

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: P479719

Luminaire Tested: **IFLD-S-SA3D-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479719
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (48) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

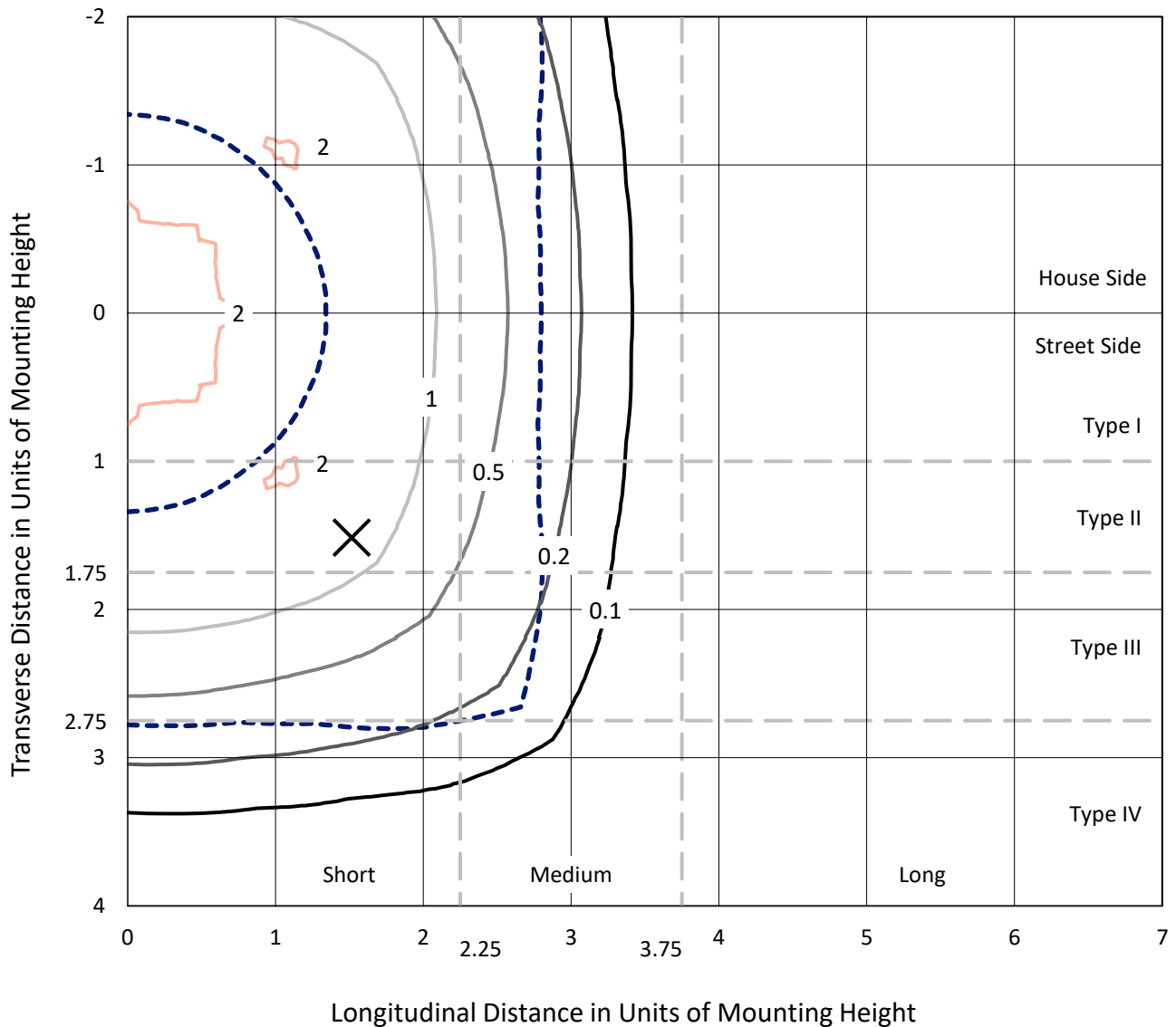
Lumens per Lamp: N/A
Luminaire Lumens: 23917.4 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 184.1
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

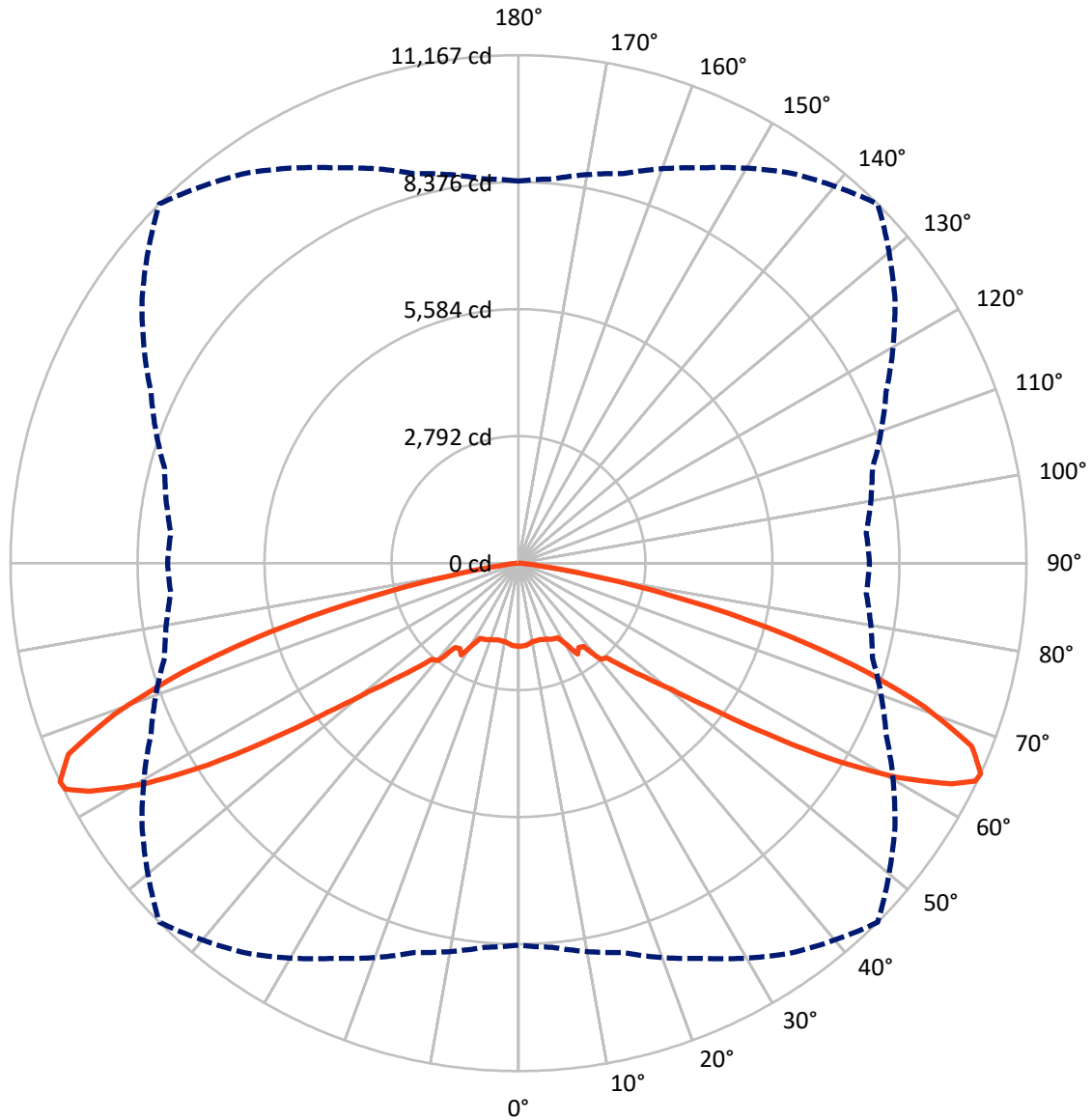
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	11958.7	0.0	11958.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11958.7	0.0	11958.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	23917.4	0.0	23917.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.6	0.7
10°-20°	504.1	2.1
20°-30°	872.5	3.6
30°-40°	1450.9	6.1
40°-50°	2617.6	10.9
50°-60°	5831.0	24.4
60°-70°	8690.1	36.3
70°-80°	3601.3	15.1
80°-90°	178.4	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°	23917.4	100.0
0°-180°	23917.4	100.0

Coefficient of Utilization



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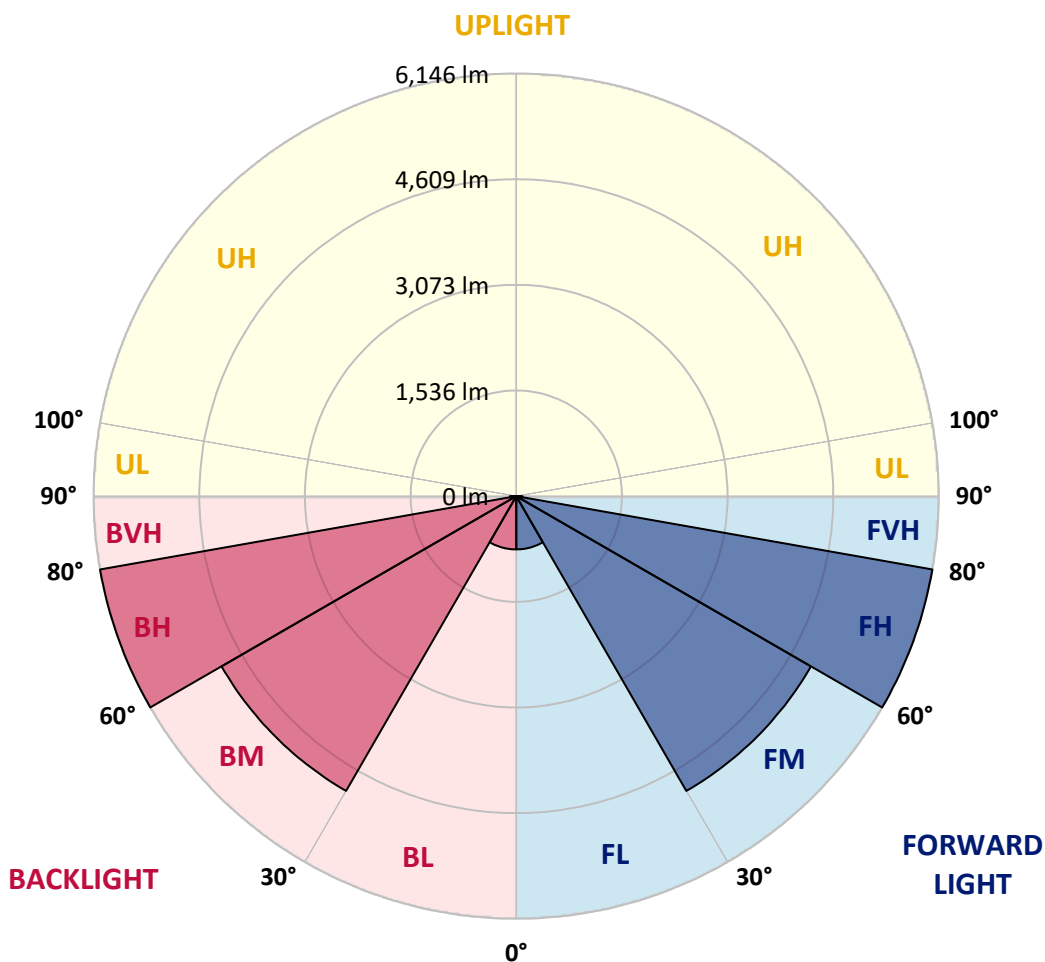
