

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: P636205

Luminaire Tested: **IFLD-M-SA4E-935-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636205  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4E-935-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (64) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23005.4 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

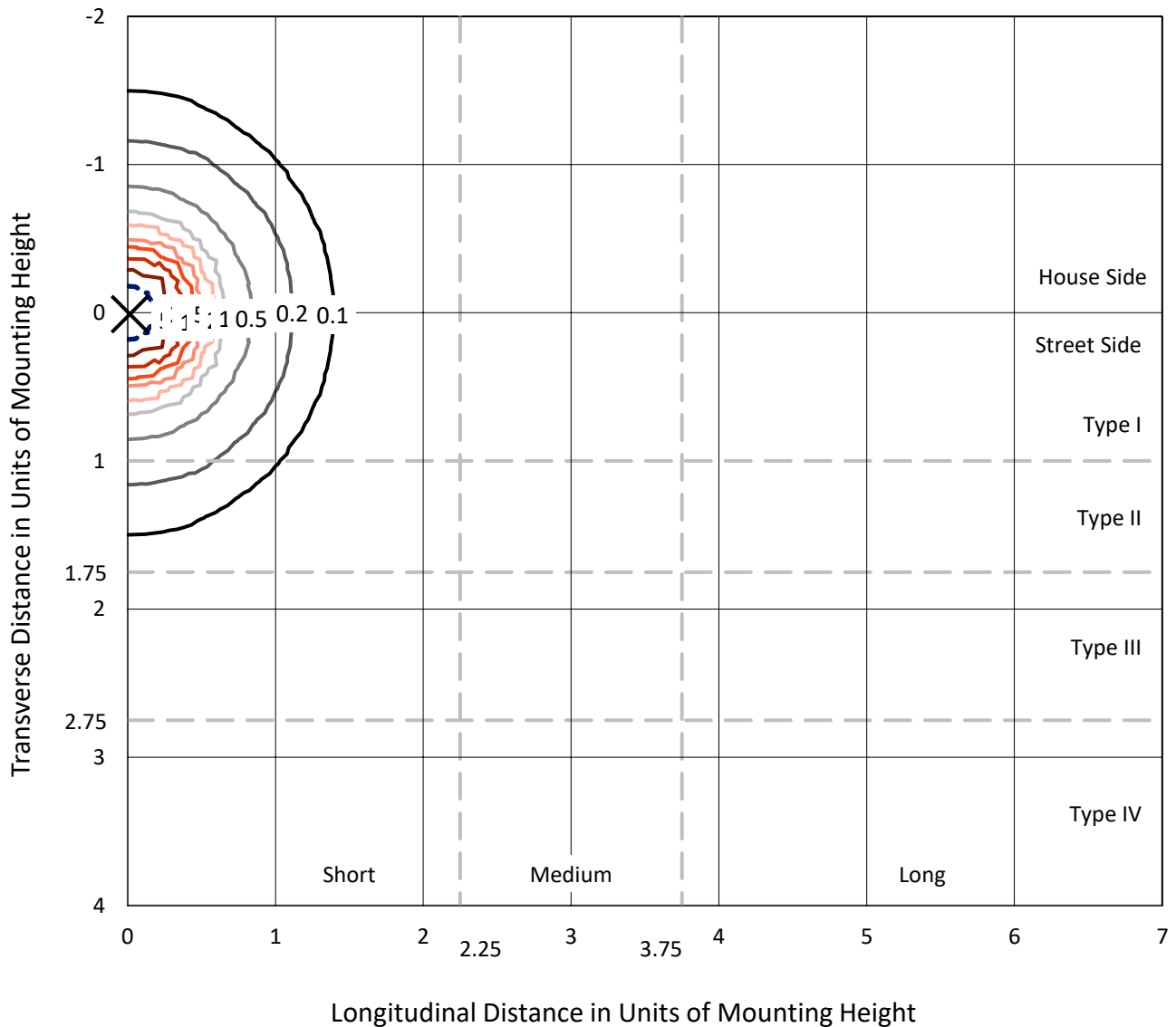
Input Watts (W): 314.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

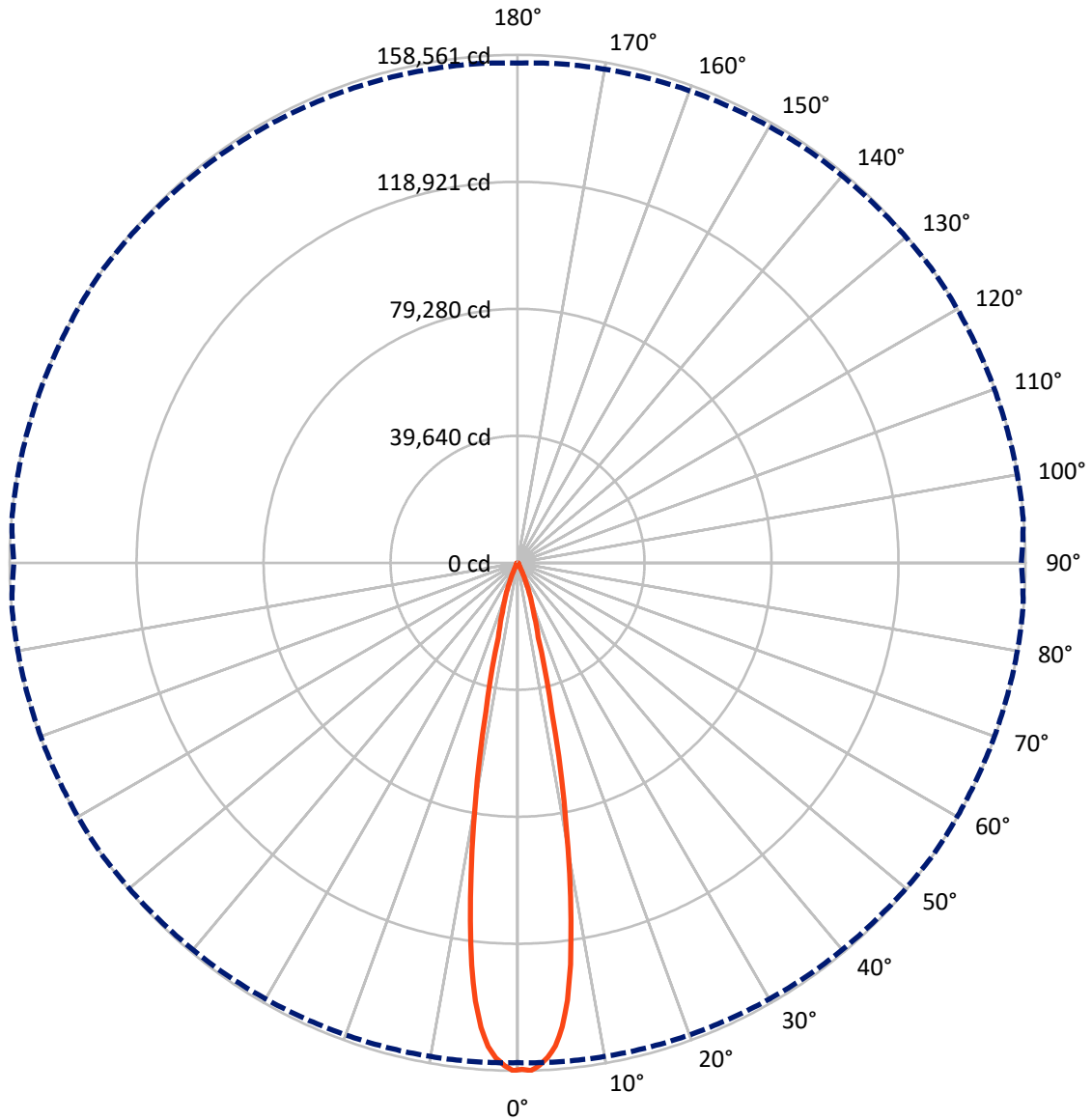
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 395.4 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	11502.7	0.0	11502.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11502.7	0.0	11502.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23005.4	0.0	23005.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11688.5	50.8
10°-20°	8283.8	36.0
20°-30°	1941.0	8.4
30°-40°	405.7	1.8
40°-50°	261.7	1.1
50°-60°	193.8	0.8
60°-70°	131.8	0.6
70°-80°	70.3	0.3
80°-90°	28.8	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°	23005.4	100.0
0°-180°	23005.4	100.0

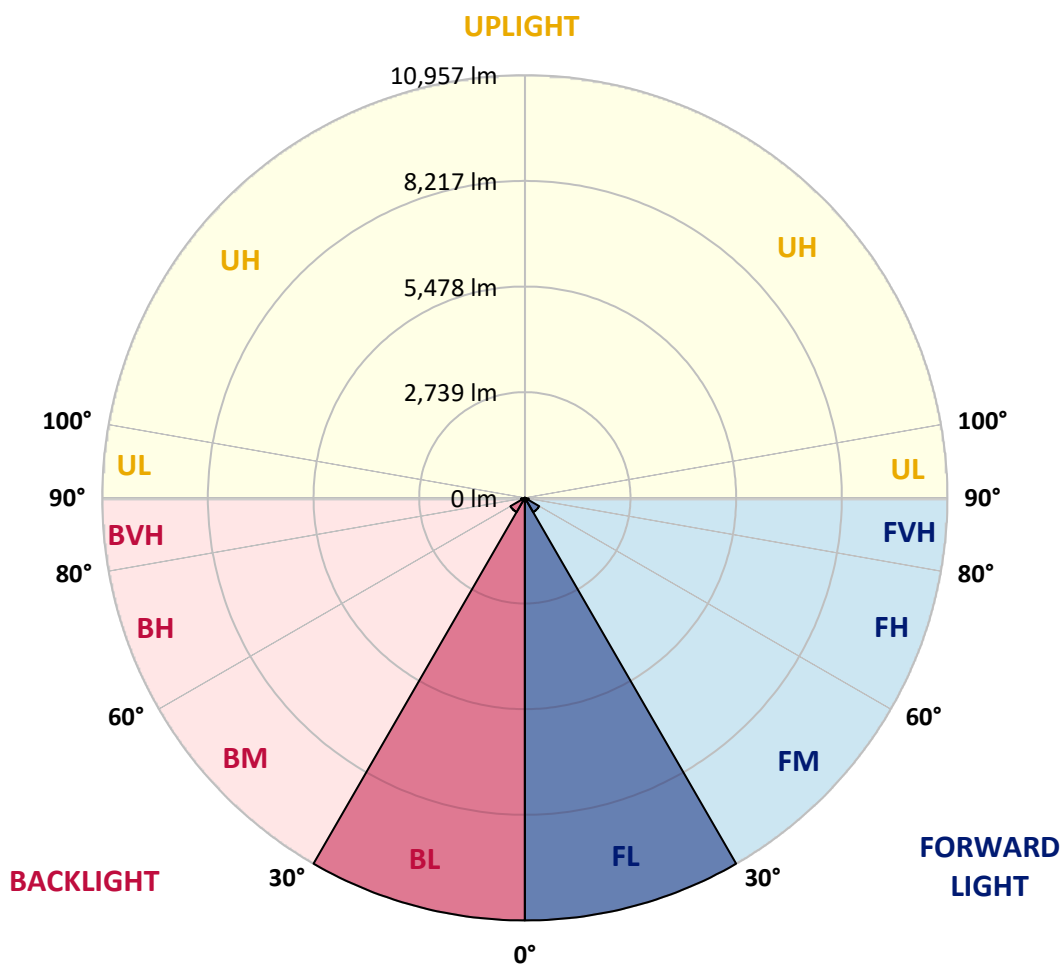


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10956.6	47.6			
FM (30°-60°)	430.6	1.9			
