

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: P649240

Luminaire Tested: **GLAN-SA2D-835-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P649240  
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-SA2D-835-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 3500K, 1200mA 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: 10334 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

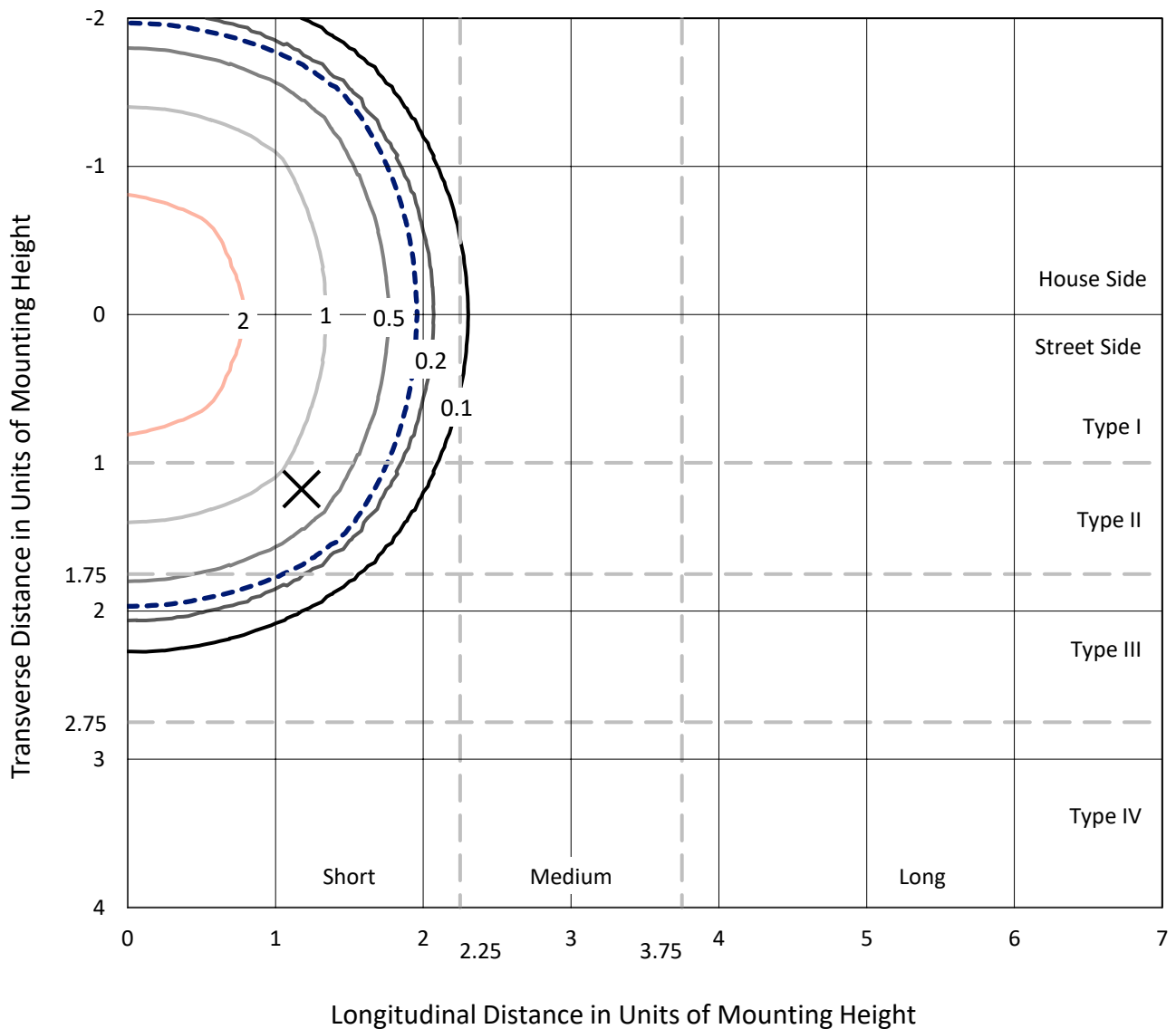
Input Watts (W): 125  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

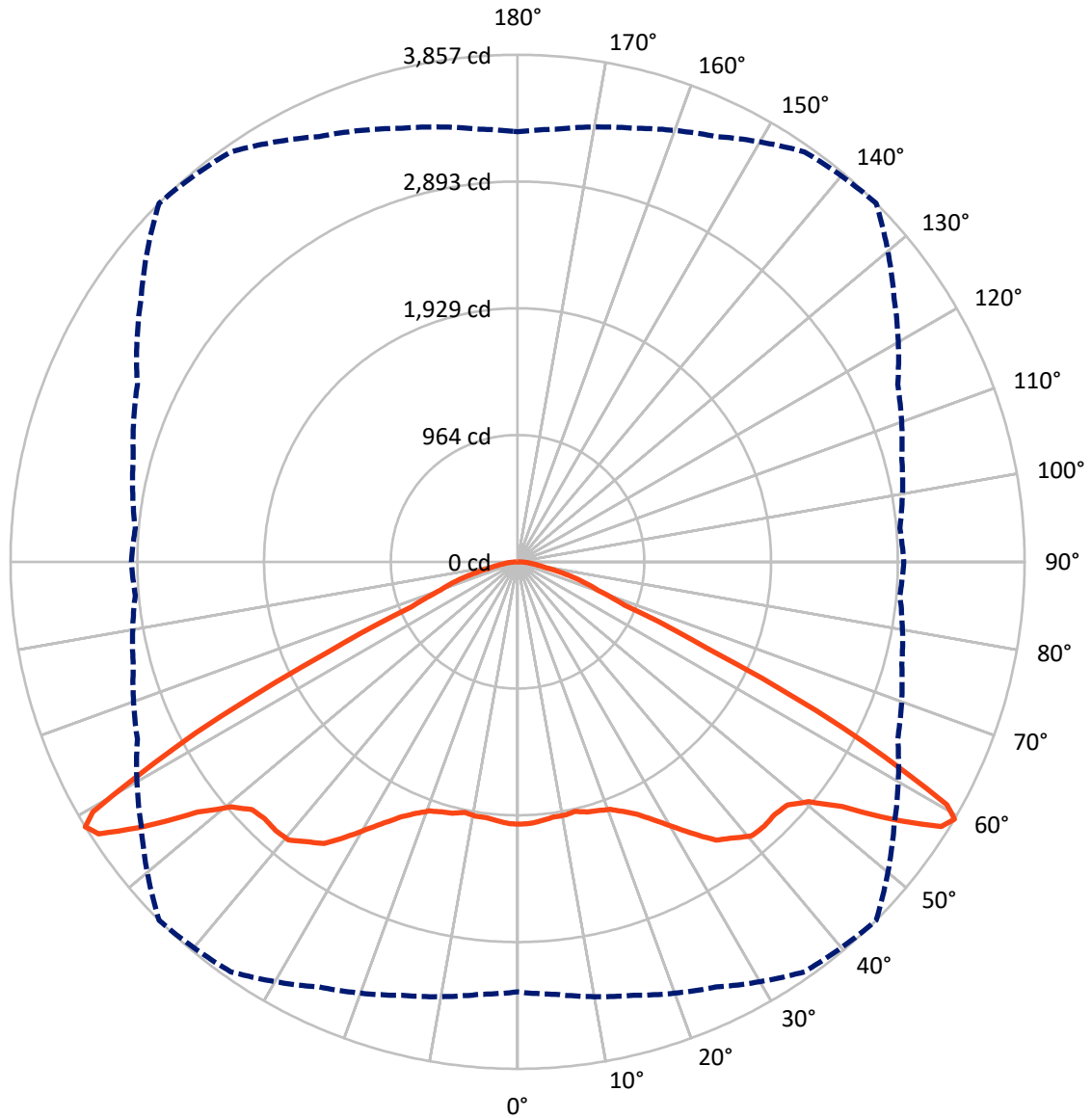
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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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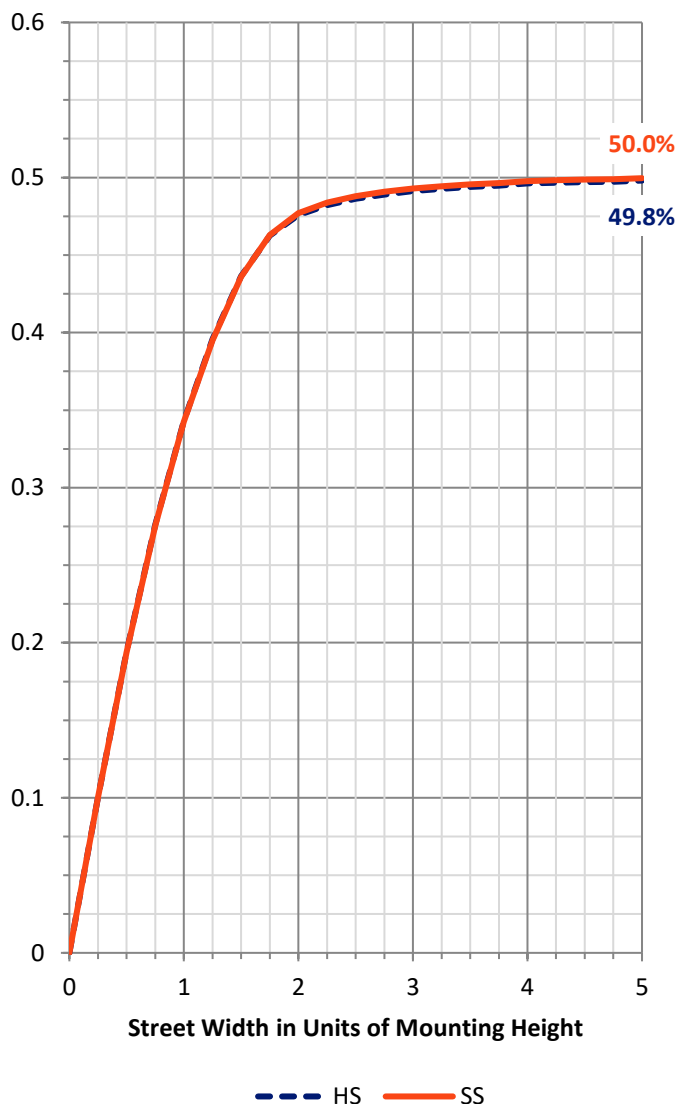
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5167.0	0.0	5167.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5167.0	0.0	5167.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10334.0	0.0	10334.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	188.2	1.8