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	774.1	3.2			
FM (30°-60°)	4949.7	20.7			
FH (60°-80°)	6145.7	25.7			G3/7500
FVH (80°-90°)	89.2	0.4			G1/100
BL (0°-30°)	774.1	3.2	B2/1000		
BM (30°-60°)	4949.7	20.7	B3/5000		
BH (60°-80°)	6145.7	25.7	B5		G3/7500
BVH (80°-90°)	89.2	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°	1828.6	1828.6	1828.6	1828.6	1828.6	1828.6	1828.6	1828.6	1828.6	1828.6	1828.6
2.5°	1807.5	1812.8	1810.1	1810.1	1818.1	1823.3	1826.0	1852.4	1841.8	1849.8	1841.8
5°	1812.8	1812.8	1818.1	1812.8	1818.1	1812.8	1818.1	1810.1	1818.1	1823.3	1831.3
7.5°	1802.2	1796.9	1789.0	1789.0	1786.4	1781.1	1773.1	1794.3	1783.7	1791.6	1804.9
10°	1804.9	1796.9	1770.5	1775.8	1752.0	1752.0	1757.3	1757.3	1781.1	1807.5	1815.4
12.5°	1804.9	1789.0	1781.1	1746.7	1746.7	1749.4	1762.6	1767.9	1783.7	1794.3	1820.7
15°	1804.9	1796.9	1783.7	1738.8	1749.4	1744.1	1757.3	1757.3	1791.6	1810.1	1823.3
17.5°	1815.4	1820.7	1796.9	1754.6	1757.3	1767.9	1759.9	1767.9	1810.1	1823.3	1841.8
20°	1818.1	1796.9	1789.0	1762.6	1786.4	1781.1	1778.4	1794.3	1807.5	1831.3	1852.4
