

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: P648313

Luminaire Tested: **GALN-SA3B-835-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648313
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-835-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13722.9 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

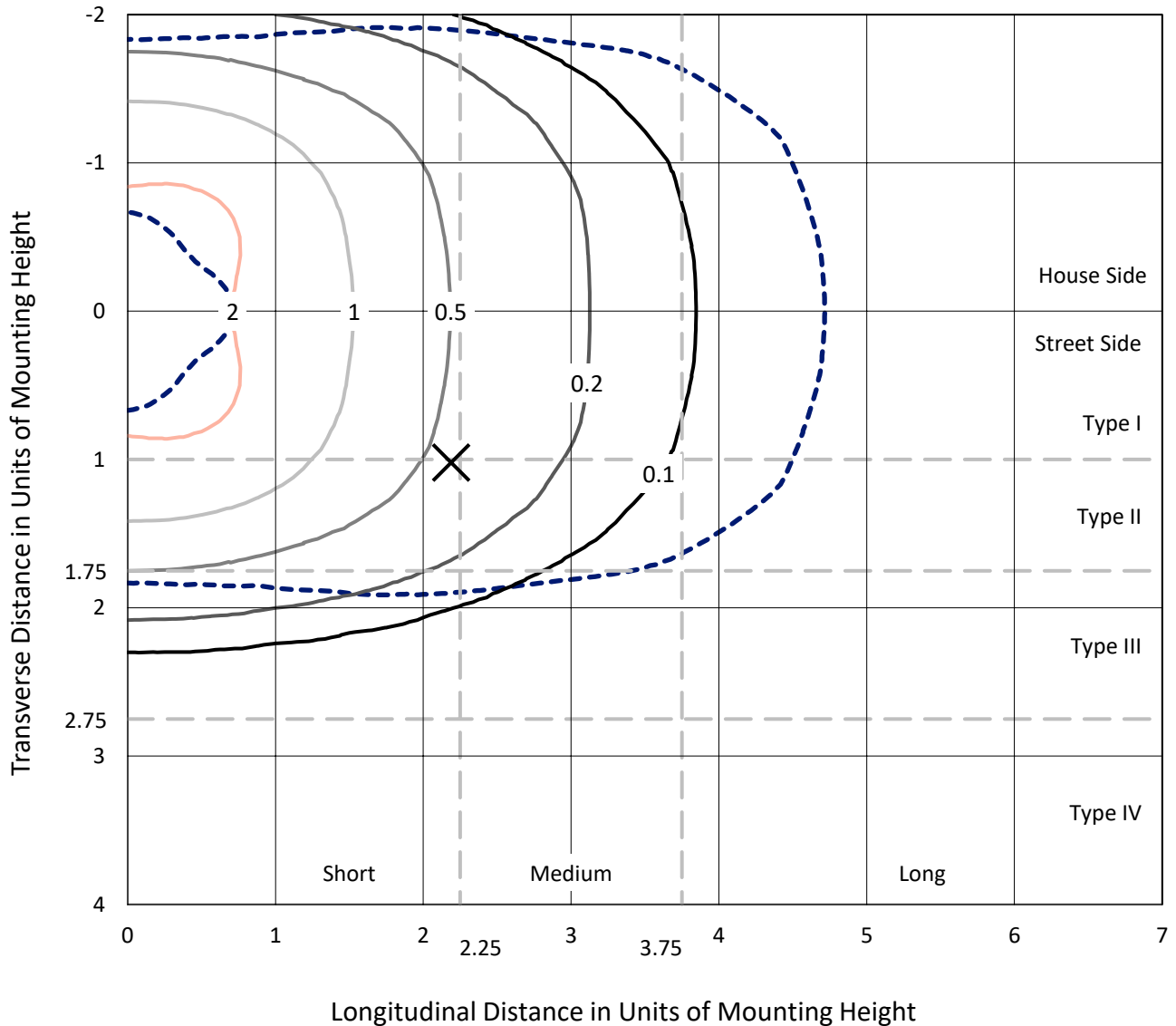
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