10°-20°	559.6	5.4
20°-30°	977.1	9.5
30°-40°	1560.5	15.1
40°-50°	2125.7	20.6
50°-60°	2874.5	27.8
60°-70°	1576.4	15.3
70°-80°	403.3	3.9
80°-90°	68.8	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°	10334.0	100.0
0°-180°	10334.0	100.0

**Coefficient of Utilization**



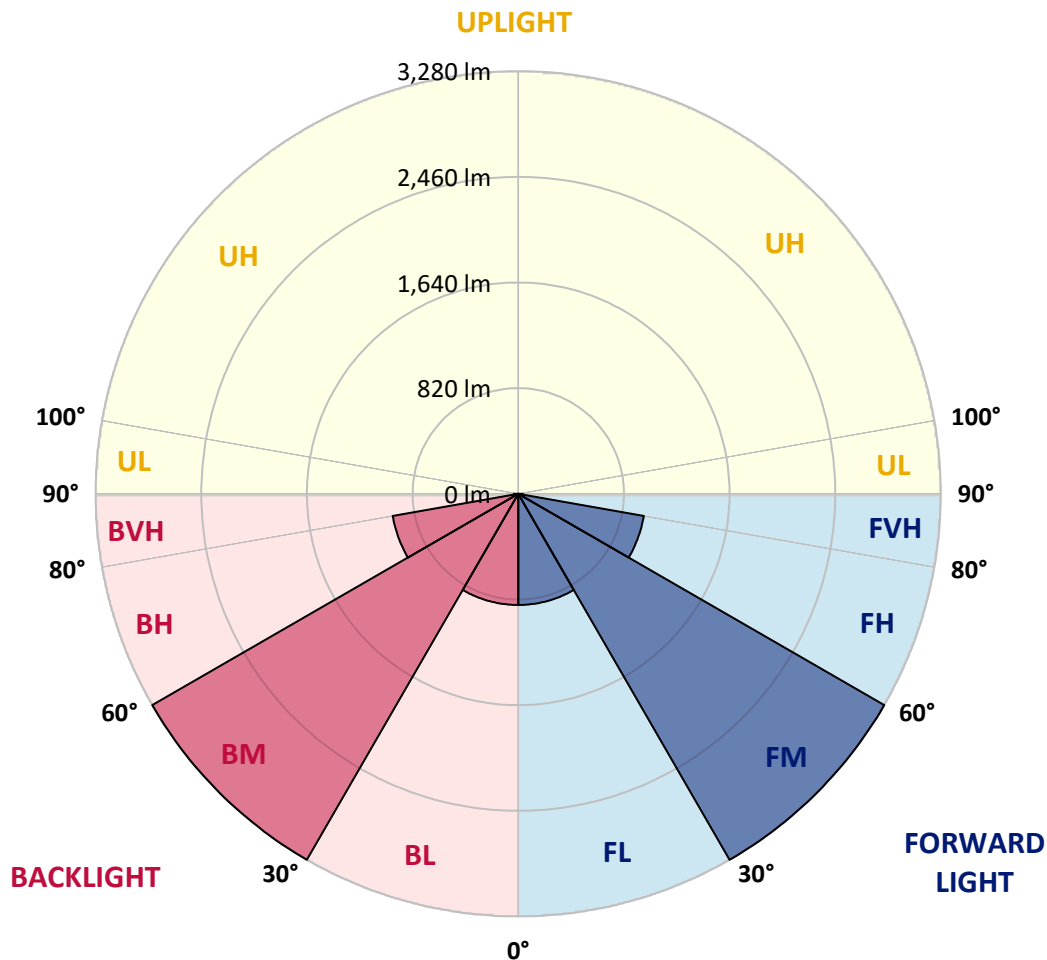
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	862.4	8.3			
FM (30°-60°)	3280.4	31.7			
FH (60°-80°)	989.8	9.6			G1/1800
FVH (80°-90°)	34.4	0.3			G1/100
BL (0°-30°)	862.4	8.3	B2/1000		
BM (30°-60°)	3280.4	31.7	B3/5000		
BH (60°-80°)	989.8	9.6	B2/1000		G1/1800
BVH (80°-90°)	34.4	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°	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0	1996.0
2.5°	1984.1	1998.7	1988.1	1997.4	1996.0	1992.0	1985.5	1981.5	1976.1	1984.1	1970.9
