

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: P636325

Luminaire Tested: **IFLD-L-SA7D-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636325
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-930-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29186.3 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

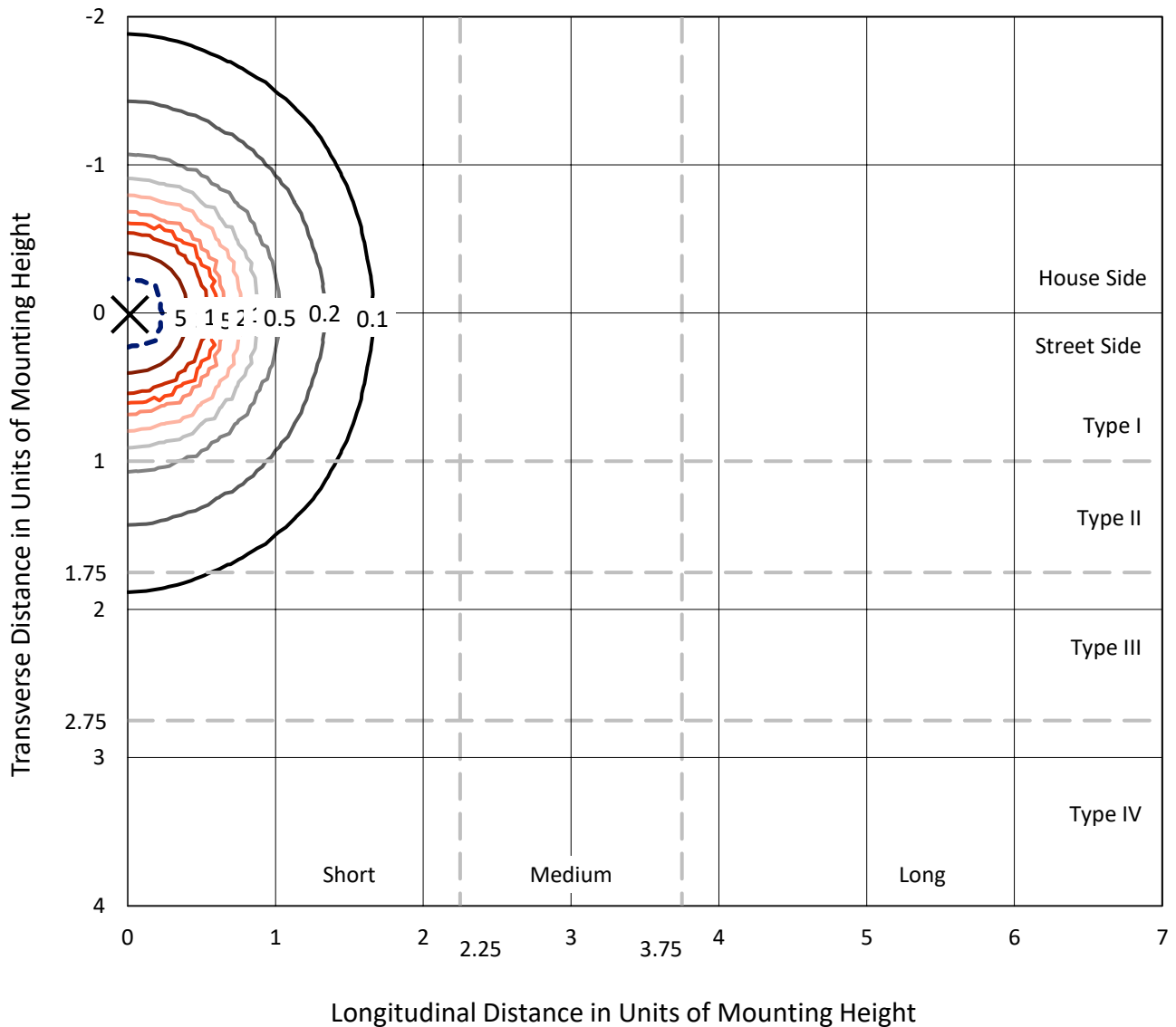
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

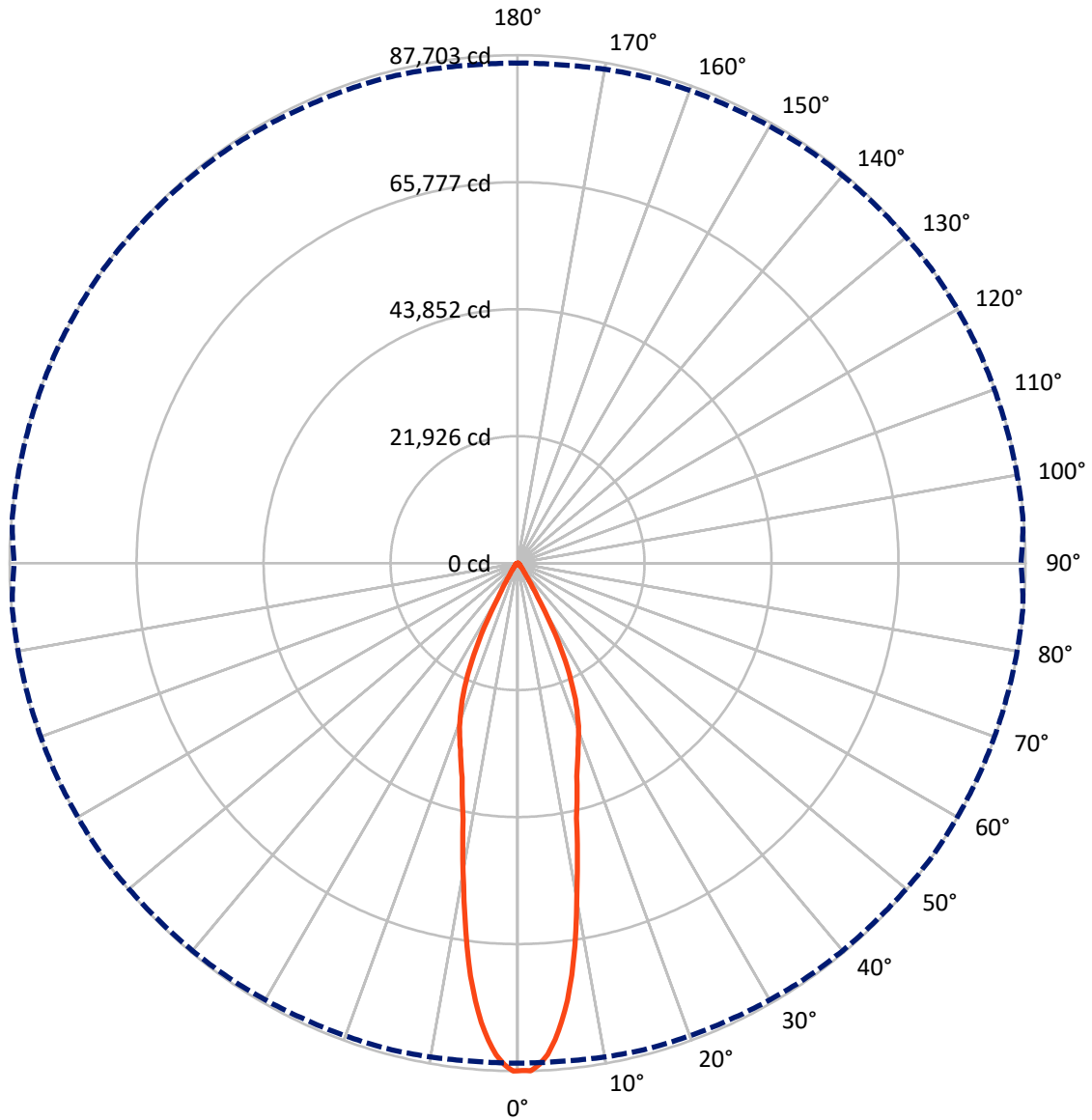
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 219 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	14593.1	0.0	14593.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14593.1	0.0	14593.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	29186.3	0.0	29186.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6665.3	22.8
10°-20°	10886.2	37.3
20°-30°	8506.9	29.1
30°-40°	1854.3	6.4
40°-50°	549.0	1.9
50°-60°	343.4	1.2
60°-70°	240.1	0.8
70°-80°	103.0	0.4
80°-90°	38.1	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°	29186.3	100.0
0°-180°	29186.3	100.0



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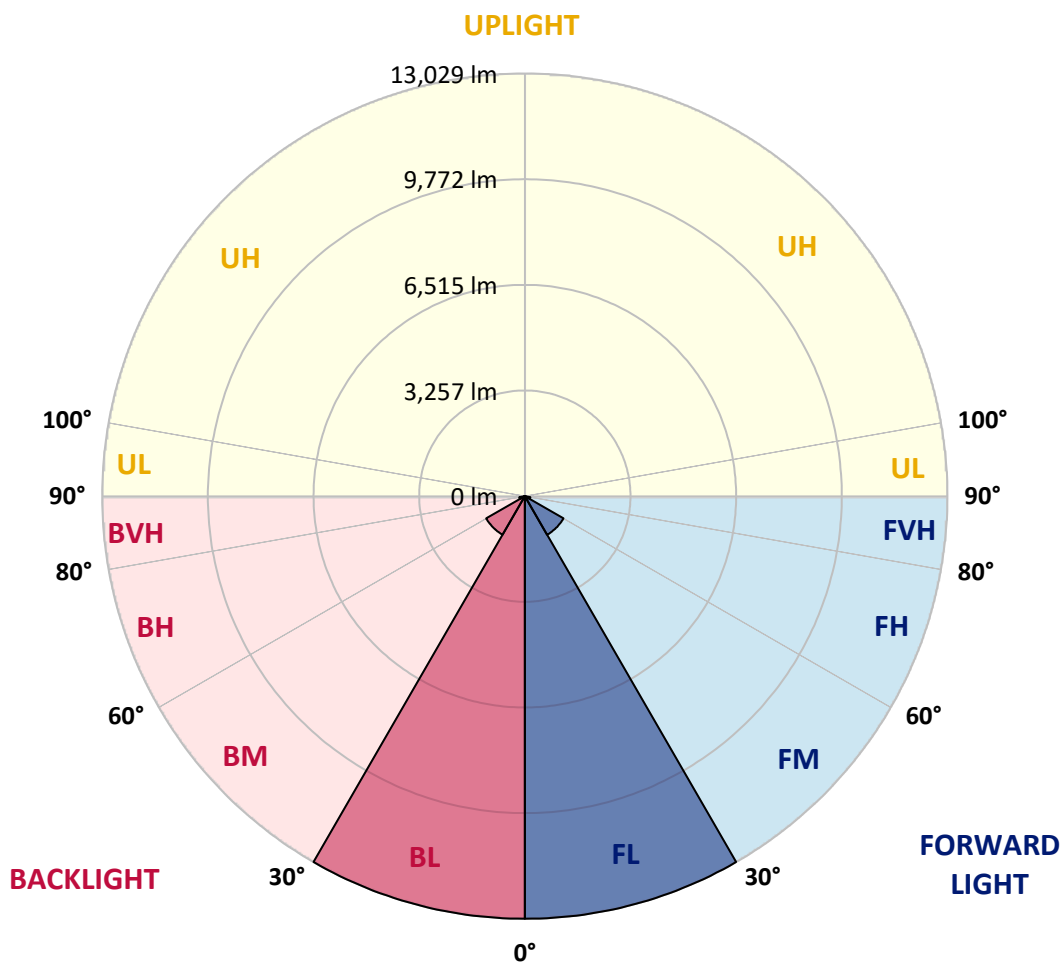
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13029.2	44.6			
FM (30°-60°)	1373.3	4.7			
