

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: P636236

Luminaire Tested: **IFLD-L-SA7B-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636236
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24626 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

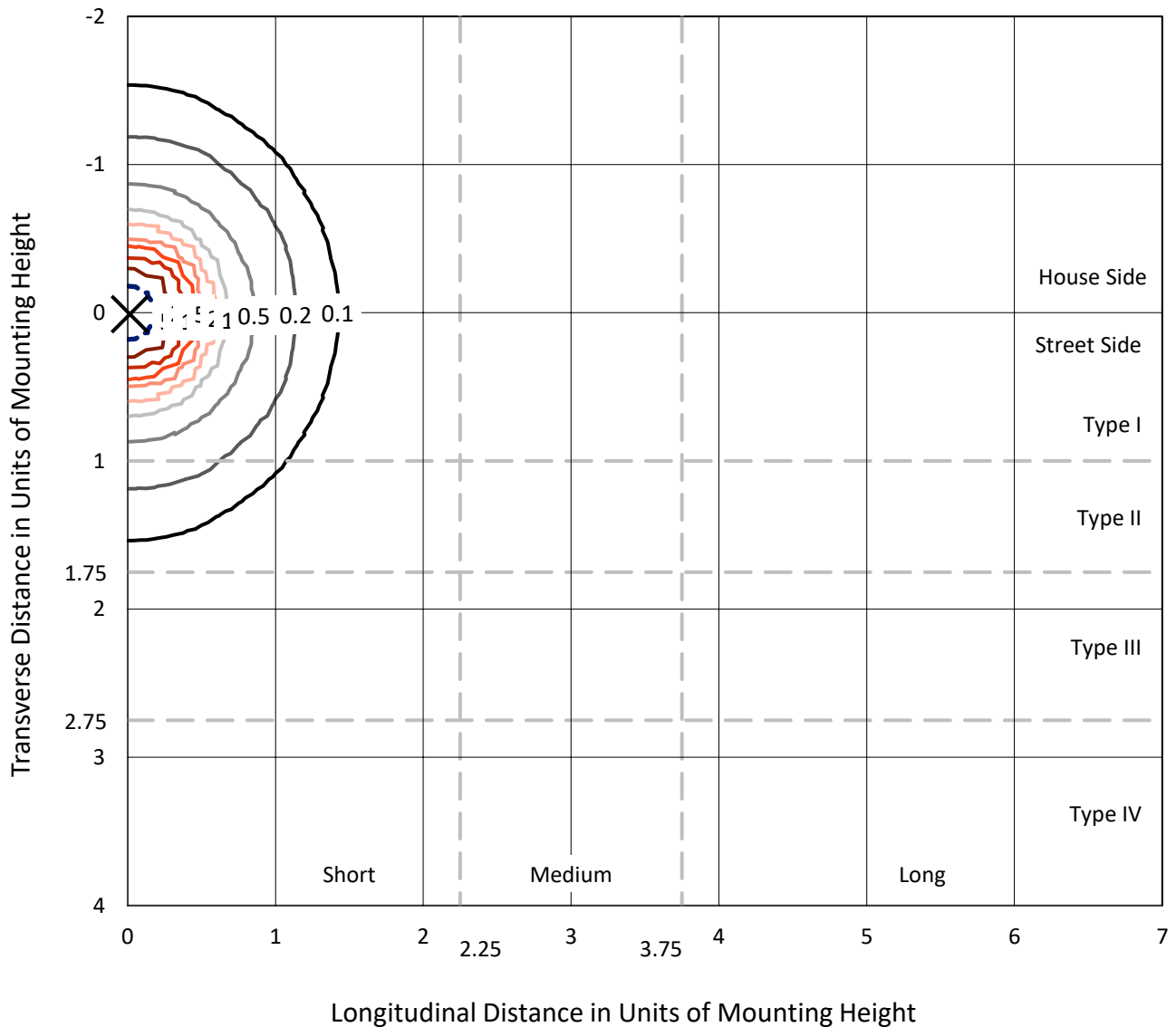
Input Watts (W): 281
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