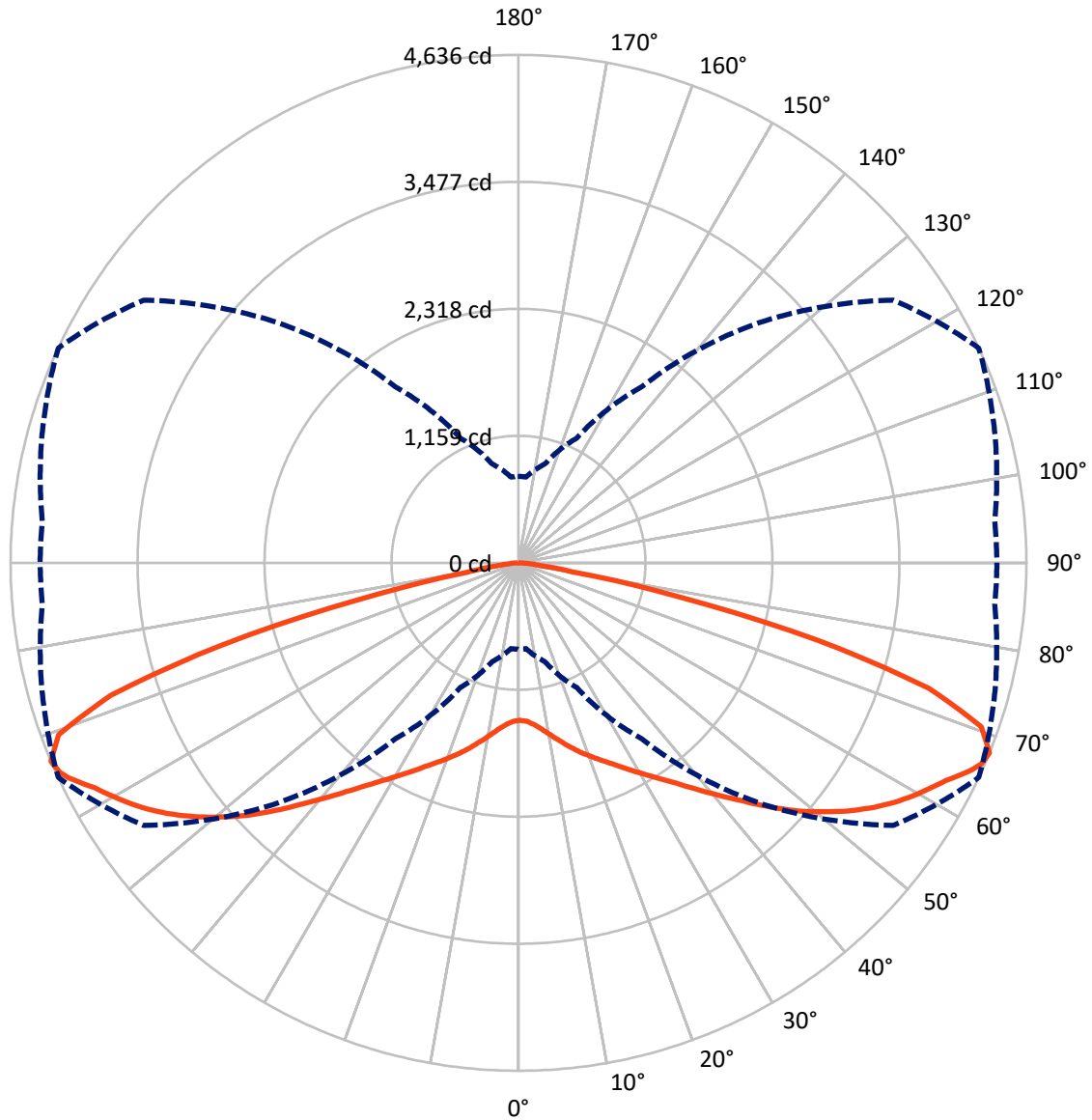
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type 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
House Side	Lumens	6861.4	0.0	6861.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6861.4	0.0	6861.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	13722.9	0.0	13722.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.8	1.0
10°-20°	474.5	3.5
20°-30°	928.1	6.8
30°-40°	1578.5	11.5
40°-50°	2498.4	18.2
50°-60°	3312.8	24.1
60°-70°	3125.0	22.8
70°-80°	1544.8	11.3
80°-90°	119.0	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°	13722.9	100.0
0°-180°	13722.9	100.0

