

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: P636315

Luminaire Tested: **IFLD-S-SA6D-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636315
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-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27357 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

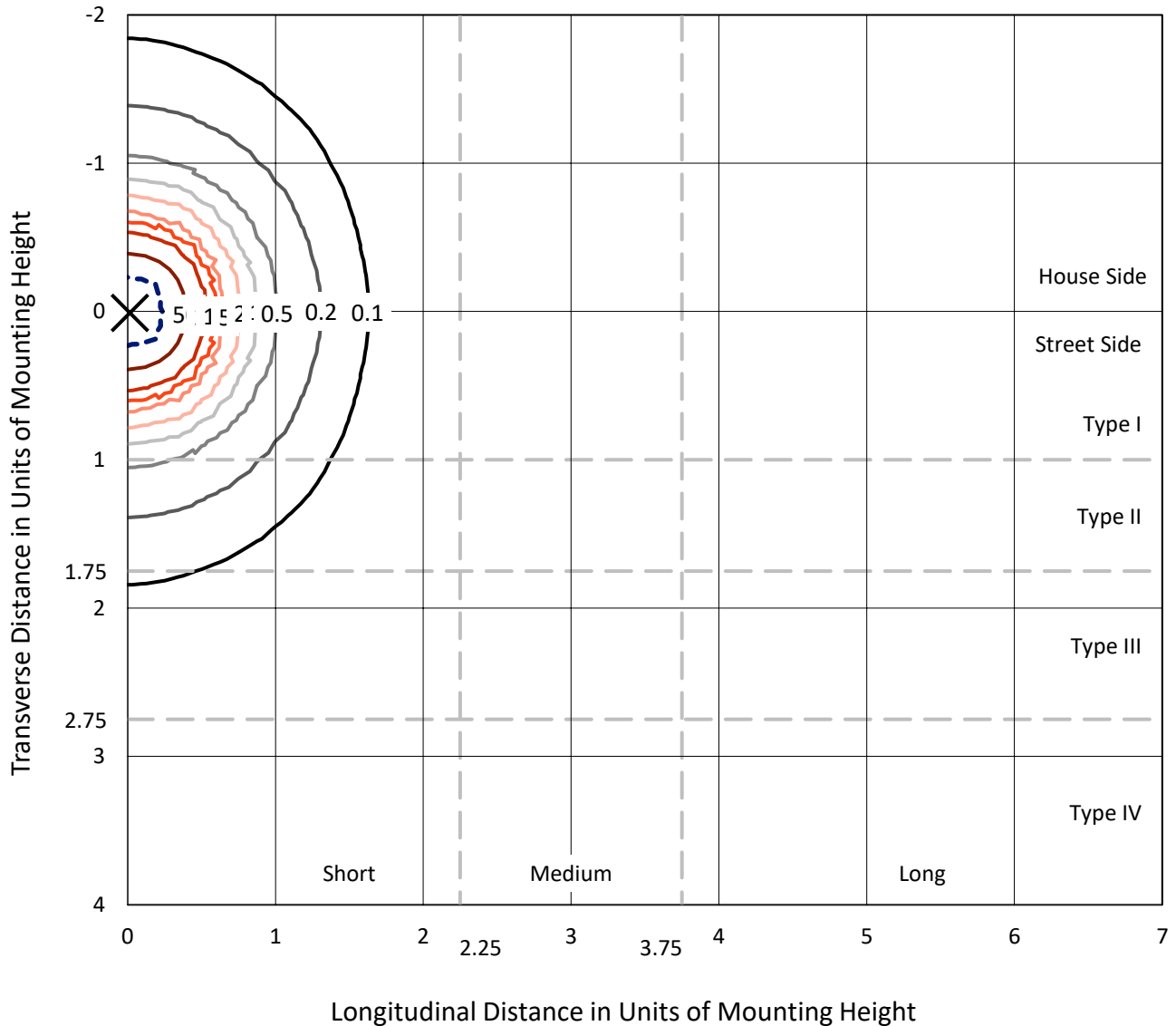
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

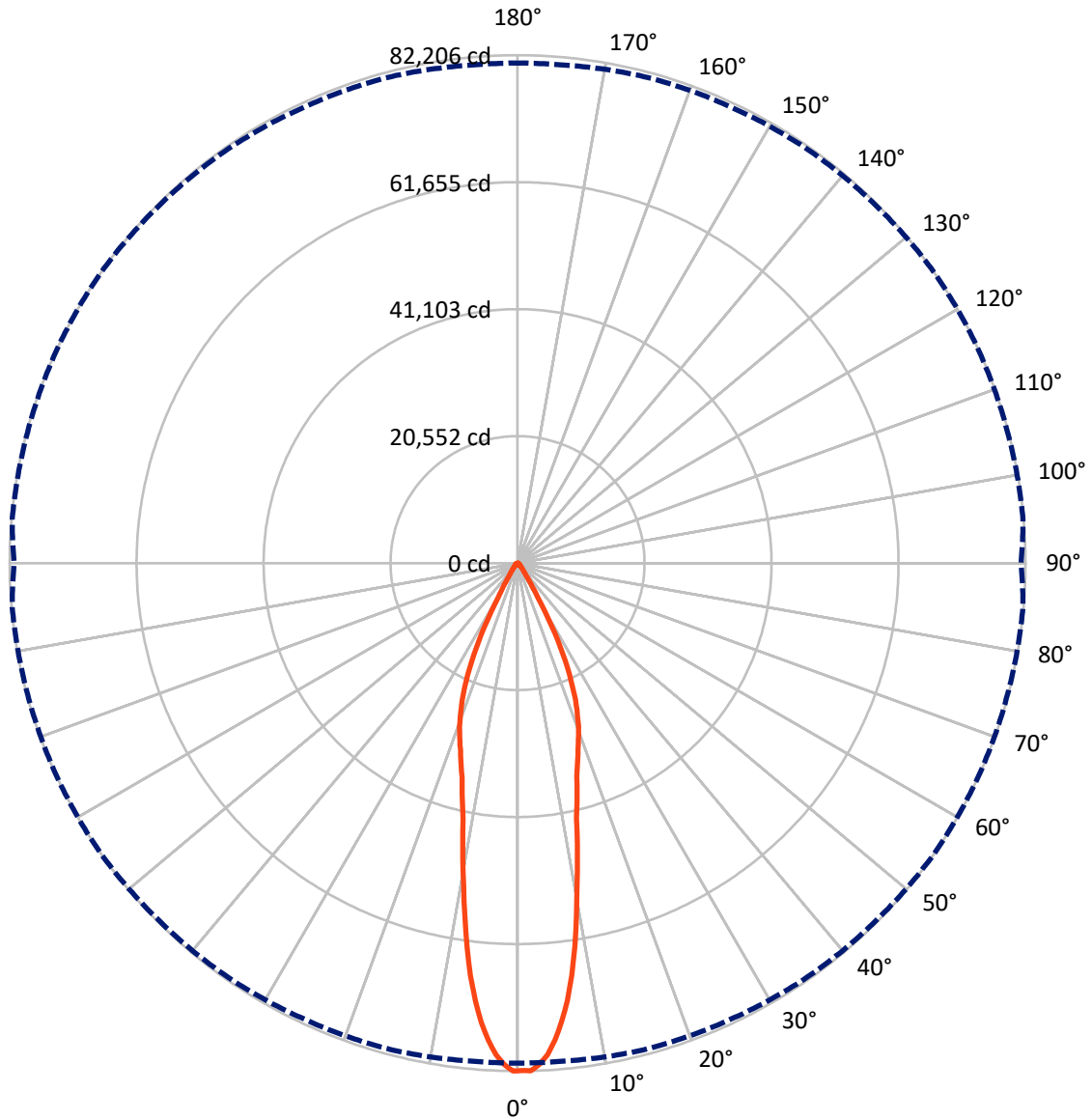
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 205.3 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	13678.5	0.0	13678.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13678.5	0.0	13678.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27357.0	0.0	27357.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6247.6	22.8
10°-20°	10203.9	37.3
20°-30°	7973.7	29.1
30°-40°	1738.0	6.4
40°-50°	514.6	1.9
50°-60°	321.8	1.2
60°-70°	225.1	0.8
70°-80°	96.6	0.4
80°-90°	35.7	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°	27357.0	100.0
0°-180°	27357.0	100.0



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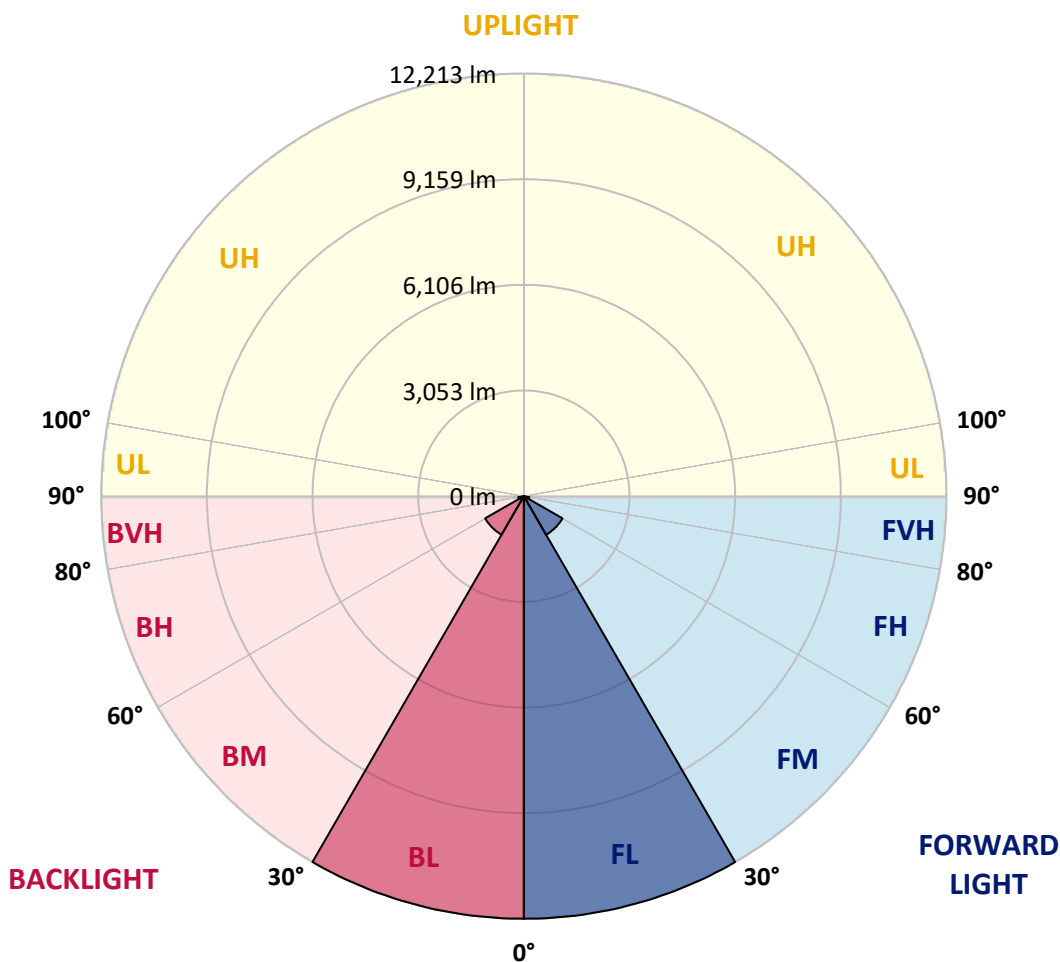
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12212.6	44.6			
FM (30°-60°)	1287.2	4.7			