FH (60°-80°)	101.0	0.4			G0/660
FVH (80°-90°)	14.4	0.1			G1/100
BL (0°-30°)	10956.6	47.6	B5		
BM (30°-60°)	430.6	1.9	B1/1000		
BH (60°-80°)	101.0	0.4	B0/110		G0/660
BVH (80°-90°)	14.4	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°	158154.0	158154.0	158154.0	158154.0	158154.0	158154.0	158154.0	158154.0	158154.0	158154.0
1°	156026.2	156315.1	156669.0	156990.4	157474.6	157869.2	158560.9	158414.4	158394.1	158422.5
2°	153003.3	153365.4	153910.6	154232.0	155481.0	155993.7	157039.3	157348.5	157100.3	157381.0
3°	148475.1	148772.1	149626.5	150257.1	151876.4	153259.6	154659.2	155123.0	154834.1	154964.3
4°	143084.4	143389.5	144422.9	145708.5	148047.9	149581.7	151257.9	151672.9	150729.0	150794.1
5°	136668.4	136810.8	138076.1	139247.8	142046.9	143906.2	145497.0	145627.2	144764.6	144435.1
6°	129450.9	129194.6	130358.2	130854.5	134333.1	136229.0	137392.6	137242.0	136587.0	136306.3
7°	120874.5	120524.6	121464.5	121195.9	124275.8	125358.0	126476.8	125964.2	125443.4	126090.3
8°	110951.5	110756.2	110150.0	111248.5	111858.8	112827.1	112823.0	112526.0	112509.7	113587.9
9°	96524.7	98327.0	97794.0	98945.4	98790.8	98746.1	98449.1	98257.9	97444.2	98685.0
10°	80682.0	81861.9	82761.0	84477.9	84144.3	84616.2	82964.4	83245.2	82704.1	83729.3
