

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: P636176

Luminaire Tested: **IFLD-M-SA4E-930-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636176  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4E-930-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (64) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22173.9 lumens  
Efficiency: N/A  
Efficacy: 70.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

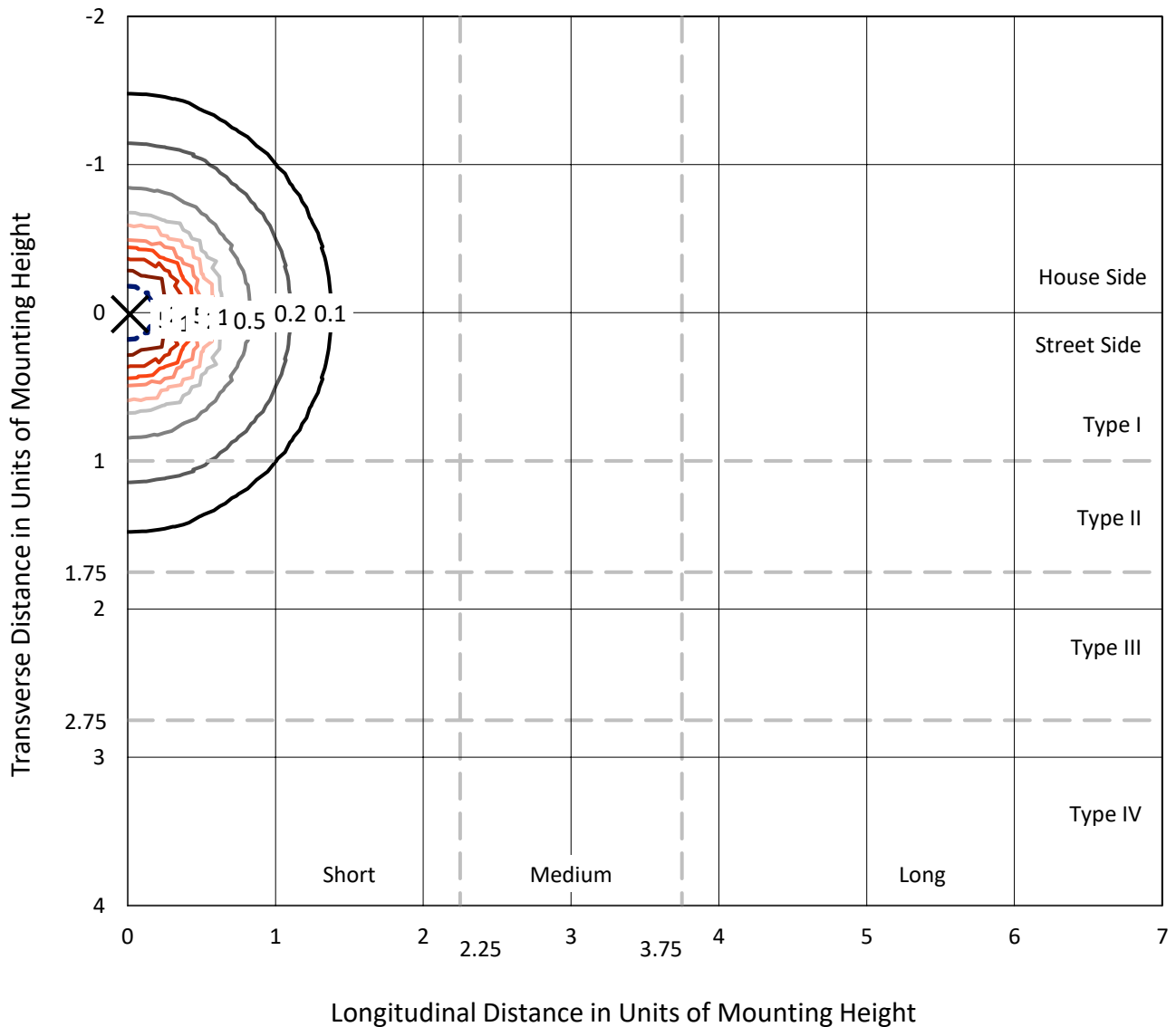
Input Watts (W): 314.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

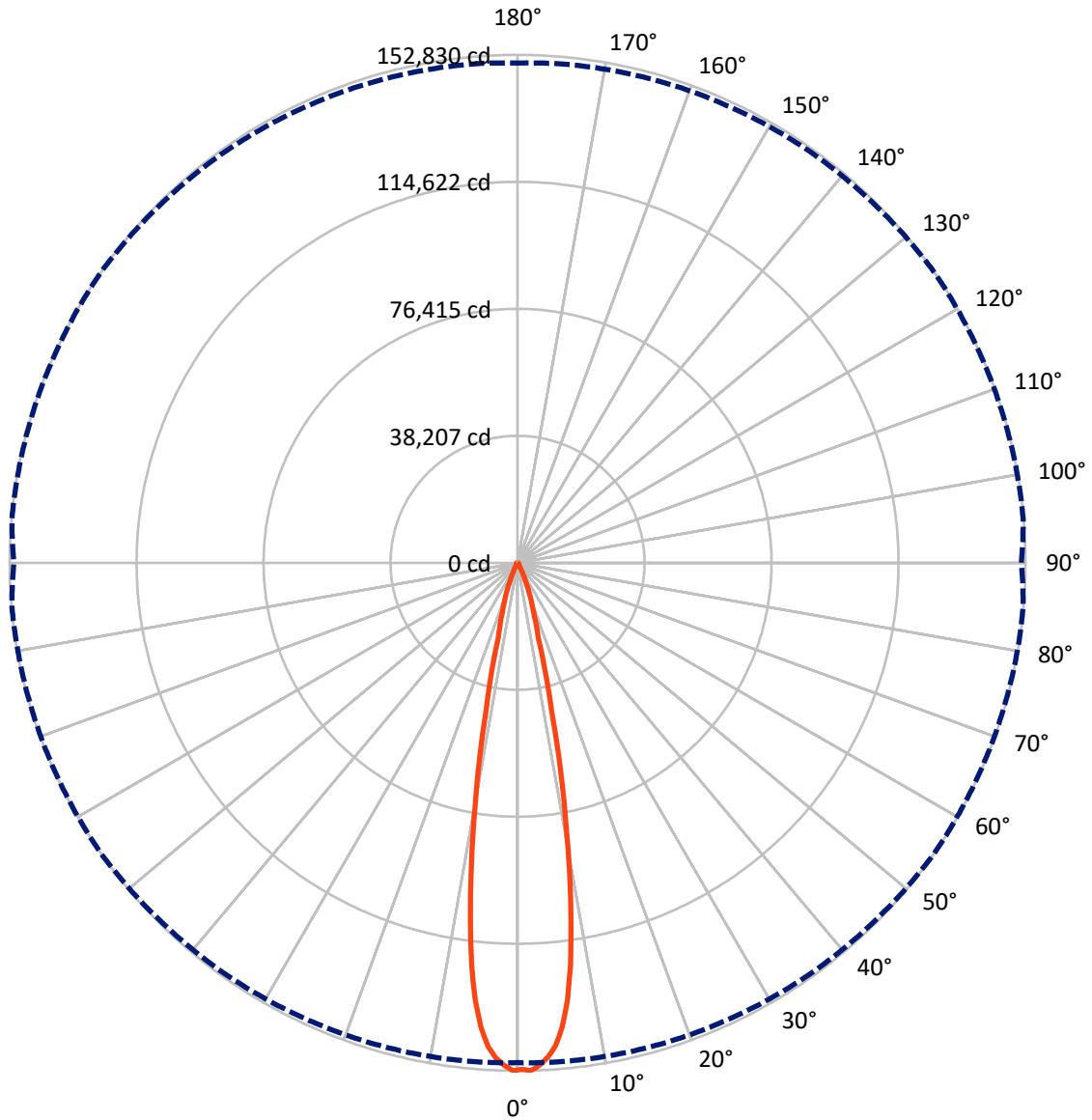
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 381.1 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	11086.9	0.0	11086.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11086.9	0.0	11086.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22173.9	0.0	22173.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11266.0	50.8
10°-20°	7984.3	36.0
20°-30°	1870.9	8.4
30°-40°	391.0	1.8
40°-50°	252.3	1.1
50°-60°	186.8	0.8
60°-70°	127.0	0.6
70°-80°	67.8	0.3
80°-90°	27.8	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°	22173.9	100.0
0°-180°	22173.9	100.0

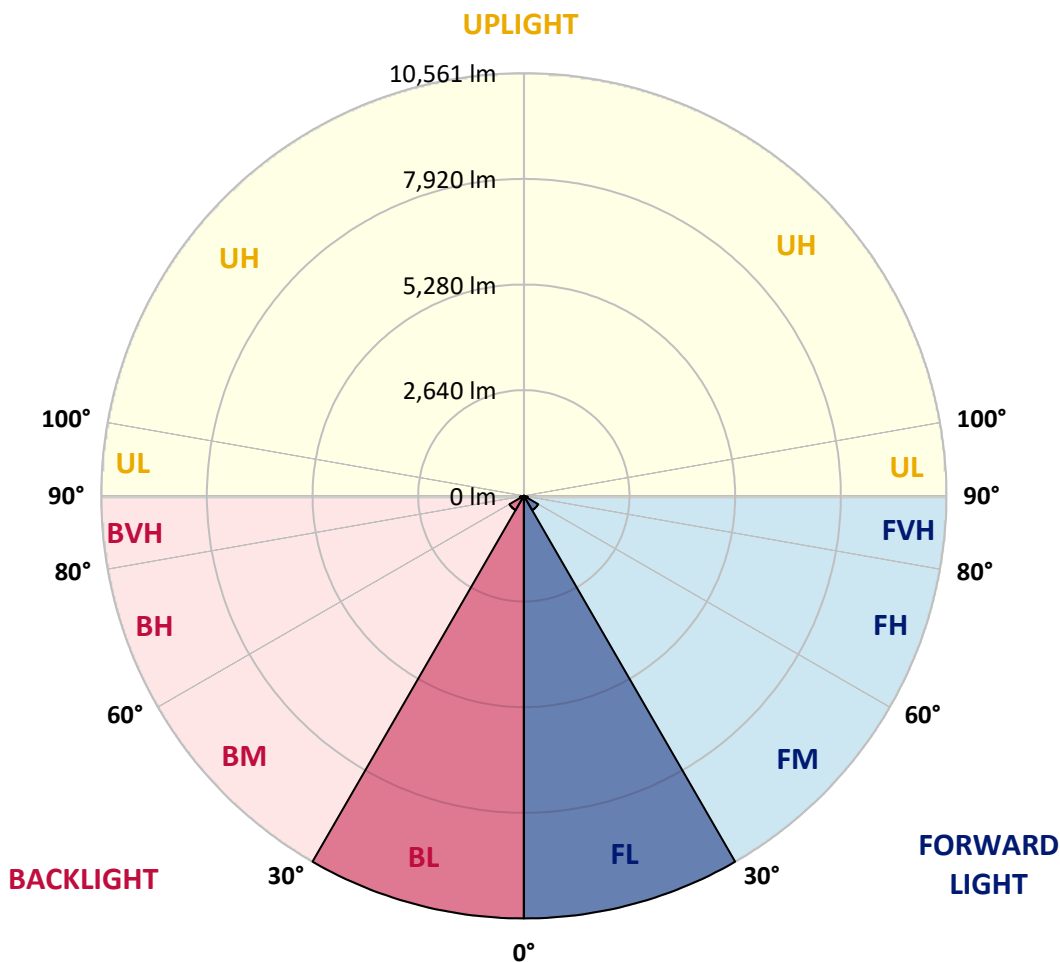


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10560.6	47.6			
