

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: P636020

Luminaire Tested: **IFLD-S-SA3D-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636020
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14173.9 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

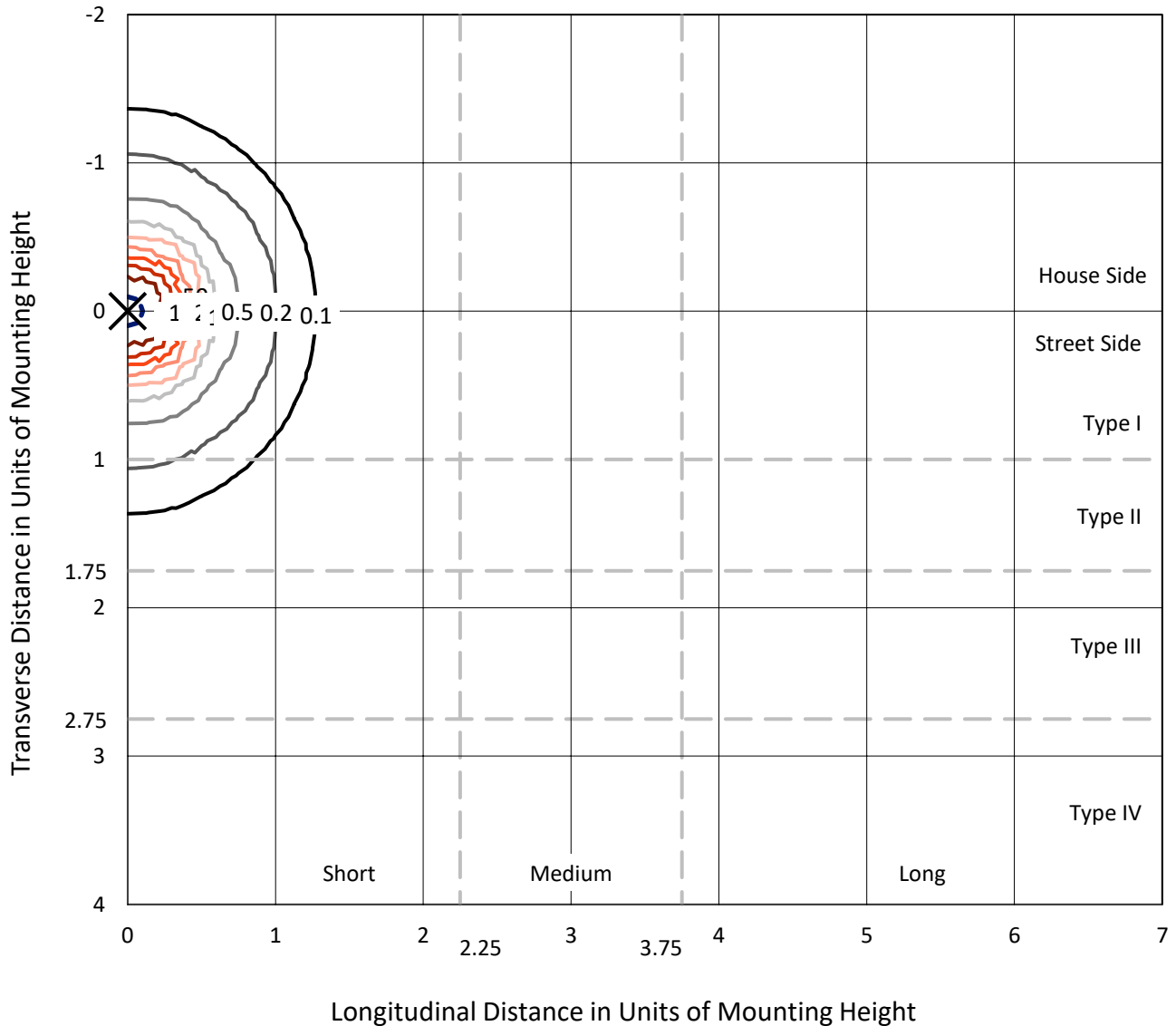
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

