

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: P479902

Luminaire Tested: **IFLD-L-SA8A-830-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479902
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-830-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (128) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

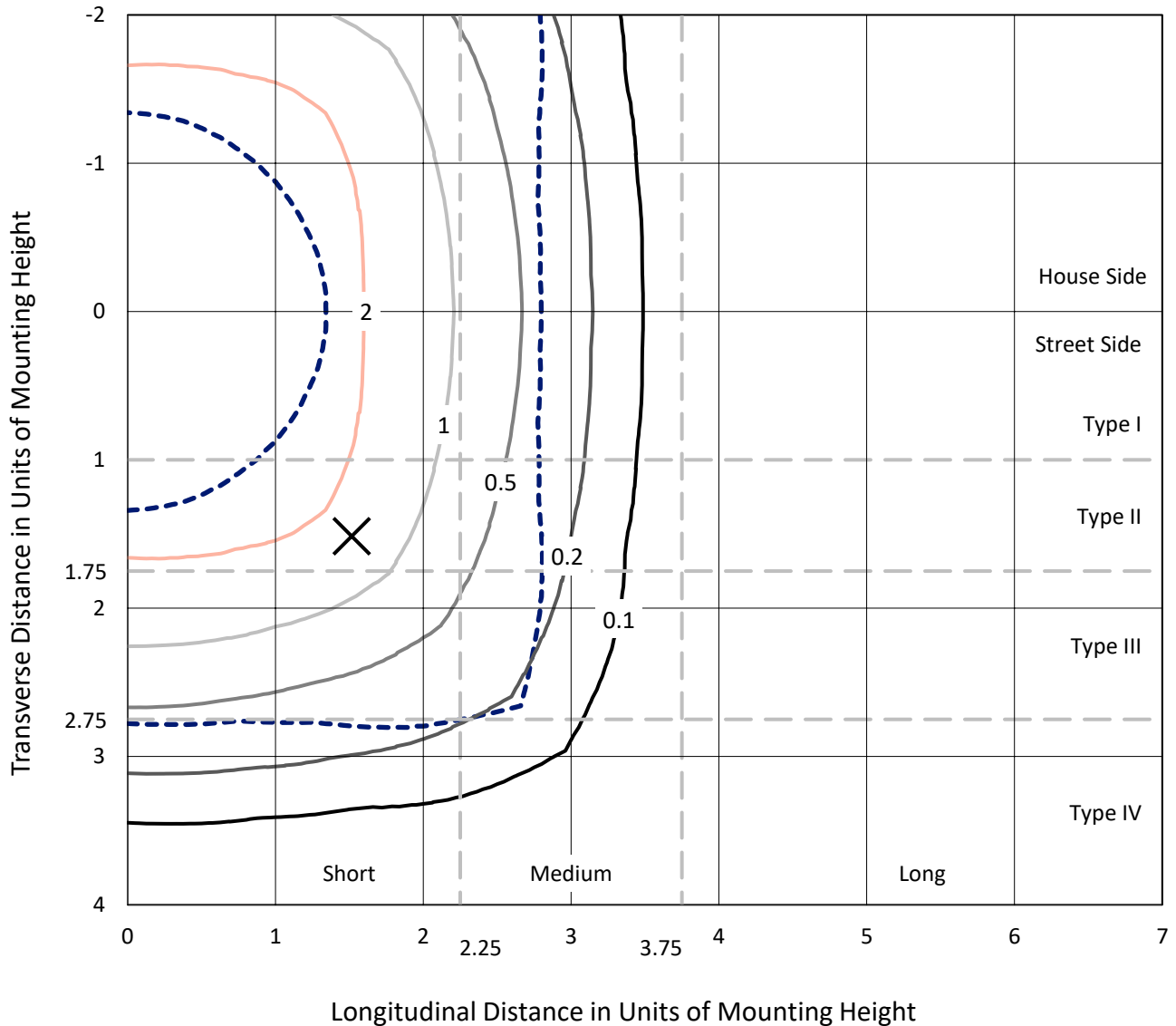
Lumens per Lamp: N/A
Luminaire Lumens: 27932.9 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 247.8
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

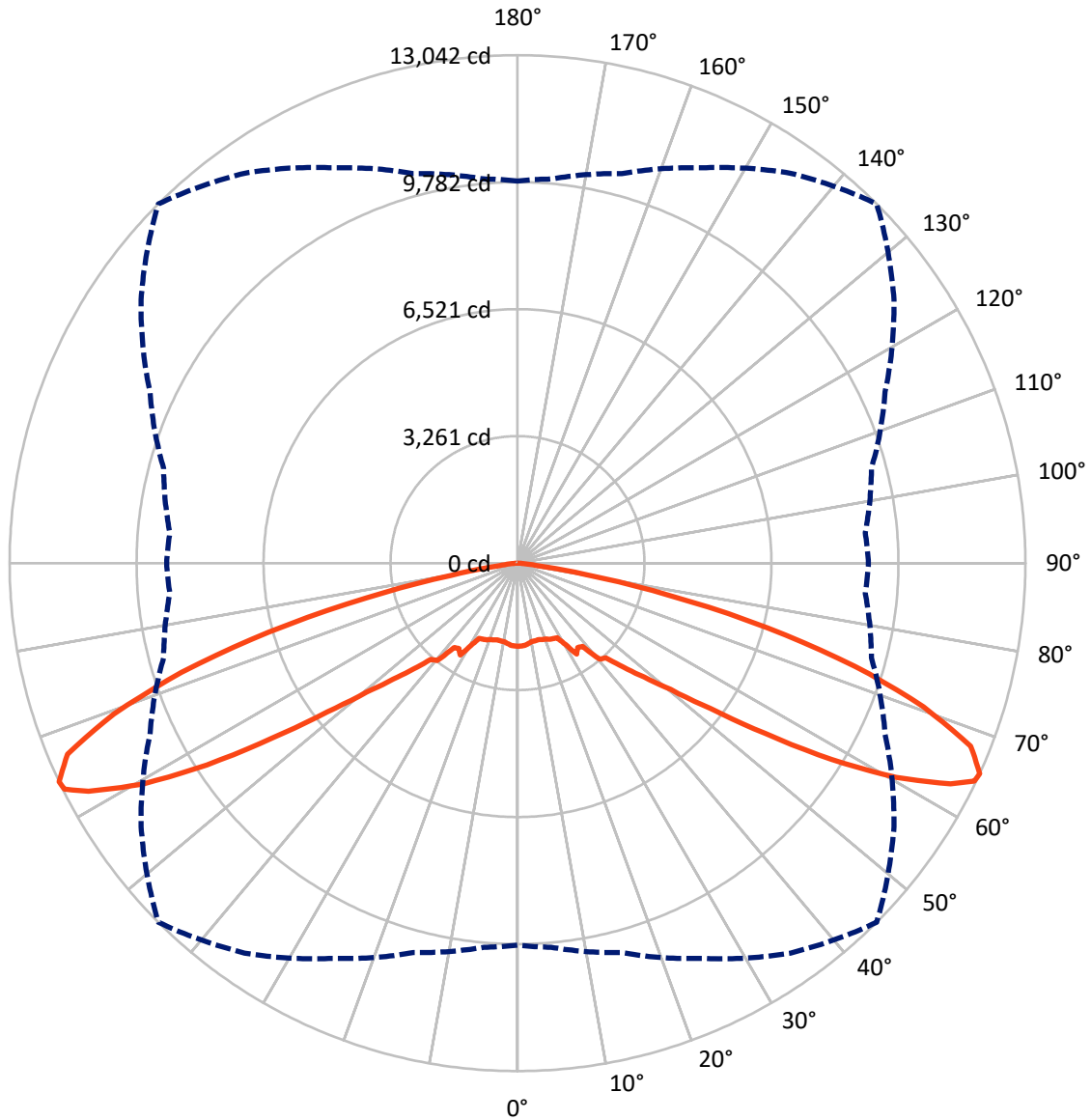
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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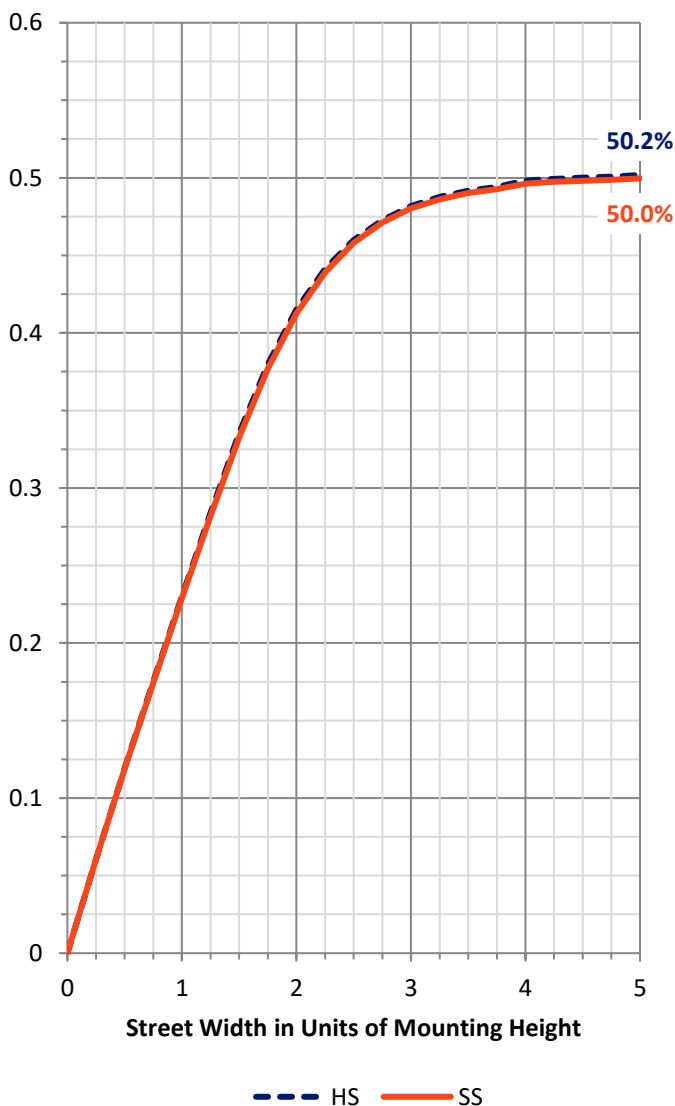
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13966.5	0.0	13966.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13966.5	0.0	13966.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27932.9	0.0	27932.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.4	0.7
