

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: P648808

Luminaire Tested: **GLAN-SA3C-835-U-RW**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648808  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3C-835-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16954.3 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

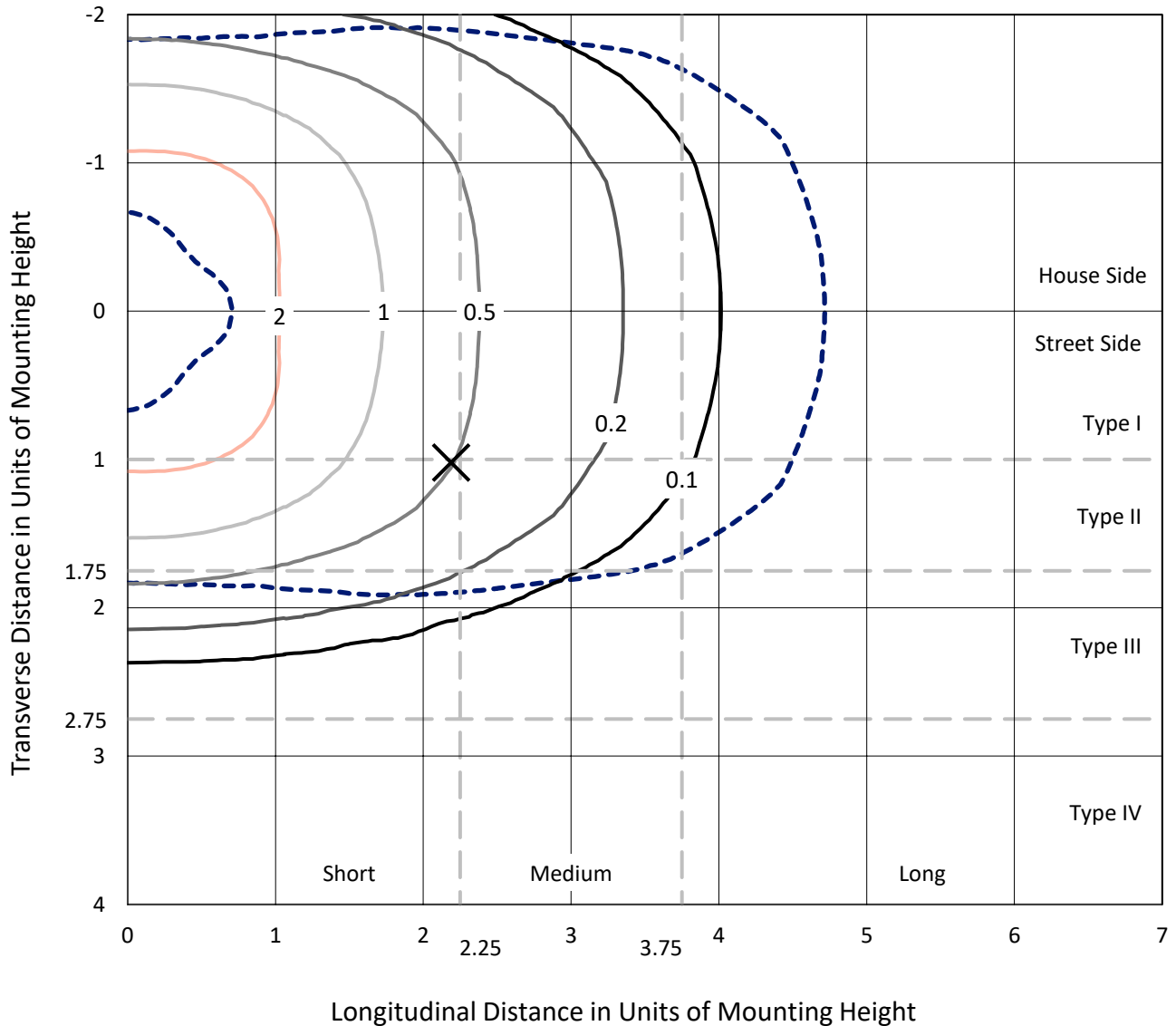
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

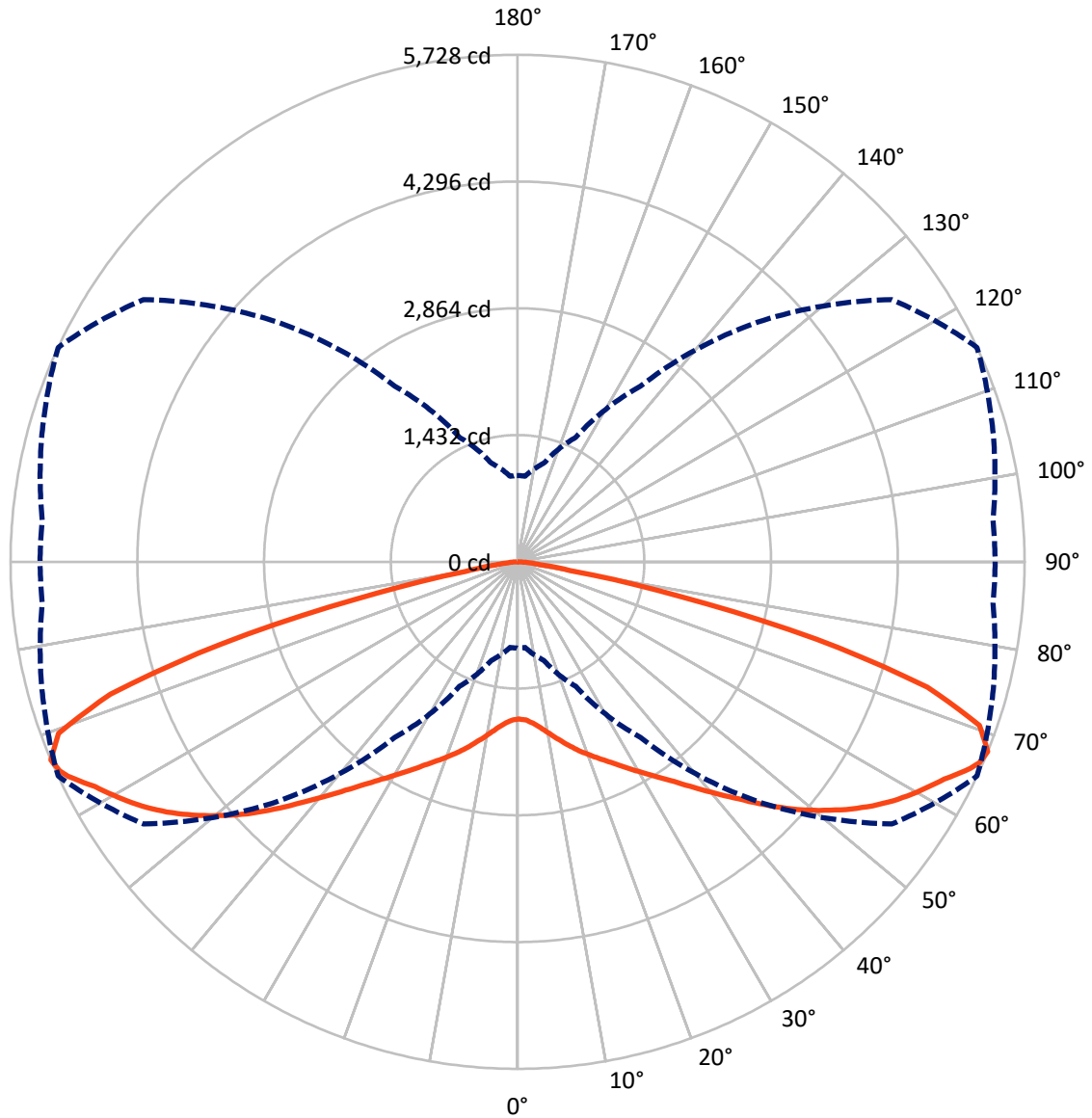
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8477.1	0.0	8477.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8477.1	0.0	8477.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16954.3	0.0	16954.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.1	1.0
10°-20°	586.2	3.5
20°-30°	1146.6	6.8
30°-40°	1950.3	11.5
40°-50°	3086.7	18.2
50°-60°	4092.9	24.1
60°-70°	3860.8	22.8
70°-80°	1908.6	11.3
80°-90°	147.1	0.9
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°	16954.3	100.0
0°-180°	16954.3	100.0

**Coefficient of Utilization**



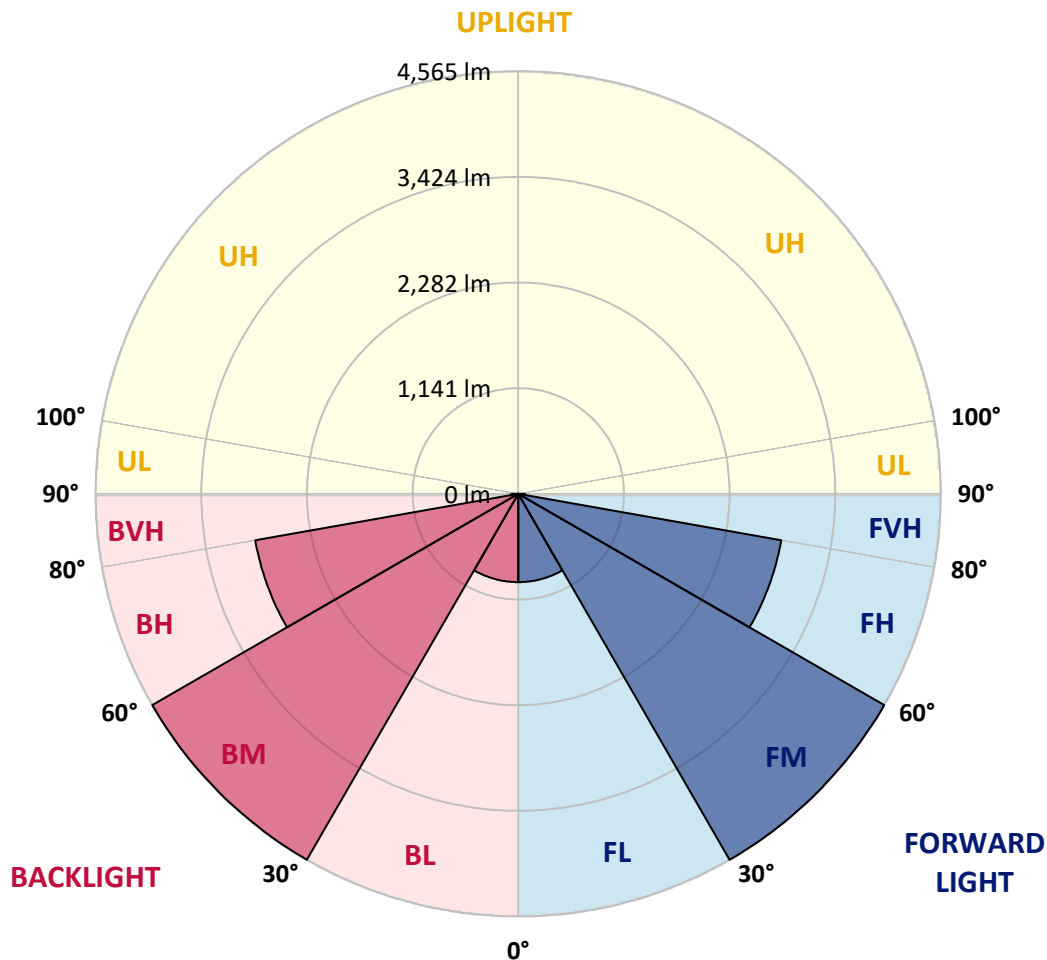
