

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: P636303

Luminaire Tested: **IFLD-S-SA2B-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636303
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-930-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6831.6 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

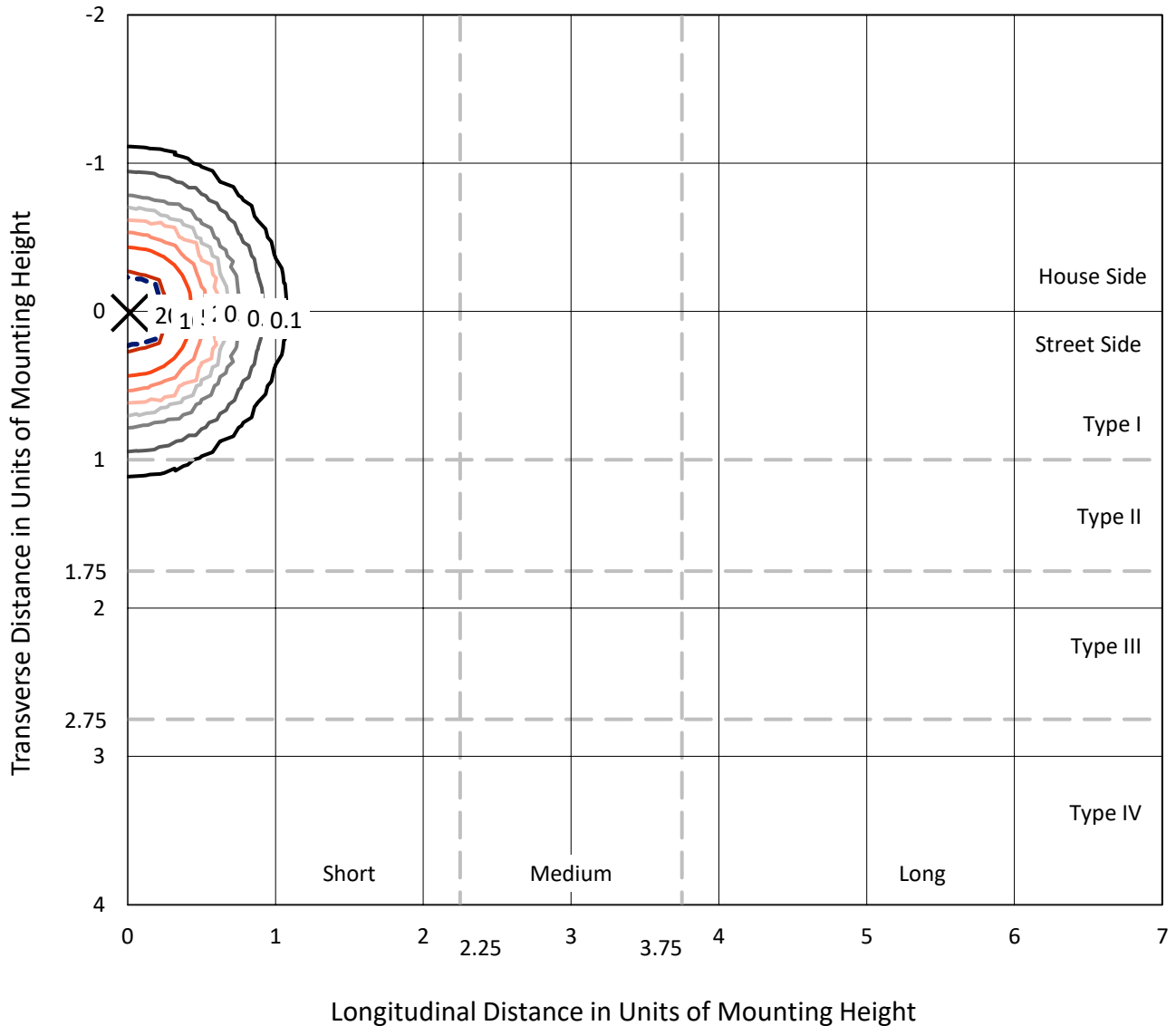
Input Watts (W): 82.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

