

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: P527216

Luminaire Tested: **GALN-SA2B-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527216
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-727-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8385 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

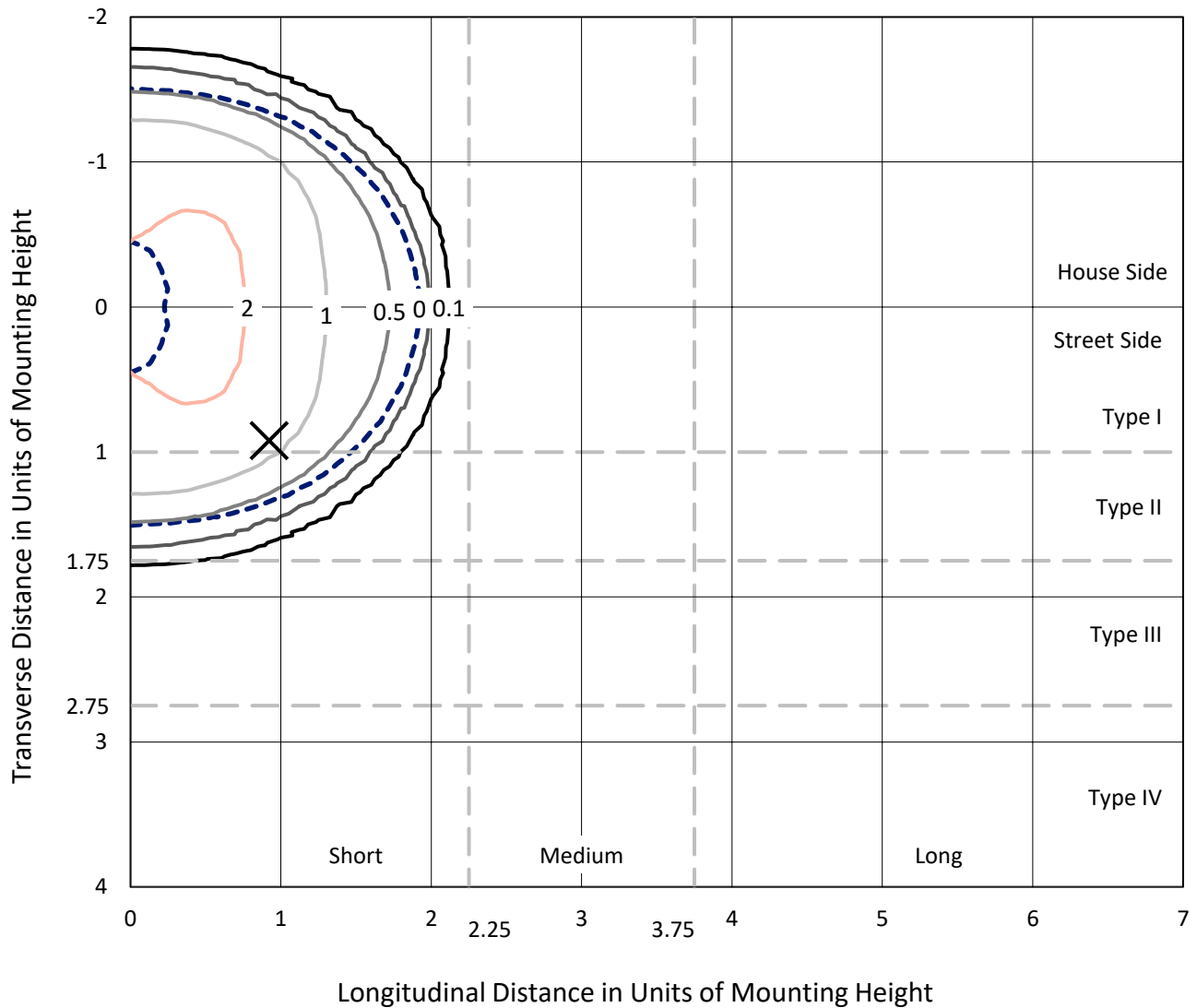
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

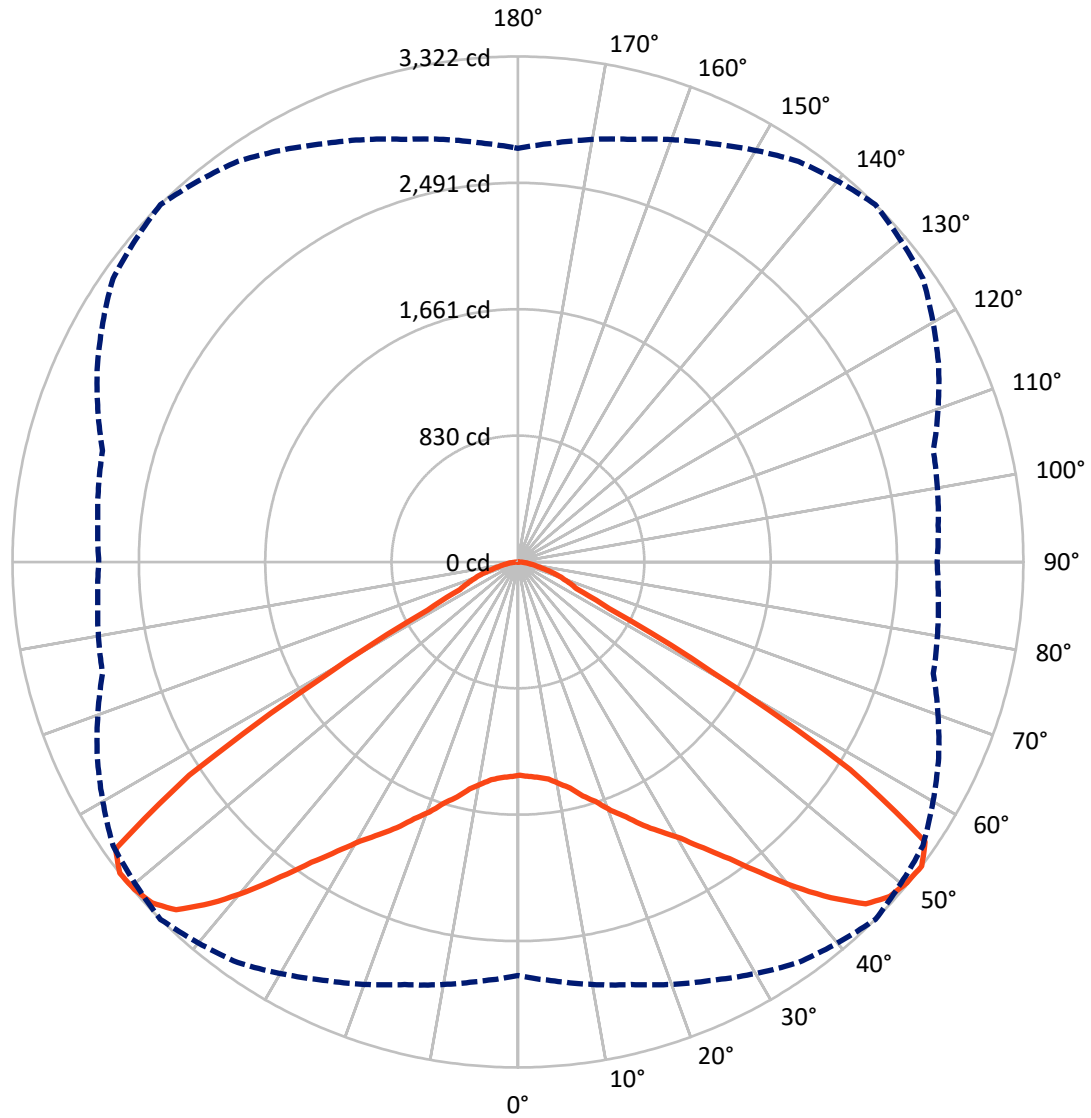
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4192.5	0.0	4192.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4192.5	0.0	4192.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8385.0	0.0	8385.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.7	1.6
10°-20°	452.5	5.4
20°-30°	861.5	10.3
30°-40°	1479.3	17.6
40°-50°	2273.7	27.1
50°-60°	2308.9	27.5
60°-70°	643.4	7.7
70°-80°	189.8	2.3
80°-90°	38.2	0.5
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°	8385.0	100.0
0°-180°	8385.0	100.0

Coefficient of Utilization



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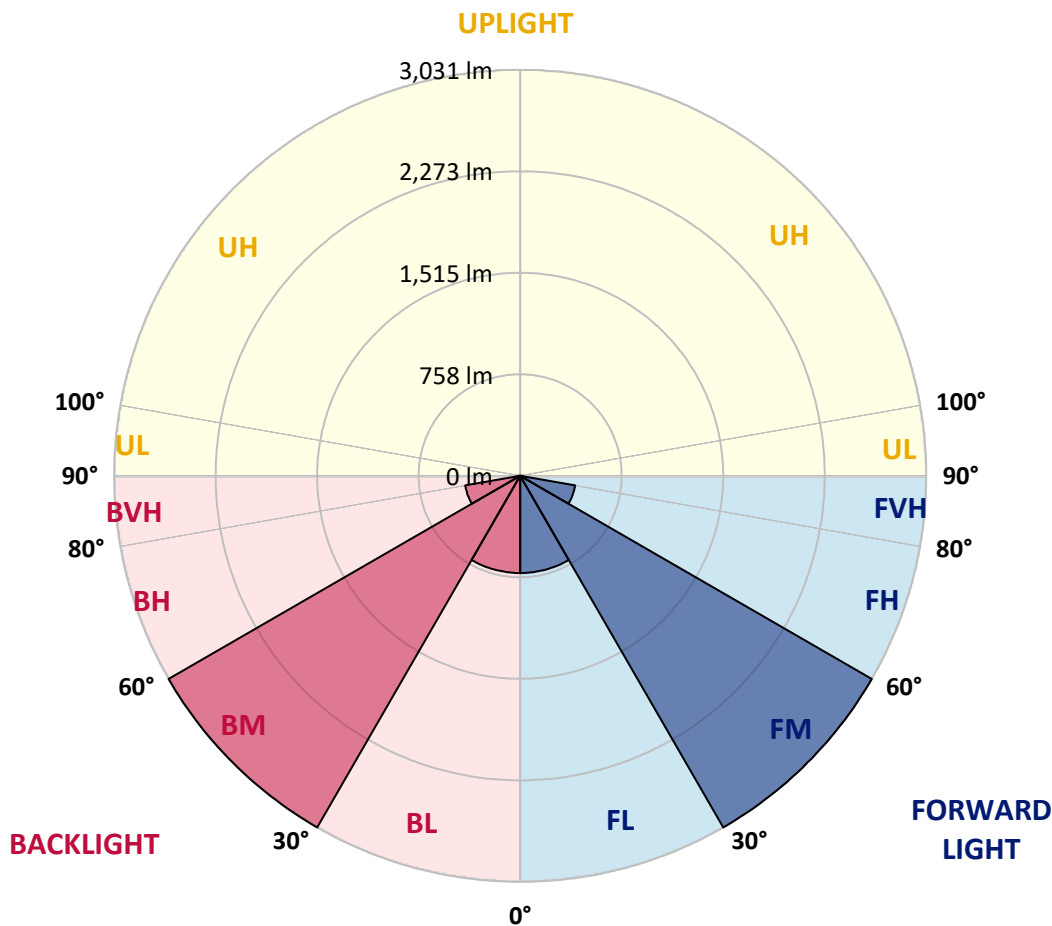
