

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: P636402

Luminaire Tested: **IFLD-S-SA6D-950-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636402  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-950-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (96) 5000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30887.8 lumens  
Efficiency: N/A  
Efficacy: 83.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

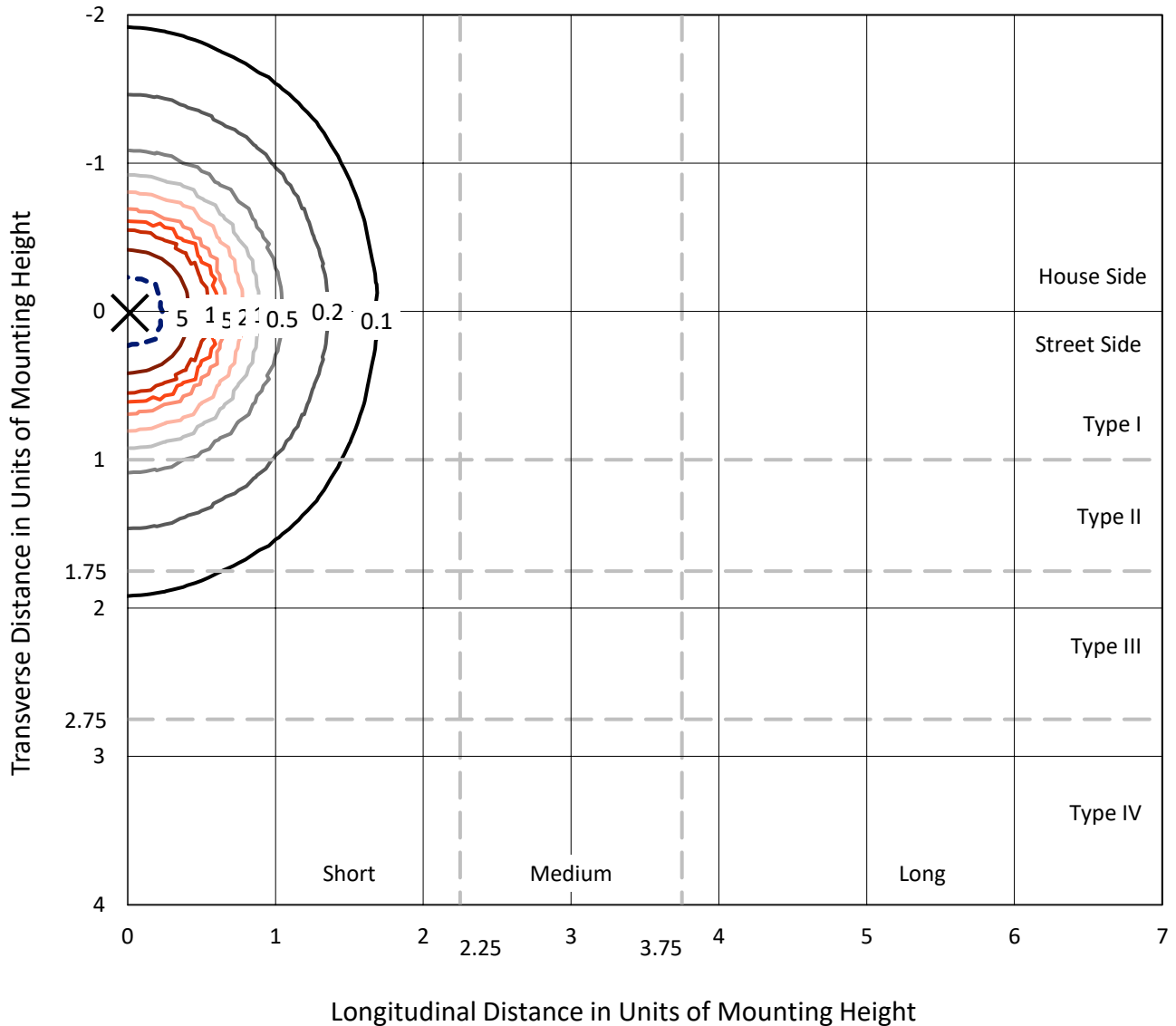
Input Watts (W): 368.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

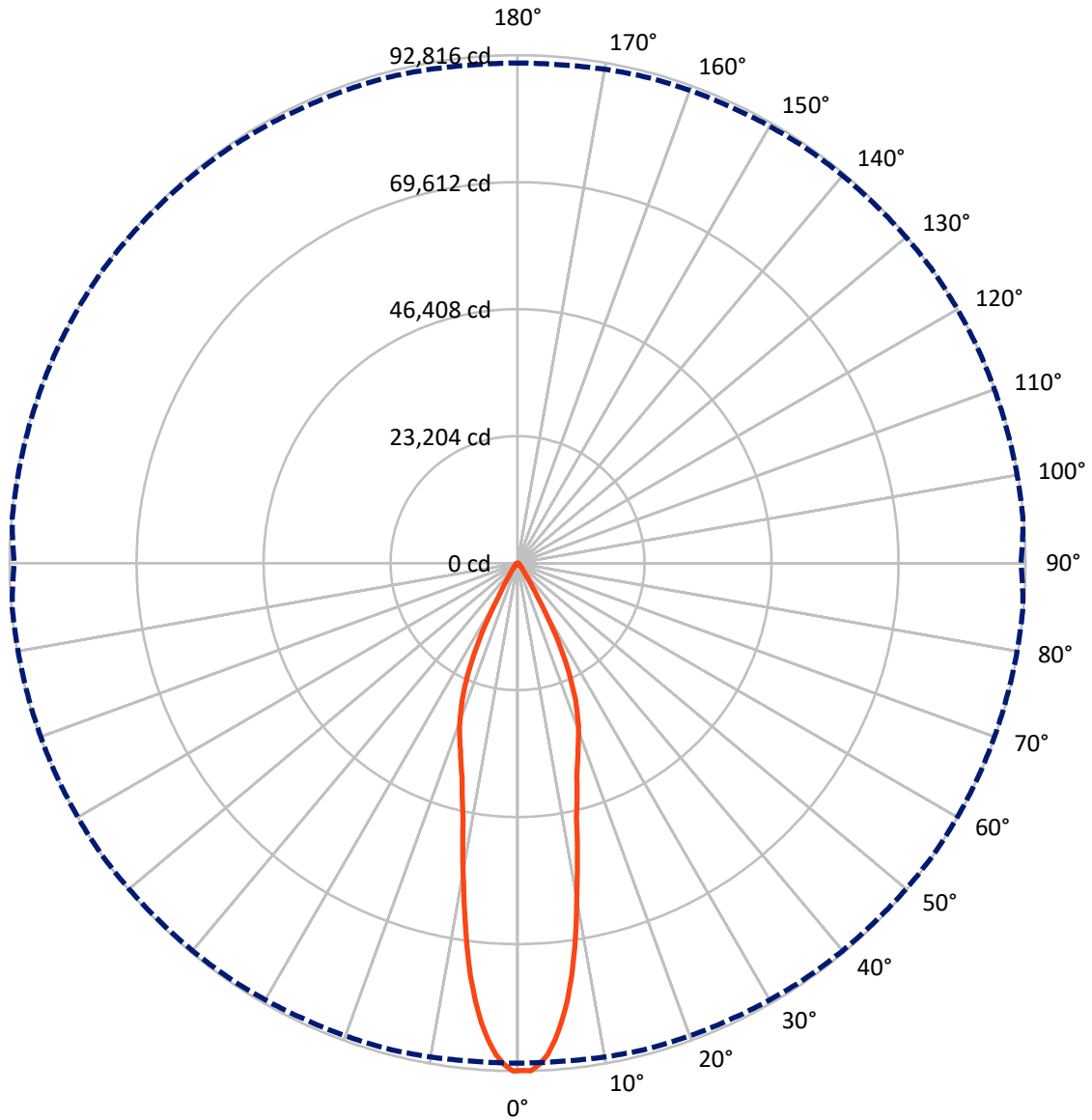
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 231.8 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	15443.9	0.0	15443.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15443.9	0.0	15443.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30887.8	0.0	30887.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7053.9	22.8
10°-20°	11520.9	37.3
20°-30°	9002.8	29.1
30°-40°	1962.4	6.4
40°-50°	581.0	1.9
50°-60°	363.4	1.2
60°-70°	254.1	0.8
70°-80°	109.1	0.4
80°-90°	40.3	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°	30887.8	100.0
0°-180°	30887.8	100.0



REPORT NUMBER: P636402

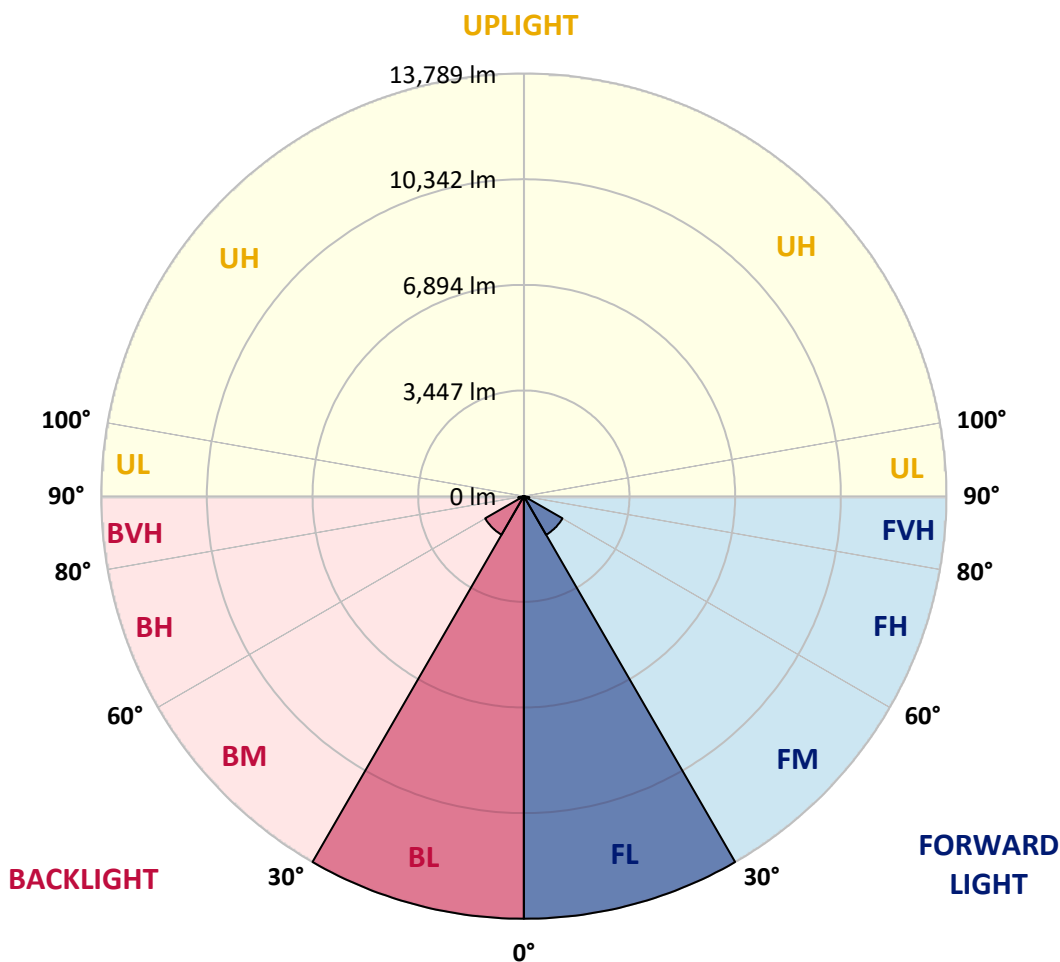