12.5°	41762.9	43089.3	43866.3	45176.4	46616.6	48089.4	47613.4	47121.1	46384.7	47287.9
15°	20558.0	21082.9	21331.0	22661.4	23686.7	24056.9	24113.9	23678.6	23491.4	23686.7
17.5°	12616.4	12799.4	13519.6	15049.3	15936.2	16155.9	16013.5	15537.5	15004.6	14780.8
20°	9133.7	9186.6	9459.2	9756.2	10940.1	11558.6	11330.7	10862.8	10370.6	10138.7
22.5°	5964.4	6017.3	6106.8	6269.5	6586.9	7351.7	7103.6	6786.2	6452.6	6383.4
25°	3376.8	3376.8	3470.4	3637.2	3873.2	3930.2	3979.0	3641.3	3486.7	3417.5
27.5°	1883.7	1895.9	1916.3	1981.3	2099.3	2087.1	2034.2	1944.7	1839.0	1729.1
30°	1041.5	1053.7	1065.9	1082.2	1102.6	1065.9	1033.4	1017.1	972.4	960.2
32.5°	781.1	781.1	789.3	785.2	764.9	720.1	699.8	724.2	720.1	699.8
35°	642.8	642.8	651.0	667.2	626.5	594.0	577.7	610.3	610.3	598.1
37.5°	524.8	528.9	533.0	553.3	541.1	504.5	500.4	508.6	512.6	508.6
40°	459.7	455.7	455.7	459.7	451.6	443.5	435.3	431.3	435.3	431.3
42.5°	398.7	394.6	402.8	394.6	378.4	382.4	382.4	370.2	374.3	366.2
45°	349.9	345.8	349.9	341.8	329.5	333.6	333.6	317.3	317.3	313.3
47.5°	309.2	309.2	309.2	313.3	292.9	288.9	292.9	288.9	276.7	272.6
50°	268.5	272.6	276.7	284.8	264.5	256.3	256.3	256.3	248.2	244.1
52.5°	248.2	252.2	252.2	252.2	240.0	231.9	231.9	227.8	223.8	219.7
55°	240.0	240.0	240.0	223.8	219.7	215.6	203.4	199.4	195.3	195.3