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	725.9	8.7			
FM (30°-60°)	3030.9	36.1			
FH (60°-80°)	416.6	5.0			G0/660
FVH (80°-90°)	19.1	0.2			G1/100
BL (0°-30°)	725.9	8.7	B2/1000		
BM (30°-60°)	3030.9	36.1	B3/5000		
BH (60°-80°)	416.6	5.0	B1/500		G0/660
BVH (80°-90°)	19.1	0.2			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°	1401.7	1401.7	1401.7	1401.7	1401.7	1401.7	1401.7	1401.7	1401.7	1401.7	1401.7
2.5°	1404.8	1390.2	1395.4	1398.5	1412.1	1411.0	1407.9	1412.1	1416.2	1417.3	1415.2
5°	1403.7	1393.3	1397.5	1400.6	1414.2	1421.4	1419.4	1437.0	1449.5	1446.4	1462.0
7.5°	1395.4	1401.7	1396.5	1412.1	1423.5	1441.2	1459.9	1476.6	1492.2	1509.9	1513.0
10°	1414.2	1414.2	1423.5	1436.0	1466.2	1479.7	1506.8	1530.7	1560.9	1581.7	1573.4
12.5°	1433.9	1437.0	1437.0	1469.3	1494.3	1524.5	1549.4	1581.7	1624.3	1649.3	1661.8
15°	1453.7	1455.8	1466.2	1509.9	1547.3	1595.2	1618.1	1647.2	1671.2	1718.0	1719.0
17.5°	1471.4	1482.8	1514.0	1563.0	1609.8	1655.6	1692.0	1722.2	1743.0	1761.7	1757.5
20°	1538.0	1546.3	1578.6	1627.5	1697.2	1741.9	1754.4	1759.6	1773.2	1810.6	1799.2
