

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: P636416

Luminaire Tested: **IFLD-L-SA8C-950-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636416
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-950-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (128) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34226.5 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

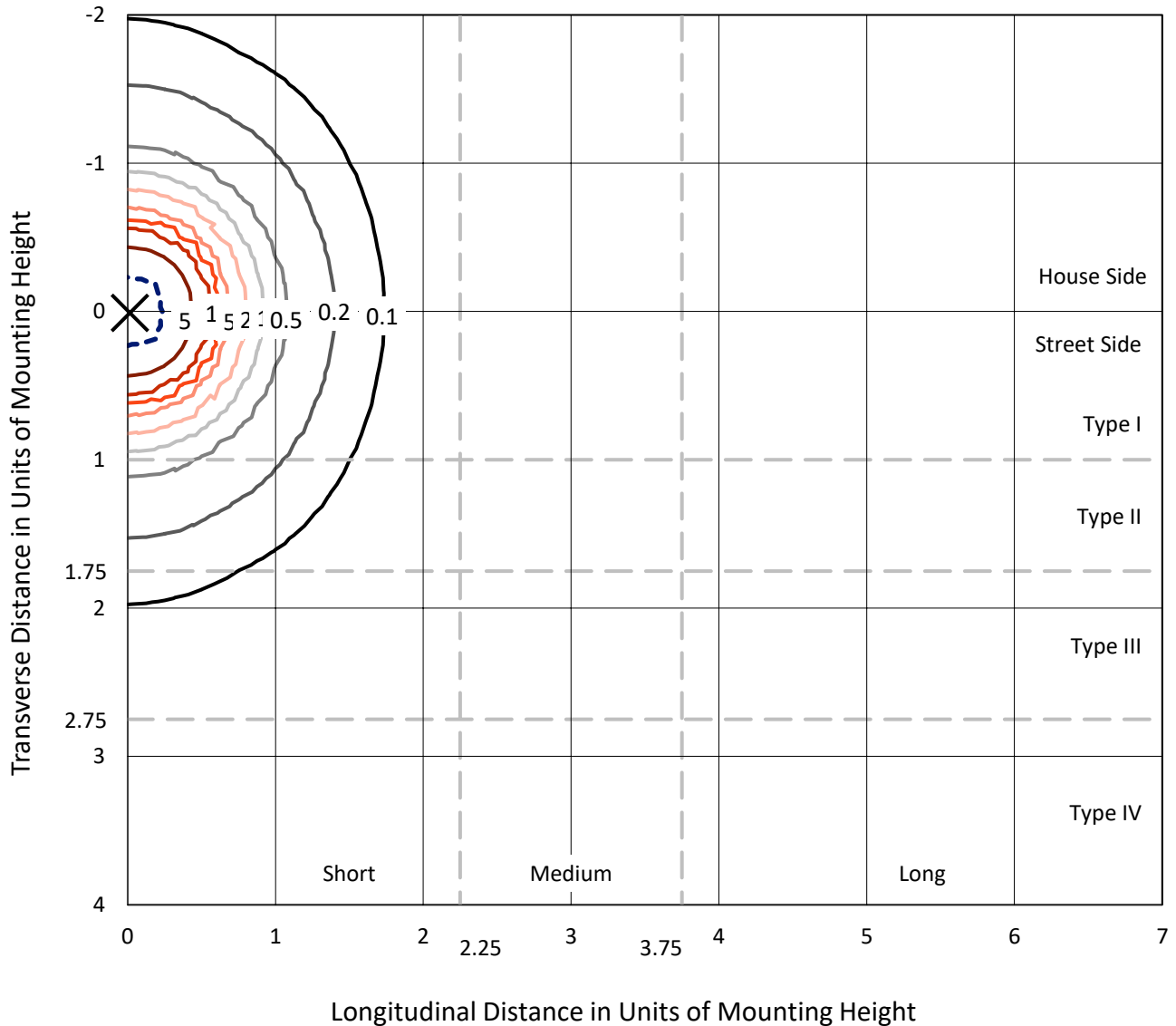
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

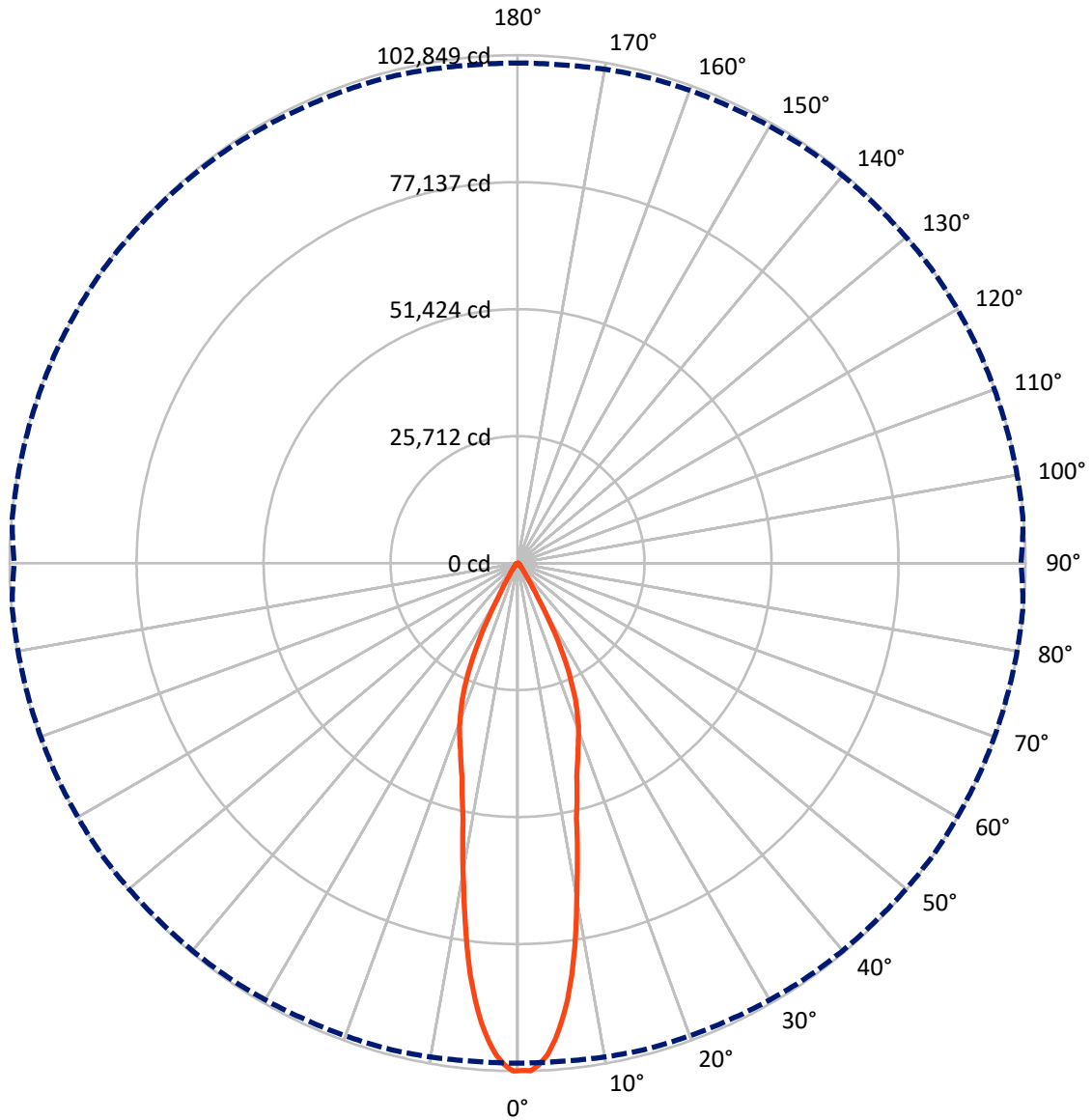
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 256.8 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
House Side	Lumens	17113.2	0.0	17113.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17113.2	0.0	17113.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	34226.5	0.0	34226.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7816.3	22.8
10°-20°	12766.2	37.3
20°-30°	9975.9	29.1
30°-40°	2174.5	6.4
40°-50°	643.8	1.9
50°-60°	402.7	1.2
60°-70°	281.6	0.8
70°-80°	120.8	0.4
80°-90°	44.7	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°	34226.5	100.0
0°-180°	34226.5	100.0



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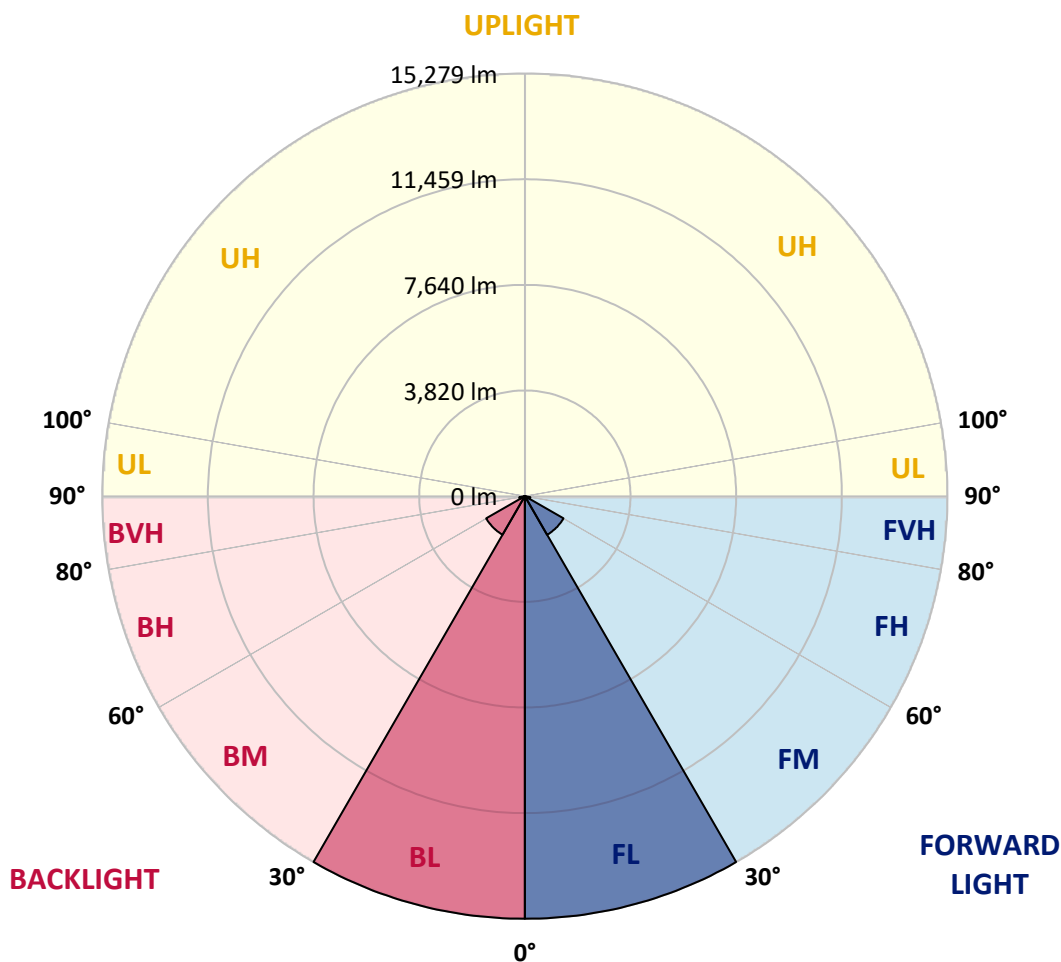
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15279.2	44.6			
