

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: P527498

Luminaire Tested: **GLAN-SA2C-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-735-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11173 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

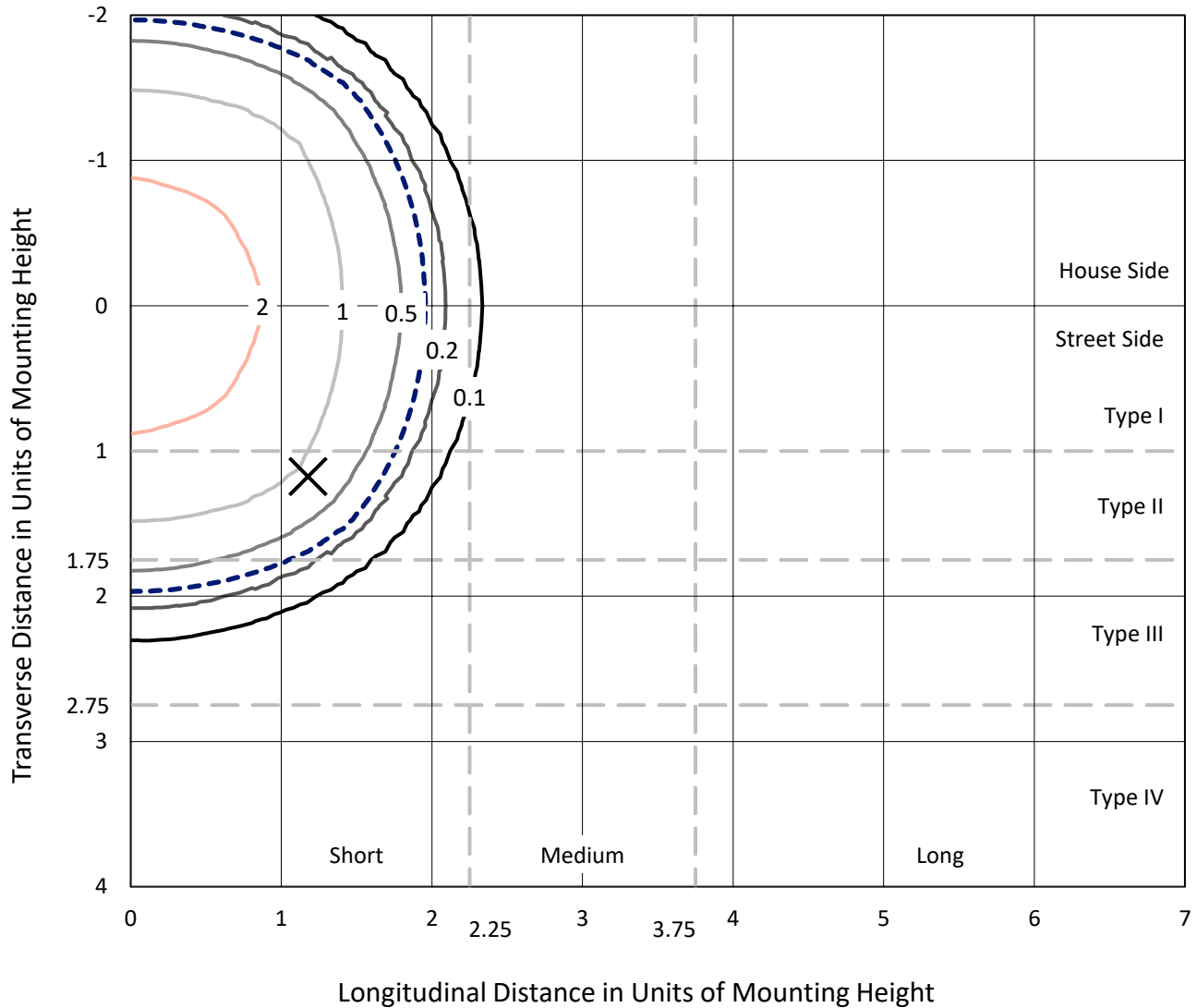
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

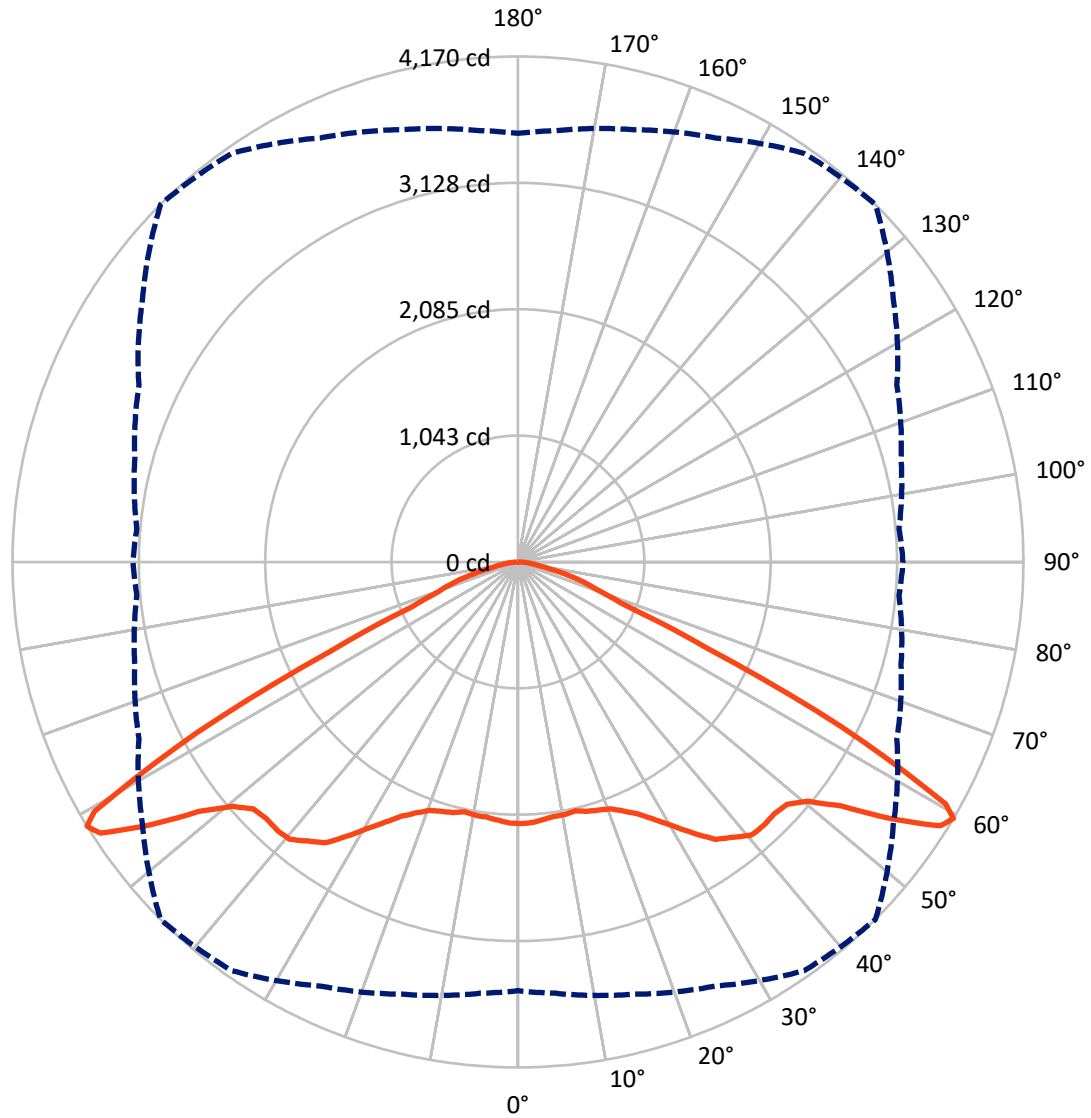
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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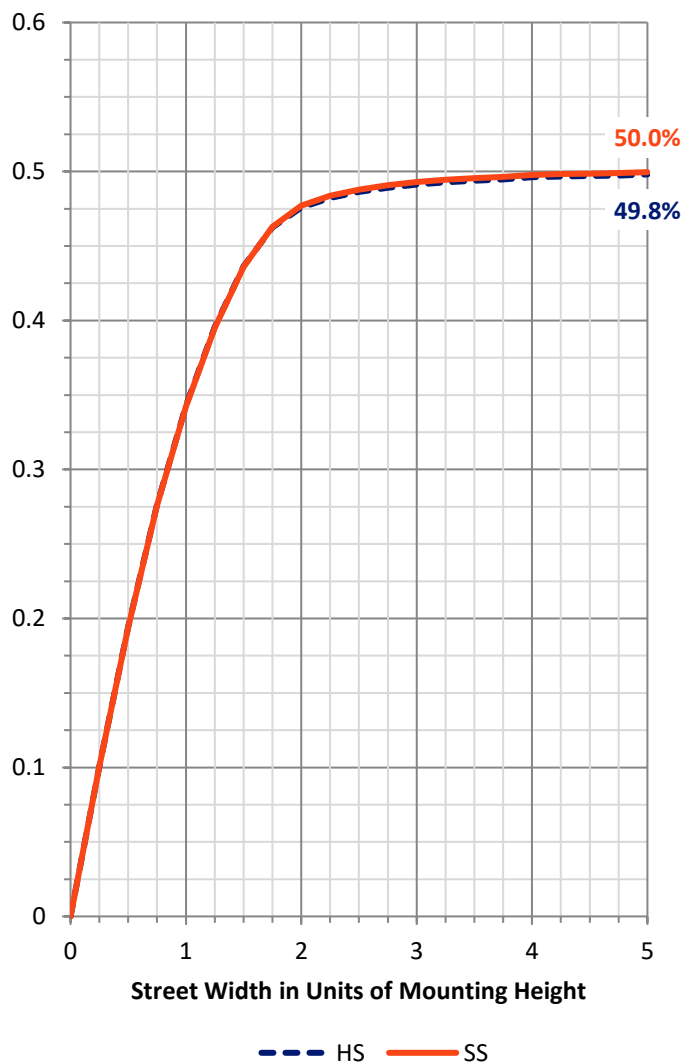
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5586.5	0.0	5586.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5586.5	0.0	5586.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11173.0	0.0	11173.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.4	1.8
10°-20°	605.0	5.4
20°-30°	1056.4	9.5
30°-40°	1687.2	15.1
40°-50°	2298.3	20.6