22.5°	1602.5	1605.6	1635.8	1710.7	1759.6	1818.9	1832.5	1829.3	1834.5	1843.9	1860.6
25°	1669.1	1674.3	1715.9	1779.4	1848.1	1918.8	1930.3	1906.3	1899.1	1909.5	1910.5
27.5°	1754.4	1755.5	1808.5	1863.7	1941.7	2008.3	2026.0	2007.3	1972.9	1981.3	1994.8
30°	1862.6	1855.4	1908.4	1987.5	2069.7	2107.2	2137.4	2128.0	2090.5	2083.2	2071.8
32.5°	1987.5	1989.6	2037.5	2123.8	2177.9	2240.4	2272.6	2257.0	2233.1	2220.6	2227.9
35°	2163.4	2172.7	2205.0	2276.8	2364.2	2395.4	2446.4	2413.1	2350.7	2366.3	2379.8
37.5°	2308.0	2335.1	2395.4	2480.7	2532.8	2590.0	2608.7	2564.0	2518.2	2499.5	2544.2
40°	2529.7	2521.3	2587.9	2673.3	2750.3	2807.5	2783.6	2738.8	2625.4	2626.4	2638.9
42.5°	2720.1	2724.2	2775.2	2877.2	2982.3	3017.7	2941.7	2832.5	2706.6	2693.0	2720.1
45°	2880.3	2897.0	2926.1	3062.4	3165.4	3204.0	3063.5	2934.4	2765.9	2709.7	2754.4
47.5°	2937.6	2964.6	3028.1	3153.0	3254.9	3286.2	3173.8	2988.5	2821.0	2729.4	2753.4
50°	2945.9	2936.5	3040.6	3155.0	3244.5	3312.2	3213.3	3028.1	2807.5	2759.6	2752.3
52.5°	2718.0	2763.8	2875.1	3032.3	3213.3	3321.5	3248.7	3049.9	2826.2	2772.1	2754.4
