

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: P479622

Luminaire Tested: **IFLD-M-SA4D-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479622
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (64) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

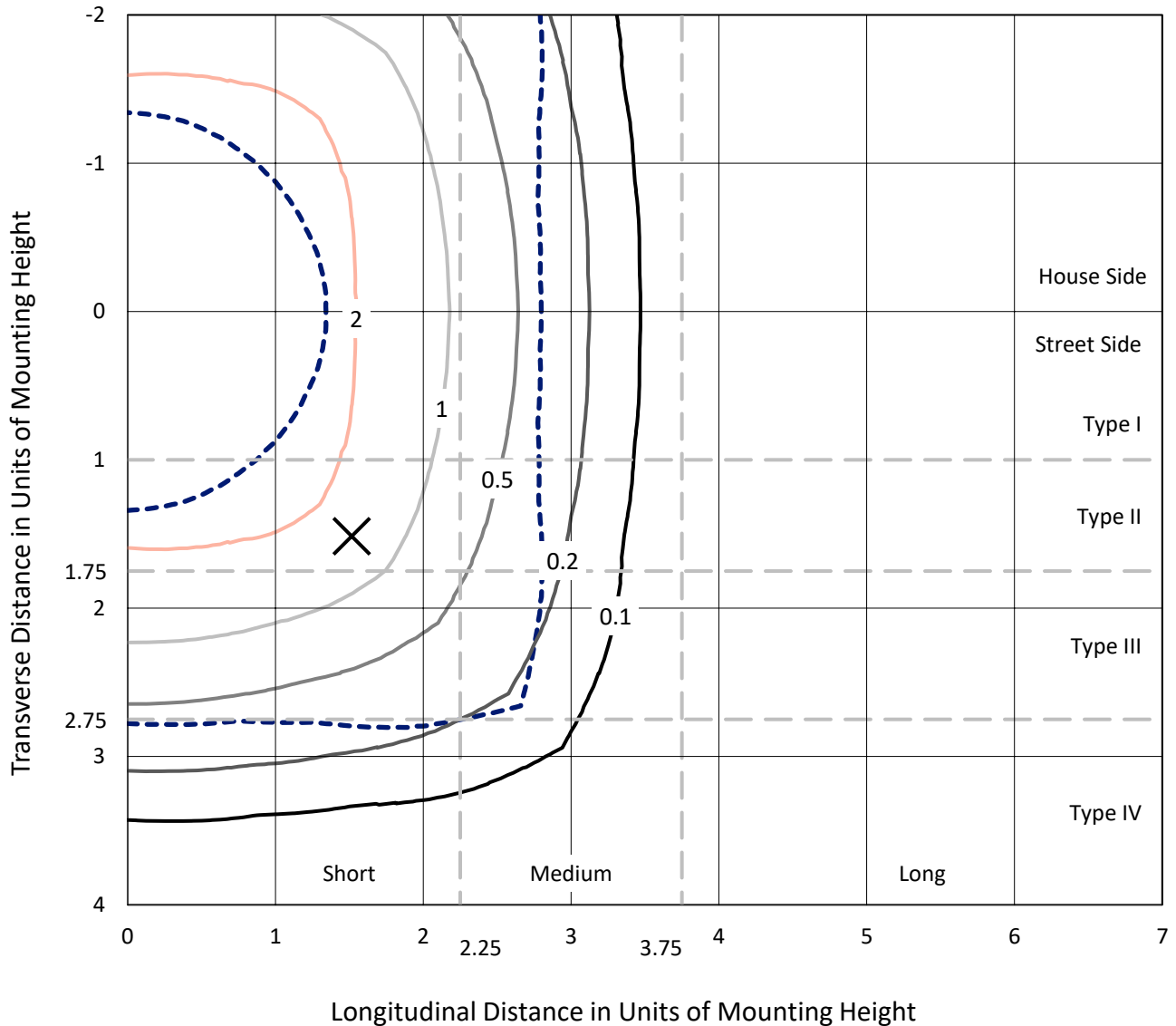
Lumens per Lamp: N/A
Luminaire Lumens: 26848 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 249.7
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

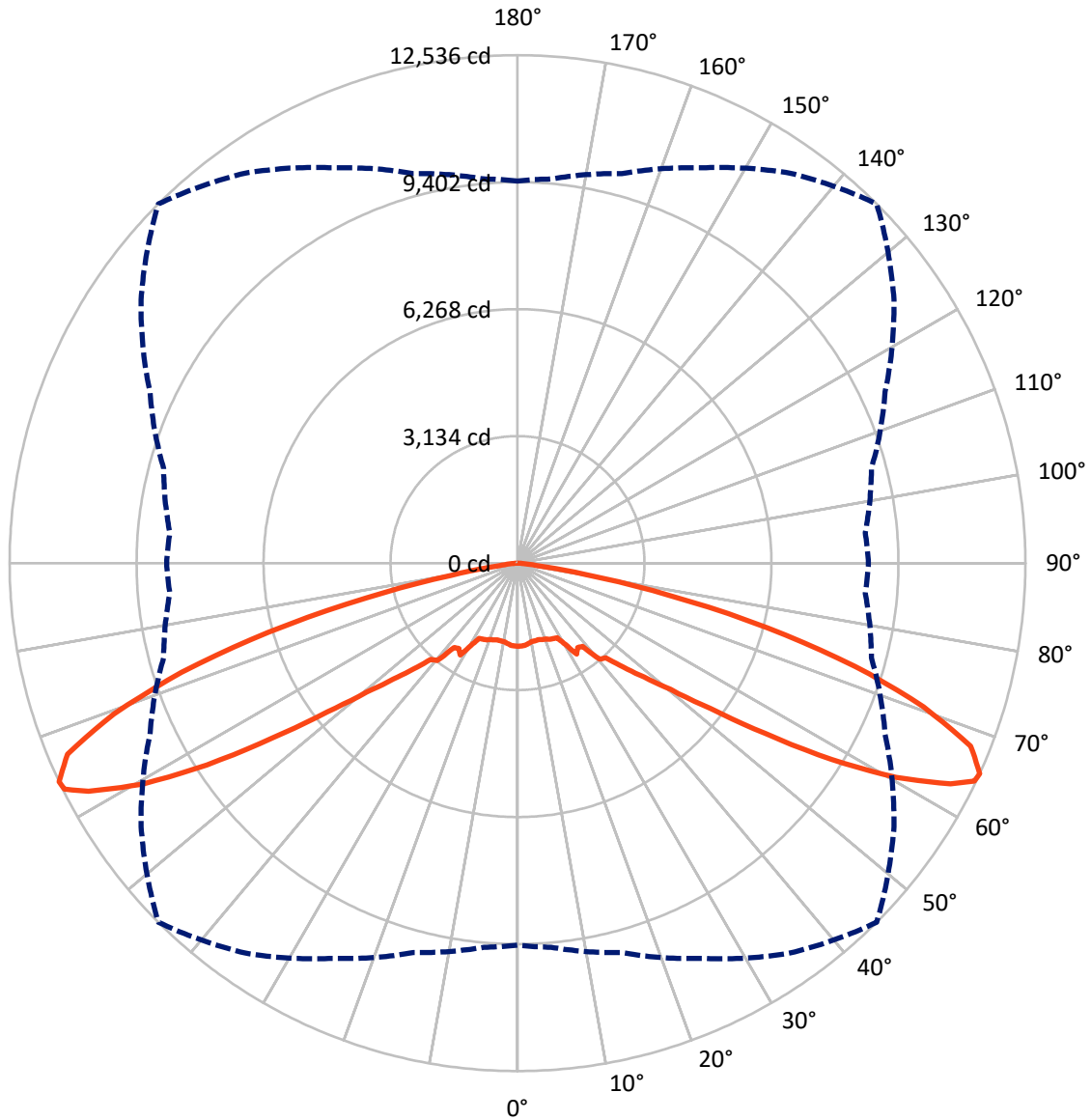
× Max cd
 - - - 1/2 Max cd



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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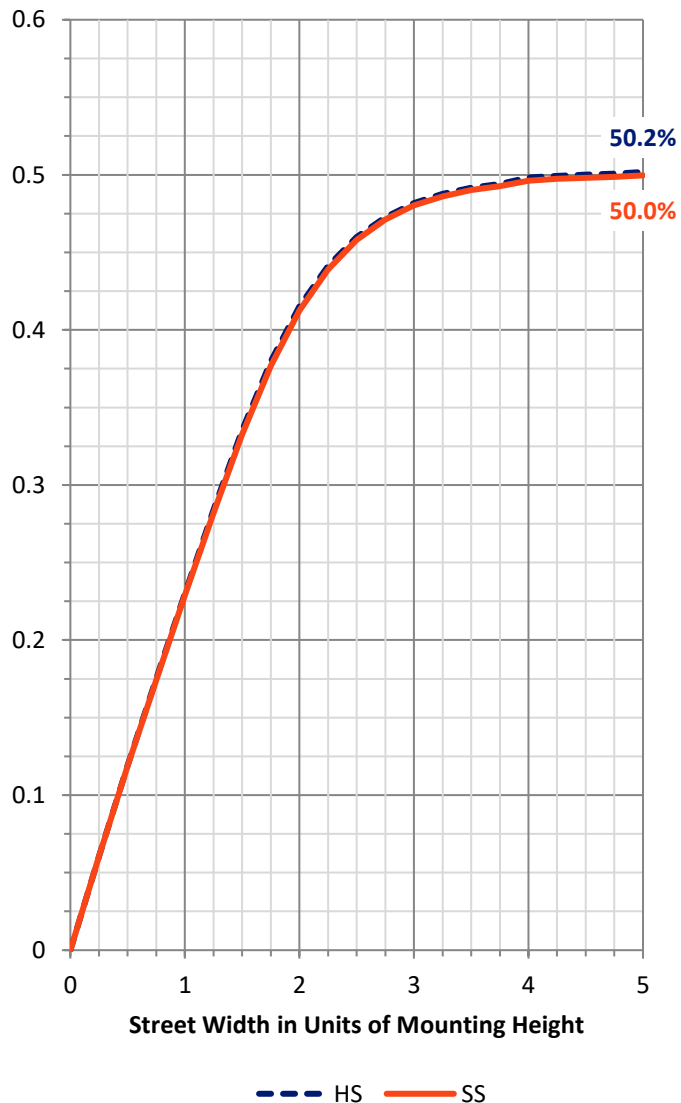
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13424.0	0.0	13424.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13424.0	0.0	13424.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26848.0	0.0	26848.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.6	0.7