FH (60°-80°)	160.8	0.6			G0/660
FVH (80°-90°)	17.8	0.1			G1/100
BL (0°-30°)	12212.6	44.6	B5		
BM (30°-60°)	1287.2	4.7	B2/2500		
BH (60°-80°)	160.8	0.6	B1/500		G0/660
BVH (80°-90°)	17.8	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°	82112.3	82112.3	82112.3	82112.3	82112.3	82112.3	82112.3	82112.3	82112.3	82112.3
1°	80923.7	80933.6	81374.4	81473.4	81775.5	81929.1	82206.4	82176.7	82092.5	82102.4
2°	79433.0	79368.6	79779.7	80235.3	80596.8	80894.0	81225.8	81295.1	81215.9	81290.2
3°	76981.5	76887.4	77461.9	78031.4	78660.4	79170.5	79670.7	79690.5	79596.4	79591.5
4°	73757.4	73584.1	74267.5	75282.8	76075.2	76753.7	77377.7	77367.8	77239.0	77343.0
5°	69859.8	69641.9	70528.4	71865.6	73039.3	73856.5	74544.9	74381.5	74084.3	74099.2
6°	65075.7	65288.7	66373.3	68250.3	69637.0	70315.5	71162.3	70855.3	70340.2	70285.7
7°	60578.9	61059.3	61925.9	64189.2	65838.4	66551.6	67269.7	66650.6	65952.3	65838.4
8°	55844.3	56646.6	57845.1	59930.1	61688.2	62406.3	62678.7	62015.1	61267.3	61237.5
9°	52006.1	52555.8	53585.9	55423.3	57211.2	57691.6	57751.0	57171.6	56423.7	56473.2
10°	48514.6	48618.6	49510.0	51089.9	52521.2	52862.9	52848.0	52427.1	51813.0	51976.4
12.5°	40699.6	40981.9	41239.4	41744.5	42224.9	42447.8	42363.6	42190.3	41853.5	41868.4