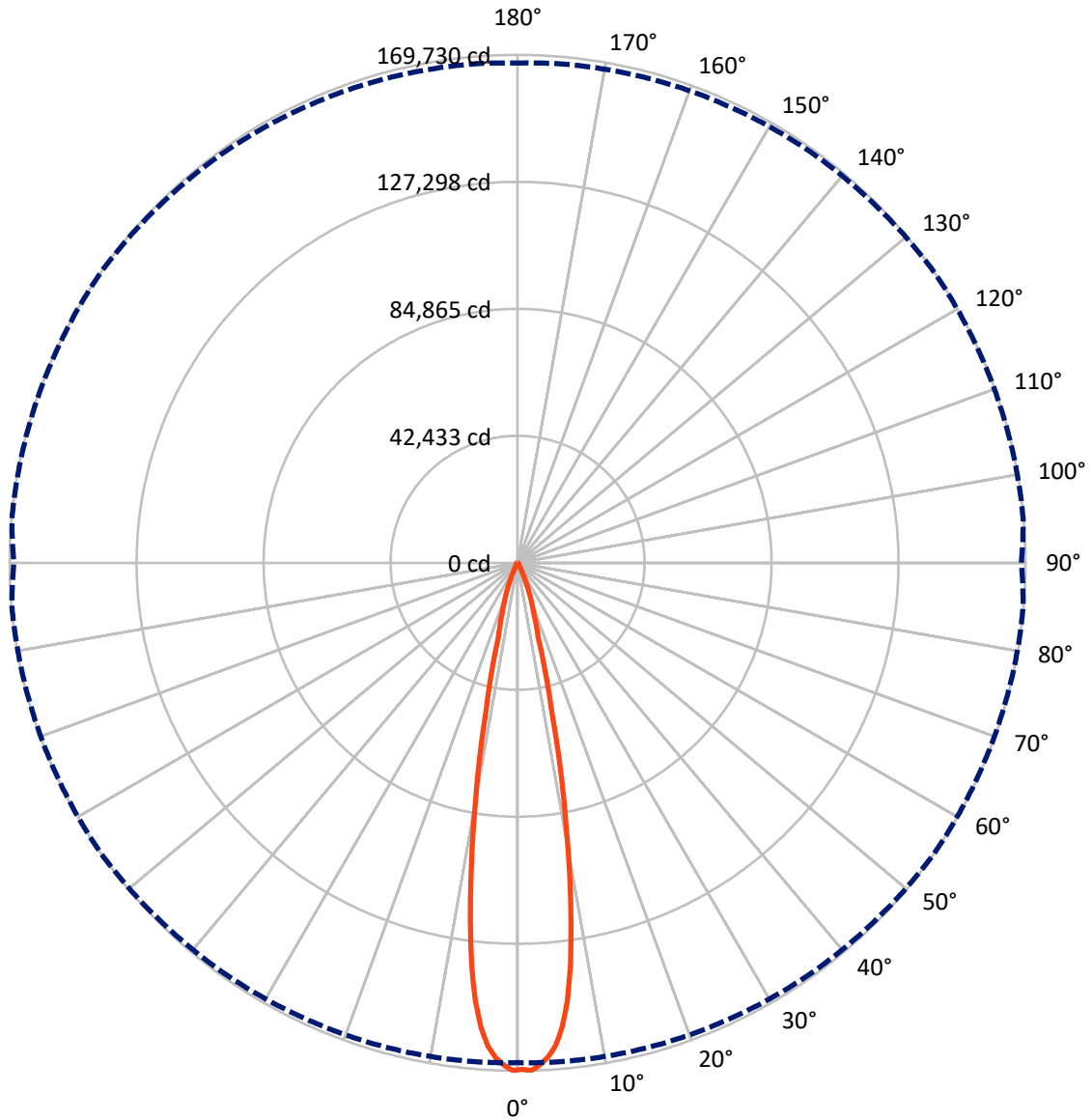
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 423.2 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	12313.0	0.0	12313.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12313.0	0.0	12313.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24626.0	0.0	24626.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12511.9	50.8
10°-20°	8867.3	36.0
20°-30°	2077.8	8.4
30°-40°	434.3	1.8
40°-50°	280.2	1.1
50°-60°	207.5	0.8
60°-70°	141.0	0.6
70°-80°	75.3	0.3
80°-90°	30.8	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°	24626.0	100.0
0°-180°	24626.0	100.0

