

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: P636350

Luminaire Tested: **IFLD-M-SA4E-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636350
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-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22474.8 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

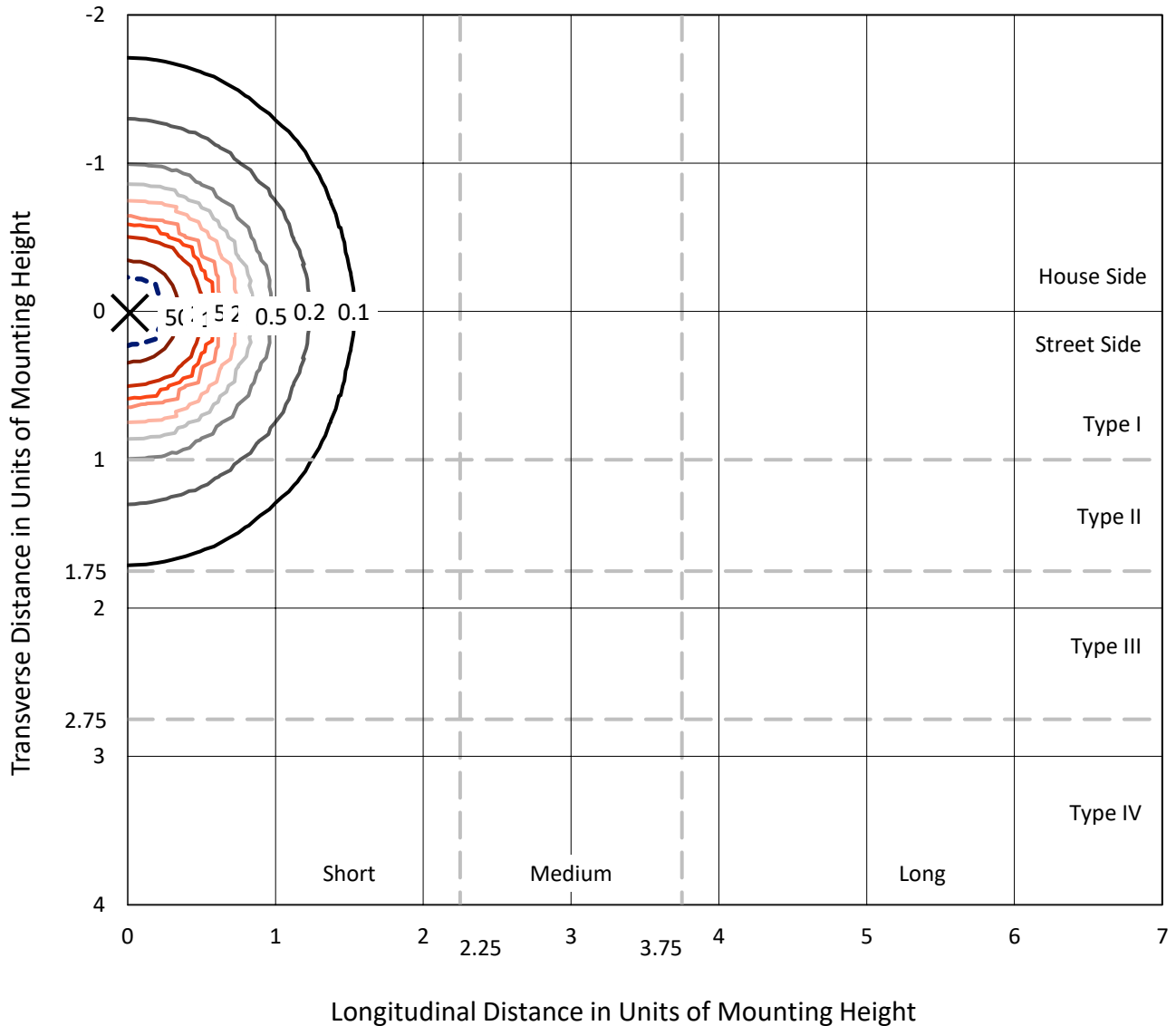
Input Watts (W): 314.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

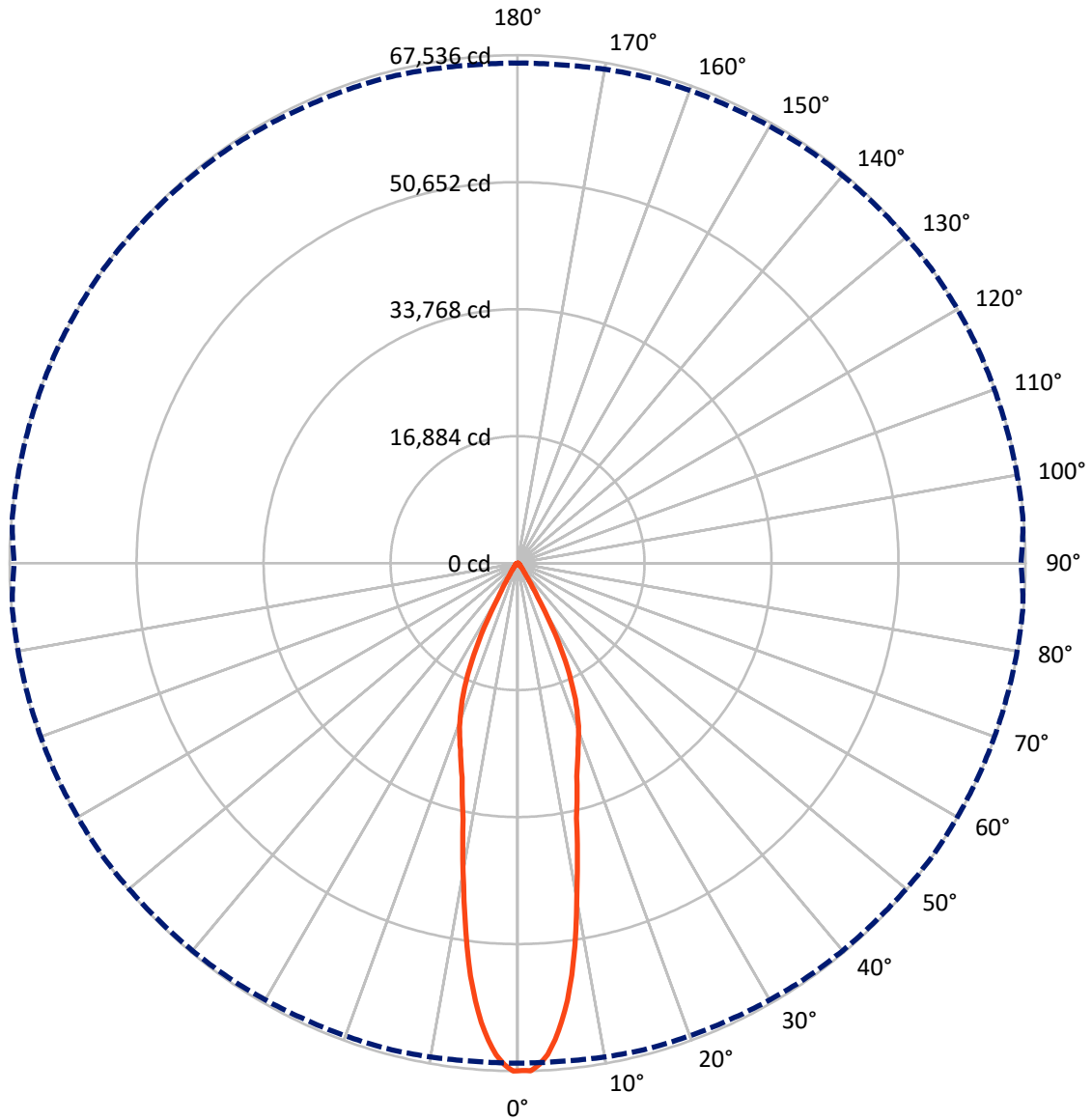
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 168.6 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	11237.4	0.0	11237.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11237.4	0.0	11237.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	22474.8	0.0	22474.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5132.6	22.8
10°-20°	8382.9	37.3
20°-30°	6550.7	29.1
30°-40°	1427.9	6.4
40°-50°	422.8	1.9
50°-60°	264.4	1.2
60°-70°	184.9	0.8
70°-80°	79.3	0.4
80°-90°	29.3	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°	22474.8	100.0
0°-180°	22474.8	100.0



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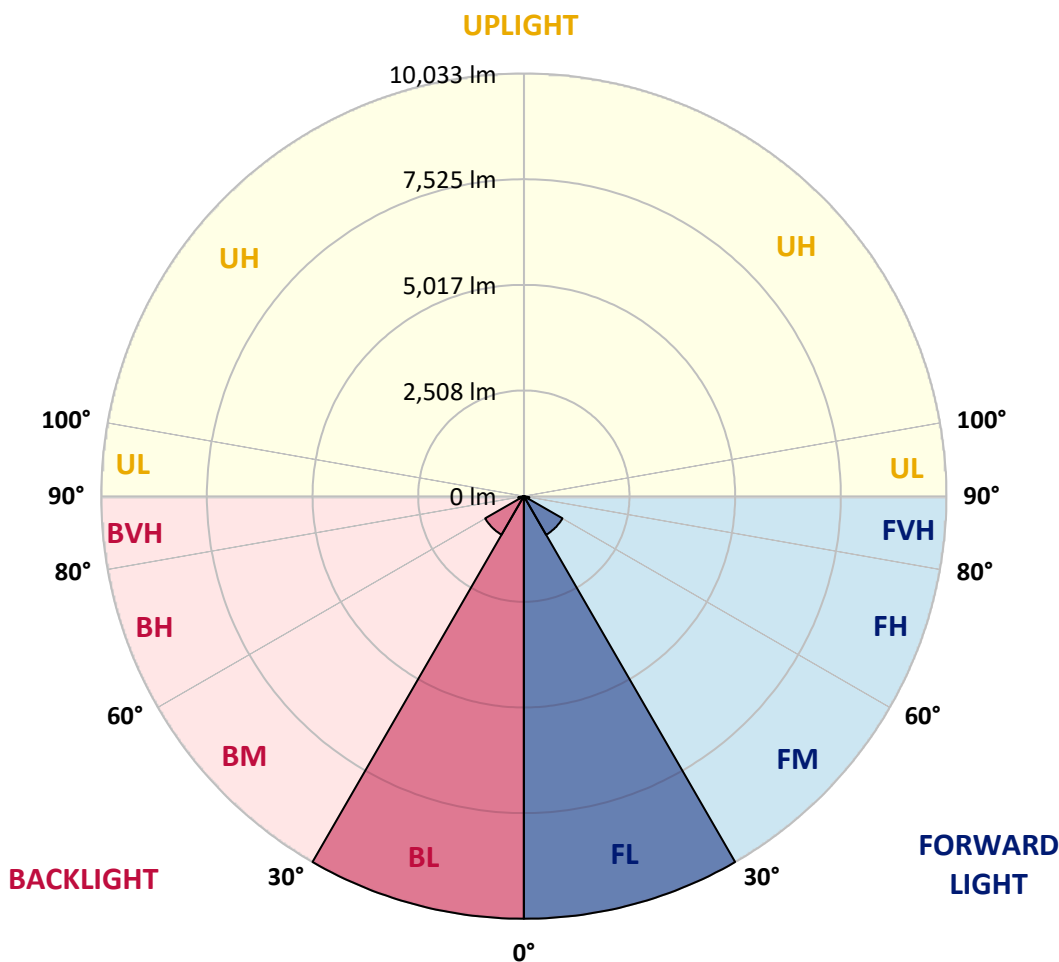
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10033.1	44.6			