FH (60°-80°)	171.6	0.6			G0/660
FVH (80°-90°)	19.0	0.1			G1/100
BL (0°-30°)	13029.2	44.6	B5		
BM (30°-60°)	1373.3	4.7	B2/2500		
BH (60°-80°)	171.6	0.6	B1/500		G0/660
BVH (80°-90°)	19.0	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°	87602.8	87602.8	87602.8	87602.8	87602.8	87602.8	87602.8	87602.8	87602.8	87602.8
1°	86334.7	86345.3	86815.5	86921.2	87243.5	87407.3	87703.2	87671.5	87581.7	87592.2
2°	84744.4	84675.7	85114.2	85600.3	85986.0	86303.0	86657.0	86731.0	86646.5	86725.7
3°	82129.0	82028.6	82641.5	83249.1	83920.1	84464.3	84998.0	85019.1	84918.7	84913.4
4°	78689.3	78504.4	79233.5	80316.7	81162.0	81885.9	82551.6	82541.1	82403.7	82514.7
5°	74531.1	74298.6	75244.4	76670.9	77923.2	78795.0	79529.4	79355.0	79038.0	79053.9
6°	69427.1	69654.3	70811.4	72813.9	74293.3	75017.2	75920.7	75593.1	75043.6	74985.5
7°	64629.5	65142.0	66066.7	68481.3	70240.8	71001.6	71767.7	71107.3	70362.3	70240.8
8°	59578.4	60434.3	61713.0	63937.4	65813.1	66579.2	66869.8	66161.8	65364.0	65332.3
9°	55483.5	56070.0	57169.0	59129.3	61036.6	61549.2	61612.6	60994.4	60196.5	60249.4
10°	51758.6	51869.5	52820.6	54506.1	56033.0	56397.6	56381.8	55932.6	55277.5	55451.8
12.5°	43421.0	43722.1	43996.9	44535.8	45048.3	45286.1	45196.3	45011.4	44652.1	44667.9