5°	1976.1	1988.1	2000.0	1984.1	1984.1	1976.1	1972.2	1964.2	1964.2	1962.9	1961.6
7.5°	1989.4	1977.5	1972.2	1974.9	1977.5	1960.2	1972.2	1956.3	1943.1	1952.3	1962.9
10°	1977.5	1982.8	1962.9	1972.2	1957.7	1960.2	1952.3	1962.9	1948.3	1948.3	1948.3
12.5°	1989.4	1974.9	1981.5	1974.9	1970.9	1948.3	1959.0	1947.0	1945.7	1959.0	1947.0
15°	2013.2	1989.4	1984.1	1970.9	1974.9	1974.9	1964.2	1965.6	1951.0	1959.0	1961.6
17.5°	2005.3	1992.0	1988.1	1972.2	1985.5	1989.4	1969.6	1956.3	1965.6	1964.2	1962.9
20°	2011.9	2017.2	2013.2	2015.9	2021.2	2010.6	1992.0	1973.6	1961.6	1978.8	1977.5
22.5°	2054.4	2049.0	2046.4	2043.7	2053.0	2063.6	2038.5	2009.3	2009.3	2021.2	2026.5
25°	2088.7	2087.4	2086.1	2098.0	2129.8	2129.8	2098.0	2060.9	2051.7	2059.6	2053.0
27.5°	2139.1	2153.6	2148.4	2169.5	2215.9	2226.5	2184.1	2140.4	2115.3	2106.0	2117.9
30°	2254.3	2237.1	2241.1	2263.6	2304.7	2339.1	2274.2	2227.9	2193.4	2192.1	2197.3
