

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: P636296

Luminaire Tested: **IFLD-L-SA7D-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636296
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28871.6 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

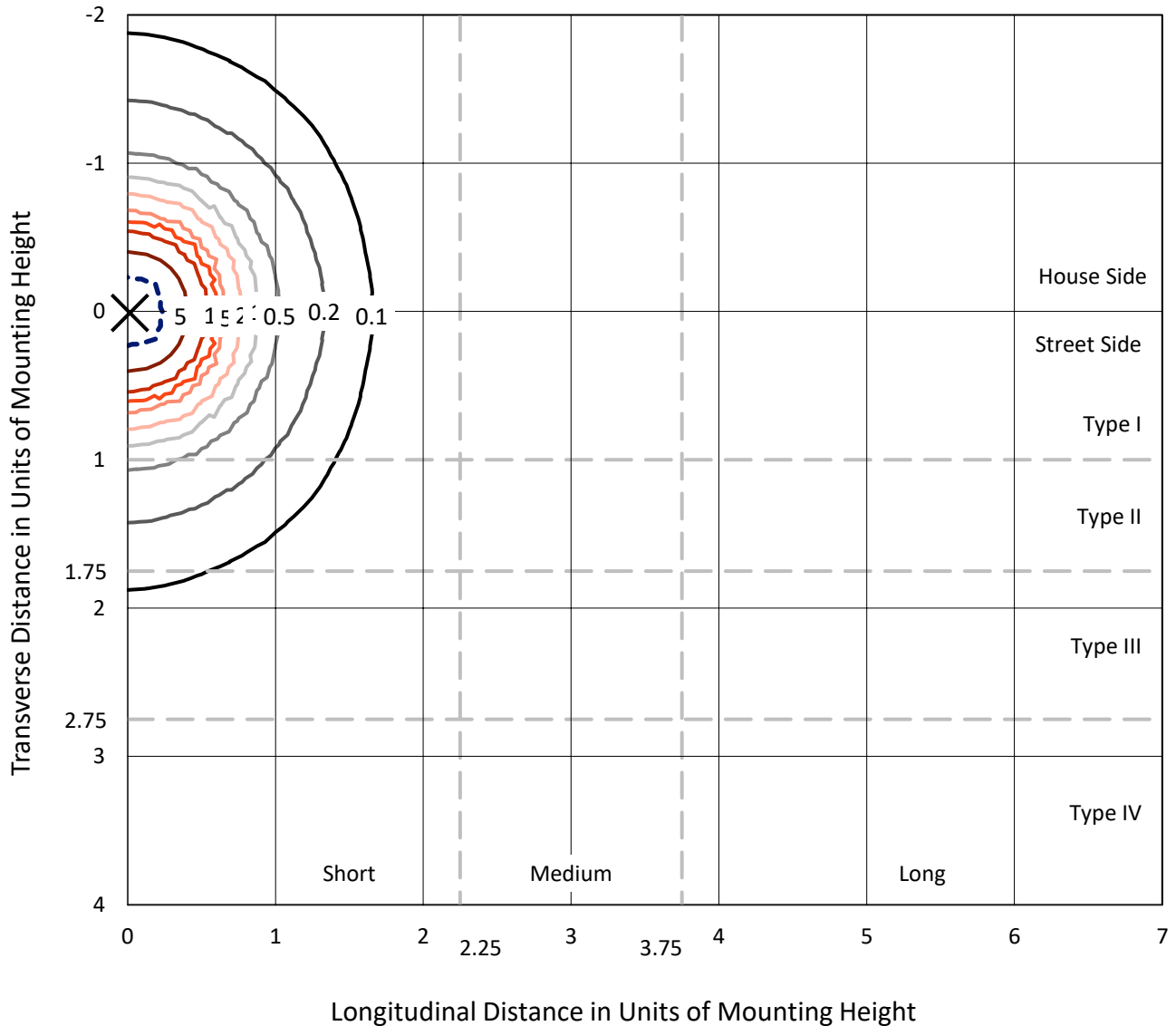
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

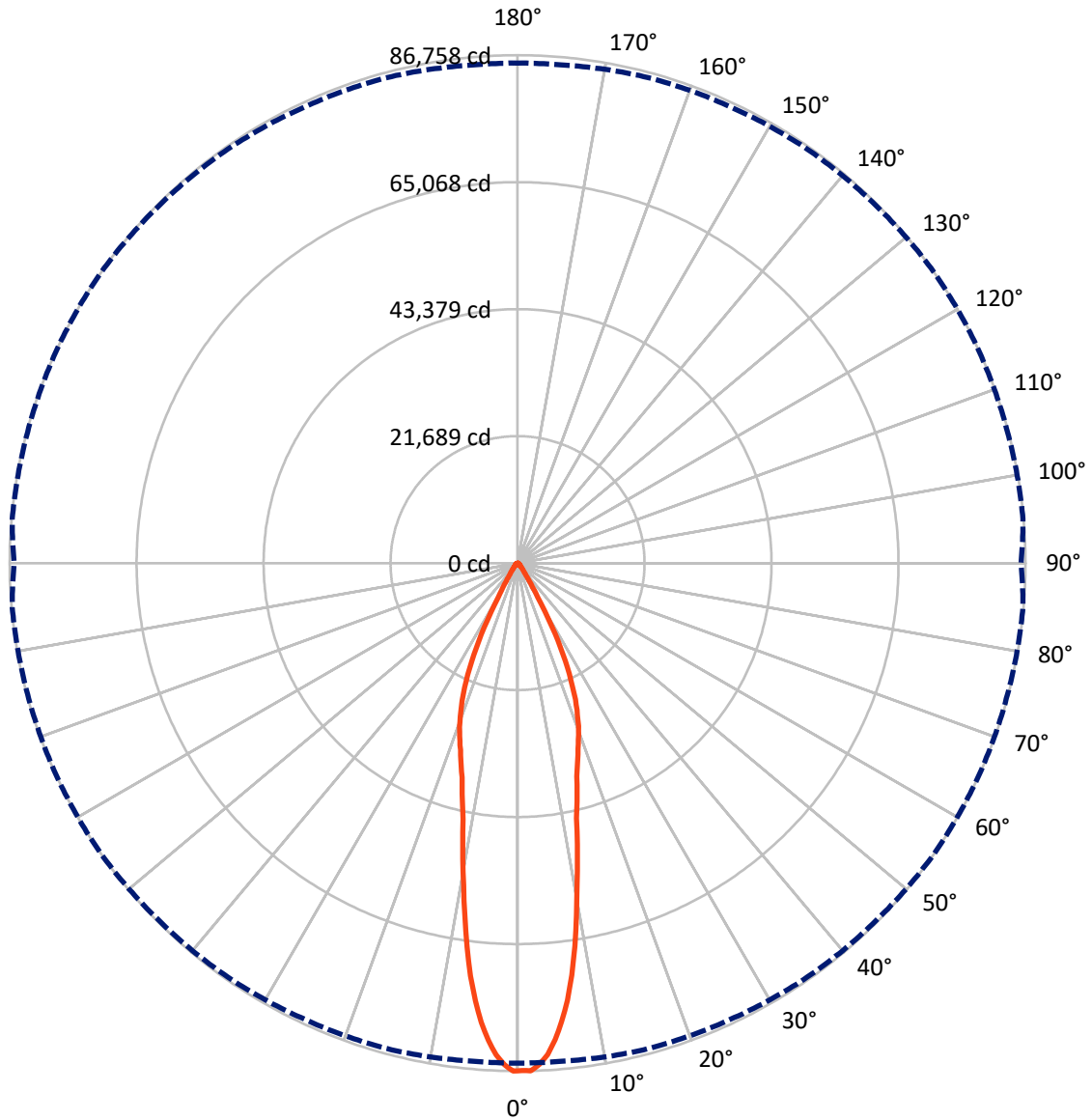
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 216.6 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	14435.8	0.0	14435.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14435.8	0.0	14435.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	28871.6	0.0	28871.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6593.4	22.8
10°-20°	10768.9	37.3
20°-30°	8415.1	29.1
30°-40°	1834.3	6.4
40°-50°	543.1	1.9
50°-60°	339.7	1.2
60°-70°	237.5	0.8
70°-80°	101.9	0.4
80°-90°	37.7	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°	28871.6	100.0
0°-180°	28871.6	100.0



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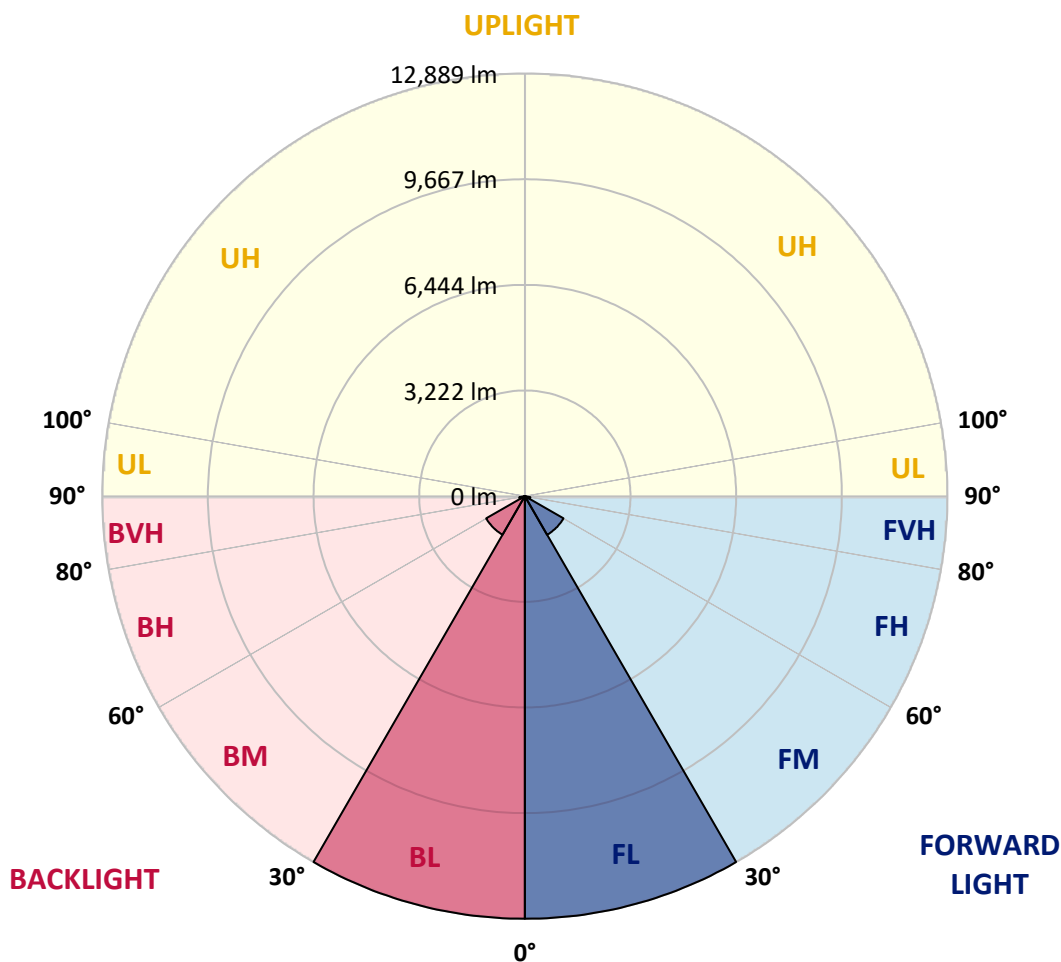
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12888.7	44.6			
FM (30°-60°)	1358.5	4.7			
FH (60°-80°)	169.7	0.6			G0/660
