

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: P636079

Luminaire Tested: **IFLD-S-SA3E-940-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636079  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3E-940-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (48) 4000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18520.7 lumens  
Efficiency: N/A  
Efficacy: 79.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

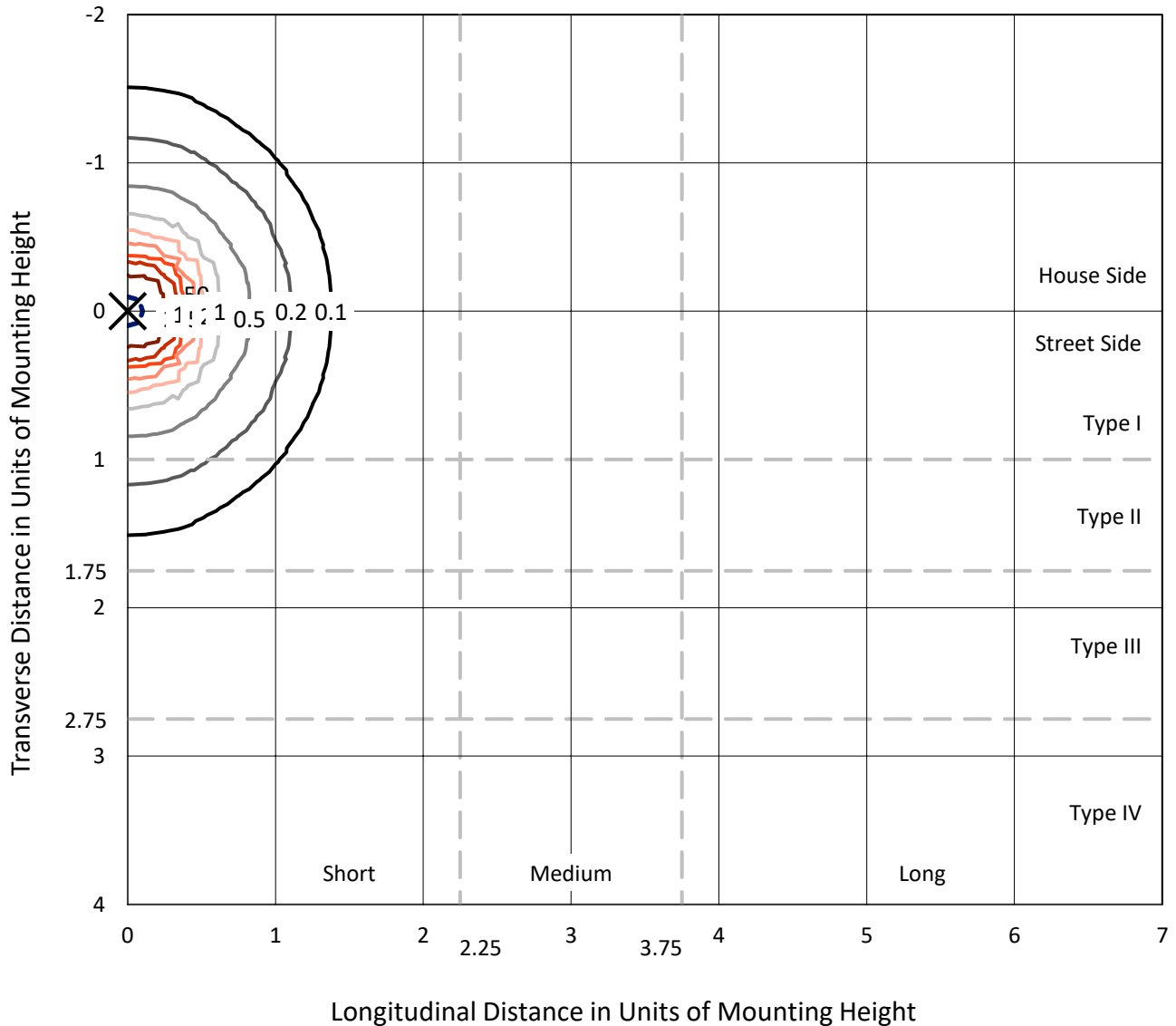
Input Watts (W): 232.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