50°-60°	3107.9	27.8
60°-70°	1704.4	15.3
70°-80°	436.0	3.9
80°-90°	74.4	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°	11173.0	100.0
0°-180°	11173.0	100.0

Coefficient of Utilization



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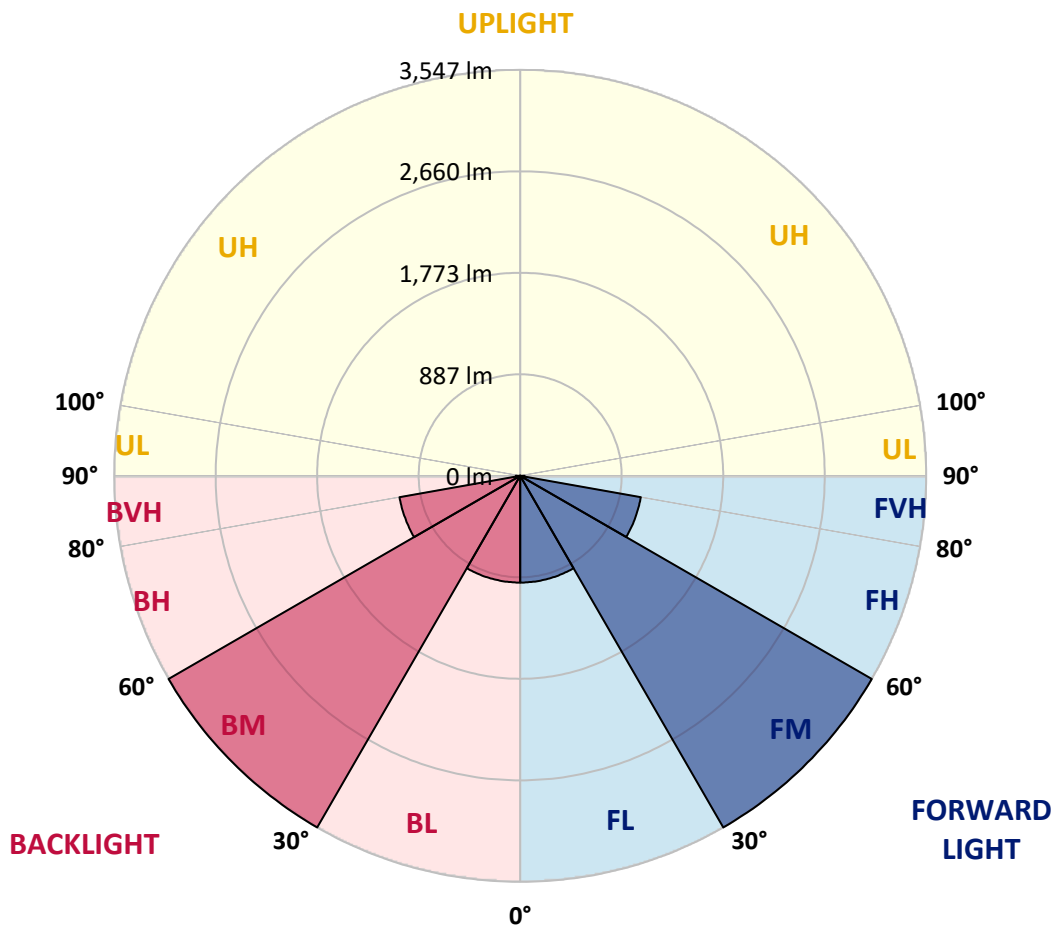
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	932.4	8.3			
FM (30°-60°)	3546.7	31.7			
FH (60°-80°)	1070.2	9.6			G1/1800
FVH (80°-90°)	37.2	0.3			G1/100
BL (0°-30°)	932.4	8.3	B2/1000		
BM (30°-60°)	3546.7	31.7	B3/5000		
BH (60°-80°)	1070.2	9.6	B3/2500		G1/1800
BVH (80°-90°)	37.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2158.1	2158.1	2158.1	2158.1	2158.1	2158.1	2158.1	2158.1	2158.1	2158.1	2158.1
2.5°	2145.2	2161.0	2149.5	2159.5	2158.1	2153.8	2146.6	2142.3	2136.6	2145.2	2130.9
5°	2136.6	2149.5	2162.4	2145.2	2145.2	2136.6	2132.3	2123.7	2123.7	2122.3	2120.9
