

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: P479888

Luminaire Tested: **IFLD-S-SA6B-830-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479888
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-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

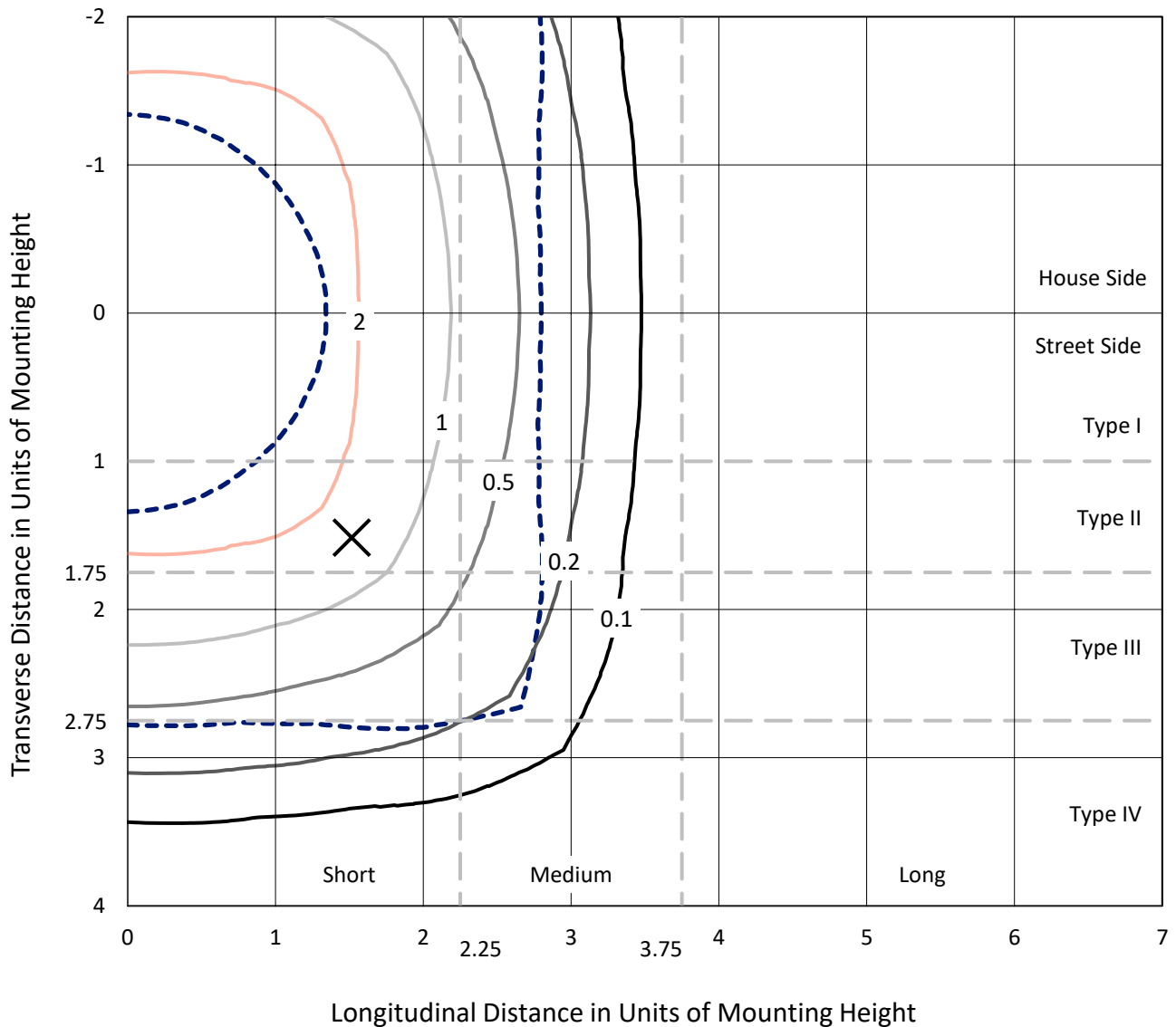
Lumens per Lamp: N/A
Luminaire Lumens: 27218.2 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 244.9
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