15°	37762.2	37756.9	37788.6	38036.9	38190.2	38216.6	38216.6	37984.1	37830.9	38058.1
17.5°	32769.2	33043.9	33535.3	33736.1	33936.8	33862.9	33725.5	33619.8	33519.4	33714.9
20°	28885.7	29007.2	29012.5	29144.6	30159.0	30211.9	30037.5	29736.3	29482.7	29435.2
22.5°	24516.1	24701.0	24780.3	24896.5	25002.2	25773.6	25567.6	25081.5	24780.3	24690.5
25°	18402.9	18339.5	18857.3	19808.4	19961.6	20056.7	20003.9	19750.3	19554.8	19591.7
27.5°	12717.7	12828.7	12807.6	12818.1	13827.3	13822.0	13806.2	13584.2	13526.1	13441.6
30°	7111.8	7058.9	7085.4	7016.7	6874.0	7048.4	6768.3	7006.1	6773.6	6847.6
32.5°	4205.8	4168.8	4131.8	4147.7	4042.0	3783.1	3672.1	3835.9	3783.1	3762.0
35°	2684.1	2699.9	2747.5	2742.2	2647.1	2499.2	2340.7	2488.6	2467.5	2404.1
37.5°	1711.9	1711.9	1727.8	1865.1	1785.9	1659.1	1548.1	1611.5	1606.2	1595.7
40°	1215.2	1215.2	1236.4	1273.4	1231.1	1167.7	1104.3	1104.3	1114.8	1083.1
42.5°	903.5	903.5	924.6	945.8	892.9	871.8	840.1	819.0	845.4	819.0
45°	708.0	702.7	708.0	697.4	665.7	665.7	639.3	607.6	639.3	623.5
47.5°	581.2	575.9	570.6	549.5	517.8	523.1	512.5	486.1	501.9	496.7
50°	507.2	496.7	501.9	480.8	454.4	449.1	449.1	422.7	428.0	428.0
52.5°	443.8	443.8	438.5	428.0	417.4	396.3	401.6	375.1	375.1	375.1