FVH (80°-90°)	18.8	0.1			G1/100
BL (0°-30°)	12888.7	44.6	B5		
BM (30°-60°)	1358.5	4.7	B2/2500		
BH (60°-80°)	169.7	0.6	B1/500		G0/660
BVH (80°-90°)	18.8	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°	86658.3	86658.3	86658.3	86658.3	86658.3	86658.3	86658.3	86658.3	86658.3	86658.3
1°	85403.9	85414.4	85879.6	85984.1	86302.9	86465.0	86757.6	86726.3	86637.4	86647.9
2°	83830.7	83762.8	84196.6	84677.4	85059.0	85372.6	85722.8	85795.9	85712.3	85790.7
3°	81243.5	81144.2	81750.5	82351.6	83015.3	83553.7	84081.6	84102.5	84003.2	83998.0
4°	77840.9	77658.0	78379.3	79450.7	80287.0	81003.1	81661.6	81651.2	81515.3	81625.0
5°	73727.5	73497.6	74433.1	75844.3	77083.1	77945.5	78672.0	78499.5	78185.9	78201.6
6°	68678.6	68903.3	70048.0	72028.9	73492.3	74208.4	75102.2	74778.1	74234.5	74177.0
7°	63932.7	64439.7	65354.4	67743.0	69483.5	70236.1	70994.0	70340.6	69603.7	69483.5
8°	58936.0	59782.8	61047.6	63248.0	65103.5	65861.4	66148.9	65448.5	64659.2	64627.9
9°	54885.4	55465.5	56552.7	58491.8	60378.6	60885.6	60948.3	60336.8	59547.6	59599.8
10°	51200.5	51310.3	52251.1	53918.4	55428.9	55789.6	55773.9	55329.6	54681.5	54854.0
12.5°	42952.8	43250.8	43522.6	44055.7	44562.7	44797.9	44709.0	44526.1	44170.7	44186.3