FM (30°-60°)	1057.5	4.7			
FH (60°-80°)	132.1	0.6			G0/660
FVH (80°-90°)	14.7	0.1			G1/100
BL (0°-30°)	10033.1	44.6	B5		
BM (30°-60°)	1057.5	4.7	B2/2500		
BH (60°-80°)	132.1	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°	67458.4	67458.4	67458.4	67458.4	67458.4	67458.4	67458.4	67458.4	67458.4	67458.4
1°	66482.0	66490.1	66852.2	66933.6	67181.8	67307.9	67535.7	67511.3	67442.2	67450.3
2°	65257.3	65204.4	65542.1	65916.4	66213.4	66457.5	66730.1	66787.1	66722.0	66783.0
3°	63243.3	63166.0	63638.0	64105.9	64622.6	65041.6	65452.6	65468.9	65391.5	65387.5
4°	60594.6	60452.2	61013.7	61847.7	62498.7	63056.1	63568.8	63560.7	63454.9	63540.3
5°	57392.6	57213.5	57941.8	59040.4	60004.6	60676.0	61241.5	61107.2	60863.1	60875.3
6°	53462.2	53637.2	54528.2	56070.2	57209.5	57766.9	58462.6	58210.4	57787.2	57742.5
7°	49767.9	50162.5	50874.6	52733.9	54088.8	54674.7	55264.6	54756.1	54182.4	54088.8
8°	45878.2	46537.4	47522.0	49234.9	50679.3	51269.2	51493.0	50947.8	50333.4	50309.0
9°	42725.0	43176.7	44022.9	45532.4	47001.2	47395.9	47444.7	46968.6	46354.3	46395.0
10°	39856.6	39942.1	40674.4	41972.3	43148.2	43428.9	43416.7	43070.9	42566.4	42700.6
12.5°	33436.3	33668.2	33879.8	34294.8	34689.4	34872.5	34803.3	34660.9	34384.3	34396.5