55°	2199.8	2145.7	2348.6	2612.9	2945.9	3246.6	3236.2	3061.4	2837.7	2792.9	2769.0
57.5°	1227.9	1243.5	1358.0	1645.2	2074.9	2574.4	2877.2	2940.7	2832.5	2806.4	2818.9
60°	568.2	573.4	622.3	756.5	1022.9	1459.9	1858.5	2263.3	2449.5	2487.0	2487.0
62.5°	423.5	421.4	433.9	457.9	514.0	671.2	895.9	1217.5	1473.5	1652.4	1699.3
65°	382.9	381.9	388.1	396.5	400.6	422.5	472.4	571.3	654.5	702.4	694.1
67.5°	335.1	334.0	336.1	341.3	348.6	360.0	372.5	393.3	422.5	420.4	415.2
70°	270.6	270.6	273.7	277.8	286.2	299.7	314.3	328.8	353.8	359.0	358.0
72.5°	199.8	196.7	202.9	211.2	219.6	236.2	251.8	265.3	283.0	288.2	286.2
75°	127.0	129.0	133.2	142.6	157.1	168.6	185.2	196.7	208.1	212.3	213.3
77.5°	70.8	72.8	80.1	91.6	106.1	118.6	133.2	142.6	149.8	150.9	151.9
80°	42.7	43.7	51.0	61.4	73.9	87.4	98.9	108.2	114.5	111.3	110.3
82.5°	26.0	27.1	33.3	42.7	53.1	63.5	76.0	84.3	90.5	86.4	82.2
85°	13.5	14.6	19.8	26.0	34.3	39.5	39.5	35.4	34.3	32.3	31.2
87.5°	4.2	4.2	5.2	6.2	5.2	6.2	7.3	8.3	8.3	9.4	8.3
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)