

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: P479584

Luminaire Tested: **IFLD-M-SA4E-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479584
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (64) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

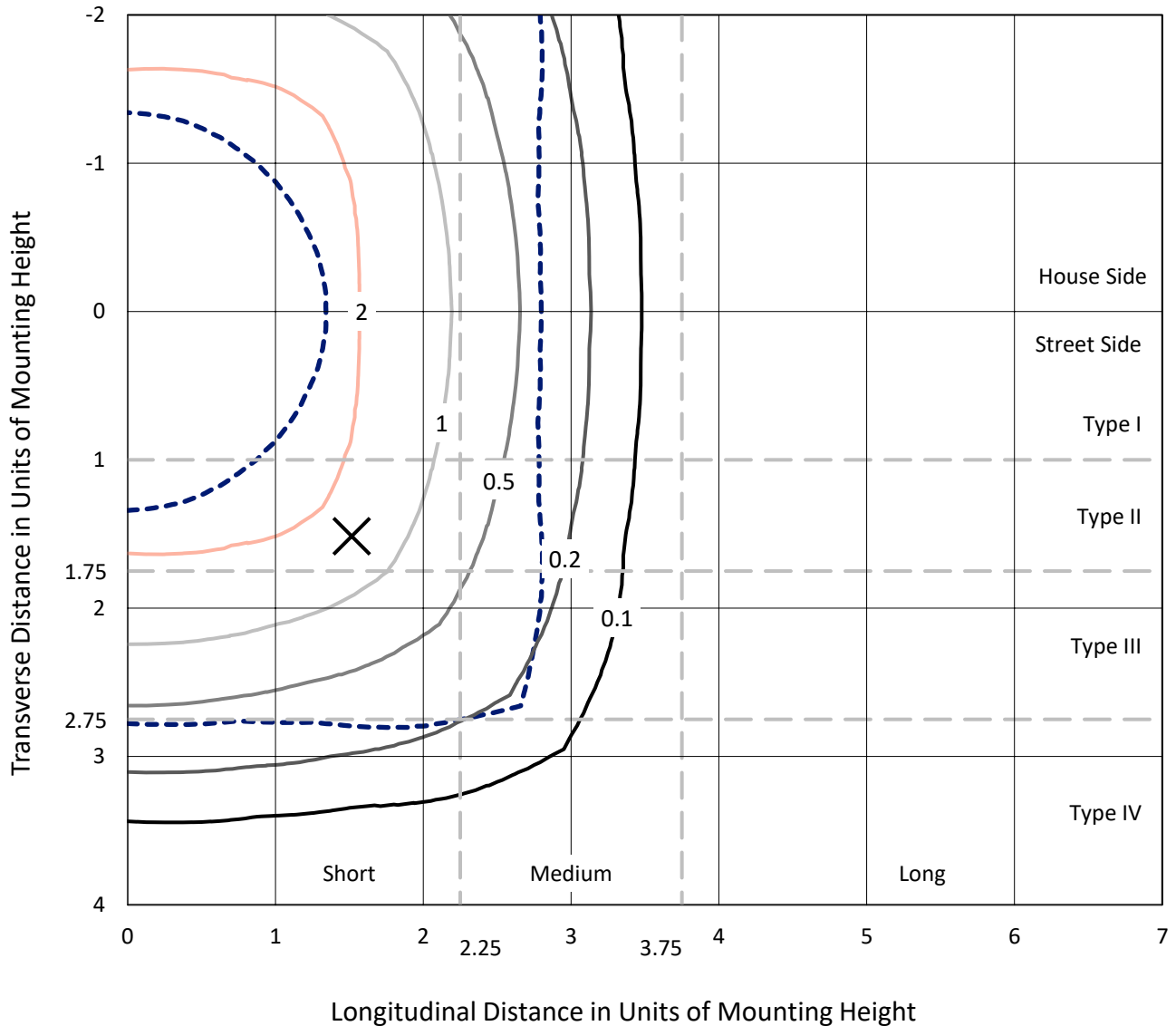
Lumens per Lamp: N/A
Luminaire Lumens: 27366.8 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 314.8
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

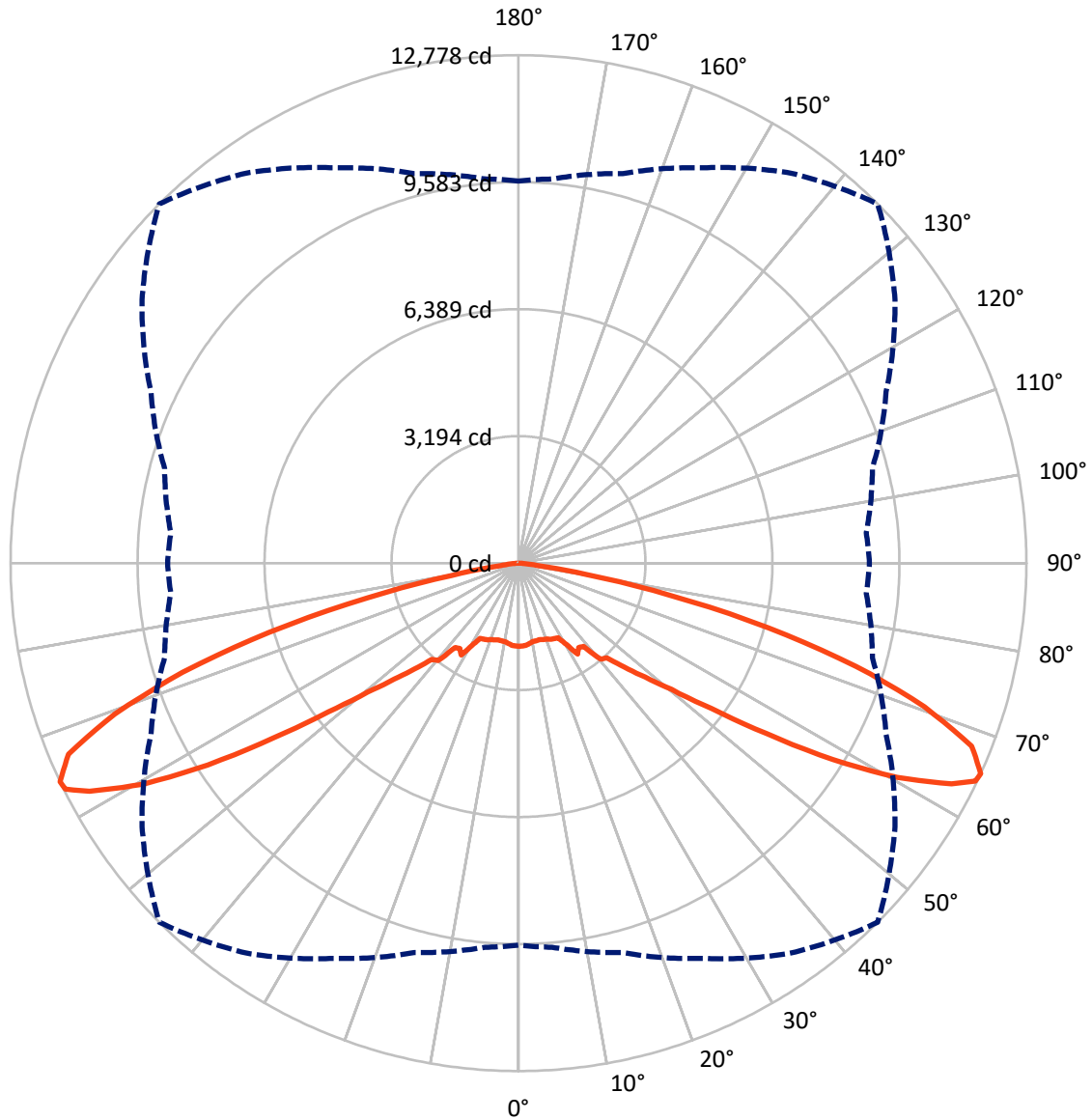
× Max cd
 - - - 1/2 Max cd



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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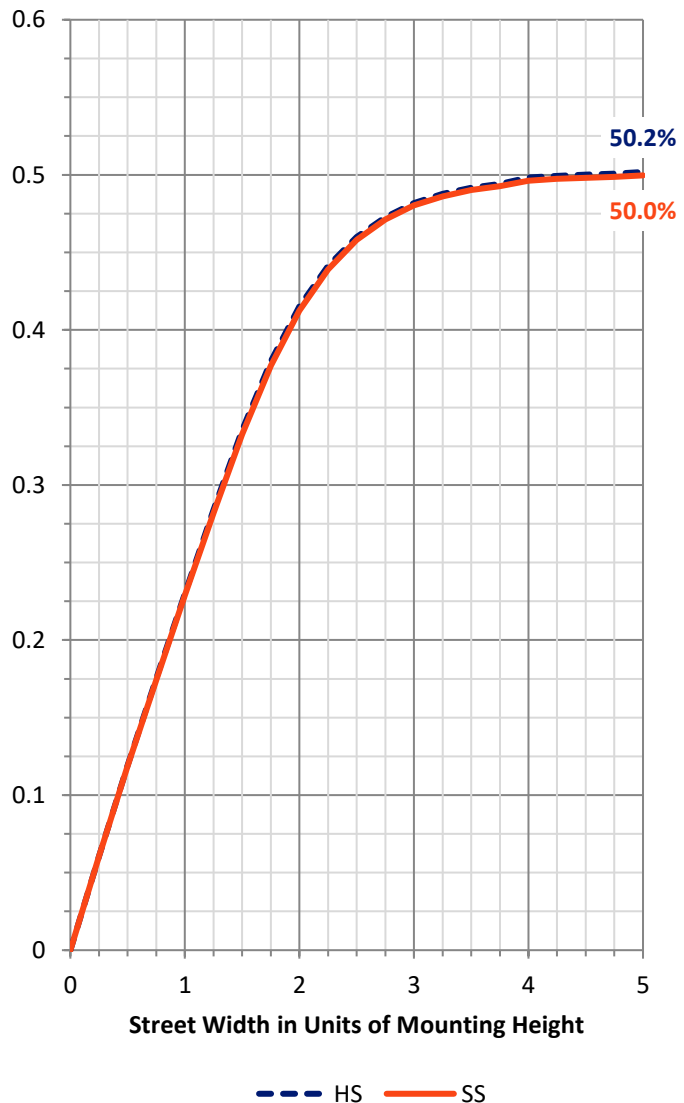
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13683.4	0.0	13683.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13683.4	0.0	13683.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	27366.8	0.0	27366.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.4	0.7
