

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: P636287

Luminaire Tested: **IFLD-S-SA6E-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636287
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31318.4 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

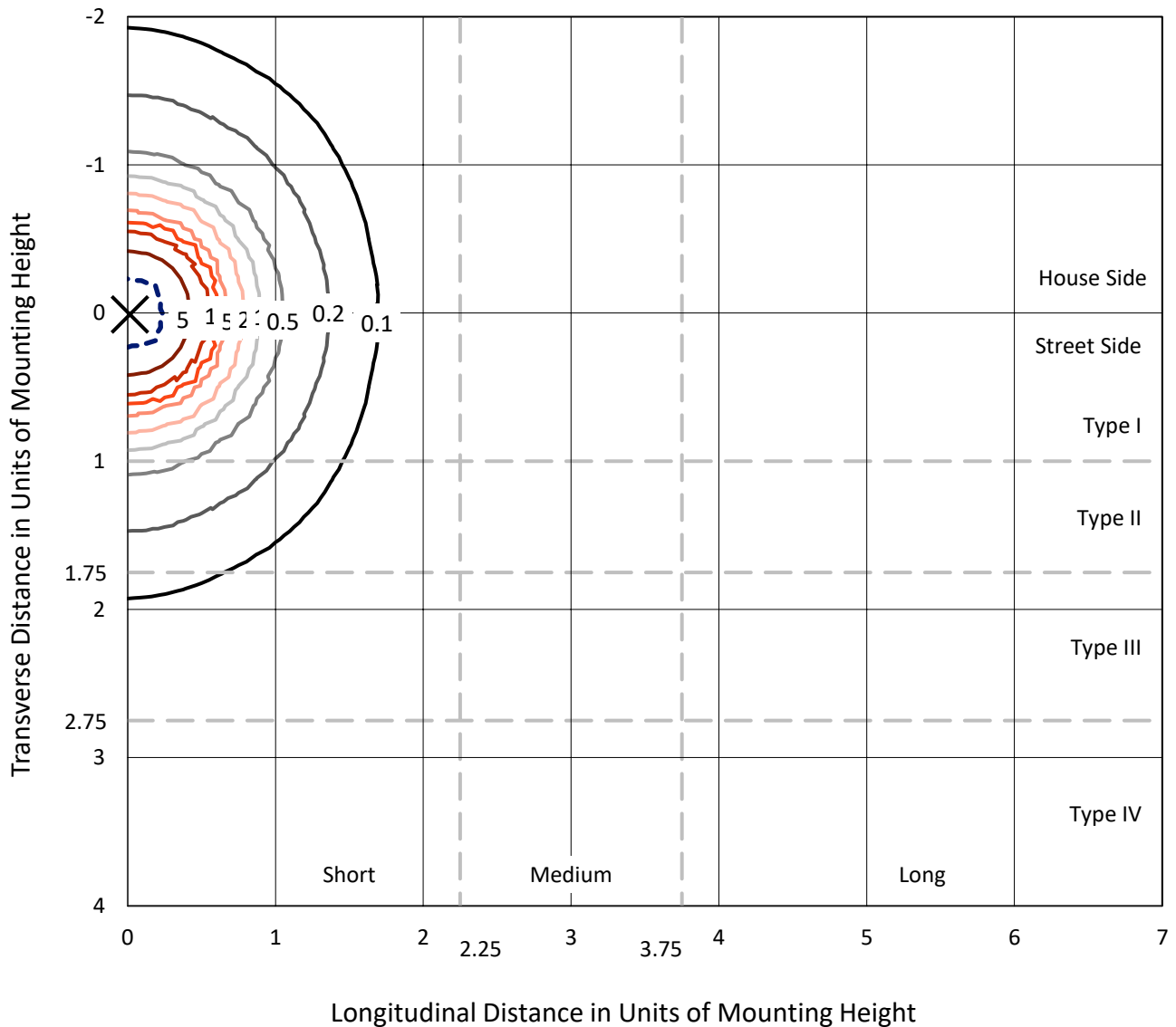
Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

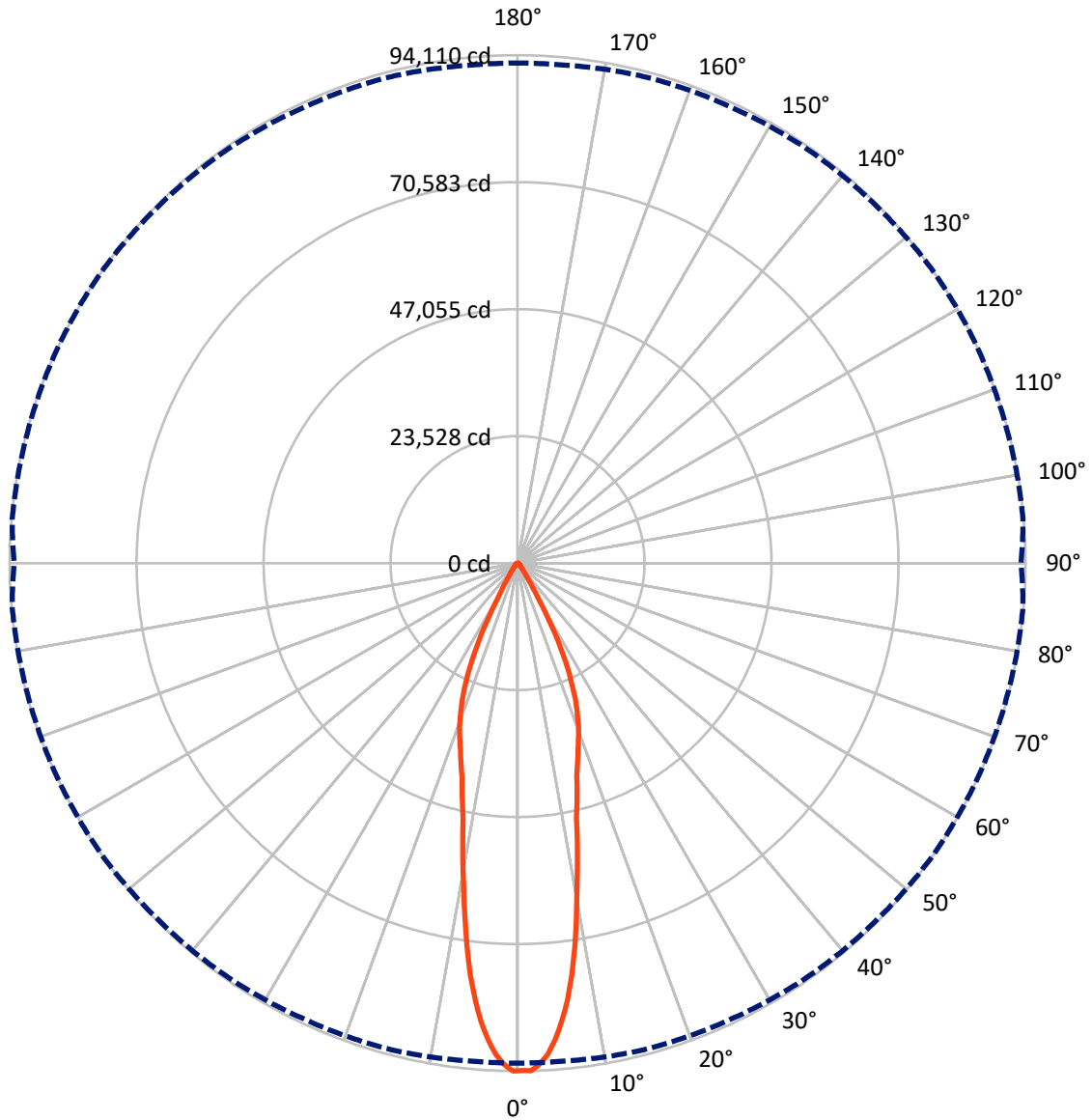
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 235 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	15659.2	0.0	15659.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15659.2	0.0	15659.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	31318.4	0.0	31318.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7152.2	22.8
10°-20°	11681.5	37.3
20°-30°	9128.3	29.1
30°-40°	1989.7	6.4
40°-50°	589.1	1.9
50°-60°	368.4	1.2
60°-70°	257.7	0.8
70°-80°	110.6	0.4
80°-90°	40.9	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°	31318.4	100.0
0°-180°	31318.4	100.0



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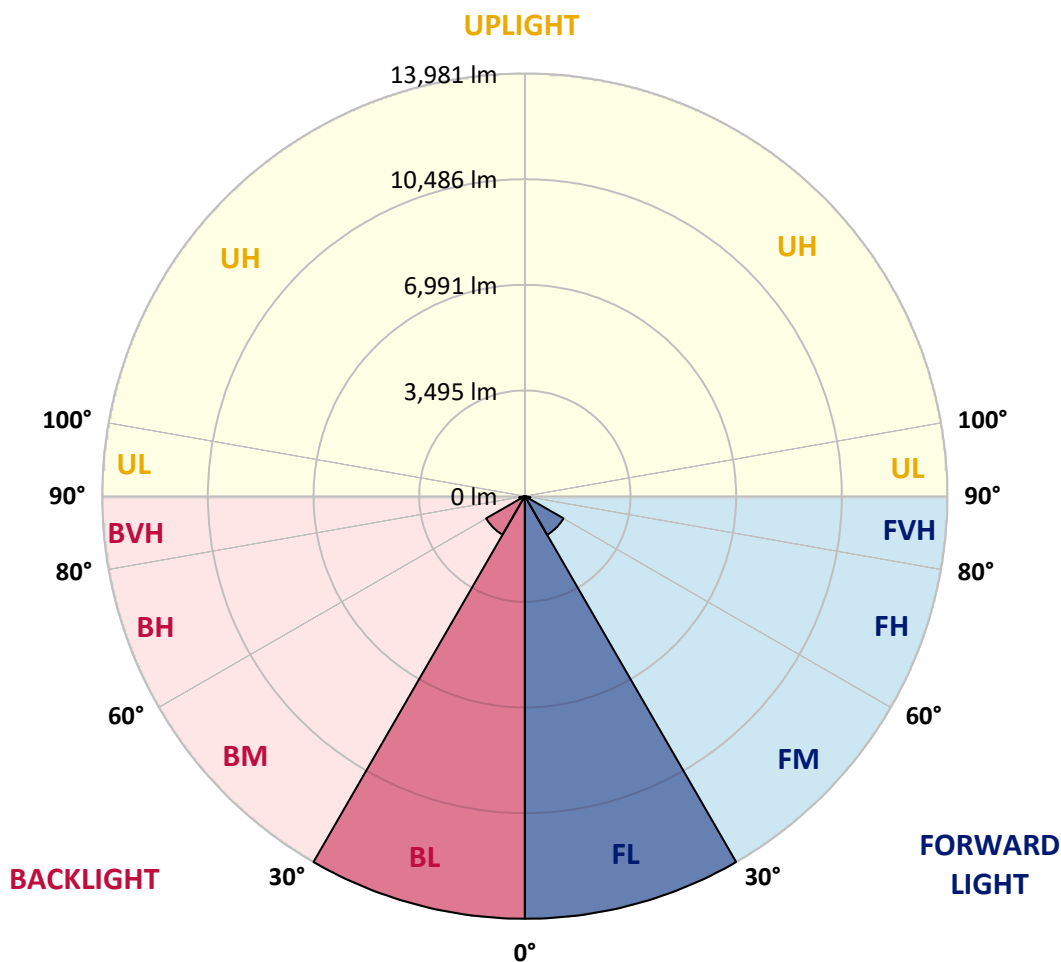
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13981.0	44.6			
FM (30°-60°)	1473.6	4.7			
FH (60°-80°)	184.1	0.6			G0/660
