

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: P479757

Luminaire Tested: **IFLD-S-SA3C-750-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479757
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-750-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

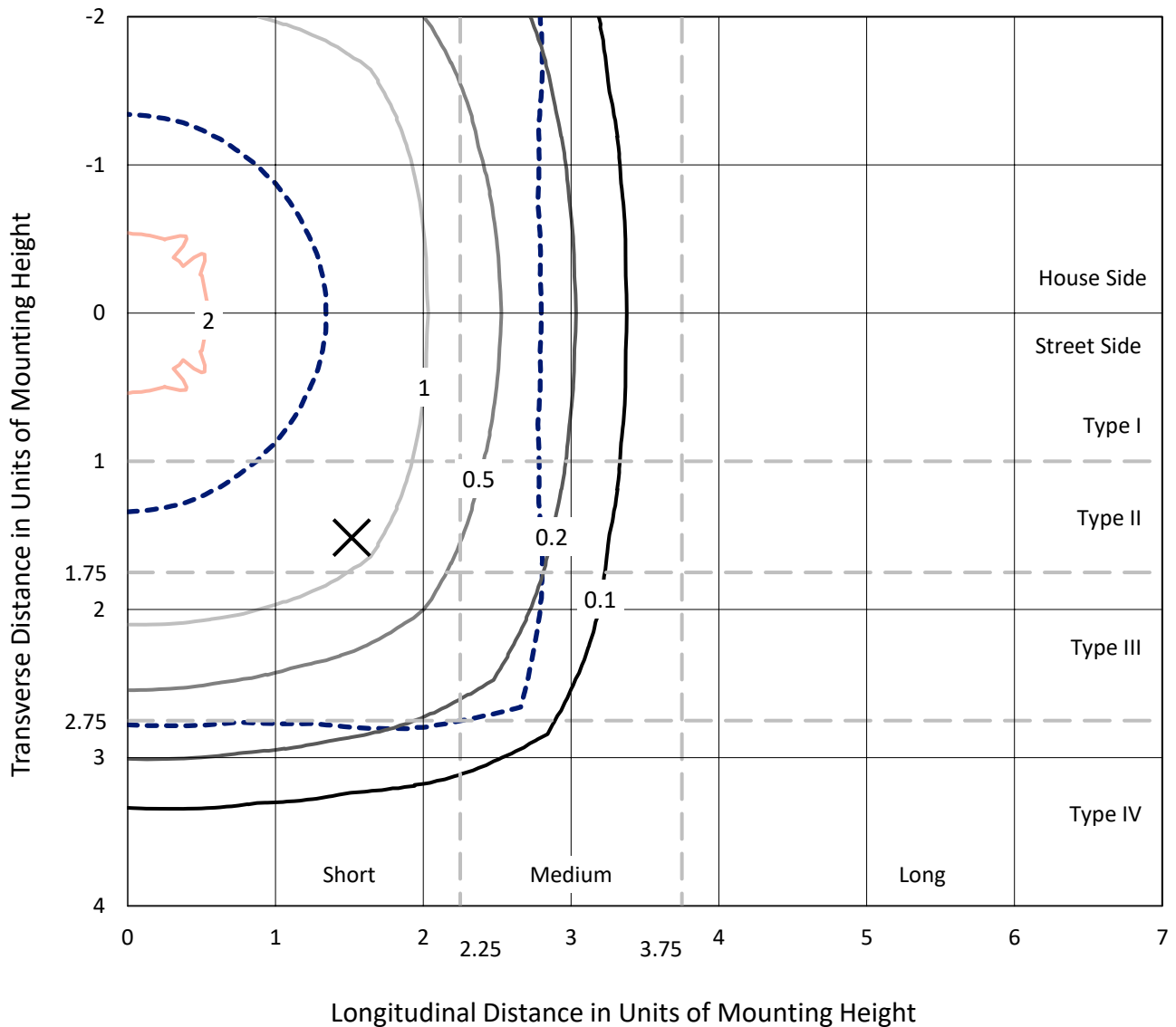
Lumens per Lamp: N/A
Luminaire Lumens: 22234.5 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 160.8
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

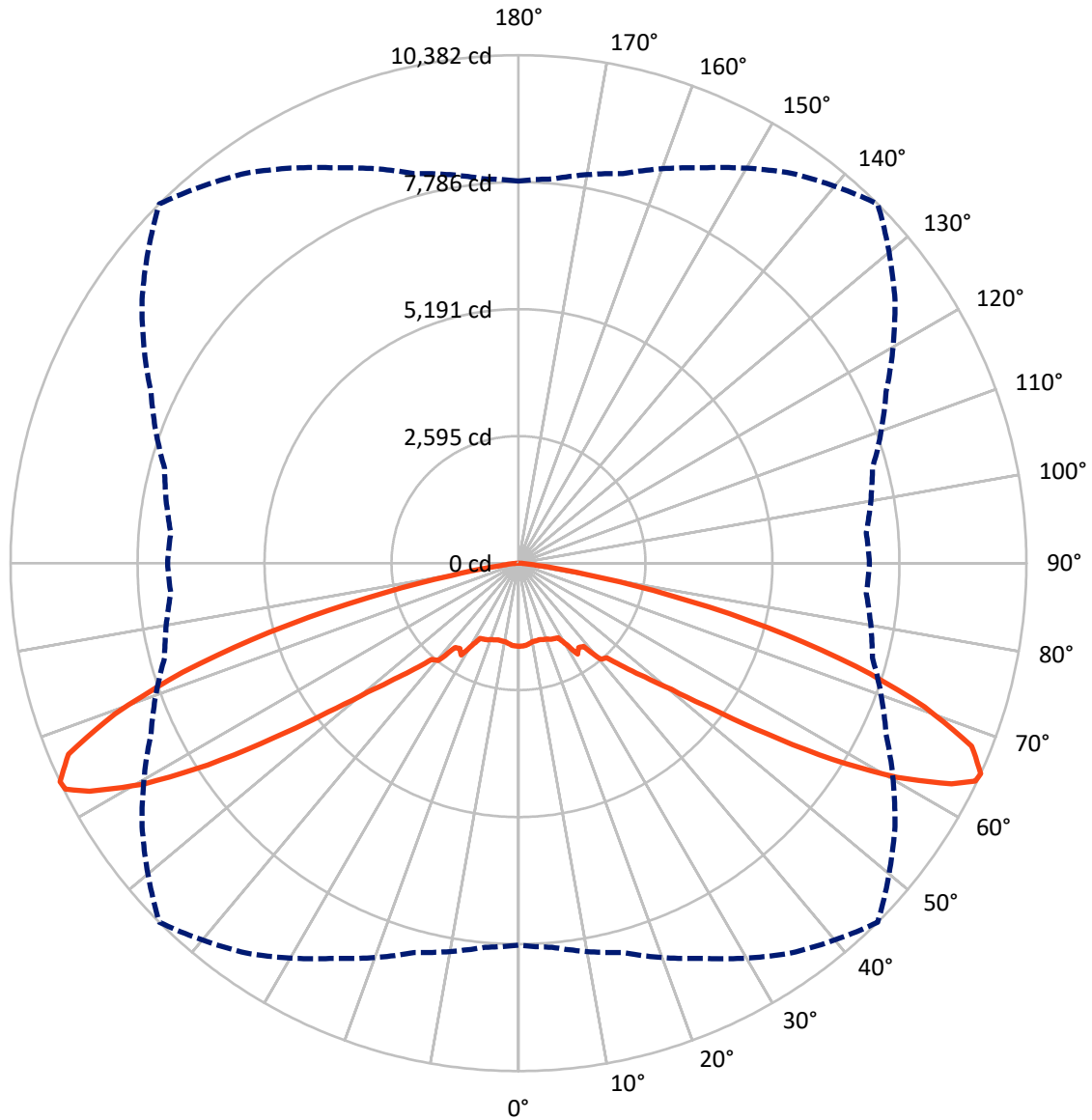
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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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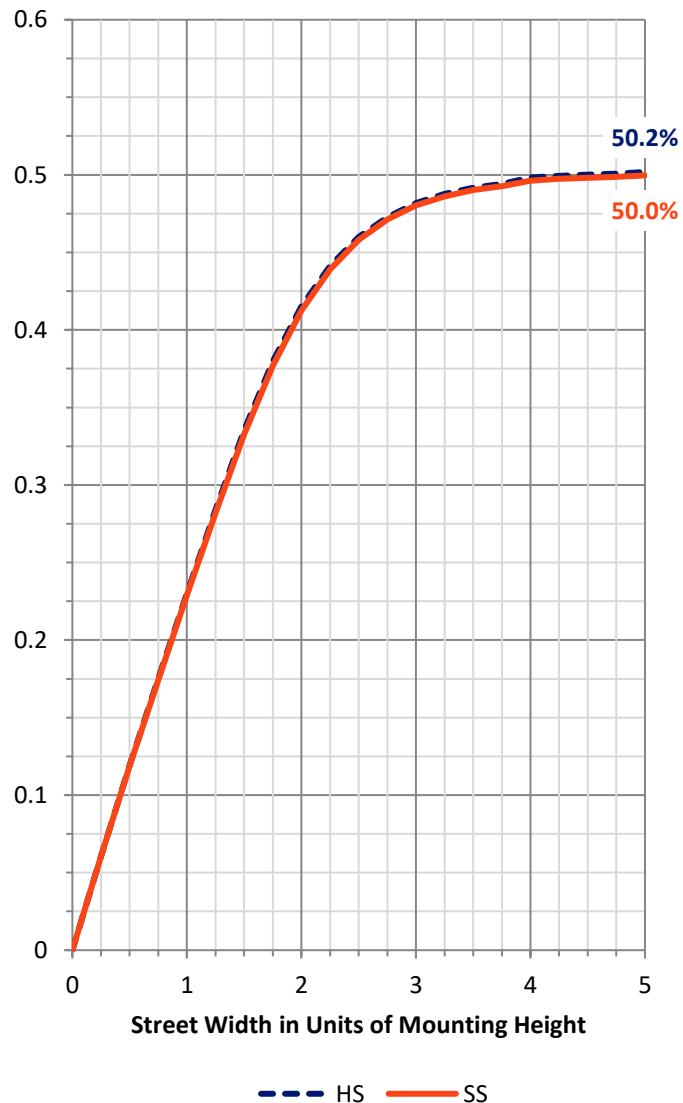
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11117.3	0.0	11117.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11117.3	0.0	11117.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	22234.5	0.0	22234.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	0.7