15°	35395.4	35390.5	35420.2	35653.0	35796.6	35821.4	35821.4	35603.5	35459.8	35672.8
17.5°	30715.3	30972.9	31433.5	31621.7	31809.8	31740.5	31611.7	31512.7	31418.6	31601.8
20°	27075.3	27189.2	27194.1	27317.9	28268.8	28318.3	28154.9	27872.6	27634.9	27590.3
22.5°	22979.6	23152.9	23227.2	23336.1	23435.2	24158.2	23965.1	23509.5	23227.2	23143.0
25°	17249.5	17190.1	17675.4	18566.9	18710.5	18799.7	18750.1	18512.4	18329.2	18363.8
27.5°	11920.6	12024.6	12004.8	12014.7	12960.7	12955.7	12940.9	12732.9	12678.4	12599.1
30°	6666.1	6616.5	6641.3	6576.9	6443.2	6606.6	6344.1	6567.0	6349.1	6418.4
32.5°	3942.2	3907.5	3872.8	3887.7	3788.7	3546.0	3442.0	3595.5	3546.0	3526.2
35°	2515.9	2530.7	2575.3	2570.3	2481.2	2342.5	2194.0	2332.6	2312.8	2253.4
37.5°	1604.6	1604.6	1619.5	1748.2	1673.9	1555.1	1451.1	1510.5	1505.6	1495.7
40°	1139.1	1139.1	1158.9	1193.6	1153.9	1094.5	1035.1	1035.1	1045.0	1015.3
42.5°	846.9	846.9	866.7	886.5	837.0	817.2	787.4	767.6	792.4	767.6
45°	663.6	658.7	663.6	653.7	624.0	624.0	599.3	569.5	599.3	584.4
47.5°	544.8	539.8	534.9	515.1	485.3	490.3	480.4	455.6	470.5	465.5
50°	475.4	465.5	470.5	450.7	425.9	421.0	421.0	396.2	401.2	401.2
52.5°	416.0	416.0	411.1	401.2	391.2	371.4	376.4	351.6	351.6	351.6