FVH (80°-90°)	20.4	0.1			G1/100
BL (0°-30°)	13981.0	44.6	B5		
BM (30°-60°)	1473.6	4.7	B2/2500		
BH (60°-80°)	184.1	0.6	B1/500		G0/660
BVH (80°-90°)	20.4	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°	94002.4	94002.4	94002.4	94002.4	94002.4	94002.4	94002.4	94002.4	94002.4	94002.4
1°	92641.7	92653.0	93157.6	93271.0	93616.9	93792.6	94110.1	94076.1	93979.7	93991.1
2°	90935.1	90861.4	91332.0	91853.6	92267.5	92607.7	92987.6	93066.9	92976.2	93061.3
3°	88128.7	88021.0	88678.6	89330.6	90050.7	90634.7	91207.3	91230.0	91122.2	91116.6
4°	84437.8	84239.3	85021.7	86184.0	87091.1	87867.9	88582.3	88570.9	88423.5	88542.6
5°	79975.8	79726.3	80741.2	82272.0	83615.7	84551.1	85339.2	85152.1	84811.9	84829.0
6°	74498.9	74742.7	75984.3	78133.1	79720.6	80497.4	81466.9	81115.4	80525.7	80463.3
7°	69350.9	69900.8	70893.0	73484.0	75372.0	76188.4	77010.5	76301.8	75502.4	75372.0
8°	63930.7	64849.2	66221.2	68608.2	70620.9	71443.0	71754.8	70995.1	70139.0	70104.9
9°	59536.8	60166.1	61345.4	63448.8	65495.5	66045.5	66113.5	65450.2	64594.1	64650.8
10°	55539.7	55658.7	56679.3	58487.9	60126.4	60517.6	60500.6	60018.7	59315.6	59502.7
12.5°	46593.0	46916.2	47211.0	47789.3	48339.2	48594.4	48498.0	48299.6	47914.0	47931.0