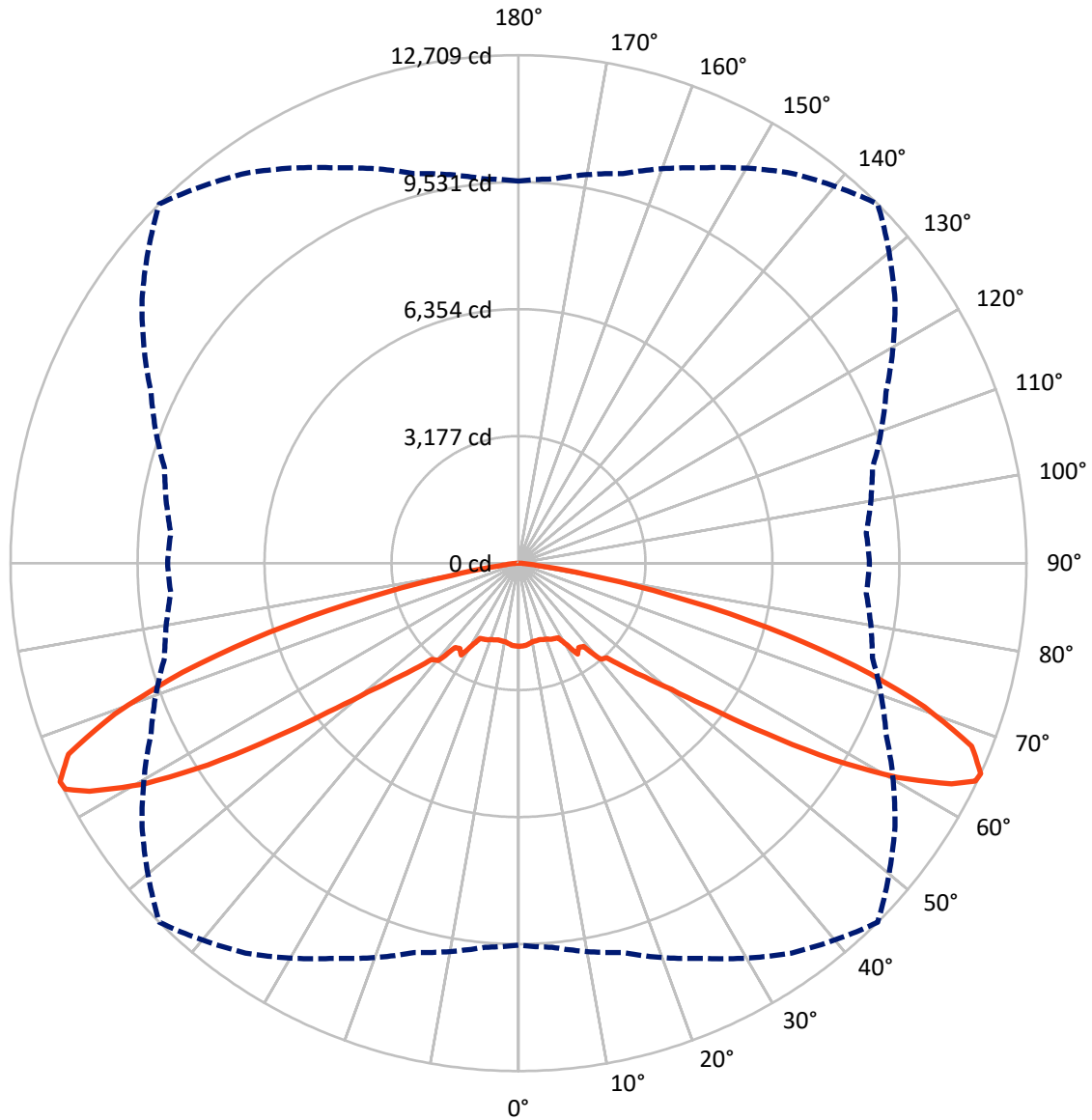
× Max cd
 - - - 1/2 Max cd



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	13609.1	0.0	13609.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13609.1	0.0	13609.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	27218.2	0.0	27218.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.3	0.7
10°-20°	573.6	2.1
20°-30°	993.0	3.6
30°-40°	1651.1	6.1
40°-50°	2978.8	10.9
50°-60°	6635.7	24.4
60°-70°	9889.4	36.3
70°-80°	4098.3	15.1
80°-90°	203.0	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°	27218.2	100.0
0°-180°	27218.2	100.0