15°	29078.7	29074.7	29099.1	29290.3	29408.3	29428.6	29428.6	29249.6	29131.6	29306.6
17.5°	25233.8	25445.4	25823.8	25978.4	26133.0	26076.1	25970.3	25888.9	25811.6	25962.1
20°	22243.4	22337.0	22341.0	22442.7	23223.9	23264.6	23130.3	22898.4	22703.1	22666.5
22.5°	18878.6	19021.0	19082.0	19171.5	19252.9	19846.9	19688.3	19313.9	19082.0	19012.9
25°	14171.2	14122.3	14521.1	15253.4	15371.4	15444.6	15404.0	15208.7	15058.1	15086.6
27.5°	9793.3	9878.7	9862.4	9870.6	10647.7	10643.6	10631.4	10460.5	10415.8	10350.7
30°	5476.4	5435.7	5456.1	5403.2	5293.3	5427.6	5212.0	5395.0	5216.0	5273.0
32.5°	3238.7	3210.2	3181.7	3193.9	3112.5	2913.2	2827.7	2953.8	2913.2	2896.9
35°	2066.9	2079.1	2115.7	2111.6	2038.4	1924.5	1802.4	1916.3	1900.1	1851.2
37.5°	1318.2	1318.2	1330.5	1436.2	1375.2	1277.6	1192.1	1240.9	1236.9	1228.7
40°	935.8	935.8	952.1	980.5	948.0	899.2	850.4	850.4	858.5	834.1
42.5°	695.7	695.7	712.0	728.3	687.6	671.3	646.9	630.6	651.0	630.6
45°	545.2	541.1	545.2	537.1	512.7	512.7	492.3	467.9	492.3	480.1
47.5°	447.6	443.5	439.4	423.1	398.7	402.8	394.7	374.3	386.5	382.5
50°	390.6	382.5	386.5	370.2	349.9	345.8	345.8	325.5	329.6	329.6
52.5°	341.8	341.8	337.7	329.6	321.4	305.1	309.2	288.9	288.9	288.9
