

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: McGRAW-EDISON

Report Number: P652261

Luminaire Tested: **GALN-SA3B-840-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-840-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9813.6 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

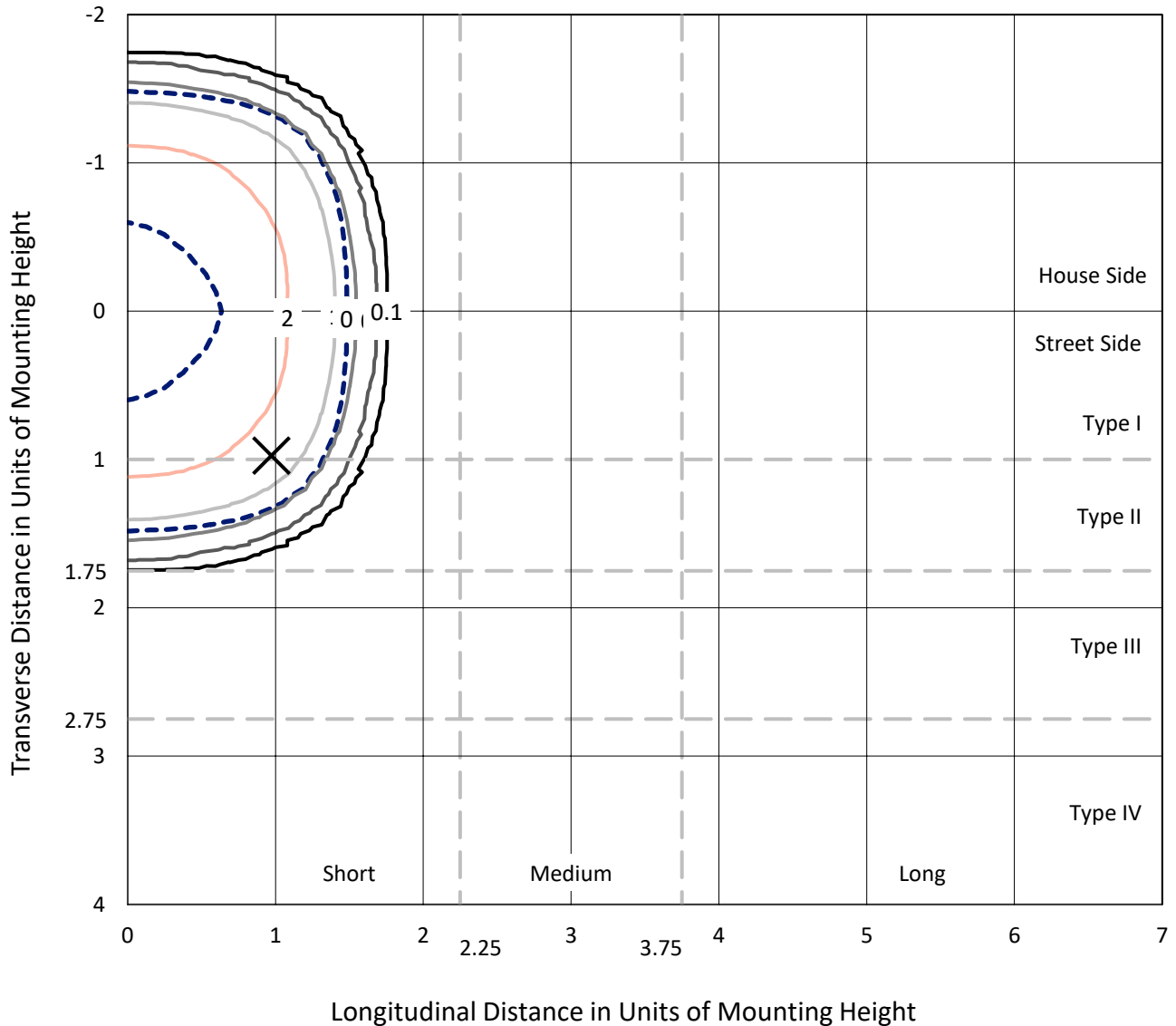
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

