

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: P636183

Luminaire Tested: **IFLD-L-SA8B-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636183
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24926.4 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

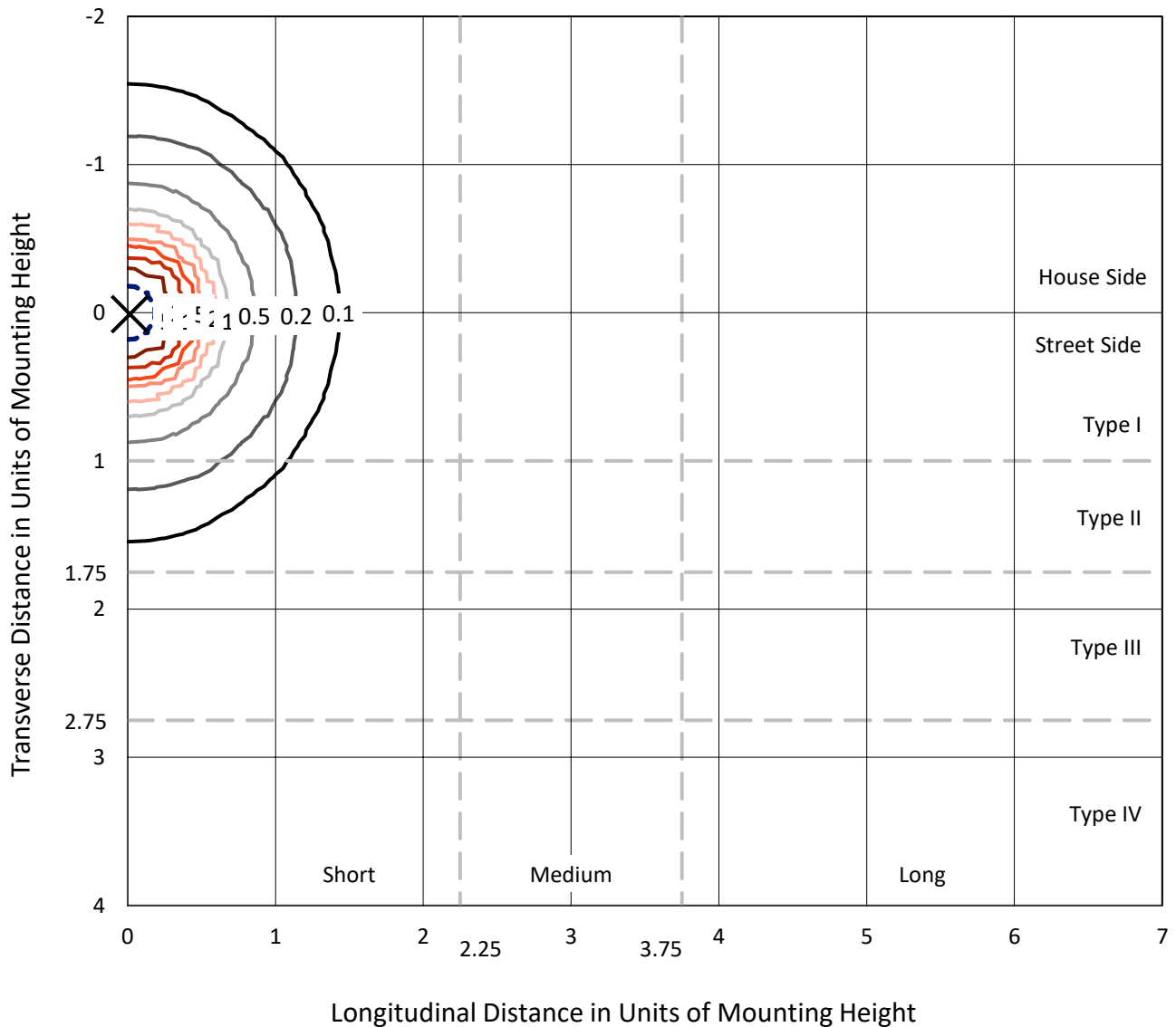
Input Watts (W): 320
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