15°	40520.8	40515.2	40549.2	40815.6	40980.1	41008.4	41008.4	40758.9	40594.5	40838.3
17.5°	35163.0	35457.8	35985.1	36200.6	36416.0	36336.6	36189.2	36075.8	35968.1	36177.9
20°	30995.9	31126.3	31131.9	31273.7	32362.2	32418.9	32231.8	31908.7	31636.5	31585.5
22.5°	26307.1	26505.5	26590.6	26715.3	26828.7	27656.4	27435.3	26913.7	26590.6	26494.2
25°	19747.3	19679.3	20234.9	21255.4	21419.9	21521.9	21465.2	21193.1	20983.3	21023.0
27.5°	13646.8	13765.9	13743.2	13754.5	14837.4	14831.7	14814.7	14576.6	14514.2	14423.5
30°	7631.3	7574.6	7603.0	7529.3	7376.2	7563.3	7262.8	7517.9	7268.5	7347.8
32.5°	4513.0	4473.3	4433.6	4450.7	4337.3	4059.5	3940.4	4116.1	4059.5	4036.8
35°	2880.2	2897.2	2948.2	2942.5	2840.5	2681.7	2511.6	2670.4	2647.7	2579.7
37.5°	1837.0	1837.0	1854.0	2001.4	1916.3	1780.3	1661.2	1729.2	1723.6	1712.2
40°	1304.0	1304.0	1326.7	1366.4	1321.0	1253.0	1185.0	1185.0	1196.3	1162.3
42.5°	969.5	969.5	992.2	1014.9	958.2	935.5	901.5	878.8	907.1	878.8
45°	759.7	754.1	759.7	748.4	714.4	714.4	686.0	652.0	686.0	669.0
47.5°	623.7	618.0	612.3	589.6	555.6	561.3	550.0	521.6	538.6	532.9
50°	544.3	532.9	538.6	515.9	487.6	481.9	481.9	453.6	459.2	459.2
52.5°	476.2	476.2	470.6	459.2	447.9	425.2	430.9	402.5	402.5	402.5