57.5°	227.8	227.8	223.8	211.6	199.4	199.4	183.1	179.0	174.9	174.9
60°	203.4	203.4	203.4	199.4	183.1	179.0	162.7	154.6	150.5	150.5
62.5°	187.2	187.2	187.2	170.9	166.8	154.6	142.4	130.2	126.1	118.0
65°	170.9	170.9	170.9	154.6	146.5	134.3	118.0	105.8	97.6	85.4
67.5°	158.7	158.7	154.6	142.4	130.2	113.9	97.6	85.4	69.2	61.0
70°	138.3	138.3	134.3	126.1	113.9	101.7	81.4	65.1	52.9	40.7
72.5°	118.0	118.0	113.9	105.8	97.6	85.4	69.2	57.0	36.6	28.5
75°	97.6	97.6	93.6	85.4	81.4	73.2	61.0	44.8	28.5	12.2
77.5°	81.4	81.4	77.3	73.2	69.2	61.0	52.9	36.6	20.3	8.1
80°	61.0	65.1	65.1	65.1	57.0	52.9	48.8	36.6	16.3	4.1
82.5°	44.8	48.8	48.8	48.8	44.8	40.7	44.8	32.5	16.3	4.1
85°	32.5	32.5	36.6	36.6	36.6	36.6	48.8	36.6	12.2	4.1
87.5°	16.3	16.3	16.3	16.3	16.3	20.3	24.4	20.3	8.1	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°  
158154.0  
*157287.4*  
156315.1  
153987.9  
149825.8  
143747.5  
135675.7  
125891.0  
110597.6  
96370.1  
81101.1  
44842.8  
22775.4  
14467.5  
9959.6  
6241.0  
3360.6  
1733.2  
960.2  
687.6  
594.0  
508.6  
435.3  
370.2  
313.3  
272.6  
240.0  
215.6  
191.2  
174.9  
146.5  
109.8  
85.4  
57.0  
40.7  
24.4  
12.2  
4.1  
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4.1  
4.1  
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