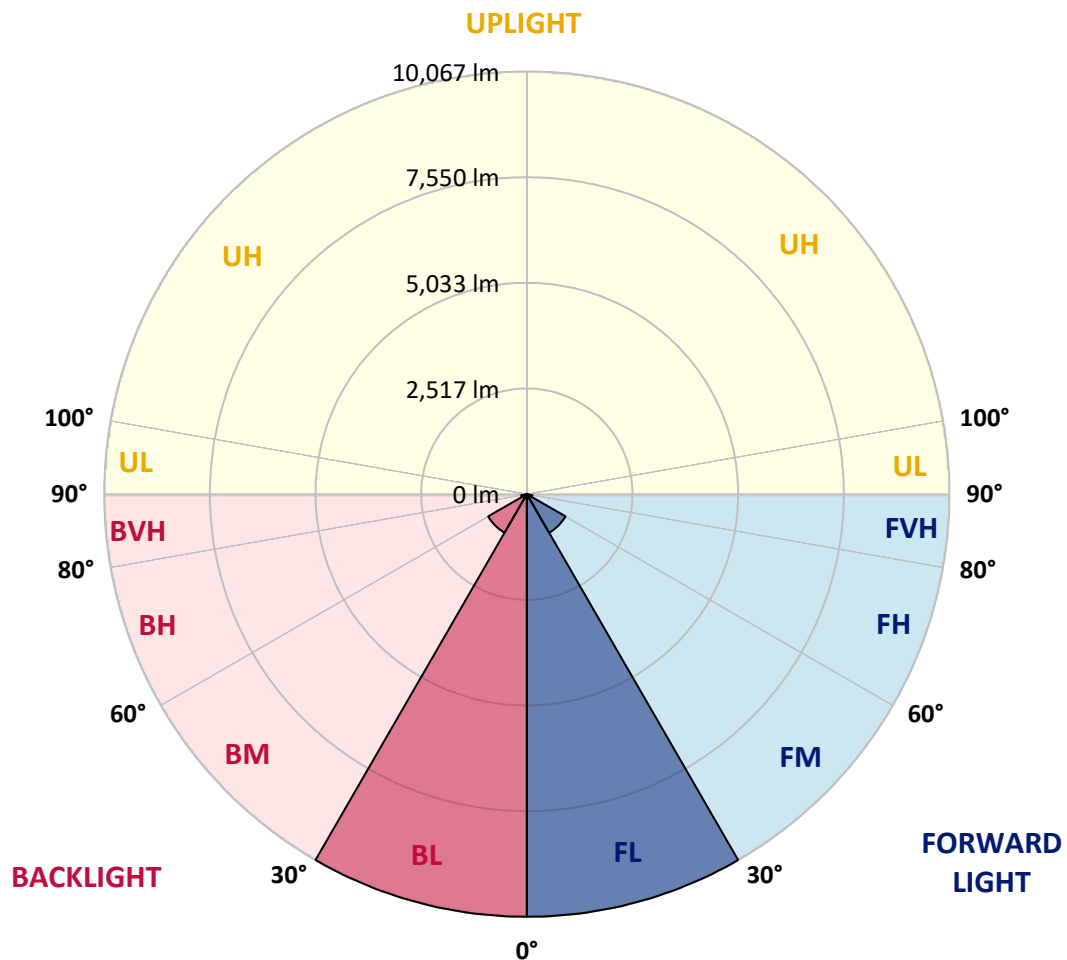
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10066.6	44.6			
FM (30°-60°)	1061.0	4.7			
FH (60°-80°)	132.6	0.6			G0/660
FVH (80°-90°)	14.7	0.1			G1/100
BL (0°-30°)	10066.6	44.6	B5		
BM (30°-60°)	1061.0	4.7	B2/2500		
BH (60°-80°)	132.6	0.6	B1/500		G0/660
BVH (80°-90°)	14.7	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°	67683.8	67683.8	67683.8	67683.8	67683.8	67683.8	67683.8	67683.8	67683.8	67683.8
1°	66704.0	66712.2	67075.5	67157.2	67406.2	67532.7	67761.3	67736.8	67667.4	67675.6
2°	65475.3	65422.2	65761.0	66136.6	66434.6	66679.5	66953.1	67010.2	66944.9	67006.1
3°	63454.6	63377.0	63850.5	64320.0	64838.4	65258.9	65671.2	65687.6	65610.0	65605.9
4°	60797.0	60654.1	61217.5	62054.3	62707.5	63266.8	63781.1	63773.0	63666.8	63752.6
5°	57584.3	57404.7	58135.4	59237.6	60205.1	60878.7	61446.1	61311.4	61066.4	61078.7
6°	53640.8	53816.4	54710.4	56257.5	57400.6	57959.8	58657.9	58404.8	57980.3	57935.4
7°	49934.1	50330.1	51044.5	52910.1	54269.5	54857.3	55449.3	54939.0	54363.4	54269.5
8°	46031.5	46692.8	47680.7	49399.4	50848.6	51440.5	51665.0	51118.0	50501.6	50477.1
9°	42867.8	43320.9	44170.0	45684.5	47158.2	47554.2	47603.2	47125.5	46509.1	46549.9
10°	39989.8	40075.5	40810.3	42112.5	43292.3	43574.0	43561.7	43214.7	42708.5	42843.3
12.5°	33548.0	33780.7	33992.9	34409.3	34805.3	34989.0	34919.6	34776.7	34499.1	34511.4
15°	29175.9	29171.8	29196.3	29388.1	29506.5	29526.9	29526.9	29347.3	29228.9	29404.5
17.5°	25318.1	25530.4	25910.1	26065.2	26220.3	26163.2	26057.0	25975.4	25897.8	26048.9
20°	22317.7	22411.6	22415.7	22517.7	23301.5	23342.3	23207.6	22974.9	22779.0	22742.2
22.5°	18941.7	19084.5	19145.8	19235.6	19317.2	19913.2	19754.0	19378.5	19145.8	19076.4
25°	14218.5	14169.5	14569.6	15304.4	15422.8	15496.2	15455.4	15259.5	15108.4	15137.0
27.5°	9826.0	9911.7	9895.4	9903.5	10683.3	10679.2	10666.9	10495.5	10450.6	10385.3