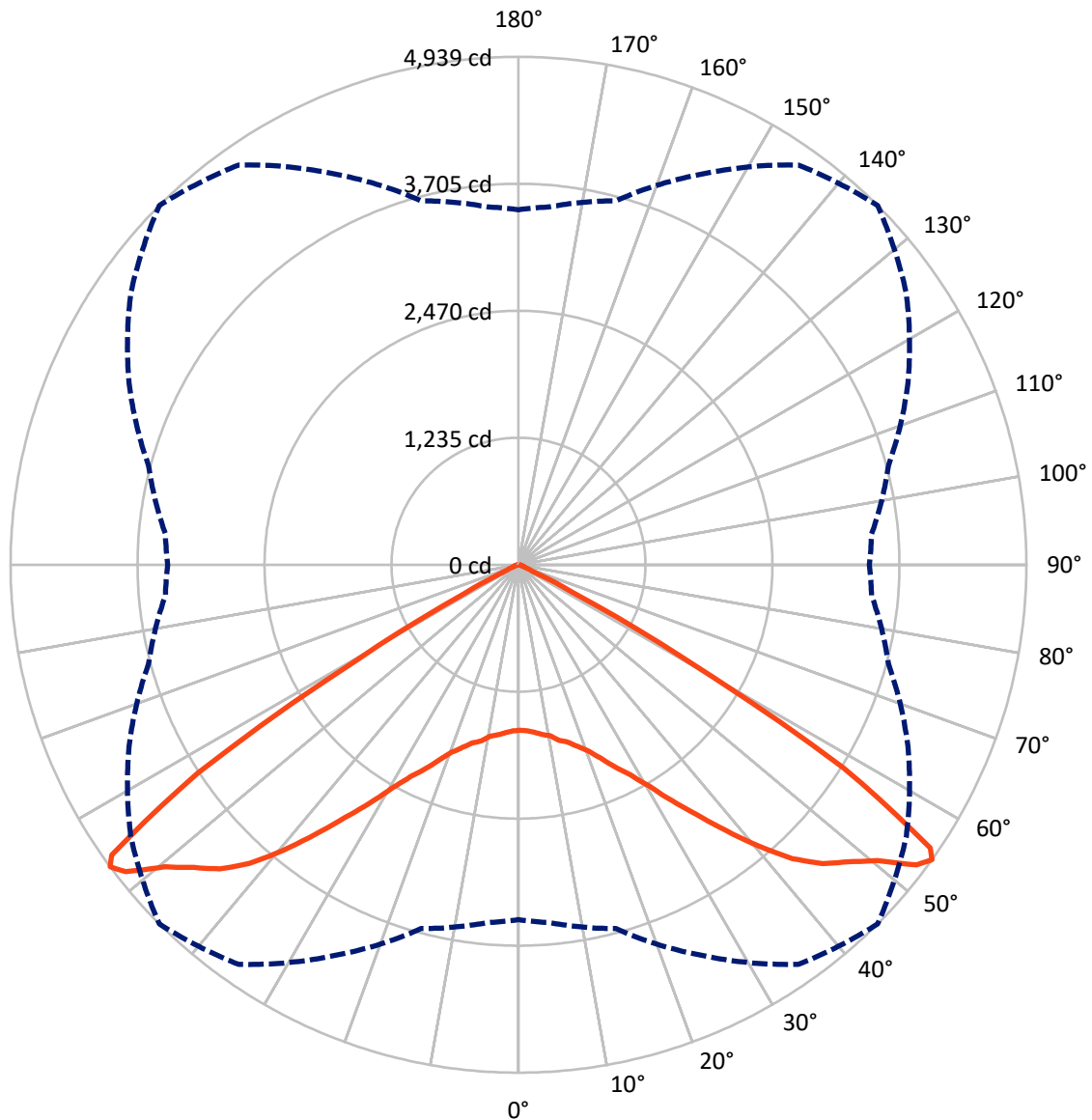
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4906.8	0.0	4906.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4906.8	0.0	4906.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9813.6	0.0	9813.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.5	1.6
10°-20°	510.0	5.2
20°-30°	999.6	10.2
30°-40°	1797.5	18.3
40°-50°	3077.0	31.4
50°-60°	2977.3	30.3
60°-70°	254.9	2.6
70°-80°	30.2	0.3
80°-90°	9.5	0.1
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°	9813.6	100.0
0°-180°	9813.6	100.0