FM (30°-60°)	1610.5	4.7			
FH (60°-80°)	201.2	0.6			G0/660
FVH (80°-90°)	22.3	0.1			G1/100
BL (0°-30°)	15279.2	44.6	B5		
BM (30°-60°)	1610.5	4.7	B2/2500		
BH (60°-80°)	201.2	0.6	B1/500		G0/660
BVH (80°-90°)	22.3	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°	102731.1	102731.1	102731.1	102731.1	102731.1	102731.1	102731.1	102731.1	102731.1	102731.1
1°	101244.0	101256.4	101807.8	101931.8	102309.7	102501.8	102848.8	102811.6	102706.3	102718.7
2°	99379.0	99298.4	99812.7	100382.7	100835.1	101206.8	101622.0	101708.7	101609.6	101702.5
3°	96311.9	96194.2	96912.9	97625.5	98412.4	99050.6	99676.4	99701.2	99583.4	99577.2
4°	92278.3	92061.4	92916.5	94186.7	95178.0	96026.9	96807.6	96795.2	96634.1	96764.2
5°	87401.9	87129.3	88238.4	89911.4	91379.8	92402.2	93263.4	93059.0	92687.2	92705.8
6°	81416.5	81683.0	83039.9	85388.2	87123.1	87972.0	89031.5	88647.4	88003.0	87934.8
7°	75790.5	76391.5	77475.8	80307.4	82370.7	83263.0	84161.4	83386.9	82513.2	82370.7
8°	69867.0	70870.8	72370.2	74978.8	77178.4	78076.8	78417.6	77587.3	76651.7	76614.6
9°	65065.1	65752.8	67041.6	69340.4	71577.1	72178.2	72252.5	71527.6	70592.0	70653.9
10°	60696.8	60826.9	61942.2	63918.8	65709.5	66137.0	66118.4	65591.7	64823.4	65027.9