10°-20°	576.8	2.1
20°-30°	998.4	3.6
30°-40°	1660.1	6.1
40°-50°	2995.0	10.9
50°-60°	6672.0	24.4
60°-70°	9943.4	36.3
70°-80°	4120.7	15.1
80°-90°	204.1	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°	27366.8	100.0
0°-180°	27366.8	100.0

Coefficient of Utilization



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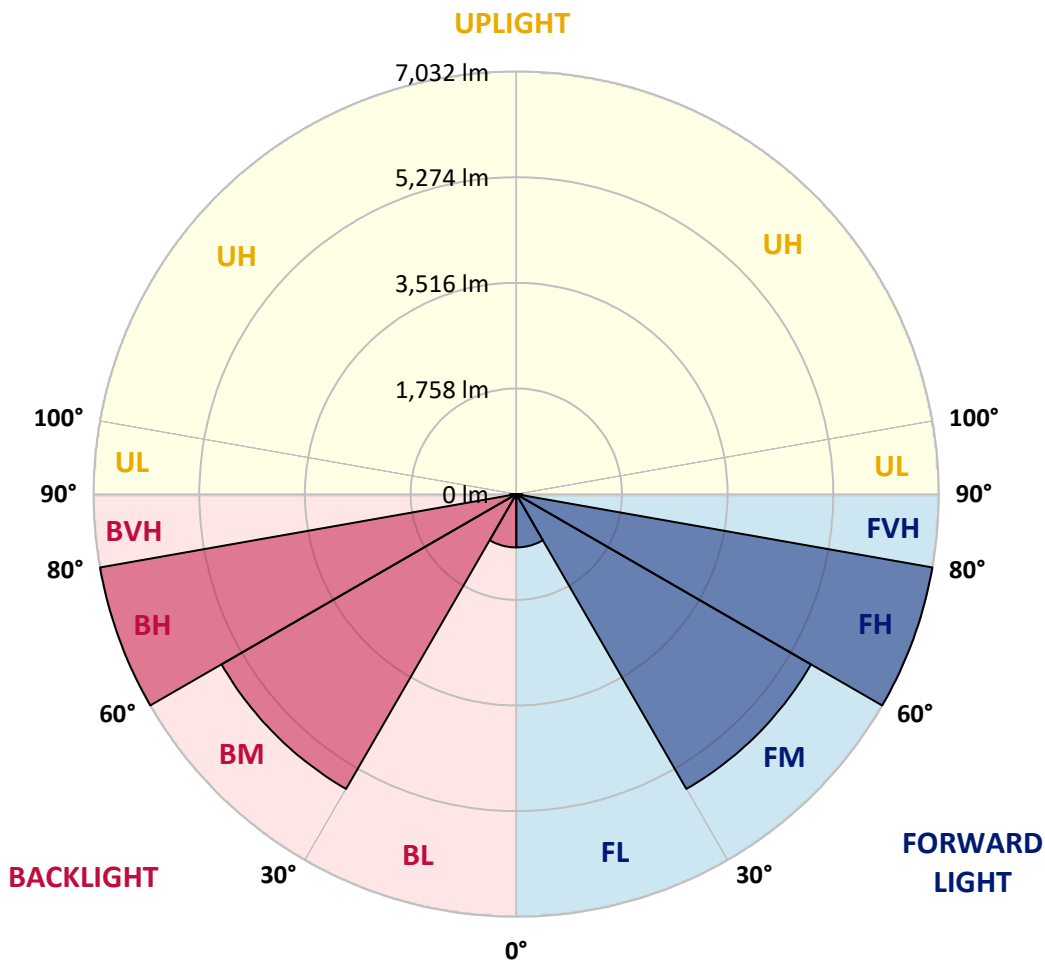
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	885.8	3.2			
FM (30°-60°)	5663.6	20.7			
FH (60°-80°)	7032.0	25.7			G3/7500
FVH (80°-90°)	102.0	0.4			G2/225
BL (0°-30°)	885.8	3.2	B2/1000		
BM (30°-60°)	5663.6	20.7	B4/8500		
BH (60°-80°)	7032.0	25.7	B5		G3/7500
BVH (80°-90°)	102.0	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°	2092.4	2092.4	2092.4	2092.4	2092.4	2092.4	2092.4	2092.4	2092.4	2092.4	2092.4
2.5°	2068.2	2074.2	2071.2	2071.2	2080.3	2086.3	2089.3	2119.6	2107.5	2116.5	2107.5
5°	2074.2	2074.2	2080.3	2074.2	2080.3	2074.2	2080.3	2071.2	2080.3	2086.3	2095.4
