

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: P479887

Luminaire Tested: **IFLD-S-SA6A-830-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479887
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-830-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

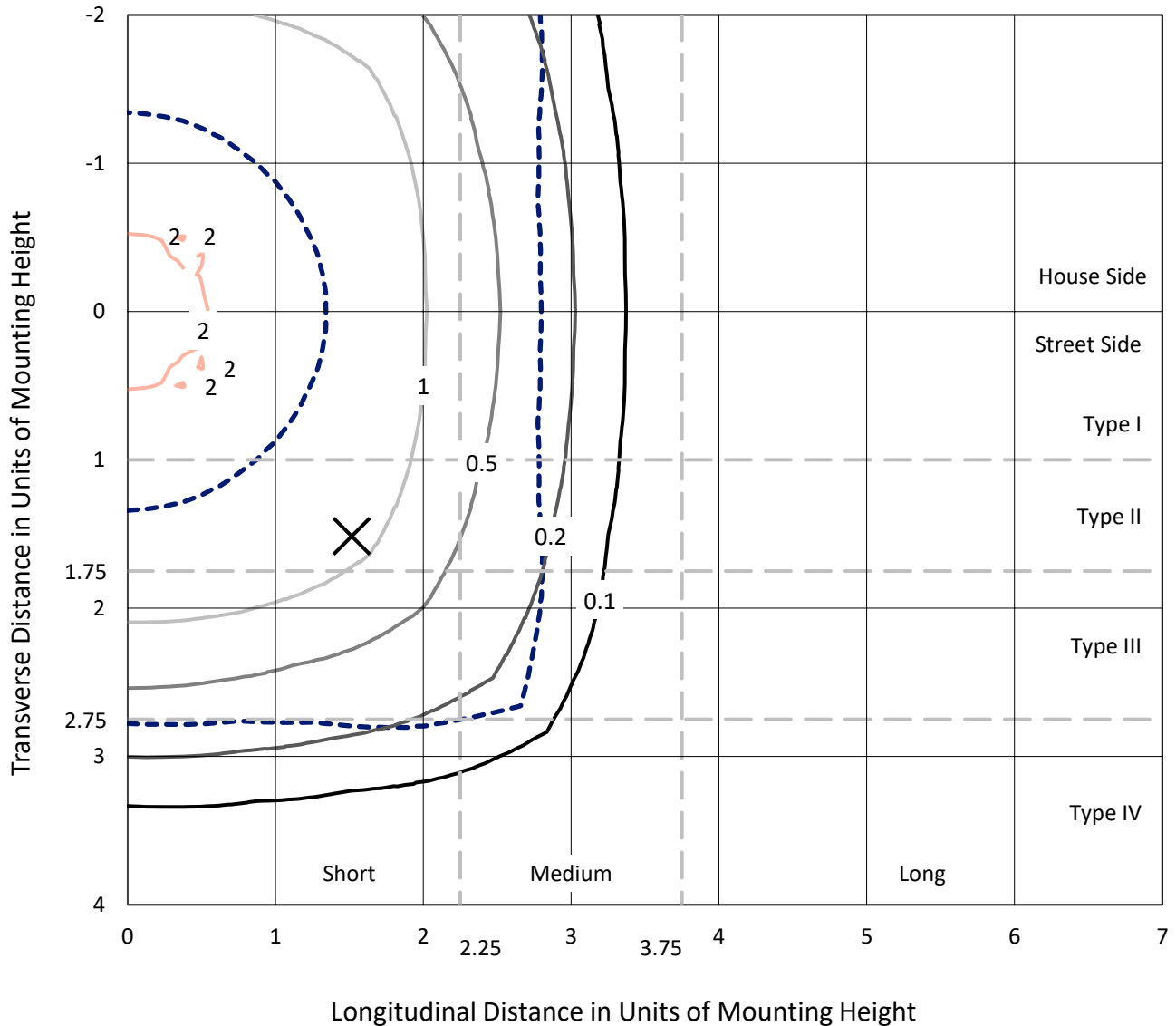
Lumens per Lamp: N/A
Luminaire Lumens: 22007.9 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 189.6
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

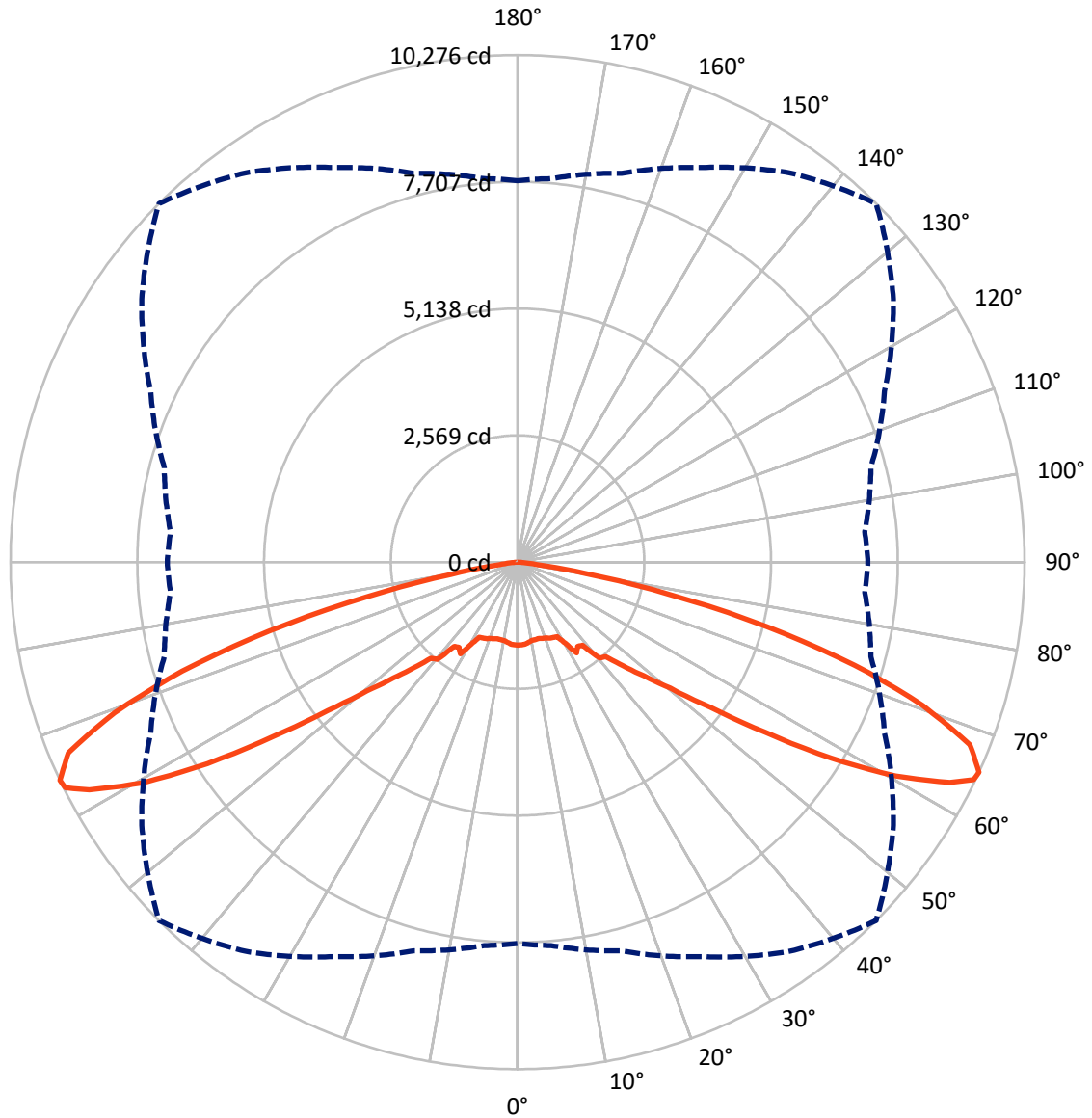
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	11004.0	0.0	11004.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11004.0	0.0	11004.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22007.9	0.0	22007.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	0.7
10°-20°	463.8	2.1
20°-30°	802.9	3.6
30°-40°	1335.0	6.1
40°-50°	2408.6	10.9
50°-60°	5365.5	24.4
60°-70°	7996.3	36.3
70°-80°	3313.8	15.1
80°-90°	164.1	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°	22007.9	100.0
0°-180°	22007.9	100.0

Coefficient of Utilization



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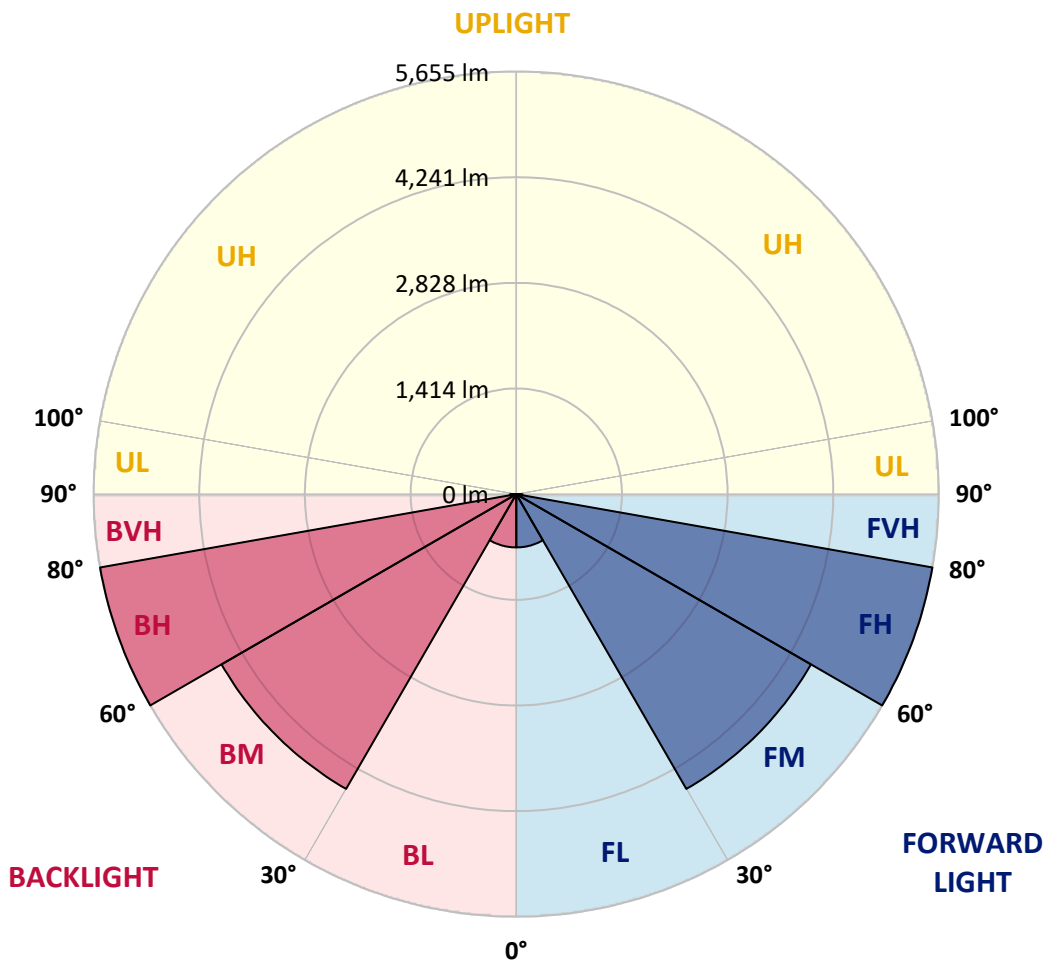