22.5°	1812.8	1820.7	1789.0	1786.4	1807.5	1818.1	1823.3	1804.9	1820.7	1836.6	1855.1
25°	1857.7	1828.6	1820.7	1815.4	1826.0	1836.6	1831.3	1847.1	1847.1	1865.6	1889.4
27.5°	1979.3	1981.9	1966.0	1902.6	1881.5	1857.7	1868.3	1910.6	1960.8	2000.4	2008.3
30°	2034.8	2045.3	2087.6	2077.0	2069.1	2077.0	2074.4	2085.0	2090.2	2092.9	2085.0
32.5°	2085.0	2079.7	2061.2	2108.7	2264.7	2383.6	2269.9	2114.0	2079.7	2069.1	2079.7
35°	2267.3	2267.3	2227.7	2166.9	2248.8	2277.9	2225.0	2151.0	2193.3	2280.5	2285.8
37.5°	2502.5	2468.1	2484.0	2476.1	2386.2	2322.8	2415.3	2462.8	2470.8	2468.1	2494.6
40°	2642.5	2618.8	2595.0	2637.3	2719.2	2777.3	2695.4	2581.8	2610.8	2669.0	2645.2
42.5°	2962.3	2901.5	2906.8	2864.5	2861.9	2843.4	2824.9	2832.8	2875.1	2941.1	2951.7
45°	3290.0	3319.0	3300.5	3221.3	3258.2	3258.2	3205.4	3245.0	3266.2	3342.8	3353.4
47.5°	3802.6	3789.4	3797.3	3726.0	3723.3	3741.8	3723.3	3726.0	3792.0	3786.8	3757.7
50°	4402.5	4439.5	4450.0	4415.7	4373.4	4365.5	4336.4	4373.4	4413.0	4415.7	4391.9
52.5°	5232.2	5271.9	5271.9	5282.4	5335.3	5308.9	5303.6	5306.2	5229.6	5176.7	5203.2
55°	6278.7	6291.9	6336.8	6429.3	6590.5	6611.6	6511.2	6466.3	6326.2	6241.7	6307.7