10°-20°	588.7	2.1
20°-30°	1019.0	3.6
30°-40°	1694.4	6.1
40°-50°	3057.0	10.9
50°-60°	6810.0	24.4
60°-70°	10149.1	36.3
70°-80°	4205.9	15.1
80°-90°	208.3	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°	27932.9	100.0
0°-180°	27932.9	100.0

Coefficient of Utilization



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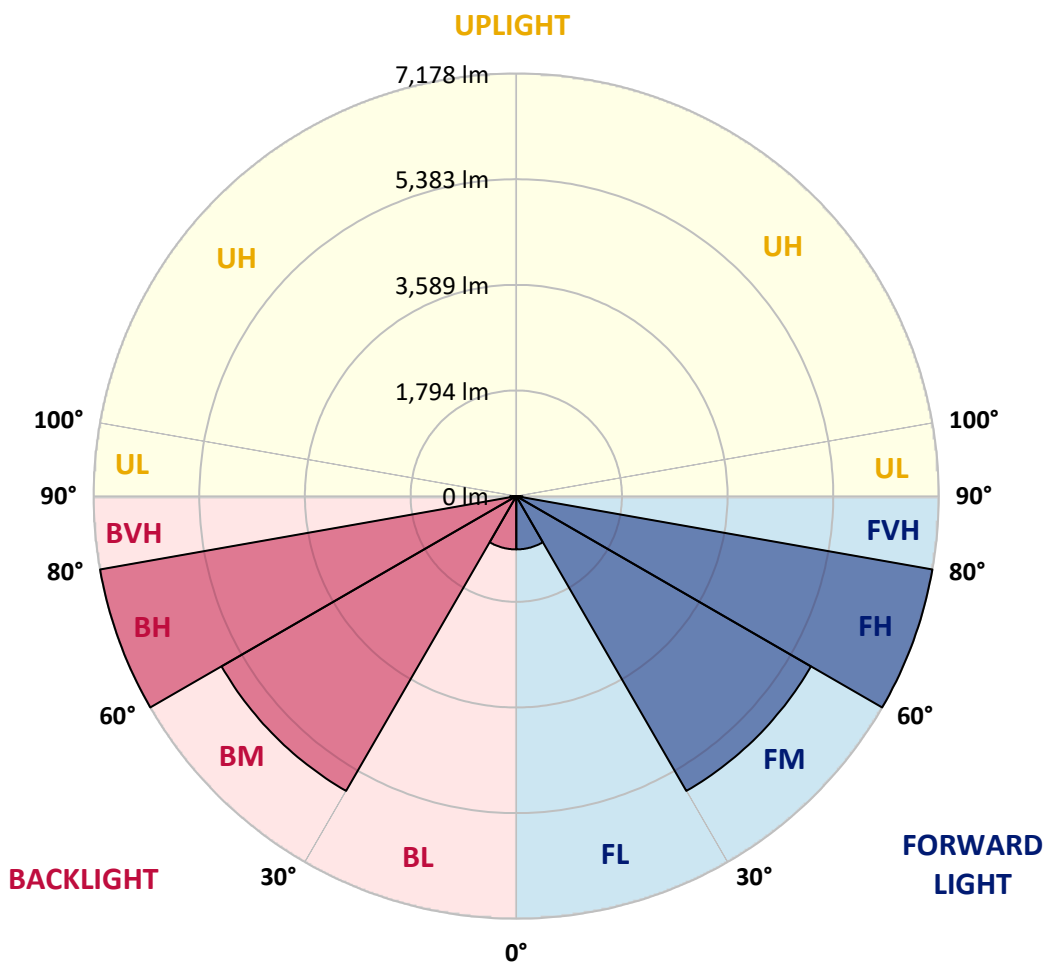
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	904.1	3.2			
FM (30°-60°)	5780.7	20.7			
FH (60°-80°)	7177.5	25.7			G3/7500
FVH (80°-90°)	104.2	0.4			G2/225
BL (0°-30°)	904.1	3.2	B2/1000		
BM (30°-60°)	5780.7	20.7	B4/8500		
BH (60°-80°)	7177.5	25.7	B5		G3/7500
BVH (80°-90°)	104.2	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°	2135.6	2135.6	2135.6	2135.6	2135.6	2135.6	2135.6	2135.6	2135.6	2135.6	2135.6
2.5°	2111.0	2117.1	2114.0	2114.0	2123.3	2129.5	2132.6	2163.4	2151.1	2160.3	2151.1