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	712.3	3.2			
FM (30°-60°)	4554.5	20.7			
FH (60°-80°)	5655.0	25.7			G3/7500
FVH (80°-90°)	82.1	0.4			G1/100
BL (0°-30°)	712.3	3.2	B2/1000		
BM (30°-60°)	4554.5	20.7	B3/5000		
BH (60°-80°)	5655.0	25.7	B5		G3/7500
BVH (80°-90°)	82.1	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°	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6
2.5°	1663.2	1668.0	1665.6	1665.6	1672.9	1677.8	1680.2	1704.5	1694.8	1702.1	1694.8
5°	1668.0	1668.0	1672.9	1668.0	1672.9	1668.0	1672.9	1665.6	1672.9	1677.8	1685.1
7.5°	1658.3	1653.5	1646.2	1646.2	1643.7	1638.9	1631.6	1651.0	1641.3	1648.6	1660.8
10°	1660.8	1653.5	1629.1	1634.0	1612.1	1612.1	1617.0	1617.0	1638.9	1663.2	1670.5
12.5°	1660.8	1646.2	1638.9	1607.3	1607.3	1609.7	1621.8	1626.7	1641.3	1651.0	1675.3
15°	1660.8	1653.5	1641.3	1600.0	1609.7	1604.8	1617.0	1617.0	1648.6	1665.6	1677.8
17.5°	1670.5	1675.3	1653.5	1614.6	1617.0	1626.7	1619.4	1626.7	1665.6	1677.8	1694.8
20°	1672.9	1653.5	1646.2	1621.8	1643.7	1638.9	1636.4	1651.0	1663.2	1685.1	1704.5