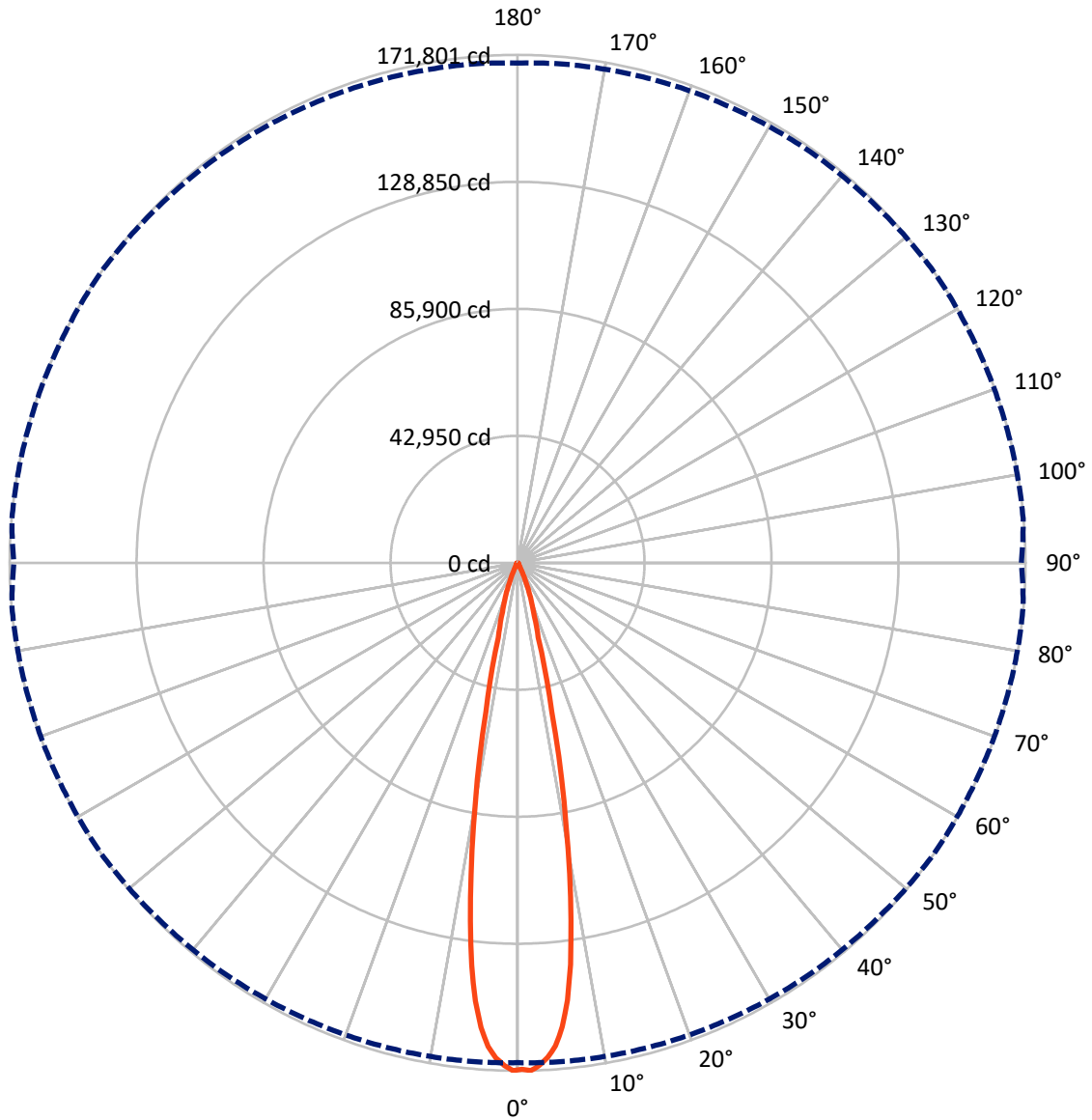
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 428.4 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	12463.2	0.0	12463.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12463.2	0.0	12463.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	24926.4	0.0	24926.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12664.5	50.8
10°-20°	8975.4	36.0
20°-30°	2103.1	8.4
30°-40°	439.6	1.8
40°-50°	283.6	1.1
50°-60°	210.0	0.8
60°-70°	142.8	0.6
70°-80°	76.2	0.3
80°-90°	31.2	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°	24926.4	100.0
0°-180°	24926.4	100.0