55°	447.9	447.9	436.6	413.9	419.6	402.5	385.5	368.5	362.9	362.9
57.5°	442.2	442.2	436.6	413.9	396.9	391.2	368.5	345.8	328.8	334.5
60°	430.9	430.9	419.6	413.9	385.5	374.2	340.2	323.2	300.5	300.5
62.5°	413.9	408.2	385.5	351.5	351.5	323.2	300.5	266.5	249.5	243.8
65°	351.5	345.8	328.8	300.5	283.5	266.5	232.5	198.4	187.1	170.1
67.5°	289.2	289.2	277.8	249.5	238.1	215.4	175.8	153.1	124.7	113.4
70°	238.1	238.1	226.8	209.8	198.4	170.1	136.1	113.4	85.0	73.7
72.5°	192.8	192.8	181.4	170.1	158.7	141.7	113.4	85.0	56.7	45.4
75°	153.1	153.1	147.4	136.1	124.7	113.4	90.7	68.0	39.7	22.7
77.5°	124.7	124.7	119.1	113.4	102.1	90.7	73.7	56.7	28.3	11.3
80°	96.4	96.4	96.4	96.4	85.0	73.7	62.4	45.4	22.7	5.7
82.5°	68.0	68.0	73.7	85.0	68.0	56.7	56.7	45.4	17.0	5.7
85°	45.4	51.0	56.7	51.0	45.4	45.4	79.4	73.7	17.0	5.7
87.5°	22.7	22.7	22.7	22.7	22.7	17.0	22.7	17.0	11.3	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°
94002.4
93293.7
92392.2
90623.3
87981.3
84001.2
79635.6
74754.0
68863.3
63806.0
58845.1
47369.7
40271.4
35696.0
31256.7
26148.3
20886.9
14094.7
7444.2
3980.1
2506.0
1689.5
1150.9
873.1
669.0
532.9
464.9
402.5
357.2
334.5
283.5
232.5
164.4
107.7
68.0
39.7
17.0
11.3
5.7
5.7
5.7
0.0
0.0

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