FM (30°-60°)	415.1	1.9			
FH (60°-80°)	97.4	0.4			G0/660
FVH (80°-90°)	13.9	0.1			G1/100
BL (0°-30°)	10560.6	47.6	B5		
BM (30°-60°)	415.1	1.9	B1/1000		
BH (60°-80°)	97.4	0.4	B0/110		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: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	152437.6	152437.6	152437.6	152437.6	152437.6	152437.6	152437.6	152437.6	152437.6	152437.6
1°	150386.7	150665.1	151006.3	151316.1	151782.7	152163.1	152829.7	152688.6	152669.0	152696.4
2°	147473.1	147822.1	148347.6	148657.4	149861.2	150355.3	151363.1	151661.2	151422.0	151692.5
3°	143108.5	143394.8	144218.3	144826.1	146386.8	147720.1	149069.1	149516.1	149237.7	149363.2
4°	137912.6	138206.7	139202.8	140442.0	142696.8	144175.2	145790.8	146190.8	145281.0	145343.7
5°	131728.6	131865.8	133085.4	134214.7	136912.7	138704.8	140238.0	140363.5	139532.2	139214.6
6°	124771.9	124524.9	125646.4	126124.8	129477.7	131305.0	132426.6	132281.5	131650.1	131379.5
7°	116505.6	116168.3	117074.2	116815.4	119783.9	120827.0	121905.4	121411.3	120909.3	121532.8
8°	106941.2	106753.0	106168.7	107227.5	107815.7	108749.0	108745.1	108458.8	108443.1	109482.3
9°	93035.8	94773.0	94259.3	95369.1	95220.1	95176.9	94890.7	94706.4	93922.1	95118.1