10°-20°	565.8	2.1
20°-30°	979.4	3.6
30°-40°	1628.6	6.1
40°-50°	2938.3	10.9
50°-60°	6545.5	24.4
60°-70°	9754.9	36.3
70°-80°	4042.5	15.1
80°-90°	200.2	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°	26848.0	100.0
0°-180°	26848.0	100.0

Coefficient of Utilization



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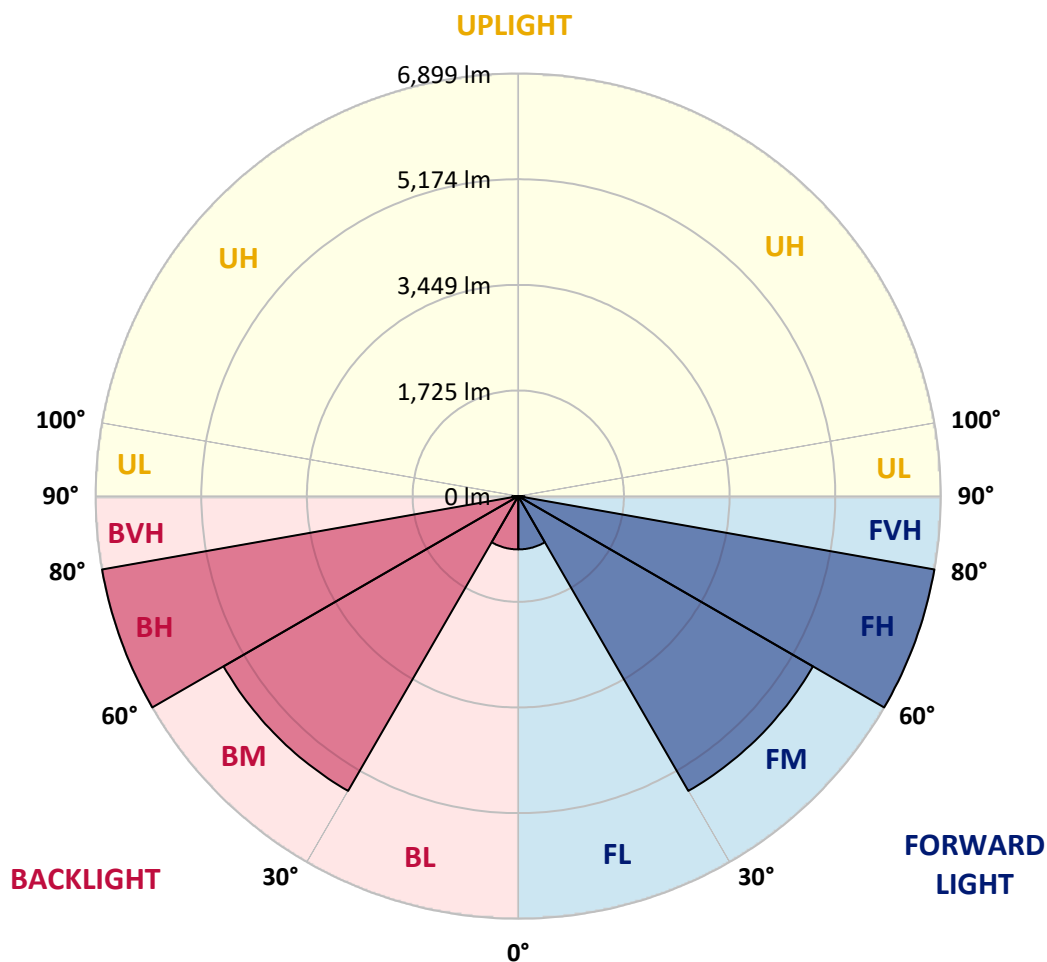
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	869.0	3.2			
FM (30°-60°)	5556.2	20.7			
FH (60°-80°)	6898.7	25.7			G3/7500
FVH (80°-90°)	100.1	0.4			G2/225
BL (0°-30°)	869.0	3.2	B2/1000		
BM (30°-60°)	5556.2	20.7	B4/8500		
BH (60°-80°)	6898.7	25.7	B5		G3/7500
BVH (80°-90°)	100.1	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°	2052.7	2052.7	2052.7	2052.7	2052.7	2052.7	2052.7	2052.7	2052.7	2052.7	2052.7
2.5°	2029.0	2034.9	2031.9	2031.9	2040.8	2046.8	2049.7	2079.4	2067.5	2076.4	2067.5
5°	2034.9	2034.9	2040.8	2034.9	2040.8	2034.9	2040.8	2031.9	2040.8	2046.8	2055.7