7.5°	2062.1	2056.1	2047.0	2047.0	2044.0	2037.9	2028.9	2053.0	2041.0	2050.0	2065.1
10°	2065.1	2056.1	2025.8	2031.9	2004.7	2004.7	2010.7	2010.7	2037.9	2068.2	2077.2
12.5°	2065.1	2047.0	2037.9	1998.6	1998.6	2001.6	2016.8	2022.8	2041.0	2053.0	2083.3
15°	2065.1	2056.1	2041.0	1989.6	2001.6	1995.6	2010.7	2010.7	2050.0	2071.2	2086.3
17.5°	2077.2	2083.3	2056.1	2007.7	2010.7	2022.8	2013.7	2022.8	2071.2	2086.3	2107.5
20°	2080.3	2056.1	2047.0	2016.8	2044.0	2037.9	2034.9	2053.0	2068.2	2095.4	2119.6
22.5°	2074.2	2083.3	2047.0	2044.0	2068.2	2080.3	2086.3	2065.1	2083.3	2101.4	2122.6
25°	2125.6	2092.4	2083.3	2077.2	2089.3	2101.4	2095.4	2113.5	2113.5	2134.7	2161.9
27.5°	2264.7	2267.7	2249.6	2177.0	2152.8	2125.6	2137.7	2186.1	2243.5	2288.9	2298.0
30°	2328.2	2340.3	2388.7	2376.6	2367.5	2376.6	2373.6	2385.6	2391.7	2394.7	2385.6
32.5°	2385.6	2379.6	2358.4	2412.9	2591.3	2727.3	2597.3	2418.9	2379.6	2367.5	2379.6