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	954.0	5.6			
FM (30°-60°)	4564.9	26.9			
FH (60°-80°)	2884.7	17.0			G2/5000
FVH (80°-90°)	73.5	0.4			G1/100
BL (0°-30°)	954.0	5.6	B2/1000		
BM (30°-60°)	4564.9	26.9	B3/5000		
BH (60°-80°)	2884.7	17.0	B4/5000		G4/5000
BVH (80°-90°)	73.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8
2.5°	1766.8	1768.6	1770.4	1773.1	1776.7	1782.2	1785.8	1788.5	1795.8	1796.7	1795.8
5°	1760.3	1762.2	1766.8	1774.9	1786.7	1803.1	1815.8	1831.2	1843.0	1851.2	1849.4
7.5°	1759.5	1763.1	1770.4	1787.6	1810.3	1838.5	1867.5	1893.9	1916.6	1934.8	1932.1
10°	1774.0	1778.5	1790.3	1815.8	1851.2	1892.1	1933.0	1972.0	2004.7	2028.4	2036.5
12.5°	1798.6	1802.2	1823.9	1862.1	1912.9	1963.8	2010.2	2058.3	2103.8	2143.7	2143.7
15°	1841.2	1847.6	1874.8	1930.3	1992.9	2051.9	2099.2	2150.0	2199.1	2244.5	2258.2
17.5°	1900.3	1909.3	1950.2	2021.1	2101.0	2155.5	2200.0	2241.8	2284.5	2328.1	2334.4
20°	1981.1	1990.2	2044.6	2130.1	2224.5	2290.0	2319.9	2329.9	2350.8	2392.6	2398.0
22.5°	2091.0	2100.1	2160.9	2257.2	2362.6	2433.5	2446.2	2422.5	2417.1	2449.8	2453.5
