

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: P636300

Luminaire Tested: **IFLD-L-SA8C-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636300
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29987.2 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

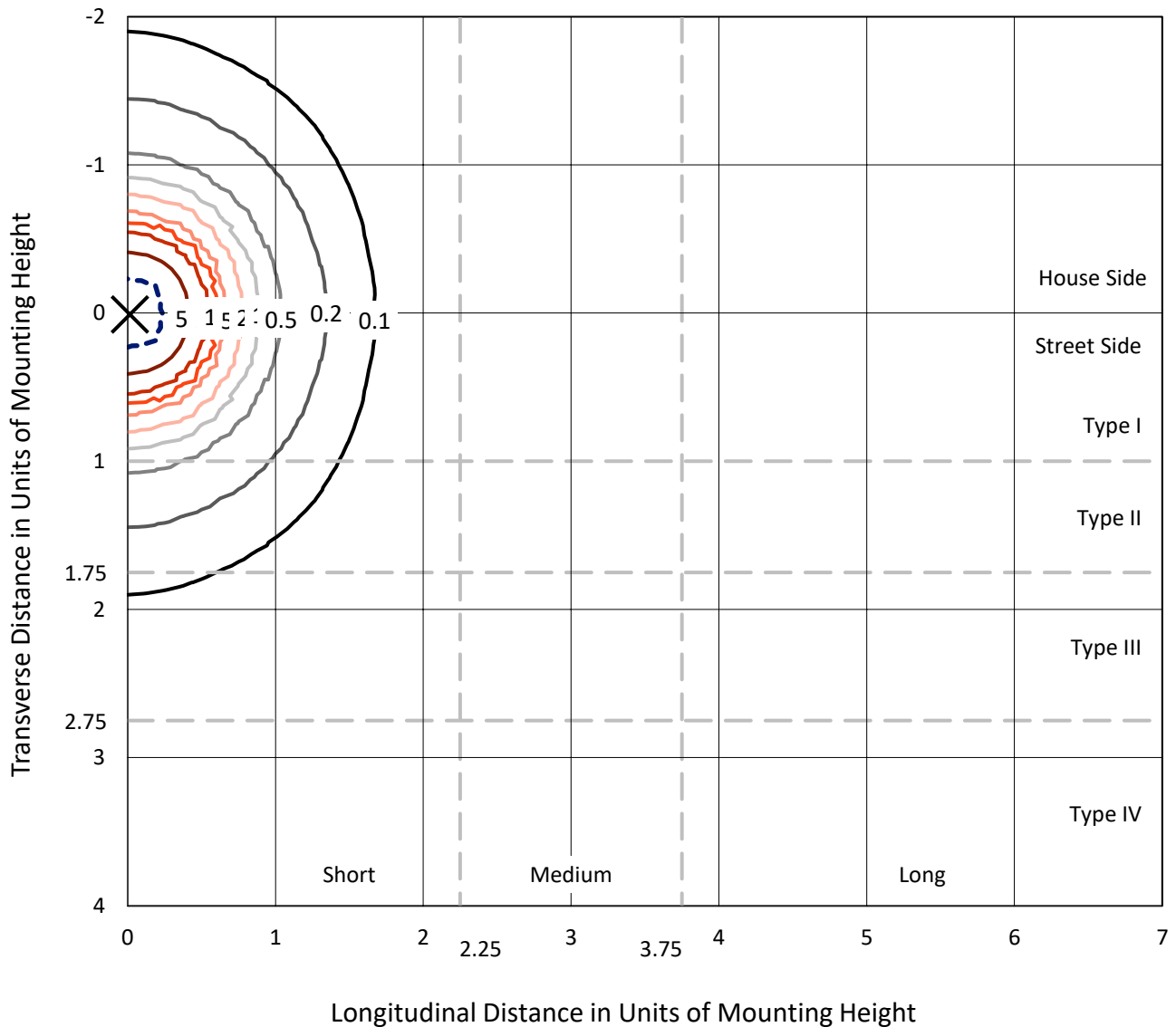
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

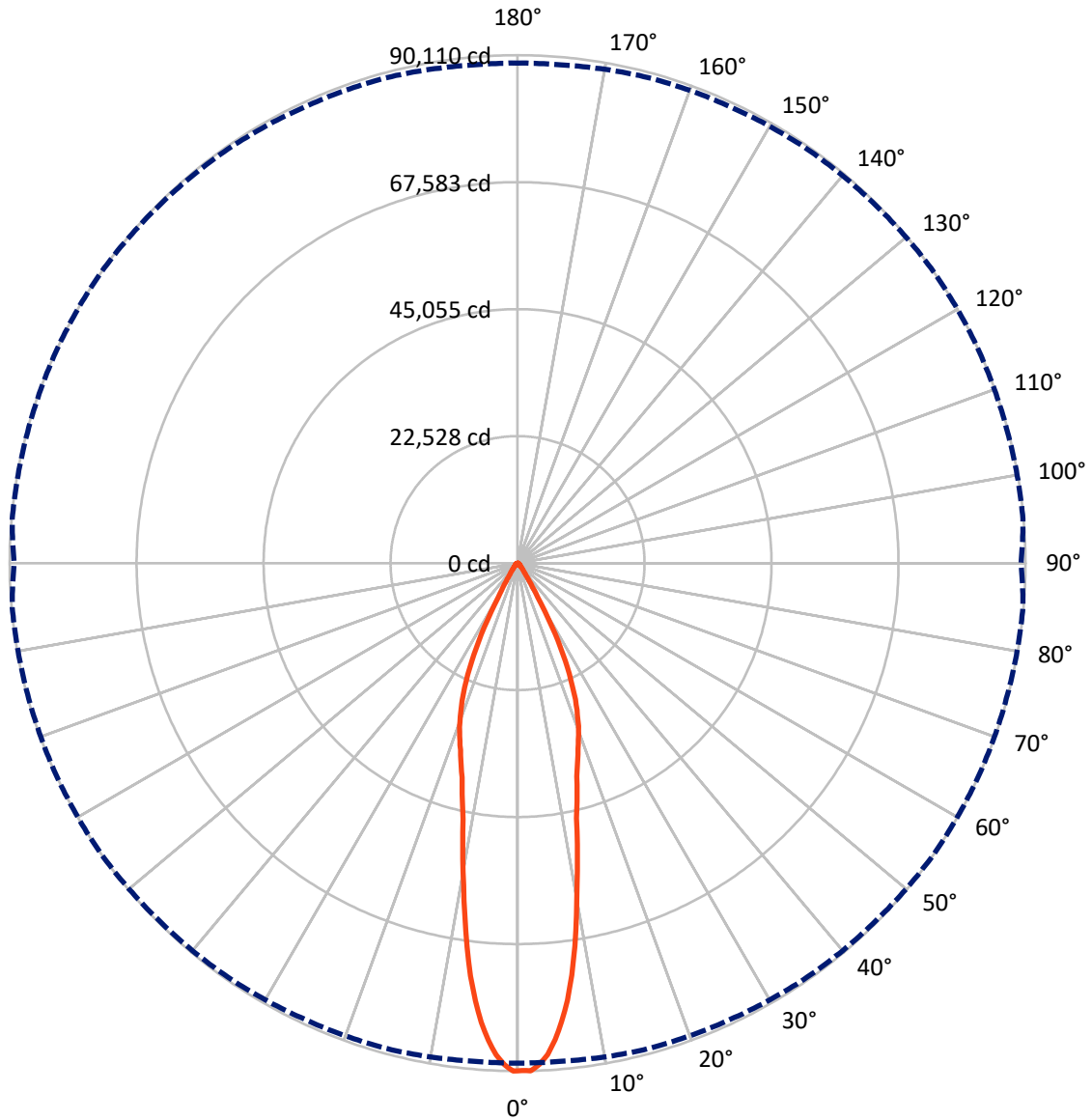
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 225 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	14993.6	0.0	14993.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14993.6	0.0	14993.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	29987.2	0.0	29987.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6848.2	22.8
10°-20°	11185.0	37.3
20°-30°	8740.3	29.1
30°-40°	1905.1	6.4
40°-50°	564.1	1.9
50°-60°	352.8	1.2
60°-70°	246.7	0.8
70°-80°	105.9	0.4
80°-90°	39.1	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°	29987.2	100.0
0°-180°	29987.2	100.0



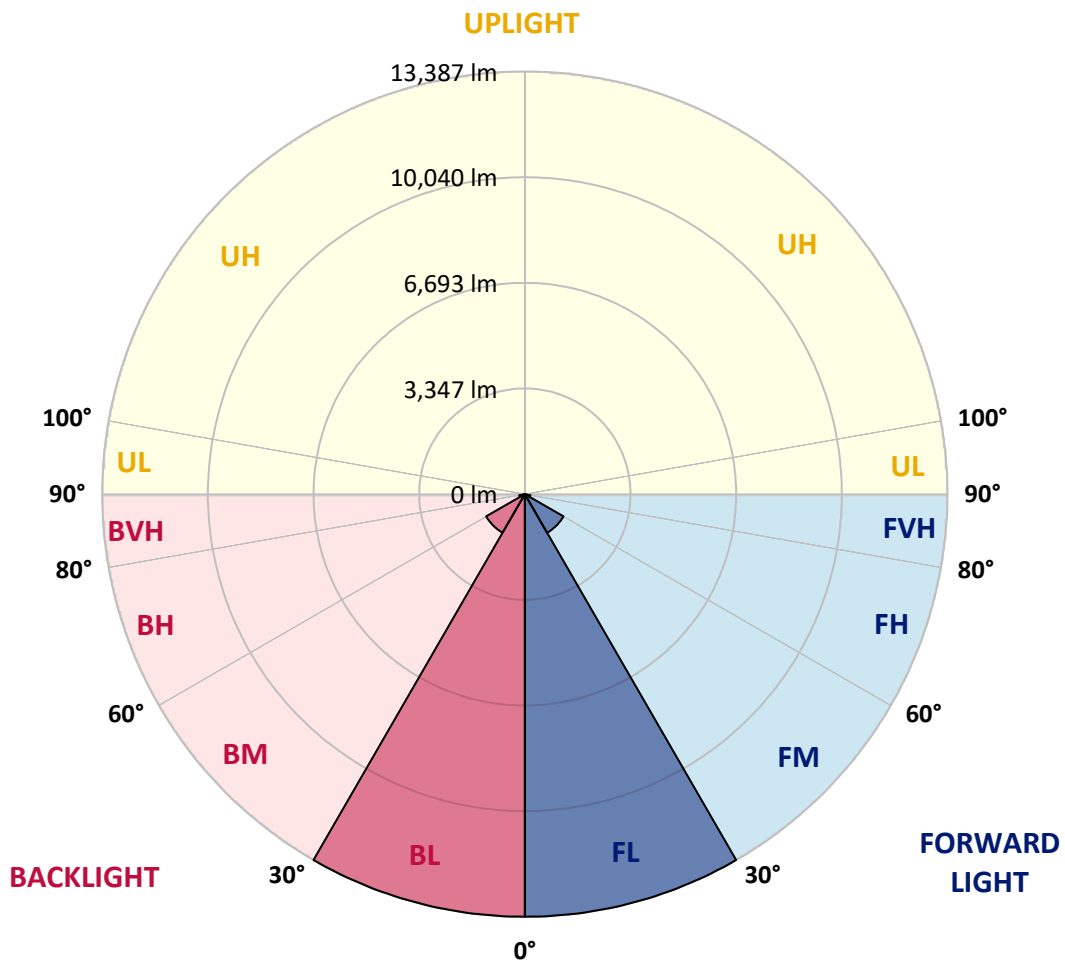
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	13386.8	44.6			
FM	(30°-60°)	1411.0	4.7			
FH	(60°-80°)	176.3	0.6			G0/660
FVH	(80°-90°)	19.6	0.1			G1/100