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13788.8	44.6			
FM (30°-60°)	1453.4	4.7			
FH (60°-80°)	181.6	0.6			G0/660
FVH (80°-90°)	20.2	0.1			G1/100
BL (0°-30°)	13788.8	44.6	B5		
BM (30°-60°)	1453.4	4.7	B2/2500		
BH (60°-80°)	181.6	0.6	B1/500		G0/660
BVH (80°-90°)	20.2	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°	92709.9	92709.9	92709.9	92709.9	92709.9	92709.9	92709.9	92709.9	92709.9	92709.9
1°	91367.9	91379.1	91876.8	91988.6	92329.7	92503.0	92816.2	92782.6	92687.5	92698.7
2°	89684.8	89612.1	90076.2	90590.7	90998.9	91334.4	91709.0	91787.3	91697.8	91781.7
3°	86916.9	86810.7	87459.3	88102.4	88812.5	89388.5	89953.2	89975.6	89869.3	89863.8
4°	83276.8	83081.1	83852.7	84999.0	85893.7	86659.7	87364.3	87353.1	87207.7	87325.1
5°	78876.1	78630.1	79631.0	81140.7	82466.0	83388.6	84165.8	83981.3	83645.8	83662.6
6°	73474.6	73715.0	74939.6	77058.8	78624.5	79390.5	80346.7	80000.0	79418.5	79357.0
7°	68397.3	68939.7	69918.3	72473.7	74335.7	75140.9	75951.7	75252.7	74464.3	74335.7
8°	63051.7	63957.5	65310.7	67664.8	69649.9	70460.7	70768.2	70018.9	69174.6	69141.0
9°	58718.1	59338.8	60501.9	62576.4	64595.0	65137.4	65204.5	64550.3	63705.9	63761.8
10°	54776.0	54893.4	55899.9	57683.7	59299.7	59685.5	59668.7	59193.4	58500.1	58684.6
12.5°	45952.4	46271.1	46561.8	47132.2	47674.6	47926.2	47831.2	47635.4	47255.2	47272.0