32.5°	2331.1	2344.4	2356.3	2377.5	2442.4	2468.9	2390.7	2315.3	2294.0	2282.1	2286.1
35°	2484.8	2472.9	2470.2	2491.4	2556.3	2600.0	2502.0	2435.8	2408.0	2434.4	2434.4
37.5°	2630.5	2597.4	2572.2	2600.0	2659.6	2664.9	2581.5	2545.7	2531.1	2561.6	2560.3
40°	2699.4	2696.7	2638.4	2654.3	2733.8	2741.8	2663.6	2621.2	2618.6	2658.3	2698.1
42.5°	2770.9	2745.7	2687.4	2698.1	2747.1	2749.7	2675.5	2663.6	2692.7	2731.2	2733.8
45°	2782.8	2761.6	2724.5	2698.1	2733.8	2741.8	2698.1	2706.0	2708.6	2755.0	2755.0
47.5°	2806.7	2804.0	2782.8	2763.0	2769.5	2763.0	2735.1	2747.1	2786.8	2809.3	2798.7
50°	2872.9	2845.0	2866.2	2849.0	2850.4	2868.9	2843.7	2855.7	2847.7	2827.8	2814.6
52.5°	3018.5	3005.3	3023.9	3035.8	3049.0	3091.4	3062.3	2998.7	2939.1	2886.1	2884.8
55°	3231.8	3241.1	3276.9	3337.8	3389.5	3456.9	3316.6	3164.3	3068.9	2985.4	2990.7
57.5°	3433.1	3426.5	3475.5	3614.6	3765.6	3800.1	3524.5	3307.3	3152.4	3099.3	3076.9
59°	3271.5	3303.3	3414.6	3569.5	3806.6	3857.0	3496.7	3190.7	3026.5	2919.3	2937.7