BL	(0°-30°)	13386.8	44.6	B5		
BM	(30°-60°)	1411.0	4.7	B2/2500		
BH	(60°-80°)	176.3	0.6	B1/500		G0/660
BVH	(80°-90°)	19.6	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°	90007.0	90007.0	90007.0	90007.0	90007.0	90007.0	90007.0	90007.0	90007.0	90007.0
1°	88704.1	88714.9	89198.1	89306.7	89637.8	89806.1	90110.1	90077.5	89985.2	89996.1
2°	87070.1	86999.5	87450.1	87949.5	88345.8	88671.5	89035.2	89111.2	89024.4	89105.8
3°	84382.9	84279.7	84909.5	85533.8	86223.2	86782.3	87330.6	87352.4	87249.2	87243.8
4°	80848.8	80658.8	81408.0	82520.9	83389.4	84133.2	84817.2	84806.3	84665.2	84779.2
5°	76576.5	76337.6	77309.4	78775.1	80061.7	80957.4	81712.0	81532.8	81207.1	81223.4
6°	71332.4	71565.8	72754.7	74812.2	76332.2	77075.9	78004.2	77667.6	77103.1	77043.4
7°	66403.2	66929.8	67879.8	70360.7	72168.4	72950.2	73737.3	73058.7	72293.3	72168.4
8°	61213.4	62092.9	63406.6	65692.1	67619.2	68406.4	68705.0	67977.5	67157.8	67125.2
9°	57006.2	57608.8	58738.0	60752.0	62711.7	63238.3	63303.4	62668.3	61848.6	61902.9
10°	53179.0	53293.0	54270.2	56001.9	57570.8	57945.4	57929.1	57467.7	56794.5	56973.6
12.5°	44612.6	44922.1	45204.3	45758.1	46284.6	46528.9	46436.6	46246.6	45877.5	45893.8
15°	38798.5	38793.1	38825.7	39080.8	39238.3	39265.4	39265.4	39026.5	38869.1	39102.5