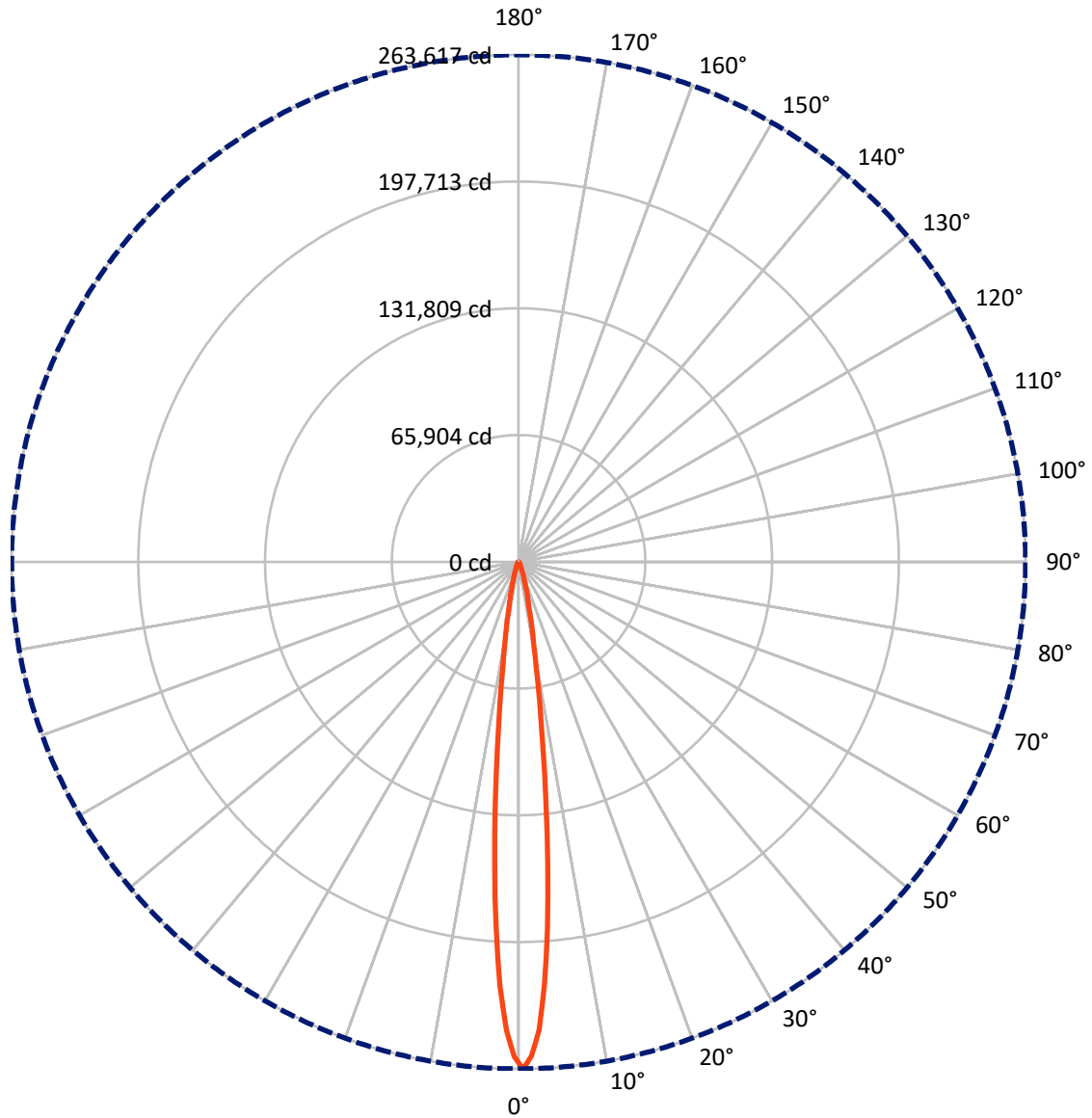
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 659 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9260.3	0.0	9260.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9260.3	0.0	9260.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18520.7	0.0	18520.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11289.8	61.0
10°-20°	5057.9	27.3
20°-30°	1129.5	6.1
30°-40°	368.7	2.0
40°-50°	254.3	1.4
50°-60°	192.1	1.0
60°-70°	131.5	0.7
70°-80°	69.3	0.4
80°-90°	27.6	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°	18520.7	100.0
0°-180°	18520.7	100.0

