

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: P652273

Luminaire Tested: **GALN-SA3B-840-U-RW**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652273  
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: McGRAW-EDISON  
Catalog Number: GALN-SA3B-840-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14739.4 lumens  
Efficiency: N/A  
Efficacy: 121.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

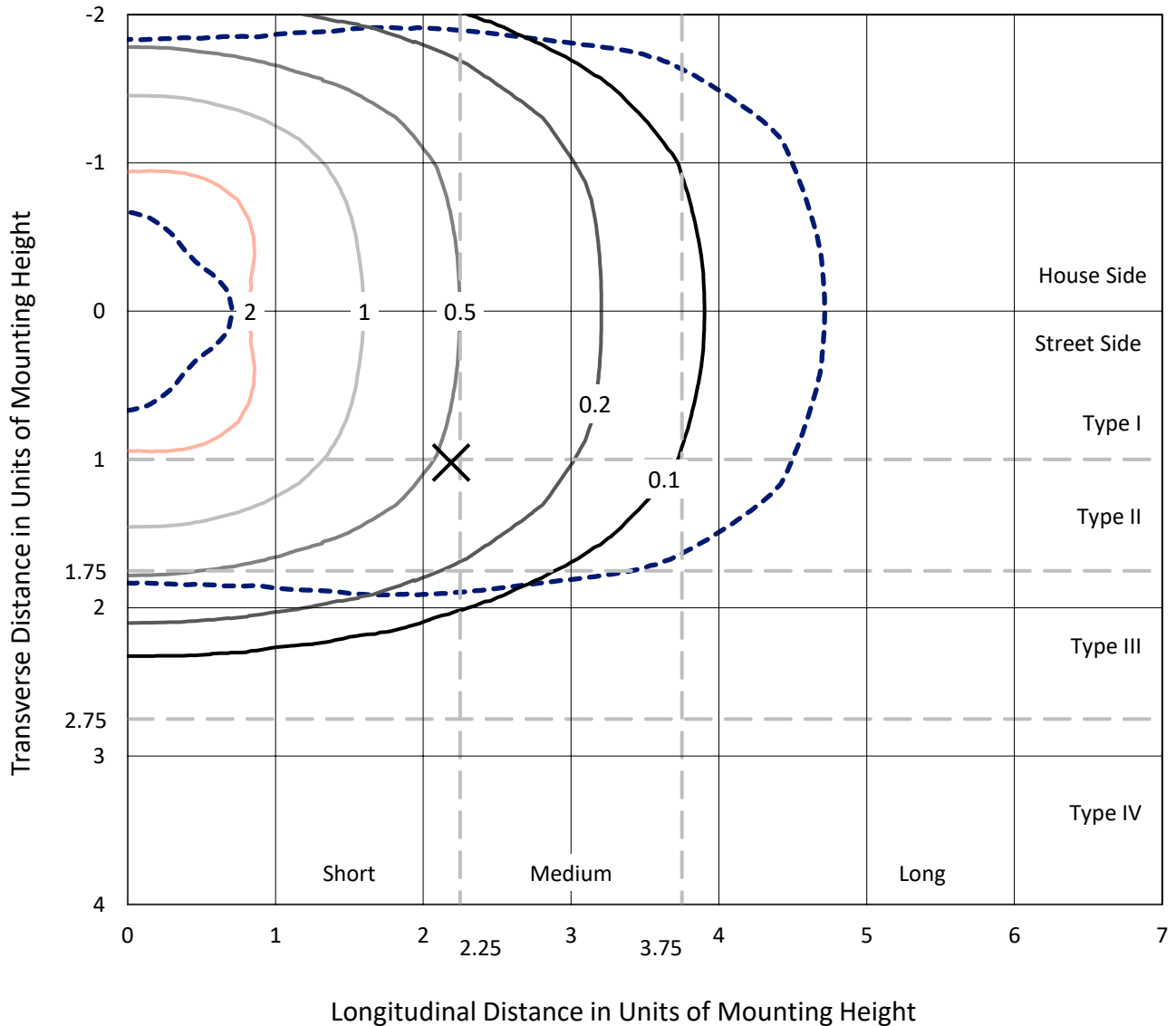
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