15°	39963.7	39958.1	39991.6	40254.4	40416.6	40444.6	40444.6	40198.5	40036.4	40276.8
17.5°	34679.5	34970.3	35490.3	35702.8	35915.3	35837.0	35691.6	35579.8	35473.6	35680.5
20°	30569.7	30698.3	30703.9	30843.7	31917.3	31973.2	31788.7	31469.9	31201.5	31151.2
22.5°	25945.4	26141.1	26224.9	26348.0	26459.8	27276.2	27058.1	26543.7	26224.9	26129.9
25°	19475.8	19408.7	19956.7	20963.2	21125.3	21226.0	21170.1	20901.7	20694.8	20733.9
27.5°	13459.2	13576.6	13554.2	13565.4	14633.4	14627.8	14611.0	14376.2	14314.7	14225.2
30°	7526.4	7470.5	7498.4	7425.7	7274.8	7459.3	7162.9	7414.6	7168.5	7246.8
32.5°	4451.0	4411.8	4372.7	4389.5	4277.6	4003.6	3886.2	4059.6	4003.6	3981.3
35°	2840.6	2857.3	2907.7	2902.1	2801.4	2644.9	2477.1	2633.7	2611.3	2544.2
37.5°	1811.7	1811.7	1828.5	1973.9	1890.0	1755.8	1638.4	1705.5	1699.9	1688.7
40°	1286.1	1286.1	1308.5	1347.6	1302.9	1235.8	1168.7	1168.7	1179.8	1146.3
42.5°	956.2	956.2	978.5	1000.9	945.0	922.6	889.1	866.7	894.7	866.7
45°	749.3	743.7	749.3	738.1	704.6	704.6	676.6	643.0	676.6	659.8
47.5°	615.1	609.5	603.9	581.5	548.0	553.6	542.4	514.4	531.2	525.6
50°	536.8	525.6	531.2	508.8	480.9	475.3	475.3	447.3	452.9	452.9
52.5°	469.7	469.7	464.1	452.9	441.7	419.4	425.0	397.0	397.0	397.0
