

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: P479624

Luminaire Tested: **IFLD-L-SA7A-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479624
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

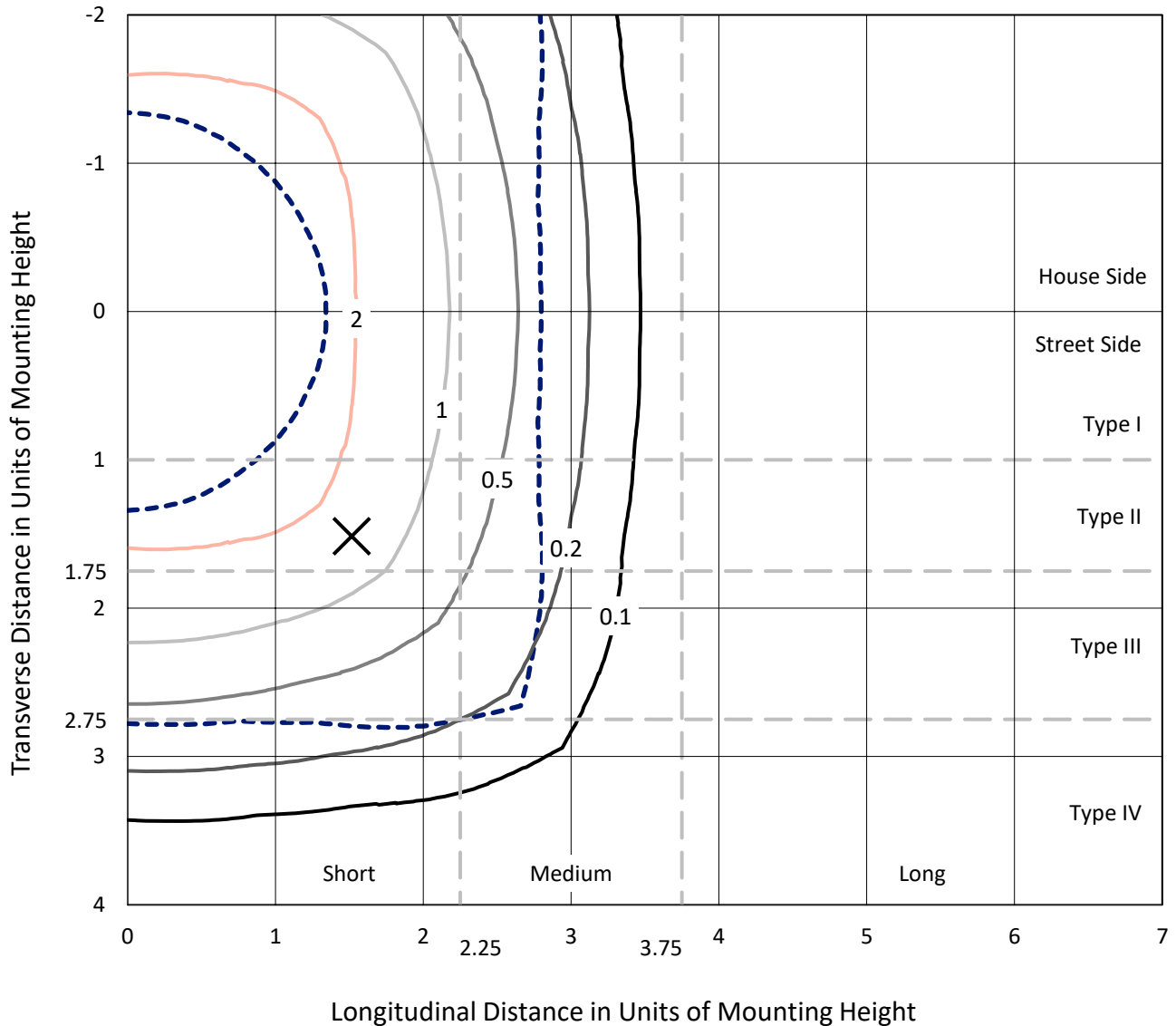
Lumens per Lamp: N/A
Luminaire Lumens: 26862.2 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 217.6
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

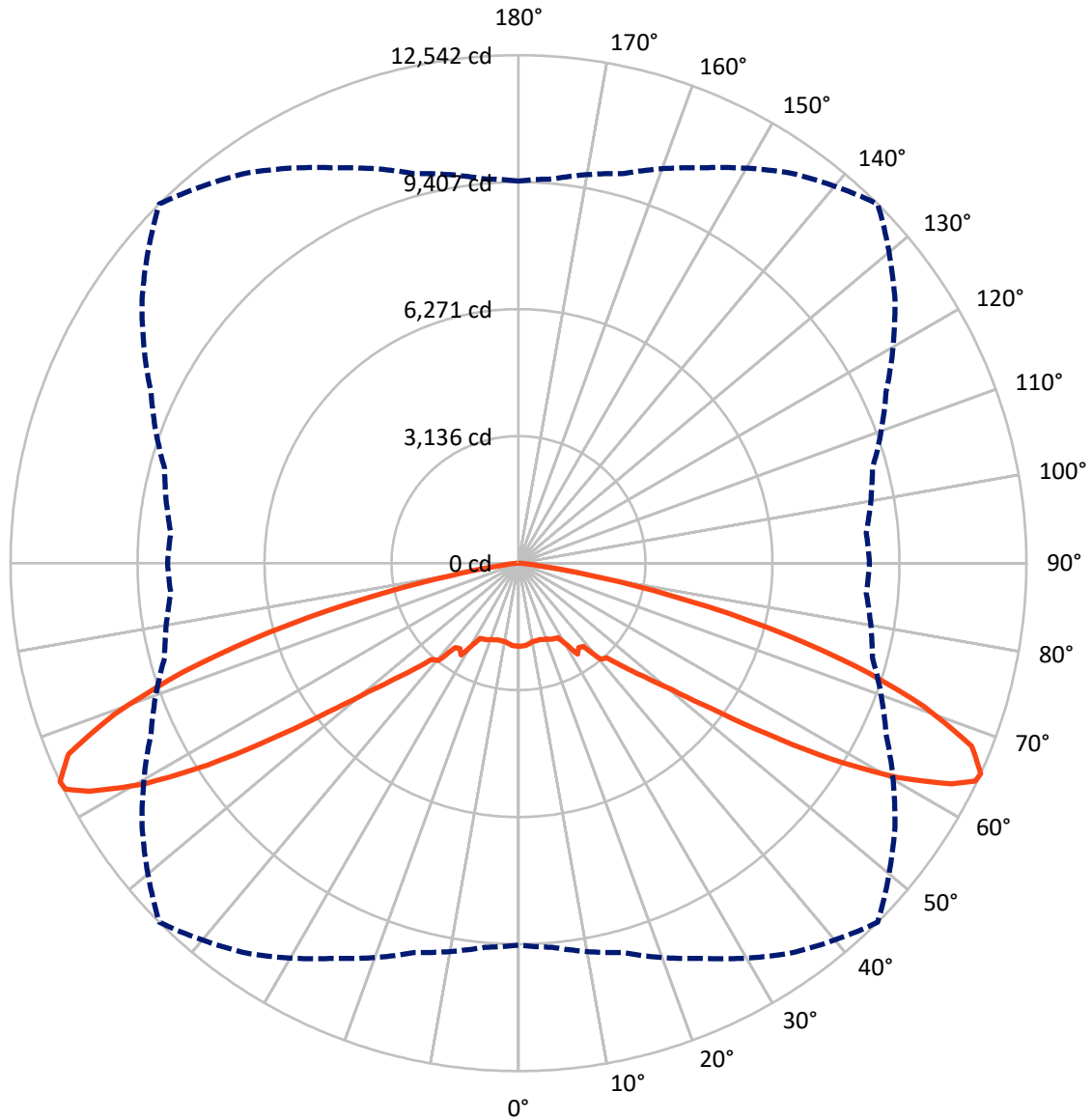
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13431.1	0.0	13431.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13431.1	0.0	13431.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	26862.2	0.0	26862.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.7	0.7
10°-20°	566.1	2.1
20°-30°	980.0	3.6
30°-40°	1629.5	6.1
40°-50°	2939.8	10.9
50°-60°	6549.0	24.4
60°-70°	9760.1	36.3
70°-80°	4044.7	15.1
80°-90°	200.3	0.7
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°	26862.2	100.0
0°-180°	26862.2	100.0

Coefficient of Utilization



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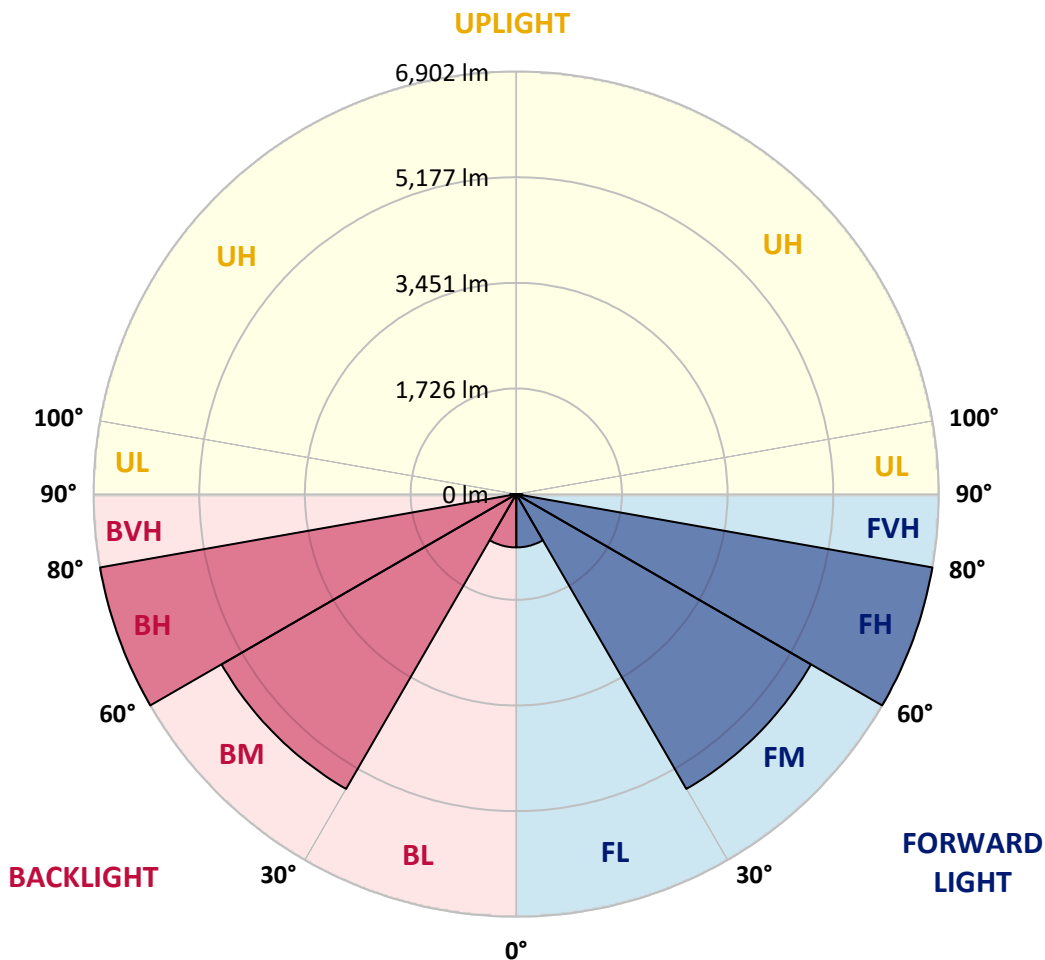