17.5°	33668.5	33950.8	34455.6	34661.9	34868.2	34792.2	34651.1	34542.5	34439.3	34640.2
20°	29678.4	29803.3	29808.7	29944.4	30986.7	31041.0	30861.9	30552.4	30291.8	30243.0
22.5°	25188.9	25378.9	25460.4	25579.8	25688.4	26480.9	26269.2	25769.8	25460.4	25368.1
25°	18908.0	18842.8	19374.8	20352.0	20509.4	20607.1	20552.9	20292.3	20091.4	20129.4
27.5°	13066.8	13180.8	13159.0	13169.9	14206.8	14201.3	14185.1	13957.1	13897.3	13810.5
30°	7307.0	7252.7	7279.8	7209.2	7062.7	7241.8	6954.1	7198.4	6959.5	7035.5
32.5°	4321.2	4283.2	4245.2	4261.5	4152.9	3886.9	3772.9	3941.2	3886.9	3865.2
35°	2757.8	2774.0	2822.9	2817.5	2719.8	2567.7	2404.9	2556.9	2535.2	2470.0
37.5°	1758.9	1758.9	1775.2	1916.3	1834.9	1704.6	1590.6	1655.7	1650.3	1639.5
40°	1248.6	1248.6	1270.3	1308.3	1264.9	1199.7	1134.6	1134.6	1145.4	1112.9
42.5°	928.3	928.3	950.0	971.7	917.4	895.7	863.2	841.4	868.6	841.4
45°	727.4	722.0	727.4	716.6	684.0	684.0	656.9	624.3	656.9	640.6
47.5°	597.2	591.7	586.3	564.6	532.0	537.4	526.6	499.4	515.7	510.3
50°	521.2	510.3	515.7	494.0	466.9	461.4	461.4	434.3	439.7	439.7
52.5°	456.0	456.0	450.6	439.7	428.9	407.1	412.6	385.4	385.4	385.4
55°	428.9	428.9	418.0	396.3	401.7	385.4	369.1	352.9	347.4	347.4
