

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: P636025

Luminaire Tested: **IFLD-S-SA6D-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636025
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27805.3 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

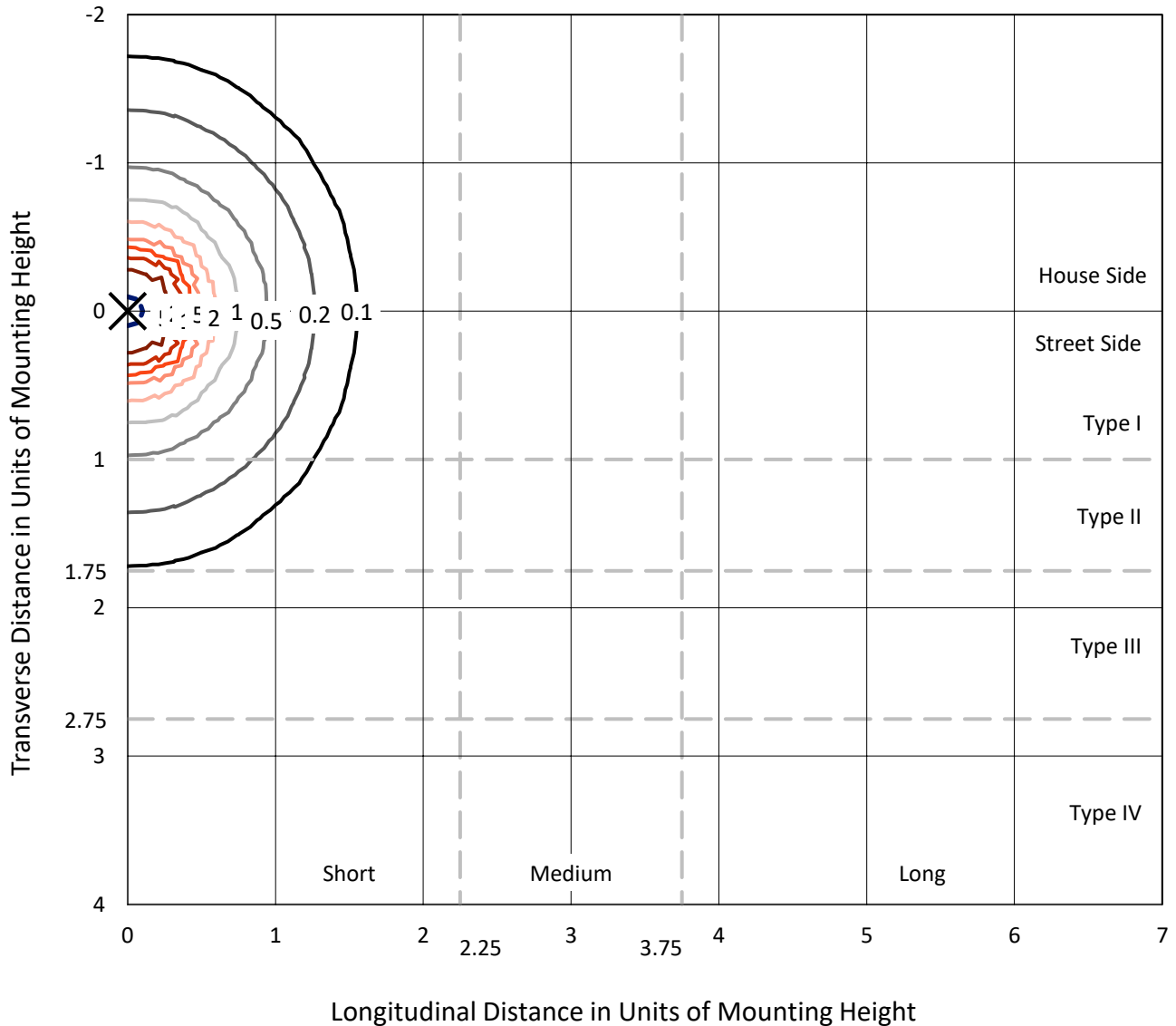
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