15°	37355.1	37349.8	37381.2	37626.9	37778.4	37804.6	37804.6	37574.6	37423.0	37647.8
17.5°	32415.9	32687.7	33173.7	33372.3	33571.0	33497.8	33361.9	33257.4	33158.1	33351.4
20°	28574.3	28694.5	28699.7	28830.4	29833.9	29886.2	29713.7	29415.8	29164.9	29117.8
22.5°	24251.8	24434.7	24513.1	24628.1	24732.6	25495.7	25291.9	24811.0	24513.1	24424.3
25°	18204.5	18141.8	18654.0	19594.8	19746.4	19840.5	19788.2	19537.3	19343.9	19380.5
27.5°	12580.6	12690.4	12669.5	12679.9	13678.2	13673.0	13657.3	13437.8	13380.3	13296.7
30°	7035.1	6982.8	7009.0	6941.0	6799.9	6972.4	6695.4	6930.6	6700.6	6773.8
32.5°	4160.4	4123.8	4087.3	4102.9	3998.4	3742.3	3632.5	3794.6	3742.3	3721.4
35°	2655.2	2670.8	2717.9	2712.6	2618.6	2472.2	2315.4	2461.8	2440.9	2378.1
37.5°	1693.4	1693.4	1709.1	1845.0	1766.6	1641.2	1531.4	1594.1	1588.9	1578.5
40°	1202.1	1202.1	1223.0	1259.6	1217.8	1155.1	1092.4	1092.4	1102.8	1071.5
42.5°	893.8	893.8	914.7	935.6	883.3	862.4	831.0	810.1	836.3	810.1
45°	700.4	695.1	700.4	689.9	658.6	658.6	632.4	601.1	632.4	616.7
47.5°	574.9	569.7	564.5	543.6	512.2	517.4	507.0	480.9	496.5	491.3
50°	501.8	491.3	496.5	475.6	449.5	444.3	444.3	418.1	423.4	423.4
52.5°	439.0	439.0	433.8	423.4	412.9	392.0	397.2	371.1	371.1	371.1