57.5°	7311.9	7364.7	7488.9	7729.4	7927.6	8144.3	7853.6	7557.7	7282.8	7148.1	7171.8
60°	8170.7	8247.4	8485.2	8820.8	9370.4	9568.6	9077.1	8569.7	8012.2	7599.9	7766.4
62.5°	8575.0	8693.9	8894.8	9573.9	10398.4	10683.8	9962.4	9040.1	8194.5	7798.1	7790.2
64°	8577.7	8596.2	8997.8	9729.8	10578.1	11130.4	10176.4	9040.1	8239.4	7750.6	7840.4
65°	8400.6	8477.3	8865.7	9587.1	10464.4	11167.4	10102.4	8915.9	8054.4	7673.9	7716.2
67.5°	7597.3	7594.6	7954.0	8670.2	9888.4	10747.2	9473.5	8220.9	7597.3	7185.1	7235.3
70°	5763.4	5855.9	6199.4	7079.4	8556.5	9476.1	8284.3	6986.9	6210.0	5879.6	5861.1
72.5°	3448.5	3570.1	4008.7	5081.6	6646.0	7763.8	6574.6	5168.8	4233.3	3710.1	3723.3
75°	1572.3	1662.2	1963.4	2838.1	4428.9	5676.2	4455.3	2988.7	2143.1	1810.1	1762.6
77.5°	441.3	496.8	663.3	1302.8	2431.1	3403.6	2499.8	1440.2	935.5	776.9	761.1
80°	198.2	208.8	235.2	317.1	771.6	1501.0	1033.2	528.5	351.5	290.7	277.5
82.5°	108.3	116.3	153.3	163.8	219.3	399.0	340.9	248.4	211.4	169.1	163.8
85°	60.8	63.4	87.2	87.2	105.7	116.3	124.2	132.1	129.5	95.1	92.5
87.5°	18.5	21.1	26.4	26.4	26.4	26.4	42.3	58.1	63.4	44.9	44.9
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)