22.5°	1668.0	1675.3	1646.2	1643.7	1663.2	1672.9	1677.8	1660.8	1675.3	1689.9	1707.0
25°	1709.4	1682.6	1675.3	1670.5	1680.2	1689.9	1685.1	1699.7	1699.7	1716.7	1738.6
27.5°	1821.2	1823.7	1809.1	1750.7	1731.3	1709.4	1719.1	1758.0	1804.2	1840.7	1848.0
30°	1872.3	1882.0	1920.9	1911.2	1903.9	1911.2	1908.8	1918.5	1923.4	1925.8	1918.5
32.5°	1918.5	1913.6	1896.6	1940.4	2083.8	2193.3	2088.7	1945.2	1913.6	1903.9	1913.6
35°	2086.3	2086.3	2049.8	1993.9	2069.3	2096.0	2047.4	1979.3	2018.2	2098.4	2103.3
37.5°	2302.7	2271.1	2285.7	2278.4	2195.7	2137.3	2222.4	2266.2	2273.5	2271.1	2295.4
40°	2431.6	2409.7	2387.8	2426.7	2502.1	2555.6	2480.2	2375.6	2402.4	2455.9	2434.0
42.5°	2725.8	2669.9	2674.7	2635.8	2633.4	2616.4	2599.3	2606.6	2645.5	2706.3	2716.1
45°	3027.3	3054.0	3037.0	2964.1	2998.1	2998.1	2949.5	2986.0	3005.4	3075.9	3085.6
47.5°	3499.0	3486.9	3494.2	3428.5	3426.1	3443.1	3426.1	3428.5	3489.3	3484.4	3457.7
50°	4051.0	4085.0	4094.7	4063.1	4024.2	4016.9	3990.2	4024.2	4060.7	4063.1	4041.3
52.5°	4814.5	4851.0	4851.0	4860.7	4909.3	4885.0	4880.1	4882.6	4812.1	4763.4	4787.7
55°	5777.4	5789.5	5830.9	5916.0	6064.3	6083.8	5991.4	5950.0	5821.2	5743.3	5804.1