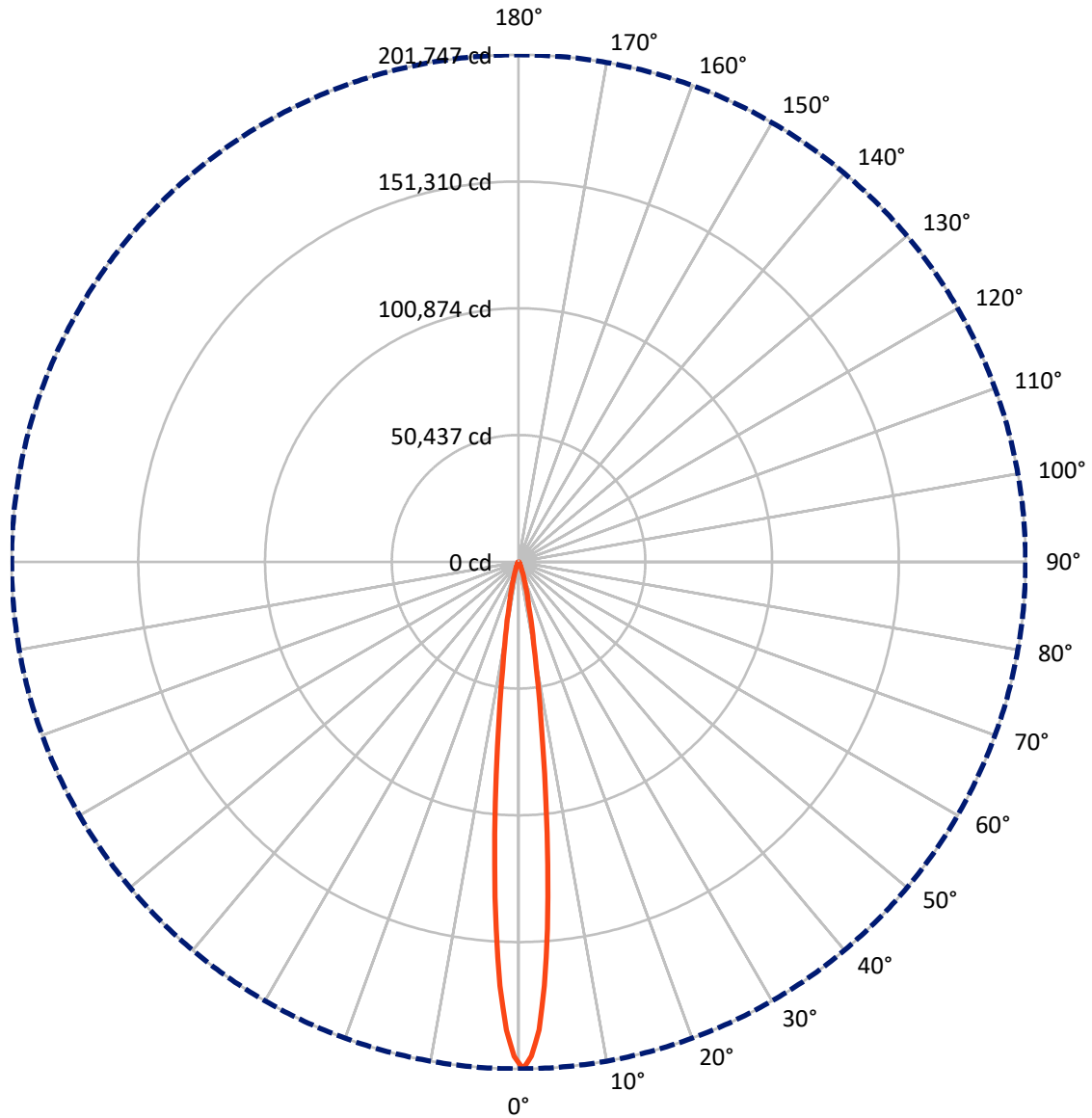
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 504.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7086.9	0.0	7086.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7086.9	0.0	7086.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	14173.9	0.0	14173.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8640.2	61.0
10°-20°	3870.8	27.3
20°-30°	864.4	6.1
30°-40°	282.2	2.0
40°-50°	194.6	1.4
50°-60°	147.0	1.0
60°-70°	100.6	0.7
70°-80°	53.0	0.4
80°-90°	21.1	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°	14173.9	100.0
0°-180°	14173.9	100.0