7.5°	2150.9	2138.0	2132.3	2135.2	2138.0	2119.4	2132.3	2115.1	2100.8	2110.8	2122.3
10°	2138.0	2143.8	2122.3	2132.3	2116.6	2119.4	2110.8	2122.3	2106.5	2106.5	2106.5
12.5°	2150.9	2135.2	2142.3	2135.2	2130.9	2106.5	2118.0	2105.1	2103.7	2118.0	2105.1
15°	2176.7	2150.9	2145.2	2130.9	2135.2	2135.2	2123.7	2125.2	2109.4	2118.0	2120.9
17.5°	2168.1	2153.8	2149.5	2132.3	2146.6	2150.9	2129.4	2115.1	2125.2	2123.7	2122.3
20°	2175.3	2181.0	2176.7	2179.6	2185.3	2173.8	2153.8	2133.7	2120.9	2139.5	2138.0
22.5°	2221.1	2215.4	2212.5	2209.6	2219.7	2231.1	2203.9	2172.4	2172.4	2185.3	2191.0
25°	2258.3	2256.9	2255.5	2268.4	2302.7	2302.7	2268.4	2228.3	2218.2	2226.8	2219.7
27.5°	2312.7	2328.5	2322.8	2345.7	2395.8	2407.3	2361.4	2314.2	2287.0	2276.9	2289.8
30°	2437.3	2418.7	2423.0	2447.4	2491.8	2529.0	2458.8	2408.7	2371.5	2370.0	2375.8
32.5°	2520.4	2534.7	2547.6	2570.5	2640.7	2669.3	2584.8	2503.2	2480.3	2467.4	2471.7