35°	2594.3	2594.3	2548.9	2479.4	2573.1	2606.4	2545.9	2461.2	2509.6	2609.4	2615.4
37.5°	2863.4	2824.1	2842.2	2833.1	2730.3	2657.8	2763.6	2818.0	2827.1	2824.1	2854.3
40°	3023.6	2996.4	2969.2	3017.6	3111.3	3177.8	3084.1	2954.1	2987.4	3053.9	3026.7
42.5°	3389.5	3320.0	3326.0	3277.6	3274.6	3253.4	3232.3	3241.3	3289.7	3365.3	3377.4
45°	3764.4	3797.7	3776.5	3685.8	3728.1	3728.1	3667.7	3713.0	3737.2	3824.9	3837.0
47.5°	4351.0	4335.9	4345.0	4263.3	4260.3	4281.5	4260.3	4263.3	4338.9	4332.9	4299.6
50°	5037.4	5079.7	5091.8	5052.5	5004.1	4995.0	4961.8	5004.1	5049.5	5052.5	5025.3
52.5°	5986.8	6032.2	6032.2	6044.3	6104.7	6074.5	6068.4	6071.5	5983.8	5923.3	5953.5
55°	7184.2	7199.3	7250.7	7356.5	7541.0	7565.1	7450.2	7398.8	7238.6	7141.8	7217.4
57.5°	8366.4	8426.9	8569.0	8844.1	9070.9	9318.8	8986.2	8647.6	8333.1	8178.9	8206.2
60°	9349.1	9436.8	9708.9	10092.9	10721.8	10948.6	10386.2	9805.7	9167.7	8696.0	8886.5
62.5°	9811.7	9947.8	10177.6	10954.6	11898.0	12224.6	11399.1	10343.9	9376.3	8922.8	8913.7