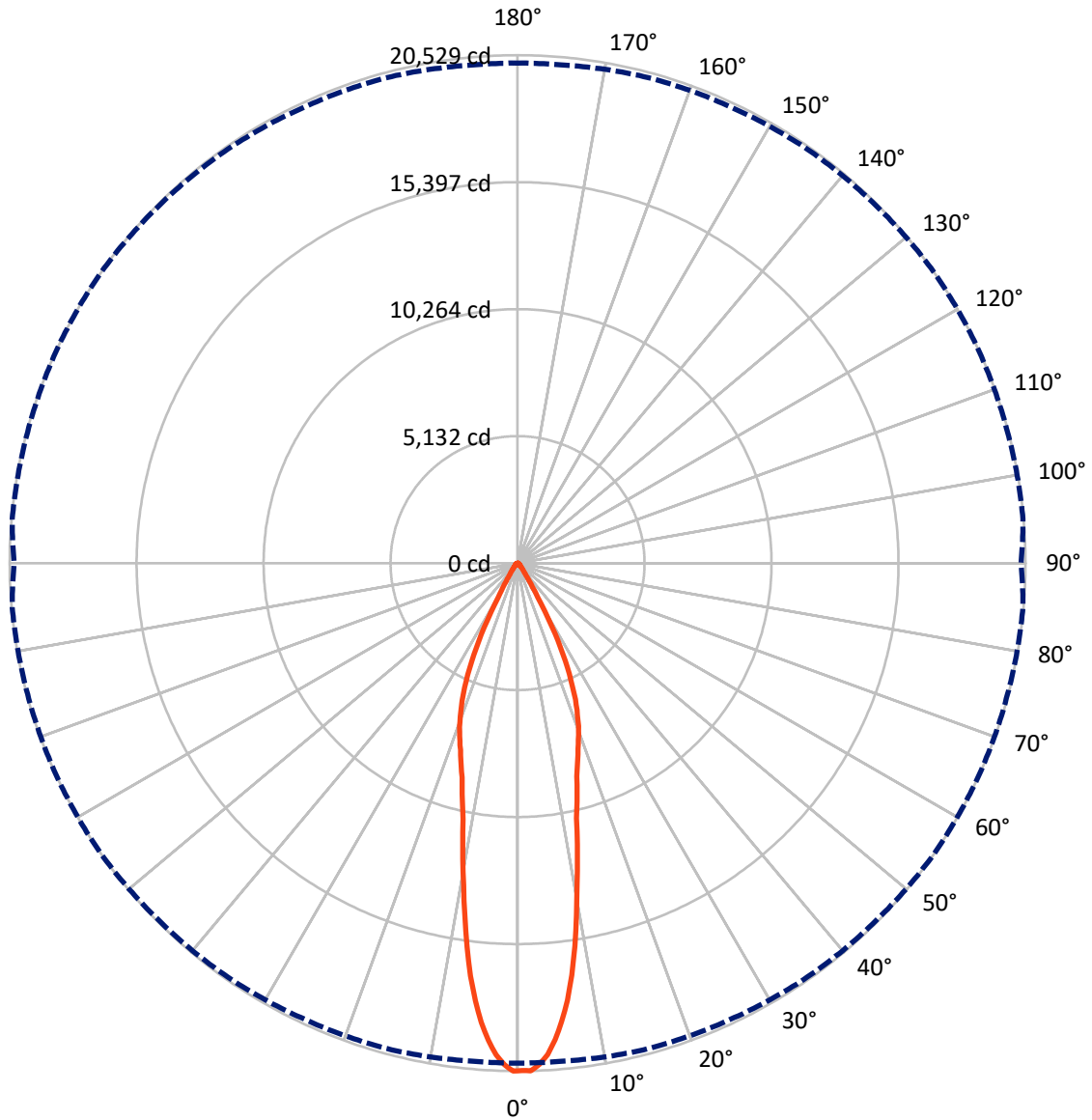
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 51.3 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	3415.8	0.0	3415.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3415.8	0.0	3415.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6831.6	0.0	6831.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1560.2	22.8
10°-20°	2548.1	37.3
20°-30°	1991.2	29.1
30°-40°	434.0	6.4
40°-50°	128.5	1.9
50°-60°	80.4	1.2
60°-70°	56.2	0.8
70°-80°	24.1	0.4
80°-90°	8.9	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°	6831.6	100.0
0°-180°	6831.6	100.0