Coefficient of Utilization

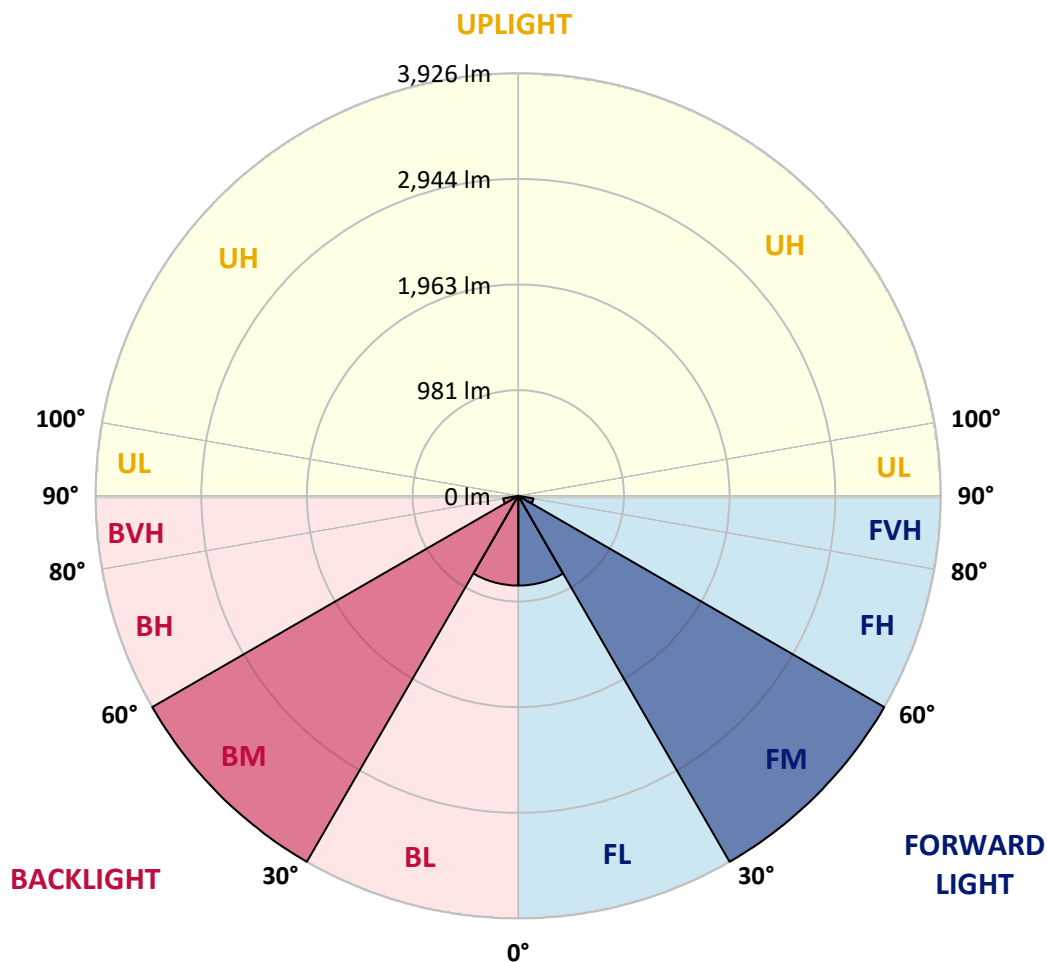


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	833.6	8.5			
FM (30°-60°)	3926.0	40.0			
FH (60°-80°)	142.5	1.5			G0/660
FVH (80°-90°)	4.7	0.0			G0/10
BL (0°-30°)	833.6	8.5	B2/1000		
BM (30°-60°)	3926.0	40.0	B3/5000		
BH (60°-80°)	142.5	1.5	B1/500		G0/660
BVH (80°-90°)	4.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1609.2	1609.2	1609.2	1609.2	1609.2	1609.2	1609.2	1609.2	1609.2	1609.2	1609.2
2.5°	1616.9	1626.2	1620.0	1624.6	1624.6	1616.9	1621.5	1602.9	1615.3	1606.1	1607.6
5°	1641.8	1640.2	1640.2	1641.8	1635.6	1638.7	1632.5	1626.2	1621.5	1615.3	1634.0
7.5°	1672.8	1672.8	1662.0	1665.1	1662.0	1666.7	1654.2	1641.8	1637.1	1632.5	1629.4
10°	1702.4	1699.3	1694.6	1708.7	1697.7	1691.5	1685.3	1677.5	1660.5	1654.2	1648.0
12.5°	1745.9	1744.4	1738.2	1752.1	1745.9	1752.1	1728.8	1708.7	1705.5	1685.3	1696.2
15°	1797.2	1811.3	1800.3	1800.3	1797.2	1789.5	1780.1	1770.8	1742.8	1735.1	1736.6
17.5°	1864.1	1859.5	1861.0	1861.0	1876.5	1856.3	1837.7	1814.4	1800.3	1795.7	1780.1
20°	1927.8	1934.0	1932.5	1943.4	1952.7	1930.9	1910.8	1907.6	1868.8	1875.0	1853.2
22.5°	2039.8	2035.1	2042.9	2050.7	2044.5	2041.4	2022.7	1999.4	1965.2	1949.6	1946.5
25°	2157.9	2150.2	2136.1	2154.8	2164.1	2178.2	2142.4	2130.0	2077.1	2053.8	2055.3
27.5°	2259.0	2269.9	2285.4	2293.2	2316.5	2311.8	2287.0	2246.6	2206.1	2179.7	2162.6
30°	2397.4	2403.6	2430.0	2440.9	2481.3	2492.2	2453.4	2406.7	2335.2	2301.0	2280.8
32.5°	2524.9	2568.4	2566.8	2621.2	2686.6	2731.7	2661.7	2590.2	2518.6	2478.2	2442.4
35°	2731.7	2723.8	2768.9	2826.4	2932.2	2983.5	2907.3	2824.9	2716.1	2650.7	2622.8