55°	391.2	391.2	381.3	361.5	366.5	351.6	336.8	321.9	317.0	317.0
57.5°	386.3	386.3	381.3	361.5	346.7	341.7	321.9	302.1	287.2	292.2
60°	376.4	376.4	366.5	361.5	336.8	326.9	297.1	282.3	262.5	262.5
62.5°	361.5	356.6	336.8	307.1	307.1	282.3	262.5	232.8	217.9	213.0
65°	307.1	302.1	287.2	262.5	247.6	232.8	203.1	173.3	163.4	148.6
67.5°	252.6	252.6	242.7	217.9	208.0	188.2	153.5	133.7	109.0	99.0
70°	208.0	208.0	198.1	183.2	173.3	148.6	118.9	99.0	74.3	64.4
72.5°	168.4	168.4	158.5	148.6	138.7	123.8	99.0	74.3	49.5	39.6
75°	133.7	133.7	128.8	118.9	109.0	99.0	79.2	59.4	34.7	19.8
77.5°	109.0	109.0	104.0	99.0	89.1	79.2	64.4	49.5	24.8	9.9
80°	84.2	84.2	84.2	84.2	74.3	64.4	54.5	39.6	19.8	5.0
82.5°	59.4	59.4	64.4	74.3	59.4	49.5	49.5	39.6	14.9	5.0
85°	39.6	44.6	49.5	44.6	39.6	39.6	69.3	64.4	14.9	5.0
87.5°	19.8	19.8	19.8	19.8	19.8	14.9	19.8	14.9	9.9	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°
82112.3
81493.2
80705.8
79160.6
76852.7
73376.1
69562.7
65298.6
60153.0
55735.3
51401.9
41378.1
35177.5
31180.9
27303.1
22840.9
18245.0
12311.9
6502.6
3476.6
2189.0
1475.8
1005.4
762.7
584.4
465.5
406.1
351.6
312.0
292.2
247.6
203.1
143.6
94.1
59.4
34.7
14.9
9.9
5.0
5.0
5.0
0.0
0.0

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