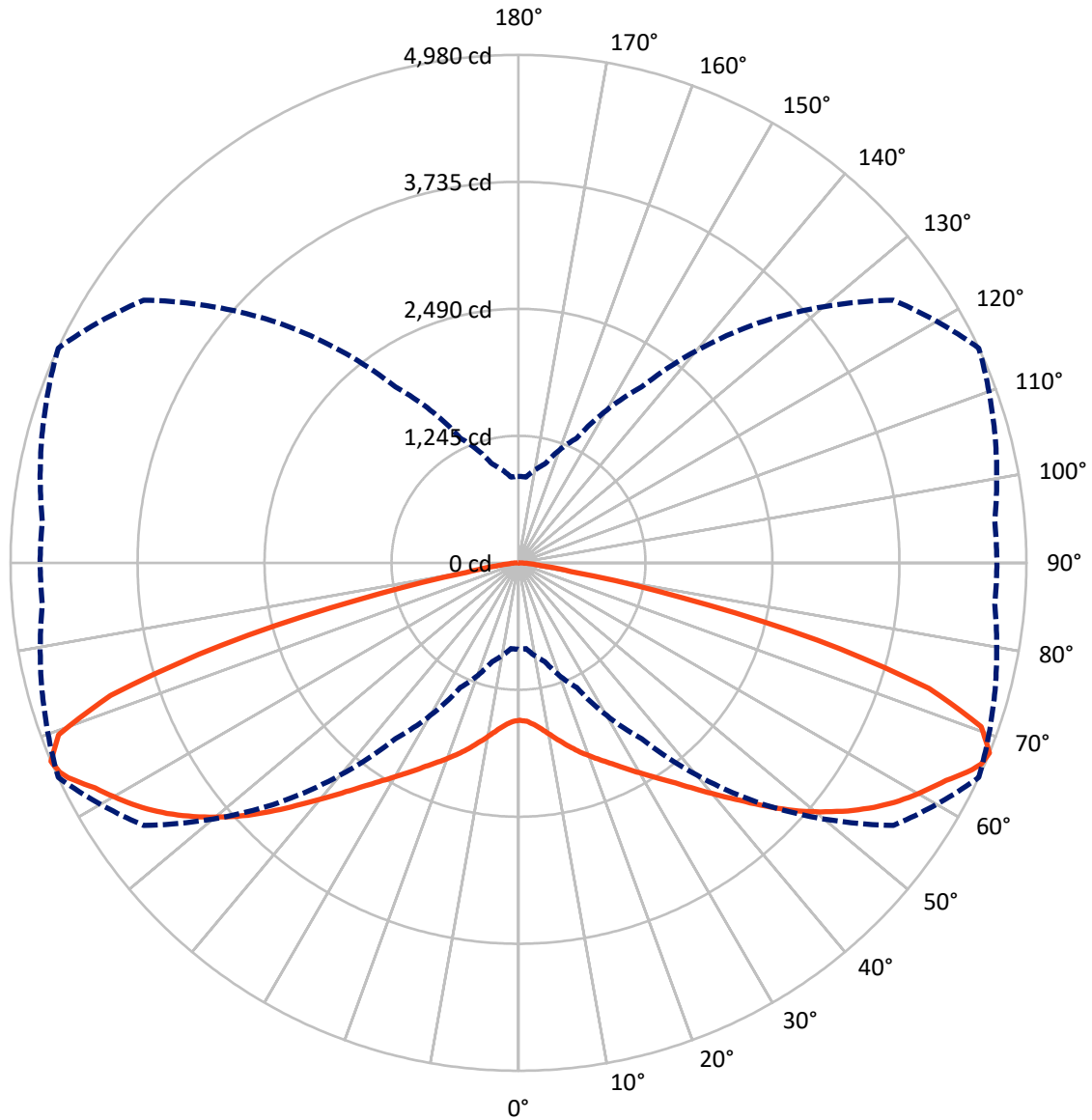
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	7369.7	0.0	7369.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7369.7	0.0	7369.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14739.4	0.0	14739.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.3	1.0
10°-20°	509.6	3.5
20°-30°	996.8	6.8
30°-40°	1695.5	11.5
40°-50°	2683.4	18.2
50°-60°	3558.2	24.1
60°-70°	3356.5	22.8
70°-80°	1659.3	11.3
80°-90°	127.9	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°	14739.4	100.0
0°-180°	14739.4	100.0