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	869.4	3.2			
FM (30°-60°)	5559.1	20.7			
FH (60°-80°)	6902.4	25.7			G3/7500
FVH (80°-90°)	100.2	0.4			G2/225
BL (0°-30°)	869.4	3.2	B2/1000		
BM (30°-60°)	5559.1	20.7	B4/8500		
BH (60°-80°)	6902.4	25.7	B5		G3/7500
BVH (80°-90°)	100.2	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2053.8	2053.8	2053.8	2053.8	2053.8	2053.8	2053.8	2053.8	2053.8	2053.8	2053.8
2.5°	2030.0	2036.0	2033.0	2033.0	2041.9	2047.8	2050.8	2080.5	2068.6	2077.5	2068.6
5°	2036.0	2036.0	2041.9	2036.0	2041.9	2036.0	2041.9	2033.0	2041.9	2047.8	2056.7
7.5°	2024.1	2018.2	2009.3	2009.3	2006.3	2000.4	1991.5	2015.2	2003.3	2012.2	2027.1
10°	2027.1	2018.2	1988.5	1994.4	1967.7	1967.7	1973.6	1973.6	2000.4	2030.0	2038.9
12.5°	2027.1	2009.3	2000.4	1961.8	1961.8	1964.7	1979.6	1985.5	2003.3	2015.2	2044.9
15°	2027.1	2018.2	2003.3	1952.9	1964.7	1958.8	1973.6	1973.6	2012.2	2033.0	2047.8
17.5°	2038.9	2044.9	2018.2	1970.7	1973.6	1985.5	1976.6	1985.5	2033.0	2047.8	2068.6
20°	2041.9	2018.2	2009.3	1979.6	2006.3	2000.4	1997.4	2015.2	2030.0	2056.7	2080.5
22.5°	2036.0	2044.9	2009.3	2006.3	2030.0	2041.9	2047.8	2027.1	2044.9	2062.7	2083.5