Coefficient of Utilization



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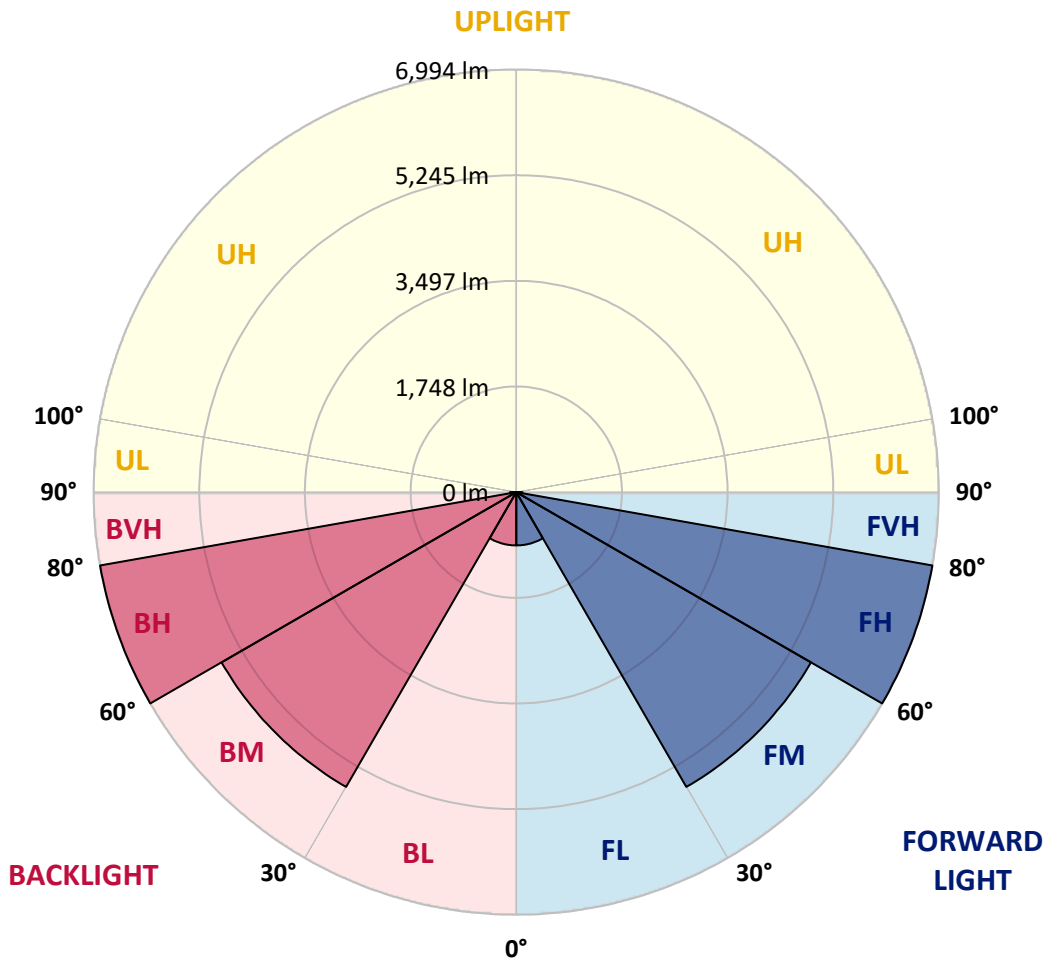
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	880.9	3.2			
FM (30°-60°)	5632.8	20.7			
FH (60°-80°)	6993.9	25.7			G3/7500
FVH (80°-90°)	101.5	0.4			G2/225
BL (0°-30°)	880.9	3.2	B2/1000		
BM (30°-60°)	5632.8	20.7	B4/8500		
BH (60°-80°)	6993.9	25.7	B5		G3/7500
BVH (80°-90°)	101.5	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°	2081.0	2081.0	2081.0	2081.0	2081.0	2081.0	2081.0	2081.0	2081.0	2081.0	2081.0
2.5°	2056.9	2063.0	2059.9	2059.9	2069.0	2075.0	2078.0	2108.1	2096.0	2105.1	2096.0
5°	2063.0	2063.0	2069.0	2063.0	2069.0	2063.0	2069.0	2059.9	2069.0	2075.0	2084.0
7.5°	2050.9	2044.9	2035.9	2035.9	2032.9	2026.9	2017.8	2041.9	2029.9	2038.9	2053.9
10°	2053.9	2044.9	2014.8	2020.9	1993.8	1993.8	1999.8	1999.8	2026.9	2056.9	2066.0
12.5°	2053.9	2035.9	2026.9	1987.8	1987.8	1990.8	2005.8	2011.8	2029.9	2041.9	2072.0
15°	2053.9	2044.9	2029.9	1978.7	1990.8	1984.8	1999.8	1999.8	2038.9	2059.9	2075.0
17.5°	2066.0	2072.0	2044.9	1996.8	1999.8	2011.8	2002.8	2011.8	2059.9	2075.0	2096.0
20°	2069.0	2044.9	2035.9	2005.8	2032.9	2026.9	2023.9	2041.9	2056.9	2084.0	2108.1
22.5°	2063.0	2072.0	2035.9	2032.9	2056.9	2069.0	2075.0	2053.9	2072.0	2090.0	2111.1
25°	2114.1	2081.0	2072.0	2066.0	2078.0	2090.0	2084.0	2102.0	2102.0	2123.1	2150.2
27.5°	2252.4	2255.4	2237.4	2165.2	2141.1	2114.1	2126.1	2174.2	2231.4	2276.5	2285.5
30°	2315.6	2327.6	2375.7	2363.7	2354.7	2363.7	2360.7	2372.7	2378.7	2381.7	2372.7
32.5°	2372.7	2366.7	2345.6	2399.8	2577.2	2712.5	2583.2	2405.8	2366.7	2354.7	2366.7
35°	2580.2	2580.2	2535.1	2465.9	2559.1	2592.2	2532.1	2447.9	2496.0	2595.2	2601.2
37.5°	2847.8	2808.7	2826.8	2817.8	2715.5	2643.3	2748.6	2802.7	2811.7	2808.7	2838.8
