

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: P636322

Luminaire Tested: **IFLD-L-SA7A-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636322
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-930-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18728.2 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

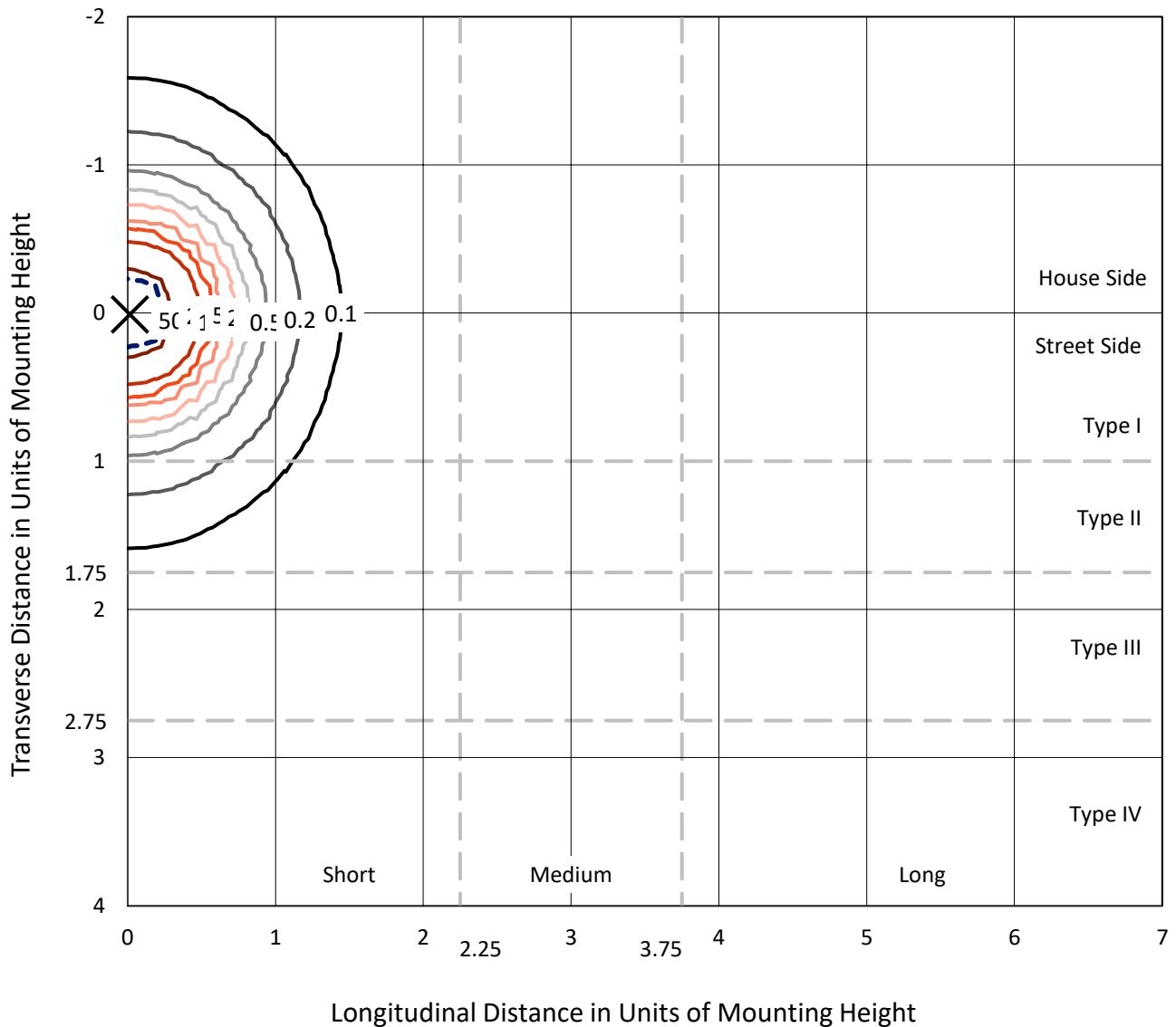
Input Watts (W): 217.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

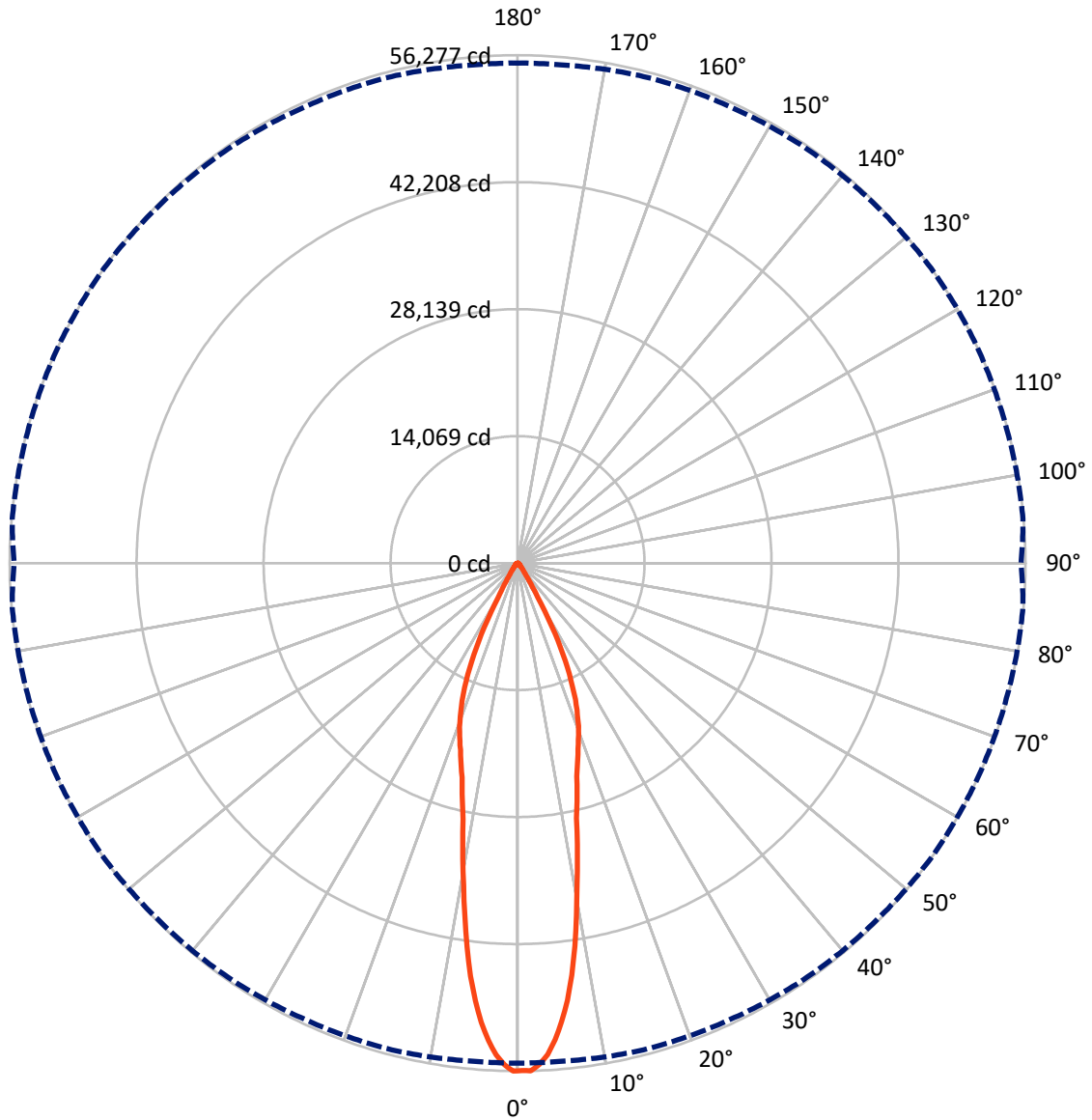
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 140.5 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	9364.1	0.0	9364.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9364.1	0.0	9364.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	18728.2	0.0	18728.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4277.0	22.8
10°-20°	6985.5	37.3
20°-30°	5458.7	29.1
30°-40°	1189.8	6.4
40°-50°	352.3	1.9
50°-60°	220.3	1.2
60°-70°	154.1	0.8
70°-80°	66.1	0.4
80°-90°	24.4	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°	18728.2	100.0
0°-180°	18728.2	100.0



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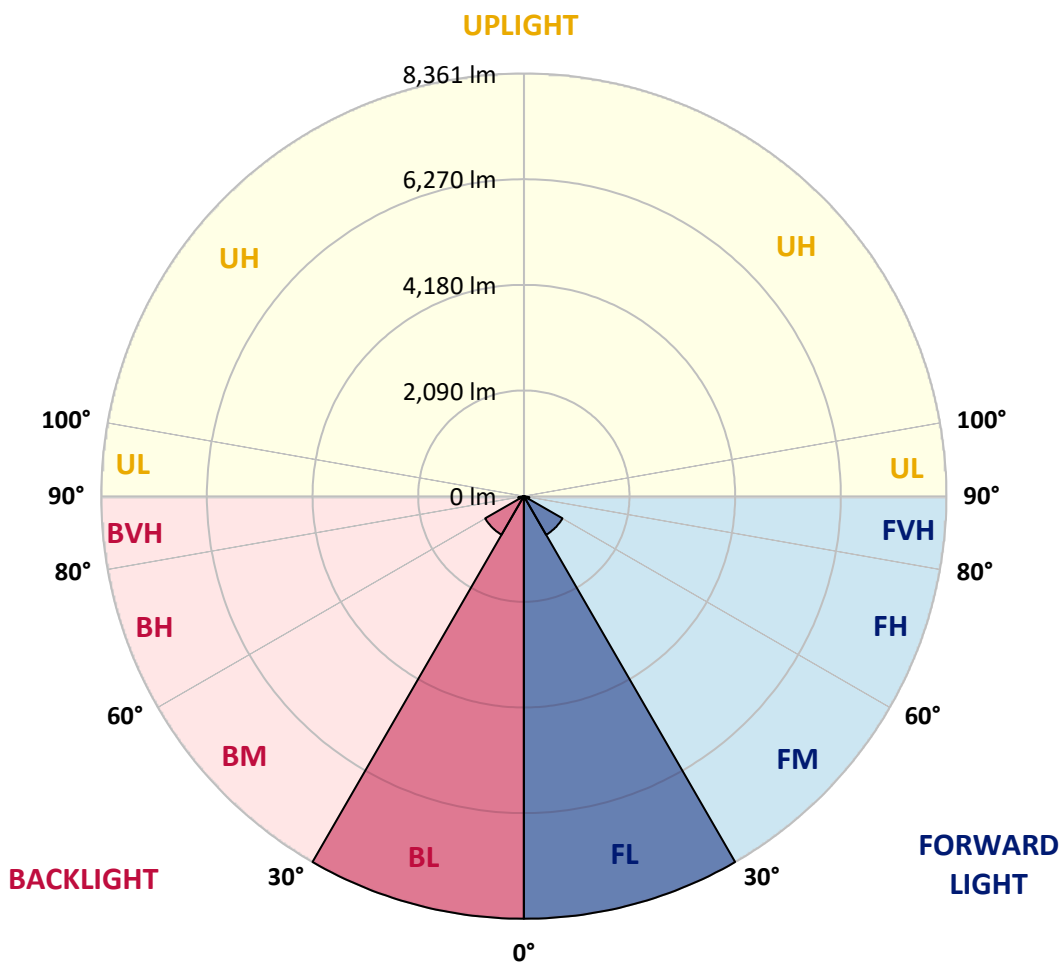
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8360.6	44.6			