25°	2086.4	2053.8	2044.9	2038.9	2050.8	2062.7	2056.7	2074.6	2074.6	2095.3	2122.0
27.5°	2223.0	2225.9	2208.1	2136.9	2113.1	2086.4	2098.3	2145.8	2202.2	2246.7	2255.6
30°	2285.3	2297.1	2344.6	2332.8	2323.9	2332.8	2329.8	2341.7	2347.6	2350.6	2341.7
32.5°	2341.7	2335.7	2315.0	2368.4	2543.5	2677.0	2549.4	2374.3	2335.7	2323.9	2335.7
35°	2546.5	2546.5	2501.9	2433.7	2525.7	2558.3	2499.0	2415.9	2463.3	2561.3	2567.2
37.5°	2810.6	2772.0	2789.8	2780.9	2680.0	2608.8	2712.7	2766.1	2775.0	2772.0	2801.7
40°	2967.9	2941.2	2914.5	2962.0	3054.0	3119.3	3027.2	2899.6	2932.3	2997.6	2970.9
42.5°	3327.0	3258.7	3264.7	3217.2	3214.2	3193.5	3172.7	3181.6	3229.1	3303.3	3315.1
45°	3695.0	3727.7	3706.9	3617.9	3659.4	3659.4	3600.1	3644.6	3668.3	3754.4	3766.3
47.5°	4270.8	4256.0	4264.9	4184.7	4181.8	4202.5	4181.8	4184.7	4258.9	4253.0	4220.3
50°	4944.5	4986.1	4997.9	4959.3	4911.9	4903.0	4870.3	4911.9	4956.4	4959.3	4932.6
52.5°	5876.4	5920.9	5920.9	5932.8	5992.2	5962.5	5956.6	5959.5	5873.5	5814.1	5843.8
55°	7051.7	7066.5	7117.0	7220.9	7401.9	7425.7	7312.9	7262.4	7105.1	7010.2	7084.4