25°	2215.4	2223.6	2293.6	2397.2	2506.1	2583.4	2579.7	2521.6	2488.8	2508.8	2514.3
27.5°	2355.3	2367.2	2438.0	2545.2	2663.3	2731.4	2720.5	2636.0	2566.0	2562.4	2564.2
30°	2534.3	2547.0	2614.2	2716.9	2833.1	2895.8	2873.1	2759.5	2651.5	2615.1	2615.1
32.5°	2723.2	2755.0	2823.1	2930.3	3021.1	3066.5	3032.1	2895.8	2752.2	2701.4	2698.7
35°	2969.4	2986.7	3053.9	3158.3	3226.4	3261.9	3195.6	3049.3	2884.0	2824.0	2815.9
37.5°	3210.1	3224.6	3302.8	3402.7	3485.3	3483.5	3393.6	3231.9	3047.5	2980.3	2974.9
40°	3456.2	3471.7	3560.7	3652.5	3735.1	3727.9	3618.9	3438.1	3241.9	3166.5	3181.0
42.5°	3669.7	3687.0	3787.8	3918.6	3993.1	3991.3	3865.0	3661.5	3457.2	3389.9	3402.7
45°	3864.1	3879.5	3996.7	4146.6	4255.6	4269.2	4131.2	3915.9	3706.0	3619.7	3623.4
47.5°	4001.3	4030.3	4153.0	4324.7	4472.7	4520.8	4385.5	4174.7	3933.2	3843.2	3848.7
50°	4105.7	4123.9	4257.4	4452.7	4639.8	4739.7	4630.7	4414.6	4160.2	4064.9	4077.6
52.5°	4118.4	4140.3	4285.6	4510.9	4750.6	4902.4	4848.7	4648.9	4391.8	4293.7	4321.0
55°	4014.9	4027.6	4201.1	4474.5	4794.2	5023.2	5036.8	4866.9	4612.6	4538.1	4556.3