7.5°	2023.0	2017.1	2008.2	2008.2	2005.2	1999.3	1990.4	2014.1	2002.3	2011.2	2026.0
10°	2026.0	2017.1	1987.4	1993.4	1966.7	1966.7	1972.6	1972.6	1999.3	2029.0	2037.9
12.5°	2026.0	2008.2	1999.3	1960.7	1960.7	1963.7	1978.5	1984.5	2002.3	2014.1	2043.8
15°	2026.0	2017.1	2002.3	1951.8	1963.7	1957.8	1972.6	1972.6	2011.2	2031.9	2046.8
17.5°	2037.9	2043.8	2017.1	1969.6	1972.6	1984.5	1975.6	1984.5	2031.9	2046.8	2067.5
20°	2040.8	2017.1	2008.2	1978.5	2005.2	1999.3	1996.3	2014.1	2029.0	2055.7	2079.4
22.5°	2034.9	2043.8	2008.2	2005.2	2029.0	2040.8	2046.8	2026.0	2043.8	2061.6	2082.4
25°	2085.3	2052.7	2043.8	2037.9	2049.7	2061.6	2055.7	2073.5	2073.5	2094.2	2120.9
27.5°	2221.8	2224.7	2206.9	2135.7	2112.0	2085.3	2097.2	2144.6	2201.0	2245.5	2254.4
30°	2284.1	2295.9	2343.4	2331.5	2322.6	2331.5	2328.6	2340.4	2346.4	2349.3	2340.4
32.5°	2340.4	2334.5	2313.7	2367.1	2542.1	2675.6	2548.1	2373.1	2334.5	2322.6	2334.5