37.5°	2924.4	2927.5	2988.2	3079.9	3201.2	3280.5	3213.6	3078.3	2966.4	2882.4	2843.6
40°	3204.3	3210.5	3272.7	3376.9	3513.6	3599.1	3521.4	3384.6	3235.3	3170.1	3170.1
42.5°	3532.3	3558.8	3599.1	3689.3	3812.2	3907.0	3837.1	3729.8	3579.0	3495.0	3507.5
45°	3869.7	3882.1	3908.5	4042.3	4099.8	4146.4	4081.1	4031.3	3930.3	3827.7	3810.6
47.5°	4185.3	4189.9	4267.7	4309.7	4354.8	4315.9	4357.9	4292.5	4179.1	4079.6	4059.3
50°	4325.2	4317.4	4427.9	4555.3	4589.5	4521.1	4485.4	4441.8	4269.3	4149.5	4096.7
52.5°	3917.9	3963.0	4168.2	4522.6	4790.1	4847.6	4639.3	4438.7	4116.9	3883.7	3847.9
54°	3451.5	3493.4	3662.9	4188.4	4745.0	4939.4	4603.5	4177.5	3723.5	3446.8	3411.0
55°	2989.8	2943.1	3250.9	3787.3	4533.6	4858.5	4462.0	3840.2	3320.9	3067.5	3017.7
57.5°	1618.4	1626.2	1885.9	2392.7	3185.6	3725.1	3289.7	2597.9	1962.1	1677.5	1652.6
60°	513.1	525.5	639.0	967.1	1522.0	1817.5	1557.8	1043.2	721.4	578.4	555.1
62.5°	160.1	166.3	181.9	270.5	416.6	595.4	466.4	279.9	208.3	191.2	194.4
65°	98.0	98.0	99.5	105.7	124.4	144.6	139.9	122.8	118.2	115.0	113.5
67.5°	63.7	62.1	65.3	70.0	73.1	74.6	79.3	83.9	82.4	79.3	79.3
70°	38.9	37.3	40.5	46.7	48.2	51.3	56.0	62.1	60.6	57.5	59.0
72.5°	21.8	21.8	23.3	28.0	32.6	35.7	40.5	45.1	46.7	45.1	45.1
75°	7.7	9.3	12.4	17.1	20.2	24.9	29.5	34.2	38.9	35.7	34.2
77.5°	3.1	3.1	6.2	10.8	15.6	20.2	28.0	32.6	35.7	32.6	29.5
80°	1.5	1.5	4.6	9.3	14.0	18.7	23.3	28.0	29.5	26.4	23.3
82.5°	1.5	1.5	4.6	9.3	14.0	17.1	24.9	28.0	31.1	28.0	23.3
85°	0.0	1.5	4.6	9.3	12.4	14.0	14.0	9.3	7.7	4.6	4.6
87.5°	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)