10°-20°	468.6	2.1
20°-30°	811.1	3.6
30°-40°	1348.8	6.1
40°-50°	2433.4	10.9
50°-60°	5420.7	24.4
60°-70°	8078.7	36.3
70°-80°	3347.9	15.1
80°-90°	165.8	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°	22234.5	100.0
0°-180°	22234.5	100.0

Coefficient of Utilization



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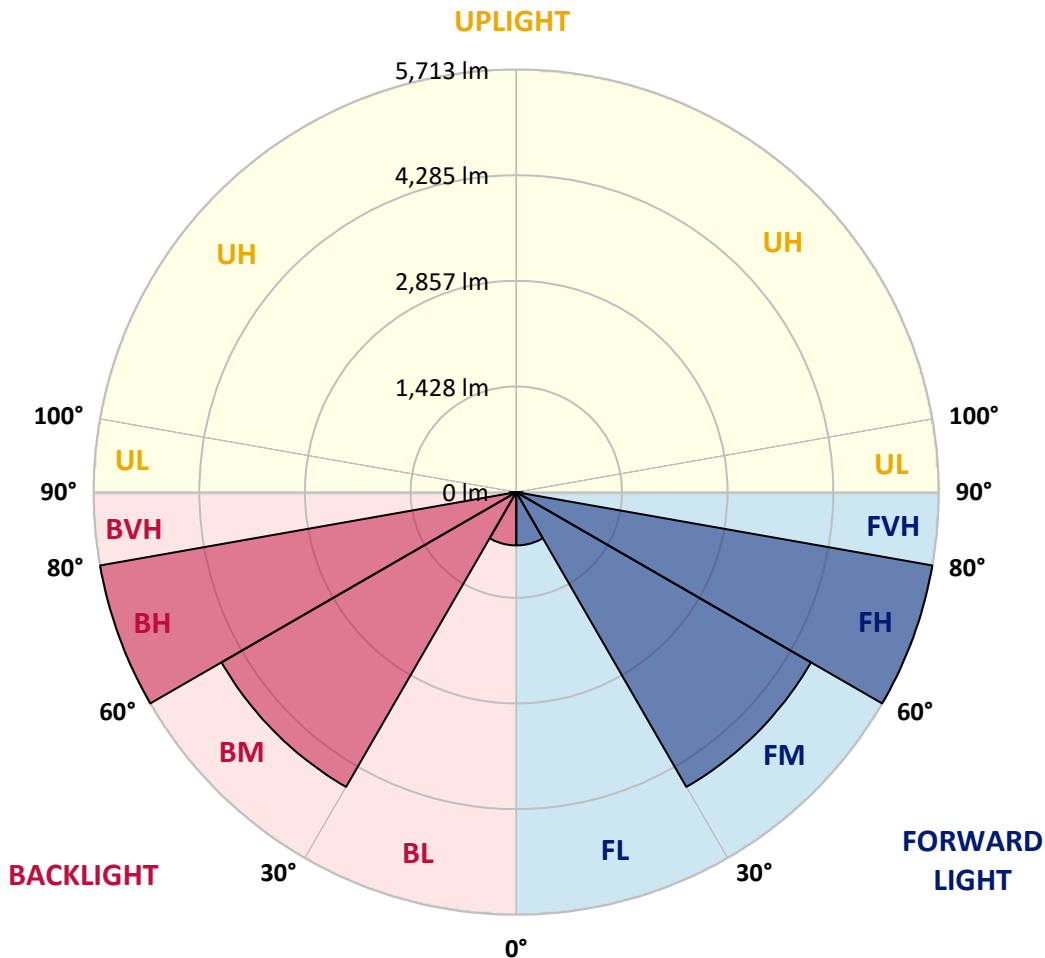
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	719.6	3.2			
FM (30°-60°)	4601.4	20.7			
FH (60°-80°)	5713.3	25.7			G3/7500
FVH (80°-90°)	82.9	0.4			G1/100
BL (0°-30°)	719.6	3.2	B2/1000		
BM (30°-60°)	4601.4	20.7	B3/5000		
BH (60°-80°)	5713.3	25.7	B5		G3/7500
BVH (80°-90°)	82.9	0.4			G1/100
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°	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	1680.3	1685.2	1682.8	1682.8	1690.1	1695.1	1697.5	1722.1	1712.2	1719.6	1712.2