35°	2545.1	2545.1	2500.6	2432.4	2524.3	2557.0	2497.6	2414.6	2462.0	2559.9	2565.9
37.5°	2809.1	2770.5	2788.3	2779.4	2678.6	2607.4	2711.2	2764.6	2773.5	2770.5	2800.2
40°	2966.3	2939.6	2912.9	2960.4	3052.3	3117.6	3025.6	2898.1	2930.7	2996.0	2969.3
42.5°	3325.2	3257.0	3262.9	3215.5	3212.5	3191.8	3171.0	3179.9	3227.4	3301.5	3313.4
45°	3693.1	3725.7	3704.9	3615.9	3657.5	3657.5	3598.1	3642.6	3666.4	3752.4	3764.3
47.5°	4268.5	4253.7	4262.6	4182.5	4179.5	4200.3	4179.5	4182.5	4256.7	4250.7	4218.1
50°	4941.9	4983.4	4995.3	4956.7	4909.3	4900.4	4867.7	4909.3	4953.8	4956.7	4930.0
52.5°	5873.3	5917.8	5917.8	5929.7	5989.0	5959.3	5953.4	5956.4	5870.3	5811.0	5840.7
55°	7048.0	7062.8	7113.2	7217.1	7398.0	7421.7	7309.0	7258.6	7101.4	7006.4	7080.6
57.5°	8207.8	8267.1	8406.5	8676.5	8899.0	9142.2	8815.9	8483.7	8175.2	8023.9	8050.6
60°	9171.9	9257.9	9524.8	9901.6	10518.6	10741.0	10189.3	9619.8	8993.9	8531.1	8718.0
62.5°	9625.7	9759.2	9984.6	10747.0	11672.5	11992.8	11183.0	10147.8	9198.6	8753.6	8744.7