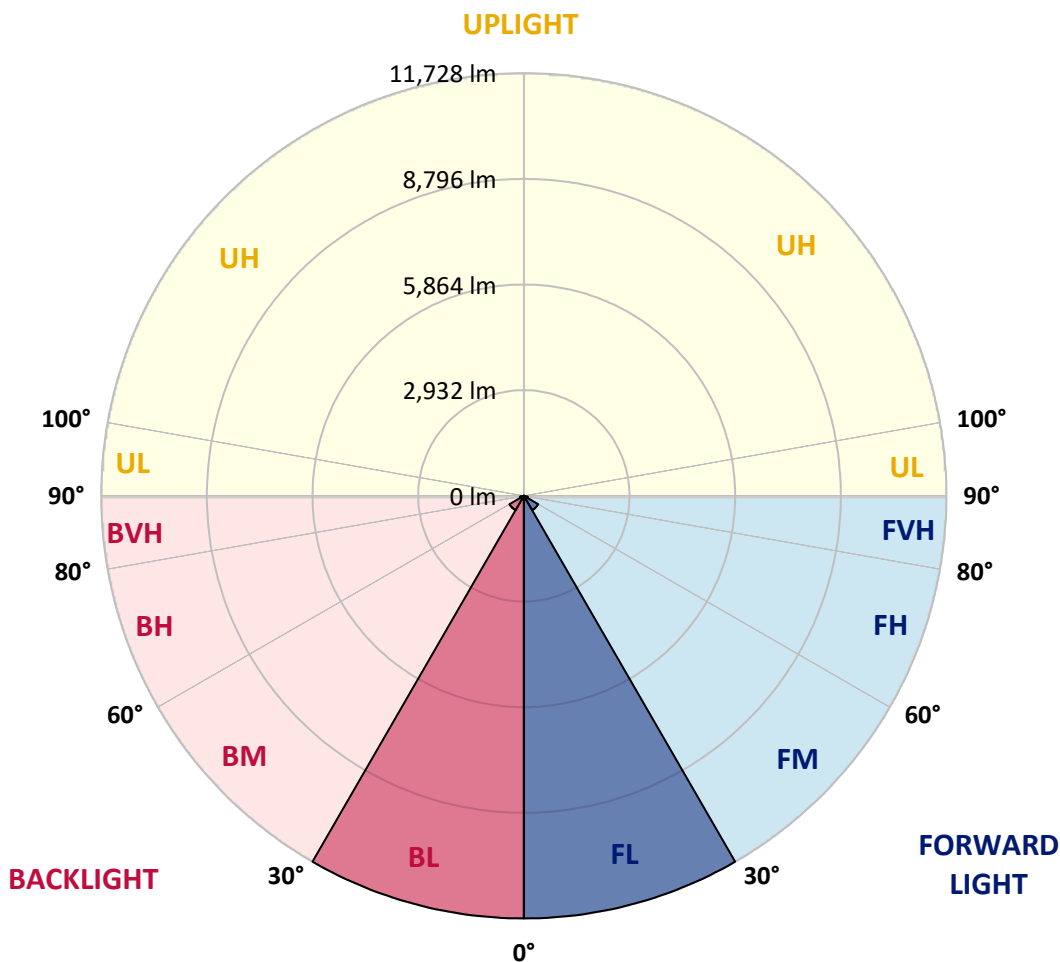


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11728.5	47.6			
FM (30°-60°)	461.0	1.9			
FH (60°-80°)	108.2	0.4			G0/660
FVH (80°-90°)	15.4	0.1			G1/100
BL (0°-30°)	11728.5	47.6	B5		
BM (30°-60°)	461.0	1.9	B1/1000		
BH (60°-80°)	108.2	0.4	B0/110		G0/660
BVH (80°-90°)	15.4	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°	169294.9	169294.9	169294.9	169294.9	169294.9	169294.9	169294.9	169294.9	169294.9	169294.9
1°	167017.2	167326.4	167705.3	168049.3	168567.6	168990.0	169730.4	169573.6	169551.8	169582.3
2°	163781.3	164169.0	164752.5	165096.6	166433.6	166982.3	168101.6	168432.6	168166.9	168467.4
3°	158934.1	159252.1	160166.6	160841.7	162575.0	164055.7	165553.9	166050.3	165741.1	165880.5
4°	153163.7	153490.3	154596.5	155972.7	158476.9	160118.7	161913.0	162357.2	161346.9	161416.5
5°	146295.7	146448.1	147802.6	149056.8	152053.1	154043.4	155746.2	155885.6	154962.3	154609.6
6°	138569.8	138295.4	139541.0	140072.3	143795.9	145825.4	147070.9	146909.8	146208.6	145908.1
7°	129389.3	129014.8	130020.8	129733.4	133030.2	134188.6	135386.3	134837.5	134280.1	134972.5
8°	118767.3	118558.2	117909.3	119085.2	119738.5	120775.0	120770.6	120452.7	120435.3	121589.4
9°	103324.2	105253.5	104683.0	105915.5	105750.0	105702.1	105384.1	105179.4	104308.4	105636.7
10°	86365.5	87628.5	88591.0	90428.8	90071.7	90576.9	88808.7	89109.2	88530.0	89627.5
12.5°	44704.9	46124.6	46956.4	48358.8	49900.5	51477.0	50967.5	50440.5	49652.2	50619.1
15°	22006.2	22568.0	22833.7	24257.8	25355.3	25751.6	25812.5	25346.5	25146.2	25355.3
17.5°	13505.1	13701.1	14471.9	16109.4	17058.8	17294.0	17141.6	16632.0	16061.5	15822.0
20°	9777.1	9833.8	10125.6	10443.5	11710.8	12372.8	12128.9	11628.1	11101.1	10852.8
22.5°	6384.5	6441.2	6537.0	6711.2	7050.9	7869.6	7604.0	7264.3	6907.2	6833.1
25°	3614.7	3614.7	3714.9	3893.4	4146.0	4207.0	4259.3	3897.8	3732.3	3658.3
27.5°	2016.4	2029.5	2051.2	2120.9	2247.2	2234.2	2177.5	2081.7	1968.5	1850.9