FM (30°-60°)	881.2	4.7			
FH (60°-80°)	110.1	0.6			G0/660
FVH (80°-90°)	12.2	0.1			G1/100
BL (0°-30°)	8360.6	44.6	B5		
BM (30°-60°)	881.2	4.7	B1/1000		
BH (60°-80°)	110.1	0.6	B1/500		G0/660
BVH (80°-90°)	12.2	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°	56212.9	56212.9	56212.9	56212.9	56212.9	56212.9	56212.9	56212.9	56212.9	56212.9
1°	55399.2	55406.0	55707.7	55775.5	55982.4	56087.5	56277.3	56257.0	56199.4	56206.1
2°	54378.7	54334.6	54616.0	54927.9	55175.4	55378.9	55606.0	55653.5	55599.2	55650.1
3°	52700.5	52636.0	53029.3	53419.2	53849.8	54199.0	54541.4	54555.0	54490.6	54487.2
4°	50493.3	50374.6	50842.5	51537.5	52080.0	52544.5	52971.7	52964.9	52876.8	52948.0
5°	47825.1	47675.9	48282.8	49198.2	50001.7	50561.1	51032.4	50920.5	50717.1	50727.2
6°	44549.9	44695.7	45438.2	46723.2	47672.5	48137.0	48716.7	48506.5	48153.9	48116.6
7°	41471.4	41800.3	42393.6	43943.0	45072.0	45560.3	46051.9	45628.1	45150.0	45072.0
8°	38230.2	38779.5	39599.9	41027.3	42230.9	42722.5	42909.0	42454.6	41942.7	41922.4
9°	35602.6	35979.0	36684.2	37942.0	39166.0	39494.8	39535.5	39138.8	38626.9	38660.8
10°	33212.4	33283.6	33893.9	34975.4	35955.2	36189.2	36179.0	35890.8	35470.4	35582.3
12.5°	27862.3	28055.6	28231.9	28577.7	28906.6	29059.2	29001.5	28882.9	28652.3	28662.5