10°	77765.8	78903.0	79769.7	81424.5	81102.9	81557.8	79965.7	80236.3	79714.8	80703.0
12.5°	40253.4	41531.8	42280.8	43543.5	44931.7	46351.3	45892.5	45418.0	44708.2	45578.7
15°	19815.0	20320.8	20560.0	21842.3	22830.5	23187.4	23242.3	22822.7	22642.3	22830.5
17.5°	12160.3	12336.8	13030.9	14505.4	15360.2	15572.0	15434.7	14975.9	14462.2	14246.5
20°	8803.6	8854.6	9117.3	9403.6	10544.7	11140.8	10921.2	10470.2	9995.7	9772.2
22.5°	5748.8	5799.8	5886.1	6042.9	6348.8	7086.0	6846.8	6540.9	6219.4	6152.7
25°	3254.8	3254.8	3345.0	3505.8	3733.2	3788.1	3835.2	3509.7	3360.7	3294.0
27.5°	1815.6	1827.4	1847.0	1909.7	2023.5	2011.7	1960.7	1874.4	1772.5	1666.6
30°	1003.9	1015.6	1027.4	1043.1	1062.7	1027.4	996.0	980.4	937.2	925.5
32.5°	752.9	752.9	760.8	756.8	737.2	694.1	674.5	698.0	694.1	674.5
35°	619.6	619.6	627.4	643.1	603.9	572.5	556.8	588.2	588.2	576.4
37.5°	505.9	509.8	513.7	533.3	521.5	486.3	482.3	490.2	494.1	490.2
40°	443.1	439.2	439.2	443.1	435.3	427.4	419.6	415.7	419.6	415.7
42.5°	384.3	380.4	388.2	380.4	364.7	368.6	368.6	356.8	360.8	352.9
45°	337.2	333.3	337.2	329.4	317.6	321.6	321.6	305.9	305.9	301.9
47.5°	298.0	298.0	298.0	301.9	282.3	278.4	282.3	278.4	266.7	262.7
50°	258.8	262.7	266.7	274.5	254.9	247.0	247.0	247.0	239.2	235.3
52.5°	239.2	243.1	243.1	243.1	231.4	223.5	223.5	219.6	215.7	211.8