57.5°	8212.2	8271.5	8411.0	8681.1	8903.7	9147.0	8820.6	8488.2	8179.5	8028.1	8054.9
60°	9176.7	9262.8	9529.9	9906.8	10524.1	10746.7	10194.7	9624.9	8998.6	8535.7	8722.6
62.5°	9630.8	9764.4	9989.9	10752.7	11678.7	11999.2	11189.0	10153.2	9203.4	8758.2	8749.3
64°	9633.8	9654.6	10105.7	10927.8	11880.5	12500.8	11429.3	10153.2	9253.9	8704.8	8805.7
65°	9434.9	9521.0	9957.3	10767.5	11752.8	12542.3	11346.2	10013.7	9046.1	8618.8	8666.2
67.5°	8532.7	8529.7	8933.4	9737.7	11105.8	12070.4	10639.9	9233.1	8532.7	8069.7	8126.1
70°	6473.0	6576.8	6962.7	7951.0	9610.0	10642.9	9304.3	7847.1	6974.5	6603.6	6582.8
72.5°	3873.1	4009.6	4502.3	5707.3	7464.2	8719.7	7384.1	5805.2	4754.6	4166.9	4181.8
75°	1765.9	1866.8	2205.1	3187.5	4974.2	6375.0	5003.9	3356.7	2407.0	2033.0	1979.6
77.5°	495.6	558.0	744.9	1463.2	2730.5	3822.6	2807.6	1617.5	1050.6	872.6	854.8
80°	222.6	234.5	264.1	356.1	866.6	1685.8	1160.4	593.6	394.7	326.5	311.6
82.5°	121.7	130.6	172.1	184.0	246.3	448.2	382.9	279.0	237.4	189.9	184.0
85°	68.3	71.2	97.9	97.9	118.7	130.6	139.5	148.4	145.4	106.8	103.9
87.5°	20.8	23.7	29.7	29.7	29.7	29.7	47.5	65.3	71.2	50.5	50.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)