**Coefficient of Utilization**

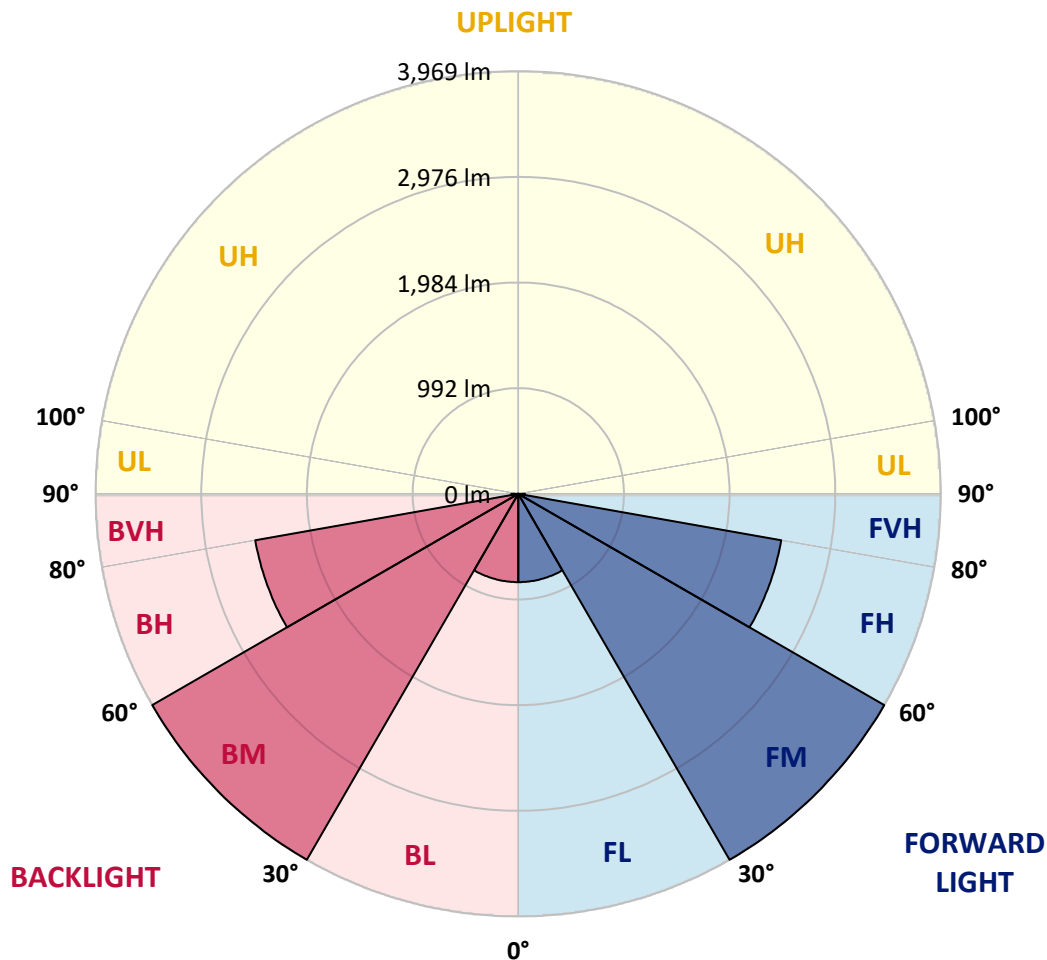


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	829.3	5.6			
FM (30°-60°)	3968.5	26.9			
FH (60°-80°)	2507.9	17.0			G2/5000
FVH (80°-90°)	63.9	0.4			G1/100
BL (0°-30°)	829.3	5.6	B2/1000		
BM (30°-60°)	3968.5	26.9	B3/5000		
BH (60°-80°)	2507.9	17.0	B4/5000		G4/5000
BVH (80°-90°)	63.9	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°	1543.8	1543.8	1543.8	1543.8	1543.8	1543.8	1543.8	1543.8	1543.8	1543.8	1543.8
2.5°	1535.9	1537.5	1539.1	1541.5	1544.6	1549.4	1552.5	1554.8	1561.2	1562.0	1561.2
5°	1530.4	1532.0	1535.9	1543.1	1553.3	1567.5	1578.6	1592.0	1602.3	1609.3	1607.8
7.5°	1529.6	1532.7	1539.1	1554.1	1573.8	1598.3	1623.6	1646.5	1666.2	1682.0	1679.6
10°	1542.2	1546.2	1556.4	1578.6	1609.3	1644.9	1680.4	1714.4	1742.8	1763.3	1770.5
12.5°	1563.6	1566.7	1585.7	1618.8	1663.1	1707.3	1747.5	1789.4	1828.9	1863.7	1863.7
15°	1600.7	1606.2	1629.9	1678.0	1732.5	1783.8	1825.0	1869.2	1911.8	1951.3	1963.1
17.5°	1652.0	1659.9	1695.5	1757.0	1826.5	1873.9	1912.6	1948.9	1986.0	2024.0	2029.5
20°	1722.3	1730.2	1777.5	1851.8	1933.9	1990.8	2016.8	2025.5	2043.7	2080.0	2084.8
22.5°	1817.8	1825.7	1878.6	1962.4	2054.0	2115.5	2126.6	2106.0	2101.3	2129.7	2132.9
25°	1926.1	1933.1	1993.9	2084.0	2178.7	2245.8	2242.7	2192.2	2163.7	2181.0	2185.8
27.5°	2047.7	2057.9	2119.5	2212.7	2315.4	2374.6	2365.1	2291.6	2230.8	2227.6	2229.2
30°	2203.2	2214.3	2272.7	2361.9	2463.0	2517.4	2497.8	2399.0	2305.1	2273.5	2273.5
32.5°	2367.4	2395.1	2454.3	2547.5	2626.4	2666.0	2635.9	2517.4	2392.7	2348.5	2346.1
35°	2581.4	2596.4	2654.9	2745.7	2804.9	2835.8	2778.1	2650.9	2507.2	2455.1	2448.0
37.5°	2790.7	2803.4	2871.3	2958.1	3030.0	3028.4	2950.2	2809.7	2649.4	2591.0	2586.2