55°	417.4	417.4	406.8	385.7	391.0	375.1	359.3	343.4	338.2	338.2
57.5°	412.1	412.1	406.8	385.7	369.9	364.6	343.4	322.3	306.5	311.7
60°	401.6	401.6	391.0	385.7	359.3	348.7	317.0	301.2	280.0	280.0
62.5°	385.7	380.4	359.3	327.6	327.6	301.2	280.0	248.3	232.5	227.2
65°	327.6	322.3	306.5	280.0	264.2	248.3	216.6	184.9	174.4	158.5
67.5°	269.5	269.5	258.9	232.5	221.9	200.8	163.8	142.7	116.2	105.7
70°	221.9	221.9	211.3	195.5	184.9	158.5	126.8	105.7	79.3	68.7
72.5°	179.6	179.6	169.1	158.5	147.9	132.1	105.7	79.3	52.8	42.3
75°	142.7	142.7	137.4	126.8	116.2	105.7	84.5	63.4	37.0	21.1
77.5°	116.2	116.2	111.0	105.7	95.1	84.5	68.7	52.8	26.4	10.6
80°	89.8	89.8	89.8	89.8	79.3	68.7	58.1	42.3	21.1	5.3
82.5°	63.4	63.4	68.7	79.3	63.4	52.8	52.8	42.3	15.9	5.3
85°	42.3	47.6	52.8	47.6	42.3	42.3	74.0	68.7	15.9	5.3
87.5°	21.1	21.1	21.1	21.1	21.1	15.9	21.1	15.9	10.6	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°
87602.8
86942.4
86102.3
84453.8
81991.6
78282.5
74214.1
69664.8
64175.1
59462.1
54838.9
44144.8
37529.7
33265.8
29128.7
24368.2
19464.9
13135.1
6937.4
3709.1
2335.4
1574.5
1072.6
813.7
623.5
496.7
433.3
375.1
332.9
311.7
264.2
216.6
153.2
100.4
63.4
37.0
15.9
10.6
5.3
5.3
5.3
0.0
0.0

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