12.5°	50919.4	51272.6	51594.8	52226.8	52827.8	53106.6	53001.3	52784.4	52363.1	52381.7
15°	44283.4	44277.2	44314.4	44605.6	44785.3	44816.3	44816.3	44543.6	44364.0	44630.4
17.5°	38428.1	38750.3	39326.5	39562.0	39797.4	39710.7	39549.6	39425.7	39307.9	39537.2
20°	33874.0	34016.5	34022.7	34177.6	35367.2	35429.2	35224.7	34871.6	34574.1	34518.4
22.5°	28749.8	28966.7	29059.6	29195.9	29319.9	30224.5	29982.8	29412.8	29059.6	28954.3
25°	21581.0	21506.6	22113.8	23229.1	23408.8	23520.3	23458.4	23161.0	22931.7	22975.1
27.5°	14914.0	15044.1	15019.3	15031.7	16215.1	16209.0	16190.4	15930.1	15862.0	15762.8
30°	8339.9	8278.0	8308.9	8228.4	8061.1	8265.6	7937.2	8216.0	7943.4	8030.1
32.5°	4932.1	4888.7	4845.3	4863.9	4740.0	4436.4	4306.3	4498.4	4436.4	4411.6
35°	3147.6	3166.2	3222.0	3215.8	3104.2	2930.7	2744.9	2918.4	2893.6	2819.2
37.5°	2007.5	2007.5	2026.1	2187.2	2094.3	1945.6	1815.5	1889.8	1883.6	1871.2
40°	1425.1	1425.1	1449.9	1493.3	1443.7	1369.3	1295.0	1295.0	1307.4	1270.2
42.5°	1059.5	1059.5	1084.3	1109.1	1047.1	1022.4	985.2	960.4	991.4	960.4
45°	830.3	824.1	830.3	817.9	780.7	780.7	749.7	712.5	749.7	731.1
47.5°	681.6	675.4	669.2	644.4	607.2	613.4	601.0	570.0	588.6	582.4
50°	594.8	582.4	588.6	563.8	532.9	526.7	526.7	495.7	501.9	501.9
52.5°	520.5	520.5	514.3	501.9	489.5	464.7	470.9	439.9	439.9	439.9