5°	1685.2	1685.2	1690.1	1685.2	1690.1	1685.2	1690.1	1682.8	1690.1	1695.1	1702.4
7.5°	1675.4	1670.5	1663.1	1663.1	1660.7	1655.7	1648.4	1668.0	1658.2	1665.6	1677.9
10°	1677.9	1670.5	1645.9	1650.8	1628.7	1628.7	1633.6	1633.6	1655.7	1680.3	1687.7
12.5°	1677.9	1663.1	1655.7	1623.8	1623.8	1626.3	1638.6	1643.5	1658.2	1668.0	1692.6
15°	1677.9	1670.5	1658.2	1616.4	1626.3	1621.4	1633.6	1633.6	1665.6	1682.8	1695.1
17.5°	1687.7	1692.6	1670.5	1631.2	1633.6	1643.5	1636.1	1643.5	1682.8	1695.1	1712.2
20°	1690.1	1670.5	1663.1	1638.6	1660.7	1655.7	1653.3	1668.0	1680.3	1702.4	1722.1
22.5°	1685.2	1692.6	1663.1	1660.7	1680.3	1690.1	1695.1	1677.9	1692.6	1707.3	1724.5
25°	1727.0	1700.0	1692.6	1687.7	1697.5	1707.3	1702.4	1717.2	1717.2	1734.4	1756.5
27.5°	1840.0	1842.4	1827.7	1768.8	1749.1	1727.0	1736.8	1776.1	1822.8	1859.6	1867.0
30°	1891.6	1901.4	1940.7	1930.9	1923.5	1930.9	1928.4	1938.3	1943.2	1945.6	1938.3
32.5°	1938.3	1933.3	1916.1	1960.4	2105.3	2215.9	2110.2	1965.3	1933.3	1923.5	1933.3