40°	3007.2	2980.2	2953.1	3001.2	3094.4	3160.6	3067.4	2938.1	2971.1	3037.3	3010.2
42.5°	3371.1	3301.9	3307.9	3259.8	3256.8	3235.8	3214.7	3223.7	3271.9	3347.0	3359.1
45°	3744.0	3777.1	3756.0	3665.8	3707.9	3707.9	3647.8	3692.9	3716.9	3804.1	3816.2
47.5°	4327.4	4312.4	4321.4	4240.2	4237.2	4258.2	4237.2	4240.2	4315.4	4309.3	4276.3
50°	5010.0	5052.1	5064.2	5025.1	4976.9	4967.9	4934.8	4976.9	5022.1	5025.1	4998.0
52.5°	5954.3	5999.4	5999.4	6011.4	6071.6	6041.5	6035.5	6038.5	5951.3	5891.1	5921.2
55°	7145.2	7160.2	7211.3	7316.6	7500.0	7524.1	7409.8	7358.7	7199.3	7103.0	7178.2
57.5°	8321.0	8381.1	8522.5	8796.1	9021.7	9268.2	8937.5	8600.6	8287.9	8134.5	8161.6
60°	9298.3	9385.5	9656.2	10038.1	10663.6	10889.1	10329.8	9752.4	9117.9	8648.8	8838.2
62.5°	9758.4	9893.7	10122.3	10895.2	11833.4	12158.2	11337.2	10287.7	9325.4	8874.3	8865.3
64°	9761.4	9782.5	10239.6	11072.6	12037.9	12666.4	11580.8	10287.7	9376.5	8820.2	8922.4
65°	9559.9	9647.2	10089.2	10910.2	11908.6	12708.5	11496.6	10146.4	9166.0	8733.0	8781.1
67.5°	8645.8	8642.7	9051.7	9866.7	11253.0	12230.4	10780.9	9355.5	8645.8	8176.6	8233.8
70°	6558.7	6664.0	7054.9	8056.3	9737.4	10783.9	9427.6	7951.1	7067.0	6691.1	6670.0
72.5°	3924.4	4062.8	4562.0	5782.9	7563.2	8835.2	7482.0	5882.1	4817.6	4222.1	4237.2
75°	1789.3	1891.5	2234.4	3229.8	5040.1	6459.5	5070.2	3401.2	2438.9	2059.9	2005.8
77.5°	502.2	565.4	754.8	1482.6	2766.6	3873.3	2844.8	1638.9	1064.6	884.1	866.1
80°	225.5	237.6	267.6	360.9	878.1	1708.1	1175.8	601.4	400.0	330.8	315.8
82.5°	123.3	132.3	174.4	186.4	249.6	454.1	387.9	282.7	240.6	192.5	186.4
85°	69.2	72.2	99.2	99.2	120.3	132.3	141.3	150.4	147.4	108.3	105.3
87.5°	21.1	24.1	30.1	30.1	30.1	30.1	48.1	66.2	72.2	51.1	51.1
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)