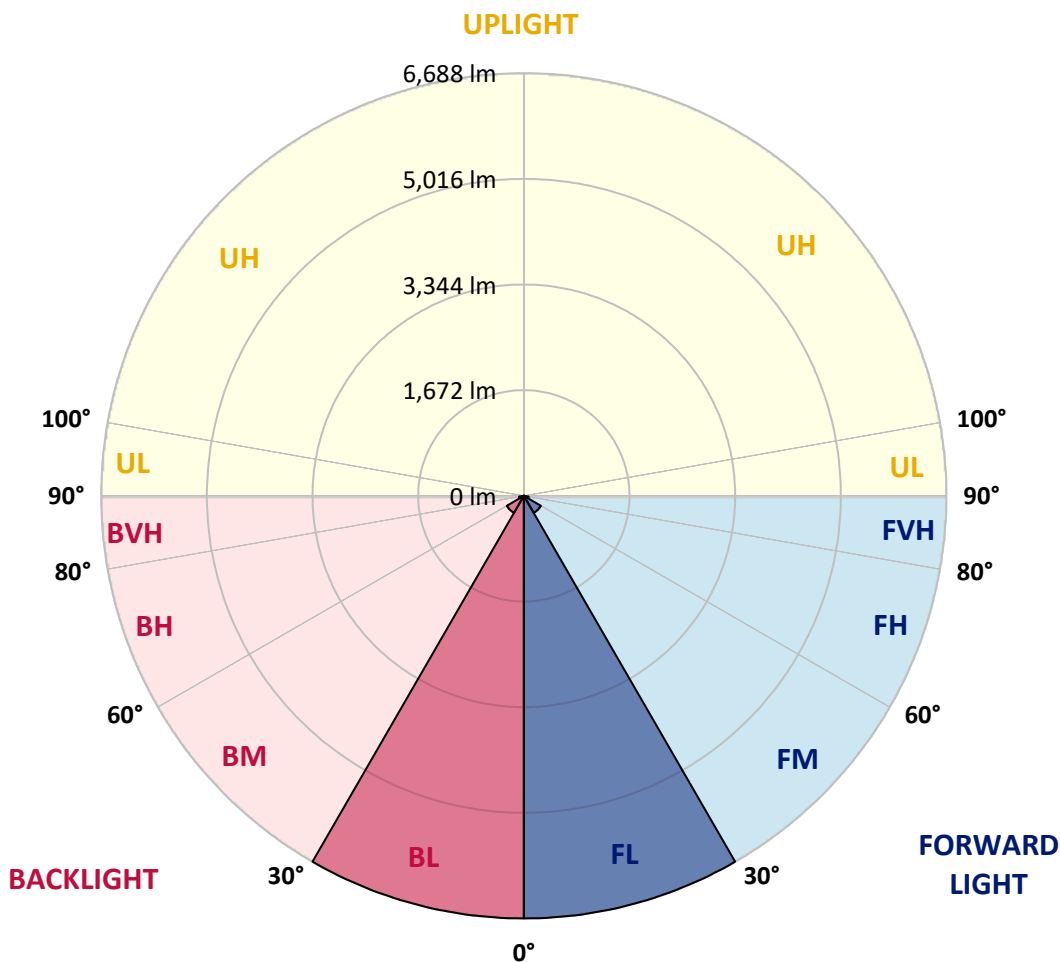


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6687.7	47.2			
FM (30°-60°)	311.9	2.2			
FH (60°-80°)	76.8	0.5			G0/660
FVH (80°-90°)	10.6	0.1			G1/100
BL (0°-30°)	6687.7	47.2	B5		
BM (30°-60°)	311.9	2.2	B1/1000		
BH (60°-80°)	76.8	0.5	B0/110		G0/660
BVH (80°-90°)	10.6	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°	201747.3	201747.3	201747.3	201747.3	201747.3	201747.3	201747.3	201747.3	201747.3	201747.3
1°	196738.4	197006.0	196708.1	198212.8	198833.9	199157.0	199194.9	200043.2	199389.3	199571.1
2°	186369.7	186965.5	185968.3	186932.7	188861.5	189591.1	188402.0	189871.4	189346.3	189651.7
3°	168947.1	169676.7	168298.2	169477.3	171959.0	172514.4	170565.4	172653.3	172600.2	173039.5
4°	146490.3	147674.4	145705.1	147101.3	148199.5	150133.4	148244.9	150620.6	150575.2	151337.6
5°	120998.9	122278.9	120567.2	122016.4	123056.5	123776.0	123084.3	125712.4	125879.1	126666.8
6°	96055.4	97249.5	95338.4	96721.9	98370.5	98665.9	98486.6	100748.7	101251.1	100637.6
7°	73924.3	74222.2	73921.8	75179.0	76502.0	76549.9	76782.2	78771.6	79213.4	79001.4
8°	56615.3	55252.0	56423.4	57089.9	57498.9	59377.3	59516.1	60518.4	61331.3	61389.4
9°	43095.8	41833.5	43189.2	43454.3	44393.5	46062.2	45852.7	46948.4	47458.4	47425.6
10°	32855.8	32214.5	32893.7	33186.5	33959.1	35372.9	35617.8	36120.2	36498.9	36746.3
12.5°	17829.1	17978.0	18371.9	18679.9	19720.0	20096.2	20247.7	20290.6	20288.1	20328.5
15°	11075.6	11196.8	11472.0	12030.0	12663.6	13130.7	13196.3	12954.0	12744.4	12711.6
17.5°	6907.4	6859.5	7505.8	8116.8	8879.2	9121.6	8869.1	8591.4	8306.1	8142.0
20°	4145.5	4178.3	4397.9	4670.6	5286.6	5705.7	5443.1	5160.4	4865.0	4670.6
22.5°	2355.5	2390.8	2486.8	2628.2	2863.0	3244.2	3077.5	2792.3	2582.7	2496.9
25°	1391.1	1391.1	1449.1	1512.3	1610.7	1699.1	1663.7	1512.3	1388.6	1353.2
27.5°	901.3	893.7	913.9	944.2	989.7	994.7	954.3	908.9	845.8	823.0