55°	489.5	489.5	477.1	452.3	458.5	439.9	421.3	402.7	396.5	396.5
57.5°	483.3	483.3	477.1	452.3	433.7	427.5	402.7	378.0	359.4	365.6
60°	470.9	470.9	458.5	452.3	421.3	408.9	371.8	353.2	328.4	328.4
62.5°	452.3	446.1	421.3	384.2	384.2	353.2	328.4	291.2	272.6	266.4
65°	384.2	378.0	359.4	328.4	309.8	291.2	254.0	216.9	204.5	185.9
67.5°	316.0	316.0	303.6	272.6	260.2	235.5	192.1	167.3	136.3	123.9
70°	260.2	260.2	247.8	229.3	216.9	185.9	148.7	123.9	92.9	80.5
72.5°	210.7	210.7	198.3	185.9	173.5	154.9	123.9	92.9	62.0	49.6
75°	167.3	167.3	161.1	148.7	136.3	123.9	99.1	74.4	43.4	24.8
77.5°	136.3	136.3	130.1	123.9	111.5	99.1	80.5	62.0	31.0	12.4
80°	105.3	105.3	105.3	105.3	92.9	80.5	68.2	49.6	24.8	6.2
82.5°	74.4	74.4	80.5	92.9	74.4	62.0	62.0	49.6	18.6	6.2
85°	49.6	55.8	62.0	55.8	49.6	49.6	86.7	80.5	18.6	6.2
87.5°	24.8	24.8	24.8	24.8	24.8	18.6	24.8	18.6	12.4	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°
102731.1
101956.5
100971.4
99038.2
96150.8
91801.2
87030.2
81695.4
75257.6
69730.7
64309.1
51768.3
44010.8
39010.5
34159.0
28576.3
22826.4
15403.5
8135.5
4349.7
2738.7
1846.4
1257.8
954.2
731.1
582.4
508.1
439.9
390.4
365.6
309.8
254.0
179.7
117.7
74.4
43.4
18.6
12.4
6.2
6.2
6.2
0.0
0.0

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