64°	9628.7	9649.4	10100.3	10922.0	11874.2	12494.1	11423.3	10147.8	9249.0	8700.2	8801.1
65°	9429.9	9515.9	9952.0	10761.8	11746.6	12535.7	11340.2	10008.4	9041.3	8614.2	8661.6
67.5°	8528.2	8525.2	8928.6	9732.5	11100.0	12064.0	10634.2	9228.2	8528.2	8065.4	8121.8
70°	6469.5	6573.4	6959.0	7946.8	9604.9	10637.2	9299.4	7842.9	6970.8	6600.1	6579.3
72.5°	3871.0	4007.5	4499.9	5704.2	7460.3	8715.0	7380.2	5802.1	4752.0	4164.7	4179.5
75°	1765.0	1865.8	2204.0	3185.8	4971.5	6371.7	5001.2	3354.9	2405.7	2031.9	1978.5
77.5°	495.4	557.7	744.5	1462.4	2729.0	3820.6	2806.1	1616.6	1050.1	872.1	854.3
80°	222.5	234.3	264.0	356.0	866.2	1684.9	1159.8	593.3	394.5	326.3	311.5
82.5°	121.6	130.5	172.0	183.9	246.2	447.9	382.7	278.8	237.3	189.8	183.9
85°	68.2	71.2	97.9	97.9	118.7	130.5	139.4	148.3	145.3	106.8	103.8
87.5°	20.8	23.7	29.7	29.7	29.7	29.7	47.5	65.3	71.2	50.4	50.4
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)