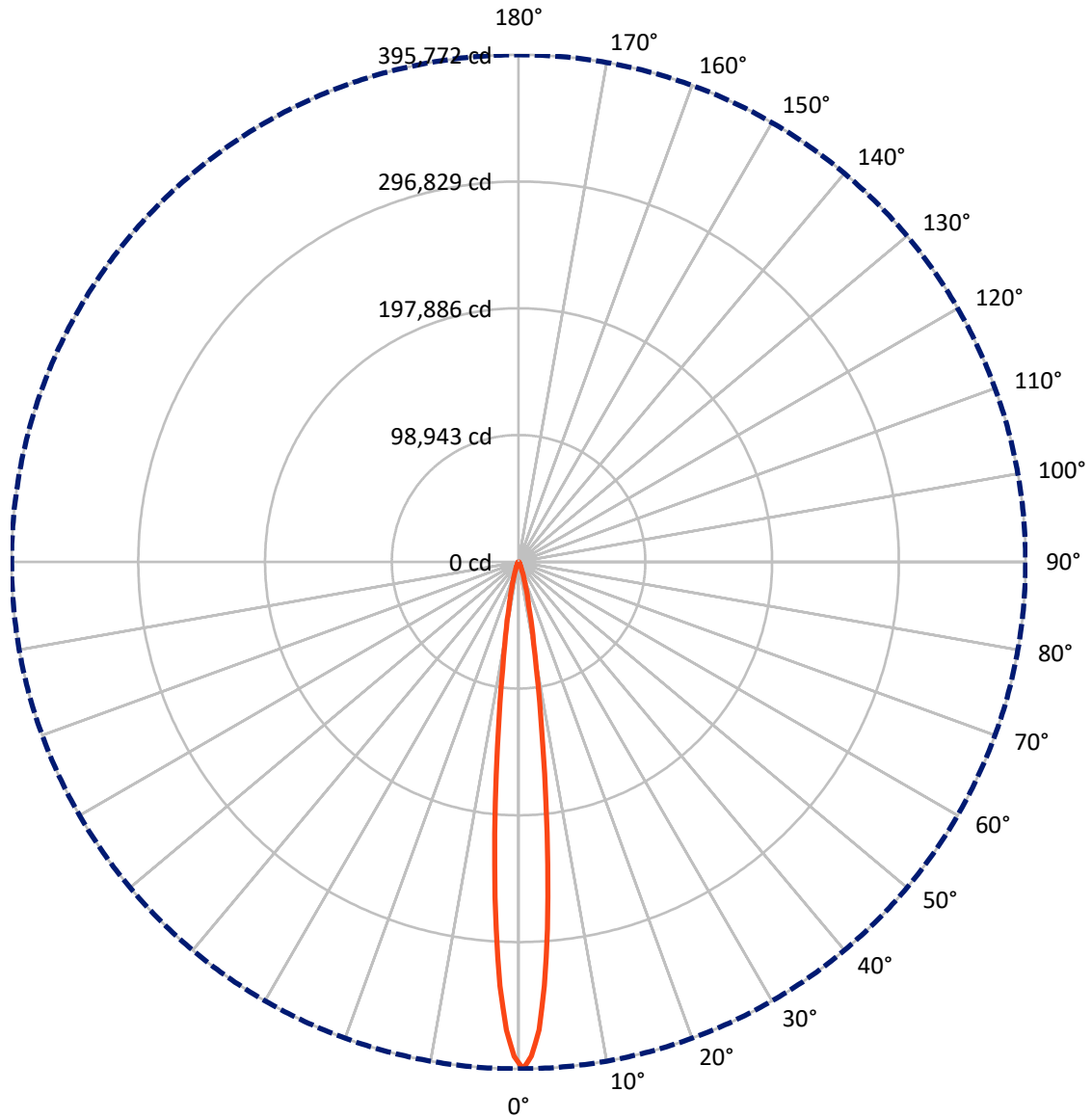
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 989.4 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	13902.6	0.0	13902.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13902.6	0.0	13902.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	27805.3	0.0	27805.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16949.6	61.0
10°-20°	7593.5	27.3
20°-30°	1695.8	6.1
30°-40°	553.5	2.0
40°-50°	381.7	1.4
50°-60°	288.4	1.0
60°-70°	197.4	0.7
70°-80°	103.9	0.4
80°-90°	41.5	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°	27805.3	100.0
0°-180°	27805.3	100.0