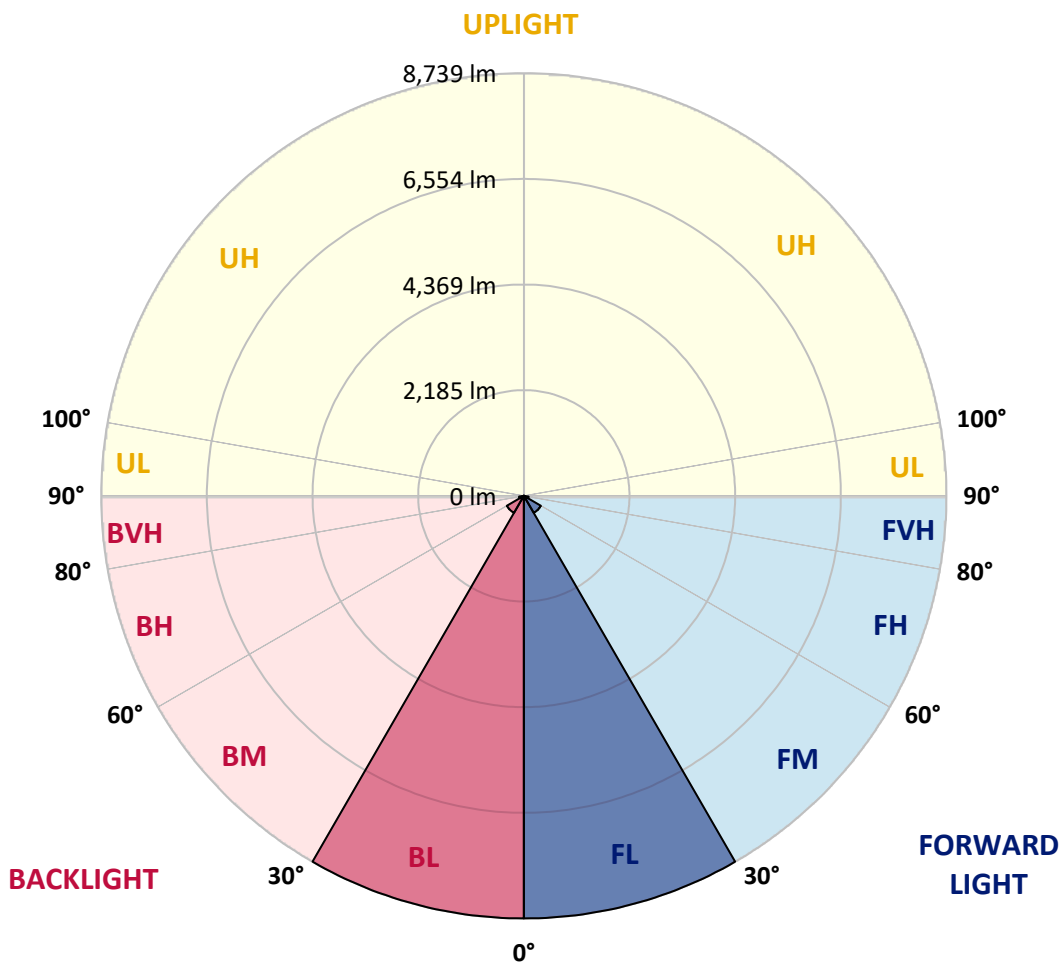


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8738.7	47.2			
FM (30°-60°)	407.5	2.2			
FH (60°-80°)	100.4	0.5			G0/660
FVH (80°-90°)	13.8	0.1			G1/100
BL (0°-30°)	8738.7	47.2	B5		
BM (30°-60°)	407.5	2.2	B1/1000		
BH (60°-80°)	100.4	0.5	B0/110		G0/660
BVH (80°-90°)	13.8	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°	263617.4	263617.4	263617.4	263617.4	263617.4	263617.4	263617.4	263617.4	263617.4	263617.4
1°	257072.4	257422.1	257032.8	258999.0	259810.5	260232.7	260282.2	261390.6	260536.2	260773.8
2°	243523.9	244302.4	242999.4	244259.5	246779.9	247733.3	246179.5	248099.4	247413.3	247812.4
3°	220758.3	221711.6	219910.4	221451.0	224693.8	225419.6	222872.8	225601.0	225531.7	226105.7
4°	191414.6	192961.8	190388.7	192213.0	193648.0	196174.9	193707.4	196811.6	196752.2	197748.5
5°	158105.8	159778.3	157541.7	159435.2	160794.4	161734.6	160830.7	164264.8	164482.5	165511.8
6°	125512.8	127073.1	124575.9	126383.7	128537.9	128923.8	128689.6	131645.4	132301.9	131500.3
7°	96594.7	96984.0	96591.4	98234.3	99962.9	100025.6	100329.1	102928.6	103505.9	103228.8
8°	73977.6	72196.2	73726.8	74597.7	75132.2	77586.5	77768.0	79077.6	80139.9	80215.7
9°	56312.0	54662.6	56434.1	56780.5	58007.6	60188.2	59914.4	61346.1	62012.5	61969.6
10°	42931.7	42093.8	42981.2	43363.9	44373.3	46220.7	46540.7	47197.2	47692.0	48015.3
12.5°	23296.7	23491.4	24006.0	24408.5	25767.6	26259.1	26457.1	26513.2	26509.9	26562.6
15°	14472.2	14630.6	14990.1	15719.2	16547.2	17157.5	17243.3	16926.6	16652.8	16609.9
17.5°	9025.8	8963.1	9807.6	10605.9	11602.2	11918.9	11589.0	11226.1	10853.3	10638.9
20°	5416.8	5459.7	5746.7	6102.9	6907.9	7455.5	7112.4	6742.9	6357.0	6102.9
22.5°	3077.9	3124.0	3249.4	3434.1	3740.9	4239.1	4021.3	3648.6	3374.8	3262.6
25°	1817.7	1817.7	1893.6	1976.0	2104.7	2220.2	2174.0	1976.0	1814.4	1768.2
27.5°	1177.7	1167.8	1194.2	1233.8	1293.2	1299.8	1247.0	1187.6	1105.1	1075.4