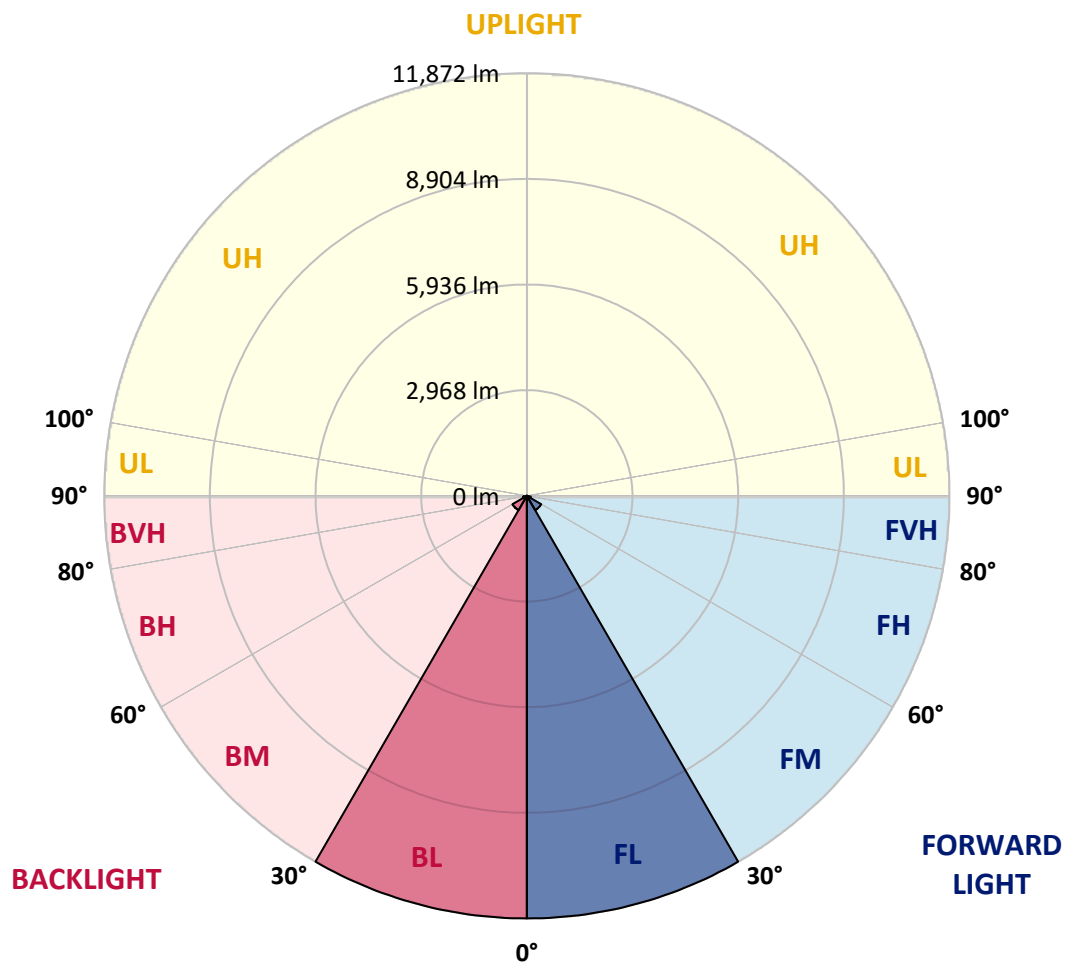


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11871.5	47.6			
FM (30°-60°)	466.6	1.9			
FH (60°-80°)	109.5	0.4			G0/660
FVH (80°-90°)	15.6	0.1			G1/100
BL (0°-30°)	11871.5	47.6	B5		
BM (30°-60°)	466.6	1.9	B1/1000		
BH (60°-80°)	109.5	0.4	B0/110		G0/660
BVH (80°-90°)	15.6	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°	171359.8	171359.8	171359.8	171359.8	171359.8	171359.8	171359.8	171359.8	171359.8	171359.8
1°	169054.3	169367.3	169750.8	170099.0	170623.6	171051.2	171800.6	171641.9	171619.8	171650.7
2°	165779.0	166171.3	166762.0	167110.3	168463.6	169019.0	170151.9	170486.9	170218.0	170522.2
3°	160872.7	161194.5	162120.2	162803.5	164557.9	166056.7	167573.1	168075.7	167762.7	167903.7
4°	155031.8	155362.4	156482.1	157875.1	160409.8	162071.7	163887.9	164337.5	163314.8	163385.3
5°	148080.1	148234.4	149605.3	150874.9	153907.7	155922.3	157645.9	157786.9	156852.4	156495.3
6°	140259.9	139982.2	141243.0	141780.8	145549.8	147604.0	148864.7	148701.6	147991.9	147687.8
7°	130967.5	130588.4	131606.7	131315.7	134652.7	135825.3	137037.6	136482.1	135917.9	136618.8
8°	120215.9	120004.3	119347.5	120537.7	121198.9	122248.1	122243.7	121921.9	121904.2	123072.4
9°	104584.4	106537.3	105959.8	107207.3	107039.8	106991.3	106669.5	106462.3	105580.7	106925.2
10°	87418.9	88697.3	89671.5	91531.8	91170.3	91681.6	89891.9	90196.1	89609.8	90720.7
12.5°	45250.1	46687.2	47529.2	48948.6	50509.1	52104.9	51589.1	51055.7	50257.8	51236.4
15°	22274.6	22843.3	23112.2	24553.6	25664.5	26065.7	26127.4	25655.7	25452.9	25664.5
17.5°	13669.8	13868.2	14648.4	16305.9	17266.9	17504.9	17350.7	16834.9	16257.4	16015.0
20°	9896.4	9953.7	10249.1	10570.9	11853.6	12523.7	12276.8	11769.9	11236.5	10985.2
22.5°	6462.4	6519.7	6616.7	6793.0	7136.9	7965.6	7696.7	7352.9	6991.4	6916.5
25°	3658.8	3658.8	3760.2	3940.9	4196.6	4258.3	4311.2	3945.3	3777.8	3702.9
27.5°	2041.0	2054.2	2076.3	2146.8	2274.6	2261.4	2204.1	2107.1	1992.5	1873.5