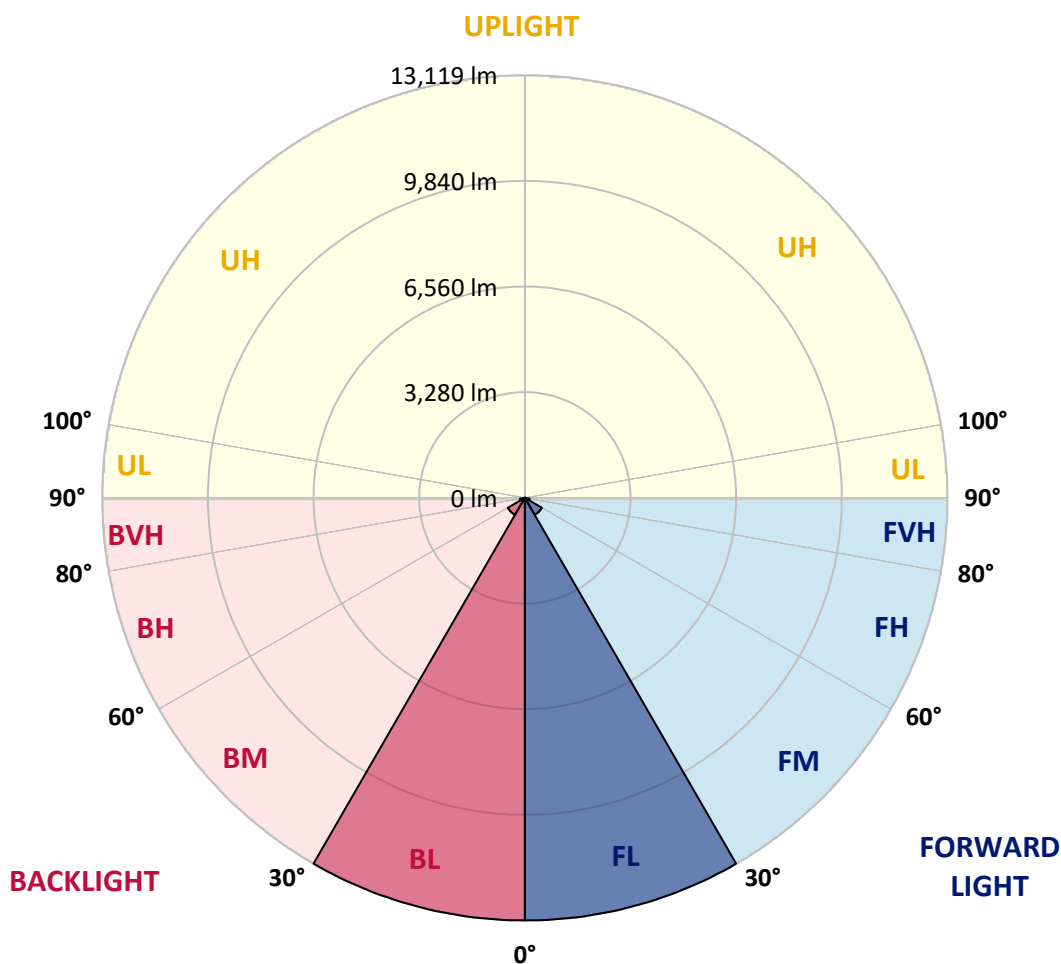


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13119.4	47.2			
FM (30°-60°)	611.8	2.2			
FH (60°-80°)	150.6	0.5			G0/660
FVH (80°-90°)	20.7	0.1			G1/100
BL (0°-30°)	13119.4	47.2	B5		
BM (30°-60°)	611.8	2.2	B1/1000		
BH (60°-80°)	150.6	0.5	B1/500		G0/660
BVH (80°-90°)	20.7	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°	395771.9	395771.9	395771.9	395771.9	395771.9	395771.9	395771.9	395771.9	395771.9	395771.9
1°	385945.8	386470.8	385886.4	388838.2	390056.5	390690.5	390764.7	392428.8	391146.1	391502.7
2°	365605.2	366774.1	364817.8	366709.7	370493.5	371924.8	369592.1	372474.6	371444.4	372043.7
3°	331426.9	332858.3	330154.1	332467.0	337335.5	338425.1	334601.6	338697.4	338593.4	339455.2
4°	287373.0	289695.8	285832.8	288571.6	290726.0	294519.7	290815.1	295475.6	295386.4	296882.2
5°	237366.1	239877.1	236519.2	239362.0	241402.5	242814.0	241457.0	246612.7	246939.5	248484.8
6°	188433.8	190776.4	187027.2	189741.3	192975.4	193554.8	193203.2	197640.8	198626.4	197422.9
7°	145018.8	145603.2	145013.8	147480.3	150075.5	150169.6	150625.2	154527.9	155394.6	154978.6
8°	111063.4	108388.9	110687.0	111994.5	112796.8	116481.6	116754.0	118720.2	120314.9	120428.8
9°	84541.9	82065.5	84725.1	85245.2	87087.5	90361.3	89950.2	92099.6	93100.1	93035.7
10°	64453.9	63195.9	64528.2	65102.7	66618.2	69391.7	69872.1	70857.7	71600.6	72085.9
12.5°	34975.7	35267.9	36040.5	36644.7	38685.2	39423.2	39720.3	39804.5	39799.6	39878.8
15°	21727.3	21965.0	22504.9	23599.4	24842.5	25758.8	25887.5	25412.1	25001.0	24936.6
17.5°	13550.5	13456.4	14724.3	15922.8	17418.5	17894.0	17398.7	16853.9	16294.2	15972.3
20°	8132.3	8196.6	8627.5	9162.4	10370.9	11193.0	10677.9	10123.2	9543.8	9162.4
22.5°	4620.8	4690.2	4878.4	5155.7	5616.3	6364.2	6037.3	5477.6	5066.6	4898.2
25°	2728.9	2728.9	2842.8	2966.6	3159.8	3333.1	3263.8	2966.6	2724.0	2654.6
27.5°	1768.1	1753.2	1792.9	1852.3	1941.4	1951.3	1872.1	1783.0	1659.1	1614.6