55°	321.4	321.4	313.3	297.0	301.1	288.9	276.7	264.5	260.4	260.4
57.5°	317.4	317.4	313.3	297.0	284.8	280.7	264.5	248.2	236.0	240.1
60°	309.2	309.2	301.1	297.0	276.7	268.5	244.1	231.9	215.6	215.6
62.5°	297.0	292.9	276.7	252.3	252.3	231.9	215.6	191.2	179.0	175.0
65°	252.3	248.2	236.0	215.6	203.4	191.2	166.8	142.4	134.3	122.1
67.5°	207.5	207.5	199.4	179.0	170.9	154.6	126.1	109.9	89.5	81.4
70°	170.9	170.9	162.7	150.5	142.4	122.1	97.6	81.4	61.0	52.9
72.5°	138.3	138.3	130.2	122.1	113.9	101.7	81.4	61.0	40.7	32.5
75°	109.9	109.9	105.8	97.6	89.5	81.4	65.1	48.8	28.5	16.3
77.5°	89.5	89.5	85.4	81.4	73.2	65.1	52.9	40.7	20.3	8.1
80°	69.2	69.2	69.2	69.2	61.0	52.9	44.8	32.5	16.3	4.1
82.5°	48.8	48.8	52.9	61.0	48.8	40.7	40.7	32.5	12.2	4.1
85°	32.5	36.6	40.7	36.6	32.5	32.5	57.0	52.9	12.2	4.1
87.5°	16.3	16.3	16.3	16.3	16.3	12.2	16.3	12.2	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°
67458.4
66949.8
66302.9
65033.5
63137.5
60281.3
57148.4
53645.3
49418.0
45788.7
42228.7
33993.7
28899.7
25616.3
22430.5
18764.7
14989.0
10114.7
5342.2
2856.2
1798.3
1212.5
825.9
626.6
480.1
382.5
333.6
288.9
256.3
240.1
203.4
166.8
118.0
77.3
48.8
28.5
12.2
8.1
4.1
4.1
4.1
0.0
0.0

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