57.5°	423.4	423.4	418.0	396.3	380.0	374.6	352.9	331.1	314.9	320.3
60°	412.6	412.6	401.7	396.3	369.1	358.3	325.7	309.4	287.7	287.7
62.5°	396.3	390.9	369.1	336.6	336.6	309.4	287.7	255.1	238.9	233.4
65°	336.6	331.1	314.9	287.7	271.4	255.1	222.6	190.0	179.1	162.9
67.5°	276.9	276.9	266.0	238.9	228.0	206.3	168.3	146.6	119.4	108.6
70°	228.0	228.0	217.1	200.9	190.0	162.9	130.3	108.6	81.4	70.6
72.5°	184.6	184.6	173.7	162.9	152.0	135.7	108.6	81.4	54.3	43.4
75°	146.6	146.6	141.1	130.3	119.4	108.6	86.9	65.1	38.0	21.7
77.5°	119.4	119.4	114.0	108.6	97.7	86.9	70.6	54.3	27.1	10.9
80°	92.3	92.3	92.3	92.3	81.4	70.6	59.7	43.4	21.7	5.4
82.5°	65.1	65.1	70.6	81.4	65.1	54.3	54.3	43.4	16.3	5.4
85°	43.4	48.9	54.3	48.9	43.4	43.4	76.0	70.6	16.3	5.4
87.5°	21.7	21.7	21.7	21.7	21.7	16.3	21.7	16.3	10.9	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°
90007.0
89328.4
88465.2
86771.5
84241.7
80430.8
76250.8
71576.7
65936.3
61094.0
56343.9
45356.3
38559.7
34178.8
29928.1
25036.9
19999.1
13495.6
7127.8
3810.9
2399.5
1617.7
1102.0
836.0
640.6
510.3
445.1
385.4
342.0
320.3
271.4
222.6
157.4
103.1
65.1
38.0
16.3
10.9
5.4
5.4
5.4
0.0
0.0

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