5°	2117.1	2117.1	2123.3	2117.1	2123.3	2117.1	2123.3	2114.0	2123.3	2129.5	2138.7
7.5°	2104.8	2098.6	2089.4	2089.4	2086.3	2080.1	2070.8	2095.5	2083.2	2092.4	2107.9
10°	2107.9	2098.6	2067.7	2073.9	2046.1	2046.1	2052.3	2052.3	2080.1	2111.0	2120.2
12.5°	2107.9	2089.4	2080.1	2040.0	2040.0	2043.1	2058.5	2064.7	2083.2	2095.5	2126.4
15°	2107.9	2098.6	2083.2	2030.7	2043.1	2036.9	2052.3	2052.3	2092.4	2114.0	2129.5
17.5°	2120.2	2126.4	2098.6	2049.2	2052.3	2064.7	2055.4	2064.7	2114.0	2129.5	2151.1
20°	2123.3	2098.6	2089.4	2058.5	2086.3	2080.1	2077.0	2095.5	2111.0	2138.7	2163.4
22.5°	2117.1	2126.4	2089.4	2086.3	2111.0	2123.3	2129.5	2107.9	2126.4	2144.9	2166.5
25°	2169.6	2135.6	2126.4	2120.2	2132.6	2144.9	2138.7	2157.2	2157.2	2178.8	2206.6
27.5°	2311.6	2314.6	2296.1	2222.1	2197.4	2169.6	2181.9	2231.3	2290.0	2336.2	2345.5
30°	2376.4	2388.7	2438.1	2425.7	2416.5	2425.7	2422.7	2435.0	2441.2	2444.3	2435.0
32.5°	2435.0	2428.8	2407.2	2462.8	2644.9	2783.7	2651.0	2469.0	2428.8	2416.5	2428.8