35°	2686.5	2673.6	2670.8	2693.7	2763.8	2811.1	2705.1	2633.5	2603.5	2632.1	2632.1
37.5°	2844.0	2808.2	2781.0	2811.1	2875.5	2881.3	2791.1	2752.4	2736.6	2769.6	2768.1
40°	2918.5	2915.6	2852.6	2869.8	2955.7	2964.3	2879.8	2834.0	2831.1	2874.1	2917.1
42.5°	2995.8	2968.6	2905.6	2917.1	2970.1	2972.9	2892.7	2879.8	2911.3	2952.9	2955.7
45°	3008.7	2985.8	2945.7	2917.1	2955.7	2964.3	2917.1	2925.7	2928.5	2978.7	2978.7
47.5°	3034.5	3031.6	3008.7	2987.2	2994.4	2987.2	2957.2	2970.1	3013.0	3037.4	3025.9
50°	3106.1	3076.0	3098.9	3080.3	3081.8	3101.8	3074.6	3087.5	3078.9	3057.4	3043.1
52.5°	3263.6	3249.3	3269.4	3282.2	3296.6	3342.4	3310.9	3242.1	3177.7	3120.4	3119.0
55°	3494.2	3504.2	3542.9	3608.7	3664.6	3737.6	3585.8	3421.2	3318.0	3227.8	3233.6
57.5°	3711.9	3704.7	3757.7	3908.0	4071.3	4108.5	3810.7	3575.8	3408.3	3351.0	3326.6
59°	3537.1	3571.5	3691.8	3859.4	4115.7	4170.1	3780.6	3449.8	3272.2	3156.2	3176.3