40°	3004.7	3018.2	3095.6	3175.3	3247.2	3240.8	3146.1	2988.9	2818.4	2752.8	2765.5
42.5°	3190.3	3205.3	3292.9	3406.6	3471.4	3469.9	3360.0	3183.2	3005.5	2947.1	2958.1
45°	3359.3	3372.7	3474.6	3604.9	3699.6	3711.5	3591.5	3404.3	3221.9	3146.9	3150.0
47.5°	3478.5	3503.8	3610.4	3759.7	3888.4	3930.2	3812.6	3629.3	3419.3	3341.1	3345.8
50°	3569.4	3585.1	3701.2	3871.0	4033.7	4120.6	4025.8	3837.8	3616.7	3533.8	3544.9
52.5°	3580.4	3599.3	3725.7	3921.5	4130.0	4261.9	4215.3	4041.6	3818.1	3732.8	3756.5
55°	3490.4	3501.4	3652.3	3890.0	4167.9	4366.9	4378.8	4231.1	4010.0	3945.2	3961.0
57.5°	3233.7	3262.2	3453.2	3742.3	4115.8	4423.0	4501.2	4403.2	4204.2	4140.2	4165.6
60°	2812.8	2841.2	3033.2	3399.6	3919.1	4396.9	4602.2	4555.6	4380.3	4329.0	4342.4
62.5°	2204.0	2201.7	2439.3	2888.7	3528.2	4269.0	4677.2	4702.5	4554.1	4489.3	4509.9
65°	1428.5	1435.7	1665.4	2149.5	2938.4	3943.6	4693.9	4889.7	4724.7	4626.7	4641.7
66°	1149.0	1170.3	1365.4	1811.5	2637.5	3730.4	4644.1	4945.0	4776.8	4658.3	4665.4
67.5°	848.1	844.2	1004.5	1348.8	2106.0	3325.3	4488.5	4979.7	4836.0	4686.7	4689.9
70°	484.1	483.3	540.2	740.8	1238.2	2341.4	3783.3	4813.0	4956.0	4789.4	4780.7
72.5°	353.8	351.4	359.3	409.1	604.1	1182.1	2609.9	4206.6	4894.5	4772.8	4748.3
75°	297.0	295.4	293.8	300.1	338.8	535.4	1385.1	3026.0	4246.9	4479.8	4454.6
77.5°	242.5	242.5	243.2	241.6	243.2	281.9	574.1	1622.0	2586.2	2887.1	2957.4
80°	189.6	188.7	202.2	196.6	184.0	180.8	254.2	522.0	858.4	853.6	704.4
82.5°	139.8	130.3	154.0	150.0	135.8	115.3	148.4	222.7	286.6	186.4	138.2
85°	88.5	87.6	109.0	99.5	82.9	54.5	71.1	95.5	118.4	71.8	58.4
87.5°	15.8	15.0	34.7	25.2	25.2	15.8	19.8	26.1	38.7	26.8	19.8
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)