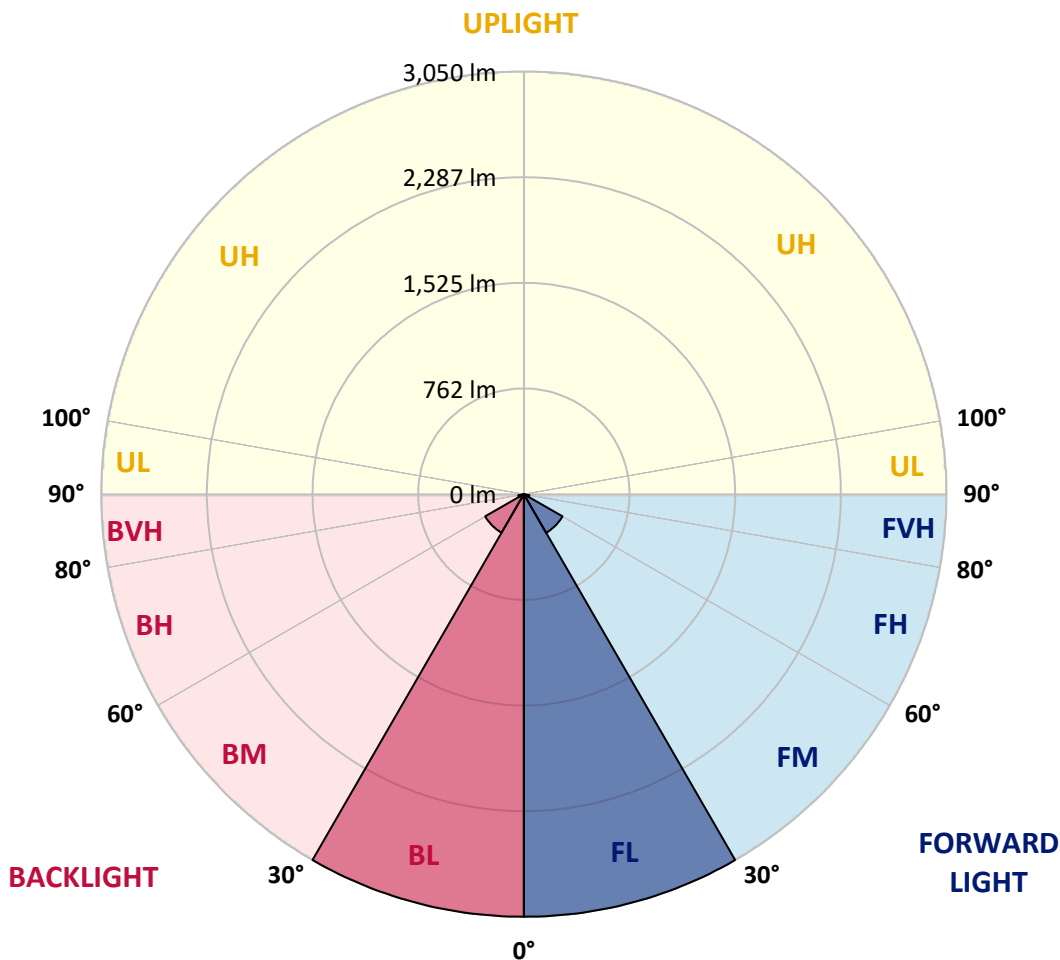


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3049.8	44.6			
FM (30°-60°)	321.5	4.7			
FH (60°-80°)	40.2	0.6			G0/660
FVH (80°-90°)	4.5	0.1			G0/10
BL (0°-30°)	3049.8	44.6	B4/5000		
BM (30°-60°)	321.5	4.7	B1/1000		
BH (60°-80°)	40.2	0.6	B0/110		G0/660
BVH (80°-90°)	4.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	20505.3	20505.3	20505.3	20505.3	20505.3	20505.3	20505.3	20505.3	20505.3	20505.3
1°	20208.5	20210.9	20321.0	20345.7	20421.2	20459.5	20528.8	20521.4	20500.3	20502.8
2°	19836.2	19820.1	19922.8	20036.6	20126.8	20201.0	20283.9	20301.2	20281.4	20300.0
3°	19224.0	19200.5	19344.0	19486.2	19643.3	19770.7	19895.6	19900.5	19877.0	19875.8
4°	18418.9	18375.6	18546.3	18799.8	18997.7	19167.1	19323.0	19320.5	19288.3	19314.3
5°	17445.6	17391.2	17612.5	17946.5	18239.6	18443.6	18615.5	18574.7	18500.5	18504.2
6°	16250.9	16304.1	16574.9	17043.6	17389.9	17559.3	17770.8	17694.2	17565.5	17551.9
7°	15127.9	15247.9	15464.3	16029.5	16441.3	16619.4	16798.7	16644.2	16469.8	16441.3
8°	13945.6	14145.9	14445.2	14965.9	15404.9	15584.3	15652.3	15486.6	15299.8	15292.4
9°	12987.1	13124.4	13381.6	13840.4	14286.9	14406.9	14421.7	14277.0	14090.3	14102.6
10°	12115.2	12141.2	12363.8	12758.3	13115.7	13201.0	13197.3	13092.2	12938.9	12979.7
12.5°	10163.6	10234.1	10298.4	10424.5	10544.5	10600.2	10579.1	10535.9	10451.8	10455.5
15°	8839.0	8837.8	8845.2	8903.3	8939.2	8945.4	8945.4	8891.0	8855.1	8908.3
17.5°	7670.3	7734.6	7849.6	7896.6	7943.6	7926.3	7894.2	7869.4	7845.9	7891.7
20°	6761.3	6789.7	6791.0	6821.9	7059.4	7071.7	7030.9	6960.4	6901.1	6889.9
22.5°	5738.5	5781.8	5800.3	5827.6	5852.3	6032.9	5984.6	5870.8	5800.3	5779.3
25°	4307.6	4292.8	4414.0	4636.6	4672.4	4694.7	4682.3	4623.0	4577.2	4585.9
27.5°	2976.9	3002.8	2997.9	3000.4	3236.6	3235.3	3231.6	3179.7	3166.1	3146.3