60°	3017.2	3029.2	3128.5	3344.4	3664.9	3751.0	3310.0	3010.6	2792.1	2729.9	2757.6
62.5°	2132.5	2123.2	2194.7	2370.8	2658.3	2774.9	2461.0	2250.3	2112.6	2043.7	2059.6
65°	1133.8	1176.1	1205.3	1315.2	1467.6	1590.7	1460.9	1369.5	1292.7	1235.8	1234.5
67.5°	765.5	760.3	766.9	792.1	843.7	878.1	875.5	829.1	822.5	811.9	823.9
70°	645.0	642.4	630.5	630.5	641.0	649.0	658.3	663.6	674.2	687.4	686.1
72.5°	523.2	516.5	508.6	504.6	517.9	521.9	533.8	539.1	548.3	547.0	558.9
75°	345.7	345.7	354.9	365.6	369.6	377.5	378.8	394.7	394.7	397.4	386.7
77.5°	193.4	188.1	194.7	205.3	214.5	229.1	243.7	255.6	262.2	259.6	259.6
80°	112.6	112.6	119.2	131.2	143.1	156.3	166.9	176.2	182.8	180.2	174.8
82.5°	70.2	70.2	76.8	88.7	98.0	105.9	120.5	132.5	140.4	137.7	131.2
85°	35.8	35.8	43.7	51.7	63.6	68.9	67.6	62.2	60.9	54.3	54.3
87.5°	9.2	9.2	13.2	14.6	11.9	13.2	13.2	13.2	13.2	13.2	14.6
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)