35°	2648.0	2648.0	2601.7	2530.7	2626.3	2660.3	2598.6	2512.2	2561.5	2663.4	2669.6
37.5°	2922.6	2882.5	2901.0	2891.8	2786.8	2712.8	2820.8	2876.3	2885.6	2882.5	2913.4
40°	3086.2	3058.4	3030.6	3080.0	3175.7	3243.6	3147.9	3015.2	3049.2	3117.1	3089.3
42.5°	3459.6	3388.6	3394.8	3345.4	3342.3	3320.7	3299.1	3308.4	3357.8	3434.9	3447.3
45°	3842.3	3876.3	3854.7	3762.1	3805.3	3805.3	3743.5	3789.8	3814.5	3904.0	3916.4
47.5°	4441.0	4425.6	4434.9	4351.5	4348.4	4370.0	4348.4	4351.5	4428.7	4422.5	4388.6
50°	5141.6	5184.8	5197.1	5157.0	5107.6	5098.4	5064.4	5107.6	5153.9	5157.0	5129.2
52.5°	6110.7	6156.9	6156.9	6169.3	6231.0	6200.2	6194.0	6197.1	6107.6	6045.8	6076.7
55°	7332.8	7348.2	7400.7	7508.7	7697.0	7721.6	7604.4	7551.9	7388.3	7289.6	7366.7
57.5°	8539.5	8601.2	8746.3	9027.1	9258.6	9511.6	9172.2	8826.5	8505.5	8348.1	8375.9
60°	9542.5	9632.0	9909.8	10301.7	10943.6	11175.1	10601.1	10008.5	9357.3	8875.9	9070.3
62.5°	10014.7	10153.6	10388.1	11181.3	12144.2	12477.5	11634.9	10557.9	9570.3	9107.3	9098.1