30°	1664.7	1652.3	1658.5	1642.4	1609.0	1649.8	1584.3	1639.9	1585.5	1602.8
32.5°	984.5	975.8	967.1	970.8	946.1	885.5	859.5	897.9	885.5	880.6
35°	628.3	632.0	643.1	641.9	619.6	585.0	547.9	582.5	577.6	562.7
37.5°	400.7	400.7	404.4	436.6	418.0	388.3	362.4	377.2	376.0	373.5
40°	284.5	284.5	289.4	298.1	288.2	273.3	258.5	258.5	261.0	253.5
42.5°	211.5	211.5	216.4	221.4	209.0	204.1	196.6	191.7	197.9	191.7
45°	165.7	164.5	165.7	163.3	155.8	155.8	149.6	142.2	149.6	145.9
47.5°	136.0	134.8	133.6	128.6	121.2	122.4	120.0	113.8	117.5	116.3
50°	118.7	116.3	117.5	112.5	106.4	105.1	105.1	98.9	100.2	100.2
52.5°	103.9	103.9	102.7	100.2	97.7	92.8	94.0	87.8	87.8	87.8
55°	97.7	97.7	95.2	90.3	91.5	87.8	84.1	80.4	79.2	79.2
57.5°	96.5	96.5	95.2	90.3	86.6	85.3	80.4	75.4	71.7	73.0
60°	94.0	94.0	91.5	90.3	84.1	81.6	74.2	70.5	65.5	65.5
62.5°	90.3	89.0	84.1	76.7	76.7	70.5	65.5	58.1	54.4	53.2
65°	76.7	75.4	71.7	65.5	61.8	58.1	50.7	43.3	40.8	37.1
67.5°	63.1	63.1	60.6	54.4	51.9	47.0	38.3	33.4	27.2	24.7
70°	51.9	51.9	49.5	45.8	43.3	37.1	29.7	24.7	18.6	16.1
72.5°	42.0	42.0	39.6	37.1	34.6	30.9	24.7	18.6	12.4	9.9
75°	33.4	33.4	32.2	29.7	27.2	24.7	19.8	14.8	8.7	4.9
77.5°	27.2	27.2	26.0	24.7	22.3	19.8	16.1	12.4	6.2	2.5
80°	21.0	21.0	21.0	21.0	18.6	16.1	13.6	9.9	4.9	1.2
82.5°	14.8	14.8	16.1	18.6	14.8	12.4	12.4	9.9	3.7	1.2
85°	9.9	11.1	12.4	11.1	9.9	9.9	17.3	16.1	3.7	1.2
87.5°	4.9	4.9	4.9	4.9	4.9	3.7	4.9	3.7	2.5	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°
20505.3
20350.7
20154.0
19768.2
19191.9
18323.7
17371.4
16306.5
15021.5
13918.4
12836.2
10333.0
8784.6
7786.6
6818.2
5703.9
4556.2
3074.6
1623.9
868.2
546.6
368.6
251.1
190.5
145.9
116.3
101.4
87.8
77.9
73.0
61.8
50.7
35.9
23.5
14.8
8.7
3.7
2.5
1.2
1.2
1.2
0.0
0.0

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