30°	658.9	661.5	658.9	671.6	669.0	651.4	626.1	628.6	603.4	600.9
32.5°	535.2	537.8	537.8	535.2	522.6	494.8	477.2	494.8	489.8	484.7
35°	444.3	446.9	472.1	469.6	449.4	419.1	406.5	426.7	441.8	419.1
37.5°	383.7	386.3	406.5	416.6	391.3	371.1	356.0	373.6	396.4	371.1
40°	338.3	340.8	345.9	348.4	335.8	325.7	318.1	323.2	333.3	320.6
42.5°	297.9	295.4	297.9	295.4	280.2	285.3	280.2	272.7	280.2	270.1
45°	260.0	260.0	260.0	252.5	237.3	247.4	242.4	234.8	237.3	229.7
47.5°	237.3	237.3	237.3	227.2	214.6	214.6	217.1	204.5	207.0	204.5
50°	214.6	214.6	219.6	209.5	199.4	191.9	194.4	184.3	186.8	184.3
52.5°	196.9	196.9	196.9	191.9	184.3	179.3	174.2	169.2	166.6	164.1
55°	189.3	189.3	186.8	171.7	169.2	164.1	154.0	151.5	146.4	143.9
57.5°	176.7	176.7	174.2	161.6	151.5	151.5	136.3	133.8	126.2	126.2
60°	156.5	156.5	154.0	151.5	138.9	131.3	121.2	116.1	108.6	106.0
62.5°	149.0	149.0	143.9	131.3	128.8	116.1	106.0	95.9	90.9	85.8
65°	138.9	136.3	133.8	121.2	111.1	103.5	90.9	78.3	73.2	63.1
67.5°	123.7	123.7	121.2	111.1	101.0	88.4	75.7	65.6	53.0	45.4
70°	108.6	106.0	106.0	95.9	88.4	78.3	60.6	50.5	37.9	30.3
72.5°	90.9	90.9	88.4	80.8	75.7	68.2	53.0	40.4	25.2	20.2
75°	73.2	73.2	70.7	65.6	63.1	55.5	45.4	35.3	20.2	10.1
77.5°	60.6	58.1	58.1	53.0	50.5	45.4	37.9	27.8	15.1	7.6
80°	45.4	45.4	48.0	45.4	40.4	37.9	32.8	25.2	12.6	5.0
82.5°	32.8	32.8	35.3	35.3	35.3	32.8	32.8	25.2	12.6	2.5
85°	22.7	22.7	27.8	25.2	25.2	27.8	40.4	32.8	10.1	2.5
87.5°	12.6	12.6	12.6	10.1	10.1	12.6	15.1	12.6	5.0	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
201747.3
198235.5
188561.1
171860.5
149999.6
125162.1
100700.7
78711.0
60657.2
48198.1
36892.7
20361.3
12610.6
8116.8
4713.5
2507.0
1348.2
823.0
598.3
474.6
414.0
368.6
315.6
270.1
229.7
204.5
184.3
164.1
141.4
126.2
101.0
83.3
60.6
45.4
30.3
17.7
10.1
5.0
2.5
2.5
2.5
2.5
0.0

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