30°	1292.6	1297.6	1292.6	1317.4	1312.5	1277.8	1228.3	1233.2	1183.7	1178.7
32.5°	1050.0	1054.9	1054.9	1050.0	1025.2	970.7	936.1	970.7	960.8	950.9
35°	871.7	876.6	926.1	921.2	881.6	822.1	797.4	837.0	866.7	822.1
37.5°	752.8	757.8	797.4	817.2	767.7	728.0	698.3	733.0	777.6	728.0
40°	663.7	668.6	678.5	683.5	658.7	638.9	624.0	633.9	653.8	629.0
42.5°	584.4	579.5	584.4	579.5	549.7	559.7	549.7	534.9	549.7	529.9
45°	510.1	510.1	510.1	495.3	465.5	485.4	475.5	460.6	465.5	450.7
47.5°	465.5	465.5	465.5	445.7	421.0	421.0	425.9	401.2	406.1	401.2
50°	421.0	421.0	430.9	411.1	391.3	376.4	381.4	361.5	366.5	361.5
52.5°	386.3	386.3	386.3	376.4	361.5	351.6	341.7	331.8	326.9	321.9
55°	371.4	371.4	366.5	336.8	331.8	321.9	302.1	297.2	287.3	282.3
57.5°	346.7	346.7	341.7	317.0	297.2	297.2	267.4	262.5	247.6	247.6
60°	307.1	307.1	302.1	297.2	272.4	257.5	237.7	227.8	213.0	208.0
62.5°	292.2	292.2	282.3	257.5	252.6	227.8	208.0	188.2	178.3	168.4
65°	272.4	267.4	262.5	237.7	217.9	203.1	178.3	153.5	143.6	123.8
67.5°	242.7	242.7	237.7	217.9	198.1	173.3	148.6	128.8	104.0	89.1
70°	213.0	208.0	208.0	188.2	173.3	153.5	118.9	99.1	74.3	59.4
72.5°	178.3	178.3	173.3	158.5	148.6	133.7	104.0	79.2	49.5	39.6
75°	143.6	143.6	138.7	128.8	123.8	109.0	89.1	69.3	39.6	19.8
77.5°	118.9	113.9	113.9	104.0	99.1	89.1	74.3	54.5	29.7	14.9
80°	89.1	89.1	94.1	89.1	79.2	74.3	64.4	49.5	24.8	9.9
82.5°	64.4	64.4	69.3	69.3	69.3	64.4	64.4	49.5	24.8	5.0
85°	44.6	44.6	54.5	49.5	49.5	54.5	79.2	64.4	19.8	5.0
87.5°	24.8	24.8	24.8	19.8	19.8	24.8	29.7	24.8	9.9	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
395771.9
388882.7
369904.1
337142.3
294257.2
245533.0
197546.7
154409.0
118992.6
94551.2
72373.2
39943.2
24738.5
15922.8
9246.6
4918.0
2644.7
1614.6
1173.8
931.1
812.2
723.1
619.1
529.9
450.7
401.2
361.5
321.9
277.3
247.6
198.1
163.4
118.9
89.1
59.4
34.7
19.8
9.9
5.0
5.0
5.0
5.0
0.0

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