35°	2107.8	2107.8	2070.9	2014.4	2090.6	2117.6	2068.5	1999.7	2039.0	2120.0	2125.0
37.5°	2326.4	2294.5	2309.2	2301.8	2218.3	2159.3	2245.3	2289.5	2296.9	2294.5	2319.0
40°	2456.6	2434.5	2412.4	2451.7	2527.8	2581.9	2505.7	2400.1	2427.1	2481.2	2459.1
42.5°	2753.8	2697.3	2702.3	2663.0	2660.5	2643.3	2626.1	2633.5	2672.8	2734.2	2744.0
45°	3058.5	3085.5	3068.3	2994.6	3029.0	3029.0	2979.9	3016.7	3036.4	3107.6	3117.4
47.5°	3535.0	3522.8	3530.1	3463.8	3461.3	3478.5	3461.3	3463.8	3525.2	3520.3	3493.3
50°	4092.7	4127.1	4136.9	4105.0	4065.7	4058.3	4031.3	4065.7	4102.5	4105.0	4082.9
52.5°	4864.1	4900.9	4900.9	4910.7	4959.9	4935.3	4930.4	4932.8	4861.6	4812.5	4837.0
55°	5836.9	5849.2	5890.9	5976.9	6126.8	6146.4	6053.1	6011.3	5881.1	5802.5	5863.9
57.5°	6797.4	6846.5	6962.0	7185.5	7369.8	7571.2	7301.0	7025.9	6770.4	6645.1	6667.2
60°	7595.8	7667.0	7888.1	8200.1	8711.1	8895.3	8438.4	7966.7	7448.4	7065.2	7219.9