30°	5494.7	5453.9	5474.3	5421.2	5311.0	5445.7	5229.4	5413.1	5233.5	5290.6
32.5°	3249.5	3220.9	3192.3	3204.6	3122.9	2922.9	2837.2	2963.7	2922.9	2906.6
35°	2073.8	2086.0	2122.8	2118.7	2045.2	1930.9	1808.4	1922.7	1906.4	1857.4
37.5°	1322.7	1322.7	1334.9	1441.0	1379.8	1281.8	1196.1	1245.1	1241.0	1232.8
40°	938.9	938.9	955.2	983.8	951.2	902.2	853.2	853.2	861.4	836.9
42.5°	698.1	698.1	714.4	730.7	689.9	673.6	649.1	632.7	653.2	632.7
45°	547.0	542.9	547.0	538.9	514.4	514.4	494.0	469.5	494.0	481.7
47.5°	449.0	445.0	440.9	424.6	400.1	404.1	396.0	375.6	387.8	383.7
50°	391.9	383.7	387.8	371.5	351.1	347.0	347.0	326.6	330.7	330.7
52.5°	342.9	342.9	338.8	330.7	322.5	306.2	310.3	289.8	289.8	289.8
55°	322.5	322.5	314.3	298.0	302.1	289.8	277.6	265.3	261.3	261.3
57.5°	318.4	318.4	314.3	298.0	285.8	281.7	265.3	249.0	236.8	240.9
60°	310.3	310.3	302.1	298.0	277.6	269.4	244.9	232.7	216.4	216.4
62.5°	298.0	293.9	277.6	253.1	253.1	232.7	216.4	191.9	179.6	175.5
65°	253.1	249.0	236.8	216.4	204.1	191.9	167.4	142.9	134.7	122.5
67.5°	208.2	208.2	200.0	179.6	171.5	155.1	126.5	110.2	89.8	81.6
70°	171.5	171.5	163.3	151.0	142.9	122.5	98.0	81.6	61.2	53.1
72.5°	138.8	138.8	130.6	122.5	114.3	102.1	81.6	61.2	40.8	32.7
75°	110.2	110.2	106.1	98.0	89.8	81.6	65.3	49.0	28.6	16.3
77.5°	89.8	89.8	85.7	81.6	73.5	65.3	53.1	40.8	20.4	8.2
80°	69.4	69.4	69.4	69.4	61.2	53.1	44.9	32.7	16.3	4.1
82.5°	49.0	49.0	53.1	61.2	49.0	40.8	40.8	32.7	12.2	4.1
85°	32.7	36.7	40.8	36.7	32.7	32.7	57.2	53.1	12.2	4.1
87.5°	16.3	16.3	16.3	16.3	16.3	12.2	16.3	12.2	8.2	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°
67683.8
67173.5
66524.4
65250.8
63348.4
60482.7
57339.3
53824.5
49583.1
45941.7
42369.7
34107.2
28996.3
25701.9
22505.5
18827.4
15039.0
10148.5
5360.0
2865.7
1804.4
1216.5
828.7
628.7
481.7
383.7
334.7
289.8
257.2
240.9
204.1
167.4
118.4
77.6
49.0
28.6
12.2
8.2
4.1
4.1
4.1
0.0
0.0

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