30°	1114.9	1128.0	1141.0	1158.5	1180.2	1141.0	1106.2	1088.8	1040.9	1027.8
32.5°	836.2	836.2	844.9	840.5	818.8	770.8	749.1	775.2	770.8	749.1
35°	688.1	688.1	696.8	714.2	670.7	635.8	618.4	653.3	653.3	640.2
37.5°	561.8	566.2	570.5	592.3	579.2	540.0	535.7	544.4	548.7	544.4
40°	492.1	487.8	487.8	492.1	483.4	474.7	466.0	461.6	466.0	461.6
42.5°	426.8	422.4	431.2	422.4	405.0	409.4	409.4	396.3	400.7	392.0
45°	374.5	370.2	374.5	365.8	352.8	357.1	357.1	339.7	339.7	335.3
47.5°	331.0	331.0	331.0	335.3	313.6	309.2	313.6	309.2	296.1	291.8
50°	287.4	291.8	296.1	304.9	283.1	274.4	274.4	274.4	265.7	261.3
52.5°	265.7	270.0	270.0	270.0	256.9	248.2	248.2	243.9	239.5	235.2
55°	256.9	256.9	256.9	239.5	235.2	230.8	217.8	213.4	209.0	209.0
57.5°	243.9	243.9	239.5	226.5	213.4	213.4	196.0	191.6	187.3	187.3
60°	217.8	217.8	217.8	213.4	196.0	191.6	174.2	165.5	161.1	161.1
62.5°	200.3	200.3	200.3	182.9	178.6	165.5	152.4	139.4	135.0	126.3
65°	182.9	182.9	182.9	165.5	156.8	143.7	126.3	113.2	104.5	91.5
67.5°	169.8	169.8	165.5	152.4	139.4	121.9	104.5	91.5	74.0	65.3
70°	148.1	148.1	143.7	135.0	121.9	108.9	87.1	69.7	56.6	43.6
72.5°	126.3	126.3	121.9	113.2	104.5	91.5	74.0	61.0	39.2	30.5
75°	104.5	104.5	100.2	91.5	87.1	78.4	65.3	47.9	30.5	13.1
77.5°	87.1	87.1	82.7	78.4	74.0	65.3	56.6	39.2	21.8	8.7
80°	65.3	69.7	69.7	69.7	61.0	56.6	52.3	39.2	17.4	4.4
82.5°	47.9	52.3	52.3	52.3	47.9	43.6	47.9	34.8	17.4	4.4
85°	34.8	34.8	39.2	39.2	39.2	39.2	52.3	39.2	13.1	4.4
87.5°	17.4	17.4	17.4	17.4	17.4	21.8	26.1	21.8	8.7	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°
169294.9
168367.2
167326.4
164835.3
160380.0
153873.6
145233.1
134759.1
118388.4
103158.7
86814.1
48001.6
24379.7
15486.7
10661.2
6680.7
3597.3
1855.3
1027.8
736.0
635.8
544.4
466.0
396.3
335.3
291.8
256.9
230.8
204.7
187.3
156.8
117.6
91.5
61.0
43.6
26.1
13.1
4.4
4.4
4.4
4.4
0.0
0.0

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