15°	24231.2	24227.8	24248.2	24407.5	24505.8	24522.8	24522.8	24373.6	24275.3	24421.1
17.5°	21027.3	21203.6	21518.9	21647.7	21776.6	21729.1	21641.0	21573.1	21508.7	21634.2
20°	18535.3	18613.3	18616.7	18701.5	19352.4	19386.3	19274.5	19081.2	18918.5	18887.9
22.5°	15731.5	15850.1	15901.0	15975.6	16043.4	16538.4	16406.2	16094.3	15901.0	15843.4
25°	11808.8	11768.1	12100.4	12710.6	12808.9	12870.0	12836.1	12673.3	12547.9	12571.6
27.5°	8160.7	8231.9	8218.3	8225.1	8872.7	8869.3	8859.1	8716.7	8679.4	8625.2
30°	4563.5	4529.6	4546.5	4502.5	4410.9	4522.8	4343.1	4495.7	4346.5	4394.0
32.5°	2698.8	2675.0	2651.3	2661.5	2593.7	2427.5	2356.3	2461.4	2427.5	2414.0
35°	1722.3	1732.5	1763.0	1759.6	1698.6	1603.7	1501.9	1596.9	1583.3	1542.6
37.5°	1098.5	1098.5	1108.7	1196.8	1146.0	1064.6	993.4	1034.1	1030.7	1023.9
40°	779.8	779.8	793.4	817.1	790.0	749.3	708.6	708.6	715.4	695.0
42.5°	579.8	579.8	593.3	606.9	573.0	559.4	539.1	525.5	542.5	525.5
45°	454.3	450.9	454.3	447.5	427.2	427.2	410.2	389.9	410.2	400.1
47.5°	372.9	369.6	366.2	352.6	332.3	335.7	328.9	311.9	322.1	318.7
50°	325.5	318.7	322.1	308.5	291.6	288.2	288.2	271.2	274.6	274.6
52.5°	284.8	284.8	281.4	274.6	267.8	254.3	257.7	240.7	240.7	240.7