62.5°	7971.7	8082.2	8268.9	8900.3	9666.7	9932.0	9261.4	8404.0	7617.9	7249.4	7242.0
64°	7974.1	7991.3	8364.7	9045.2	9833.8	10347.2	9460.4	8404.0	7659.7	7205.2	7288.7
65°	7809.5	7880.8	8241.9	8912.5	9728.1	10381.6	9391.6	8288.6	7487.7	7134.0	7173.3
67.5°	7062.7	7060.3	7394.4	8060.1	9192.6	9991.0	8806.9	7642.5	7062.7	6679.5	6726.2
70°	5357.8	5443.8	5763.2	6581.2	7954.5	8809.4	7701.4	6495.2	5773.0	5465.9	5448.7
72.5°	3205.9	3318.9	3726.7	4724.0	6178.3	7217.5	6112.0	4805.1	3935.5	3449.1	3461.3
75°	1461.7	1545.2	1825.3	2638.4	4117.3	5276.8	4141.8	2778.4	1992.3	1682.8	1638.6
77.5°	410.3	461.8	616.6	1211.1	2260.1	3164.1	2323.9	1338.8	869.6	722.2	707.5
80°	184.2	194.1	218.6	294.8	717.3	1395.3	960.5	491.3	326.7	270.2	257.9
82.5°	100.7	108.1	142.5	152.3	203.9	370.9	316.9	230.9	196.5	157.2	152.3
85°	56.5	59.0	81.1	81.1	98.3	108.1	115.5	122.8	120.4	88.4	86.0
87.5°	17.2	19.7	24.6	24.6	24.6	24.6	39.3	54.0	59.0	41.8	41.8
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)