64°	10017.8	10039.4	10508.5	11363.3	12354.0	12999.0	11884.9	10557.9	9622.7	9051.8	9156.7
65°	9811.0	9900.5	10354.2	11196.7	12221.3	13042.2	11798.5	10412.8	9406.7	8962.3	9011.7
67.5°	8872.8	8869.7	9289.4	10125.8	11548.5	12551.5	11064.0	9601.1	8872.8	8391.3	8450.0
70°	6731.0	6839.0	7240.2	8267.9	9993.1	11067.1	9675.2	8159.9	7252.5	6866.8	6845.2
72.5°	4027.5	4169.4	4681.7	5934.7	7761.8	9067.2	7678.4	6036.6	4944.1	4333.0	4348.4
75°	1836.3	1941.2	2293.0	3314.6	5172.5	6629.1	5203.3	3490.5	2502.9	2114.0	2058.5
77.5°	515.4	580.2	774.6	1521.5	2839.3	3975.0	2919.5	1682.0	1092.5	907.3	888.8
80°	231.5	243.8	274.7	370.3	901.2	1753.0	1206.7	617.2	410.5	339.5	324.0
82.5°	126.5	135.8	179.0	191.3	256.2	466.0	398.1	290.1	246.9	197.5	191.3
85°	71.0	74.1	101.8	101.8	123.4	135.8	145.1	154.3	151.2	111.1	108.0
87.5°	21.6	24.7	30.9	30.9	30.9	30.9	49.4	67.9	74.1	52.5	52.5
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)