55°	231.4	231.4	231.4	215.7	211.8	207.8	196.1	192.1	188.2	188.2
57.5°	219.6	219.6	215.7	203.9	192.1	192.1	176.5	172.5	168.6	168.6
60°	196.1	196.1	196.1	192.1	176.5	172.5	156.9	149.0	145.1	145.1
62.5°	180.4	180.4	180.4	164.7	160.8	149.0	137.2	125.5	121.6	113.7
65°	164.7	164.7	164.7	149.0	141.2	129.4	113.7	102.0	94.1	82.3
67.5°	152.9	152.9	149.0	137.2	125.5	109.8	94.1	82.3	66.7	58.8
70°	133.3	133.3	129.4	121.6	109.8	98.0	78.4	62.7	51.0	39.2
72.5°	113.7	113.7	109.8	102.0	94.1	82.3	66.7	54.9	35.3	27.4
75°	94.1	94.1	90.2	82.3	78.4	70.6	58.8	43.1	27.4	11.8
77.5°	78.4	78.4	74.5	70.6	66.7	58.8	51.0	35.3	19.6	7.8
80°	58.8	62.7	62.7	62.7	54.9	51.0	47.1	35.3	15.7	3.9
82.5°	43.1	47.1	47.1	47.1	43.1	39.2	43.1	31.4	15.7	3.9
85°	31.4	31.4	35.3	35.3	35.3	35.3	47.1	35.3	11.8	3.9
87.5°	15.7	15.7	15.7	15.7	15.7	19.6	23.5	19.6	7.8	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°  
152437.6  
*151602.3*  
150665.1  
148422.1  
144410.4  
138551.8  
130771.7  
121340.7  
106600.1  
92886.8  
78169.7  
43222.0  
21952.1  
13944.6  
9599.7  
6015.5  
3239.1  
1670.5  
925.5  
662.7  
572.5  
490.2  
419.6  
356.8  
301.9  
262.7  
231.4  
207.8  
184.3  
168.6  
141.2  
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