60°	3262.2	3275.1	3382.5	3615.9	3962.5	4055.5	3578.7	3255.0	3018.7	2951.4	2981.5
62.5°	2305.6	2295.6	2372.9	2563.4	2874.1	3000.1	2660.7	2433.0	2284.1	2209.6	2226.8
65°	1225.8	1271.7	1303.2	1422.0	1586.7	1719.9	1579.5	1480.7	1397.7	1336.1	1334.7
67.5°	827.7	822.0	829.2	856.4	912.2	949.4	946.6	896.5	889.3	877.8	890.7
70°	697.4	694.5	681.7	681.7	693.1	701.7	711.7	717.5	728.9	743.2	741.8
72.5°	565.7	558.5	549.9	545.6	559.9	564.2	577.1	582.8	592.9	591.4	604.3
75°	373.8	373.8	383.8	395.2	399.5	408.1	409.6	426.7	426.7	429.6	418.2
77.5°	209.1	203.4	210.5	222.0	232.0	247.7	263.5	276.4	283.5	280.7	280.7
80°	121.7	121.7	128.9	141.8	154.7	169.0	180.4	190.5	197.6	194.8	189.0
82.5°	75.9	75.9	83.1	95.9	106.0	114.6	130.3	143.2	151.8	148.9	141.8
85°	38.7	38.7	47.3	55.8	68.7	74.5	73.0	67.3	65.9	58.7	58.7
87.5°	10.0	10.0	14.3	15.8	12.9	14.3	14.3	14.3	14.3	14.3	15.8
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)