55°	267.8	267.8	261.1	247.5	250.9	240.7	230.5	220.4	217.0	217.0
57.5°	264.5	264.5	261.1	247.5	237.3	233.9	220.4	206.8	196.6	200.0
60°	257.7	257.7	250.9	247.5	230.5	223.8	203.4	193.3	179.7	179.7
62.5°	247.5	244.1	230.5	210.2	210.2	193.3	179.7	159.3	149.2	145.8
65°	210.2	206.8	196.6	179.7	169.5	159.3	139.0	118.7	111.9	101.7
67.5°	172.9	172.9	166.1	149.2	142.4	128.8	105.1	91.5	74.6	67.8
70°	142.4	142.4	135.6	125.4	118.7	101.7	81.4	67.8	50.9	44.1
72.5°	115.3	115.3	108.5	101.7	94.9	84.8	67.8	50.9	33.9	27.1
75°	91.5	91.5	88.2	81.4	74.6	67.8	54.2	40.7	23.7	13.6
77.5°	74.6	74.6	71.2	67.8	61.0	54.2	44.1	33.9	17.0	6.8
80°	57.6	57.6	57.6	57.6	50.9	44.1	37.3	27.1	13.6	3.4
82.5°	40.7	40.7	44.1	50.9	40.7	33.9	33.9	27.1	10.2	3.4
85°	27.1	30.5	33.9	30.5	27.1	27.1	47.5	44.1	10.2	3.4
87.5°	13.6	13.6	13.6	13.6	13.6	10.2	13.6	10.2	6.8	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°
56212.9
55789.1
55250.0
54192.2
52612.3
50232.2
47621.6
44702.5
41179.9
38155.6
35189.0
28326.8
24082.0
21346.0
18691.3
15636.5
12490.3
8428.5
4451.6
2380.1
1498.6
1010.3
688.3
522.1
400.1
318.7
278.0
240.7
213.6
200.0
169.5
139.0
98.3
64.4
40.7
23.7
10.2
6.8
3.4
3.4
3.4
0.0
0.0

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