64°	9814.7	9835.9	10295.5	11133.0	12103.6	12735.6	11644.0	10343.9	9427.7	8868.3	8971.1
65°	9612.1	9699.8	10144.3	10969.8	11973.6	12777.9	11559.4	10201.8	9216.0	8780.6	8829.0
67.5°	8693.0	8689.9	9101.1	9920.6	11314.4	12297.1	10839.7	9406.5	8693.0	8221.3	8278.7
70°	6594.6	6700.4	7093.5	8100.3	9790.5	10842.8	9479.1	7994.5	7105.5	6727.6	6706.4
72.5°	3945.8	4084.9	4586.9	5814.5	7604.4	8883.4	7522.8	5914.2	4843.9	4245.2	4260.3
75°	1799.1	1901.9	2246.6	3247.4	5067.6	6494.8	5097.9	3419.7	2452.2	2071.2	2016.8
77.5°	504.9	568.4	758.9	1490.7	2781.7	3894.4	2860.4	1647.9	1070.4	888.9	870.8
80°	226.8	238.9	269.1	362.8	882.9	1717.4	1182.2	604.7	402.1	332.6	317.5
82.5°	124.0	133.0	175.4	187.5	251.0	456.6	390.0	284.2	241.9	193.5	187.5
85°	69.5	72.6	99.8	99.8	120.9	133.0	142.1	151.2	148.2	108.9	105.8
87.5°	21.2	24.2	30.2	30.2	30.2	30.2	48.4	66.5	72.6	51.4	51.4
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)