57.5°	3719.6	3752.4	3972.2	4304.6	4734.3	5087.6	5177.6	5064.9	4836.0	4762.4	4791.5
60°	3235.5	3268.2	3489.0	3910.5	4508.1	5057.6	5293.9	5240.2	5038.6	4979.6	4995.0
62.5°	2535.2	2532.5	2805.9	3322.7	4058.4	4910.5	5380.1	5409.2	5238.4	5164.0	5187.5
65°	1643.2	1651.3	1915.7	2472.5	3380.0	4536.3	5399.2	5624.4	5434.6	5322.0	5339.3
66°	1321.6	1346.1	1570.5	2083.7	3033.9	4291.0	5341.9	5688.0	5494.5	5358.3	5366.5
67.5°	975.5	971.0	1155.4	1551.4	2422.5	3825.0	5163.0	5728.0	5562.7	5391.0	5394.6
70°	556.8	555.9	621.3	852.1	1424.3	2693.2	4351.9	5536.4	5700.8	5509.1	5499.1
72.5°	406.9	404.2	413.3	470.5	694.9	1359.8	3002.1	4838.8	5629.9	5490.0	5461.9
75°	341.5	339.7	337.9	345.1	389.7	615.8	1593.2	3480.7	4885.1	5153.0	5124.0
77.5°	278.8	278.8	279.8	278.0	279.8	324.2	660.4	1865.7	2974.9	3320.9	3401.7
80°	218.0	217.1	232.6	226.2	211.6	208.0	292.5	600.4	987.4	981.9	810.2
82.5°	160.7	149.9	177.1	172.6	156.2	132.6	170.8	256.1	329.7	214.4	158.9
85°	101.7	100.9	125.4	114.5	95.4	62.6	81.7	109.9	136.2	82.7	67.2
87.5°	18.2	17.2	39.9	29.0	29.0	18.2	22.7	30.0	44.5	30.9	22.7
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)