55°	412.9	412.9	402.5	381.5	386.8	371.1	355.4	339.7	334.5	334.5
57.5°	407.7	407.7	402.5	381.5	365.9	360.6	339.7	318.8	303.1	308.4
60°	397.2	397.2	386.8	381.5	355.4	345.0	313.6	297.9	277.0	277.0
62.5°	381.5	376.3	355.4	324.1	324.1	297.9	277.0	245.7	230.0	224.7
65°	324.1	318.8	303.1	277.0	261.3	245.7	214.3	182.9	172.5	156.8
67.5°	266.6	266.6	256.1	230.0	219.5	198.6	162.0	141.1	115.0	104.5
70°	219.5	219.5	209.1	193.4	182.9	156.8	125.4	104.5	78.4	67.9
72.5°	177.7	177.7	167.3	156.8	146.3	130.7	104.5	78.4	52.3	41.8
75°	141.1	141.1	135.9	125.4	115.0	104.5	83.6	62.7	36.6	20.9
77.5°	115.0	115.0	109.8	104.5	94.1	83.6	67.9	52.3	26.1	10.5
80°	88.9	88.9	88.9	88.9	78.4	67.9	57.5	41.8	20.9	5.2
82.5°	62.7	62.7	67.9	78.4	62.7	52.3	52.3	41.8	15.7	5.2
85°	41.8	47.0	52.3	47.0	41.8	41.8	73.2	67.9	15.7	5.2
87.5°	20.9	20.9	20.9	20.9	20.9	15.7	20.9	15.7	10.5	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°
86658.3
86005.0
85174.0
83543.2
81107.6
77438.5
73413.9
68913.8
63483.2
58821.0
54247.7
43668.9
37125.1
32907.2
28814.7
24105.4
19255.1
12993.5
6862.6
3669.1
2310.2
1557.6
1061.0
804.9
616.7
491.3
428.6
371.1
329.3
308.4
261.3
214.3
151.6
99.3
62.7
36.6
15.7
10.5
5.2
5.2
5.2
0.0
0.0

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