57.5°	6728.1	6776.8	6891.0	7112.3	7294.7	7494.1	7226.6	6954.3	6701.4	6577.4	6599.3
60°	7518.4	7588.9	7807.7	8116.5	8622.3	8804.7	8352.4	7885.5	7372.5	6993.2	7146.4
62.5°	7890.4	7999.8	8184.6	8809.5	9568.2	9830.8	9167.0	8318.4	7540.3	7175.5	7168.2
64°	7892.8	7909.9	8279.5	8953.0	9733.5	10241.7	9363.9	8318.4	7581.6	7131.8	7214.4
65°	7729.9	7800.4	8157.9	8821.7	9629.0	10275.8	9295.8	8204.1	7411.4	7061.2	7100.2
67.5°	6990.7	6988.3	7319.0	7977.9	9098.9	9889.2	8717.1	7564.6	6990.7	6611.4	6657.6
70°	5303.2	5388.3	5704.4	6514.1	7873.4	8719.6	7622.9	6429.0	5714.2	5410.2	5393.2
72.5°	3173.2	3285.0	3688.7	4675.9	6115.4	7143.9	6049.7	4756.1	3895.4	3413.9	3426.1
75°	1446.8	1529.5	1806.6	2611.5	4075.3	5223.0	4099.6	2750.1	1972.0	1665.6	1621.8
77.5°	406.1	457.1	610.3	1198.8	2237.0	3131.8	2300.3	1325.2	860.8	714.9	700.3
80°	182.4	192.1	216.4	291.8	710.0	1381.1	950.7	486.3	323.4	267.5	255.3
82.5°	99.7	107.0	141.0	150.8	201.8	367.2	313.7	228.6	194.5	155.6	150.8
85°	55.9	58.4	80.2	80.2	97.3	107.0	114.3	121.6	119.1	87.5	85.1
87.5°	17.0	19.5	24.3	24.3	24.3	24.3	38.9	53.5	58.4	41.3	41.3
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)