55°	441.7	441.7	430.6	408.2	413.8	397.0	380.2	363.5	357.9	357.9
57.5°	436.2	436.2	430.6	408.2	391.4	385.8	363.5	341.1	324.3	329.9
60°	425.0	425.0	413.8	408.2	380.2	369.1	335.5	318.7	296.4	296.4
62.5°	408.2	402.6	380.2	346.7	346.7	318.7	296.4	262.8	246.0	240.4
65°	346.7	341.1	324.3	296.4	279.6	262.8	229.3	195.7	184.5	167.8
67.5°	285.2	285.2	274.0	246.0	234.9	212.5	173.3	151.0	123.0	111.8
70°	234.9	234.9	223.7	206.9	195.7	167.8	134.2	111.8	83.9	72.7
72.5°	190.1	190.1	178.9	167.8	156.6	139.8	111.8	83.9	55.9	44.7
75°	151.0	151.0	145.4	134.2	123.0	111.8	89.5	67.1	39.1	22.4
77.5°	123.0	123.0	117.4	111.8	100.7	89.5	72.7	55.9	28.0	11.2
80°	95.1	95.1	95.1	95.1	83.9	72.7	61.5	44.7	22.4	5.6
82.5°	67.1	67.1	72.7	83.9	67.1	55.9	55.9	44.7	16.8	5.6
85°	44.7	50.3	55.9	50.3	44.7	44.7	78.3	72.7	16.8	5.6
87.5°	22.4	22.4	22.4	22.4	22.4	16.8	22.4	16.8	11.2	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°  
92709.9  
*92011.0*  
91121.9  
89377.3  
86771.6  
82846.2  
78540.6  
73726.2  
67916.4  
62928.7  
58036.0  
46718.4  
39717.6  
35205.2  
30826.9  
25788.8  
20599.7  
13900.9  
7341.9  
3925.4  
2471.5  
1666.3  
1135.1  
861.1  
659.8  
525.6  
458.5  
397.0  
352.3  
329.9  
279.6  
229.3  
162.2  
106.2  
67.1  
39.1  
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