30°	861.0	864.3	861.0	877.5	874.2	851.1	818.1	821.4	788.4	785.1
32.5°	699.4	702.7	702.7	699.4	682.9	646.6	623.5	646.6	640.0	633.4
35°	580.6	583.9	616.9	613.6	587.2	547.6	531.1	557.5	577.3	547.6
37.5°	501.4	504.7	531.1	544.3	511.3	484.9	465.1	488.2	517.9	484.9
40°	442.1	445.3	451.9	455.2	438.8	425.6	415.7	422.3	435.5	419.0
42.5°	389.3	386.0	389.3	386.0	366.2	372.8	366.2	356.3	366.2	353.0
45°	339.8	339.8	339.8	329.9	310.1	323.3	316.7	306.8	310.1	300.2
47.5°	310.1	310.1	310.1	296.9	280.4	280.4	283.7	267.2	270.5	267.2
50°	280.4	280.4	287.0	273.8	260.6	250.7	254.0	240.8	244.1	240.8
52.5°	257.3	257.3	257.3	250.7	240.8	234.2	227.6	221.0	217.7	214.4
55°	247.4	247.4	244.1	224.3	221.0	214.4	201.2	197.9	191.3	188.0
57.5°	230.9	230.9	227.6	211.1	197.9	197.9	178.1	174.8	164.9	164.9
60°	204.5	204.5	201.2	197.9	181.4	171.5	158.3	151.7	141.9	138.6
62.5°	194.6	194.6	188.0	171.5	168.2	151.7	138.6	125.4	118.8	112.2
65°	181.4	178.1	174.8	158.3	145.2	135.3	118.8	102.3	95.7	82.5
67.5°	161.6	161.6	158.3	145.2	132.0	115.5	99.0	85.8	69.3	59.4
70°	141.9	138.6	138.6	125.4	115.5	102.3	79.2	66.0	49.5	39.6
72.5°	118.8	118.8	115.5	105.6	99.0	89.1	69.3	52.8	33.0	26.4
75°	95.7	95.7	92.4	85.8	82.5	72.6	59.4	46.2	26.4	13.2
77.5°	79.2	75.9	75.9	69.3	66.0	59.4	49.5	36.3	19.8	9.9
80°	59.4	59.4	62.7	59.4	52.8	49.5	42.9	33.0	16.5	6.6
82.5°	42.9	42.9	46.2	46.2	46.2	42.9	42.9	33.0	16.5	3.3
85°	29.7	29.7	36.3	33.0	33.0	36.3	52.8	42.9	13.2	3.3
87.5°	16.5	16.5	16.5	13.2	13.2	16.5	19.8	16.5	6.6	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
263617.4  
259028.6  
246387.3  
224565.2  
196000.1  
163545.6  
131582.7  
102849.4  
79259.1  
62979.1  
48206.6  
26605.5  
16477.9  
10605.9  
6159.0  
3275.8  
1761.6  
1075.4  
781.8  
620.2  
541.0  
481.6  
412.4  
353.0  
300.2  
267.2  
240.8  
214.4  
184.7  
164.9  
132.0  
108.9  
79.2  
59.4  
39.6  
23.1  
13.2  
6.6  
3.3  
3.3  
3.3  
3.3  
0.0

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