30°	1128.5	1141.7	1154.9	1172.6	1194.6	1154.9	1119.7	1102.0	1053.6	1040.3
32.5°	846.4	846.4	855.2	850.8	828.7	780.3	758.2	784.7	780.3	758.2
35°	696.5	696.5	705.3	722.9	678.9	643.6	626.0	661.2	661.2	648.0
37.5°	568.7	573.1	577.5	599.5	586.3	546.6	542.2	551.0	555.4	551.0
40°	498.1	493.7	493.7	498.1	489.3	480.5	471.7	467.3	471.7	467.3
42.5°	432.0	427.6	436.4	427.6	410.0	414.4	414.4	401.1	405.6	396.7
45°	379.1	374.7	379.1	370.3	357.1	361.5	361.5	343.8	343.8	339.4
47.5°	335.0	335.0	335.0	339.4	317.4	313.0	317.4	313.0	299.8	295.3
50°	290.9	295.3	299.8	308.6	286.5	277.7	277.7	277.7	268.9	264.5
52.5°	268.9	273.3	273.3	273.3	260.1	251.3	251.3	246.9	242.5	238.0
55°	260.1	260.1	260.1	242.5	238.0	233.6	220.4	216.0	211.6	211.6
57.5°	246.9	246.9	242.5	229.2	216.0	216.0	198.4	194.0	189.6	189.6
60°	220.4	220.4	220.4	216.0	198.4	194.0	176.3	167.5	163.1	163.1
62.5°	202.8	202.8	202.8	185.1	180.7	167.5	154.3	141.1	136.7	127.8
65°	185.1	185.1	185.1	167.5	158.7	145.5	127.8	114.6	105.8	92.6
67.5°	171.9	171.9	167.5	154.3	141.1	123.4	105.8	92.6	74.9	66.1
70°	149.9	149.9	145.5	136.7	123.4	110.2	88.2	70.5	57.3	44.1
72.5°	127.8	127.8	123.4	114.6	105.8	92.6	74.9	61.7	39.7	30.9
75°	105.8	105.8	101.4	92.6	88.2	79.3	66.1	48.5	30.9	13.2
77.5°	88.2	88.2	83.8	79.3	74.9	66.1	57.3	39.7	22.0	8.8
80°	66.1	70.5	70.5	70.5	61.7	57.3	52.9	39.7	17.6	4.4
82.5°	48.5	52.9	52.9	52.9	48.5	44.1	48.5	35.3	17.6	4.4
85°	35.3	35.3	39.7	39.7	39.7	39.7	52.9	39.7	13.2	4.4
87.5°	17.6	17.6	17.6	17.6	17.6	22.0	26.4	22.0	8.8	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°
171359.8
170420.8
169367.3
166845.8
162336.2
155750.3
147004.5
136402.8
119832.4
104416.9
87873.0
48587.1
24677.1
15675.5
10791.3
6762.2
3641.2
1877.9
1040.3
745.0
643.6
551.0
471.7
401.1
339.4
295.3
260.1
233.6
207.2
189.6
158.7
119.0
92.6
61.7
44.1
26.4
13.2
4.4
4.4
4.4
4.4
0.0
0.0

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