Coefficient of Utilization

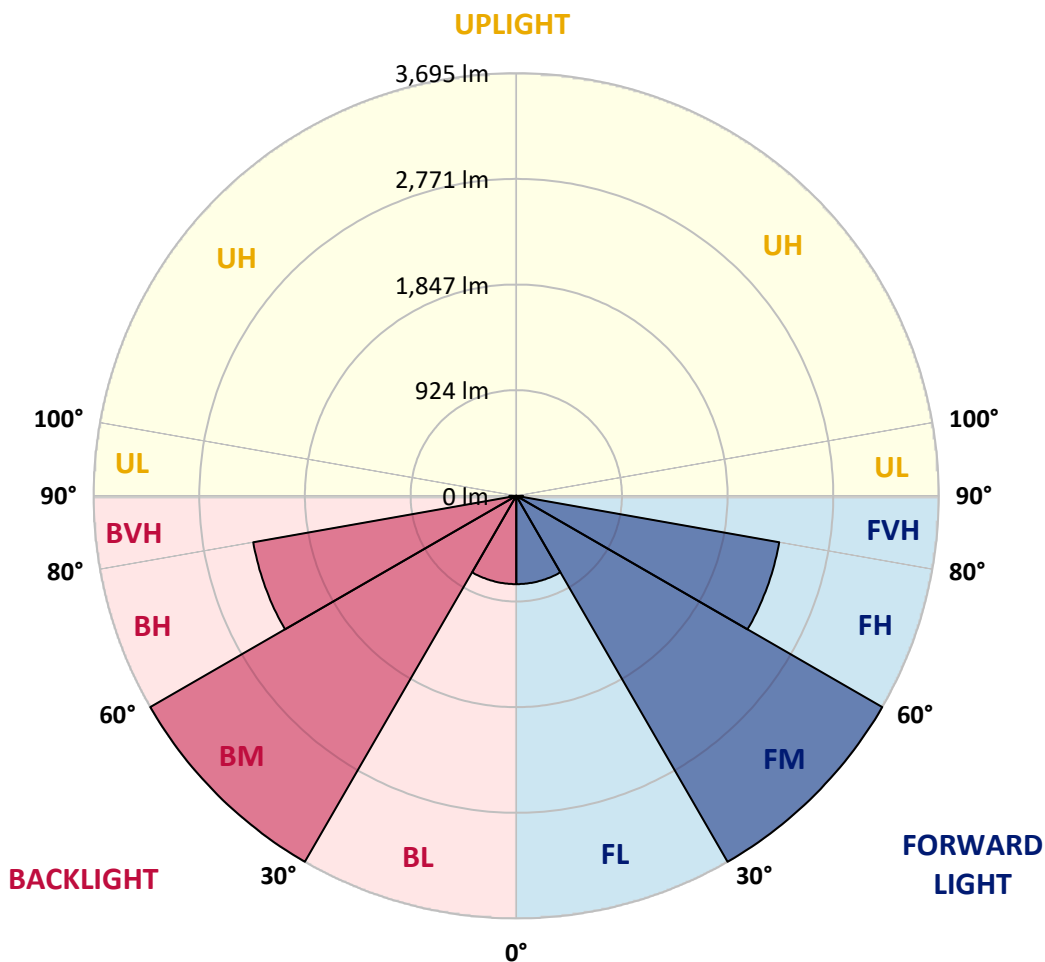


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	772.2	5.6			
FM (30°-60°)	3694.8	26.9			
FH (60°-80°)	2334.9	17.0			G2/5000
FVH (80°-90°)	59.5	0.4			G1/100
BL (0°-30°)	772.2	5.6	B2/1000		
BM (30°-60°)	3694.8	26.9	B3/5000		
BH (60°-80°)	2334.9	17.0	B3/2500		G3/2500
BVH (80°-90°)	59.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1437.4	1437.4	1437.4	1437.4	1437.4	1437.4	1437.4	1437.4	1437.4	1437.4	1437.4
2.5°	1430.0	1431.5	1433.0	1435.2	1438.1	1442.5	1445.4	1447.6	1453.6	1454.3	1453.6
5°	1424.8	1426.3	1430.0	1436.6	1446.2	1459.4	1469.7	1482.2	1491.8	1498.3	1496.9
7.5°	1424.1	1427.0	1433.0	1446.9	1465.3	1488.1	1511.6	1533.0	1551.3	1566.0	1563.8
10°	1435.9	1439.5	1449.1	1469.7	1498.3	1531.5	1564.5	1596.1	1622.6	1641.7	1648.4
12.5°	1455.8	1458.7	1476.3	1507.2	1548.4	1589.6	1627.0	1666.0	1702.8	1735.1	1735.1
15°	1490.3	1495.5	1517.5	1562.3	1613.1	1660.8	1699.1	1740.3	1780.0	1816.7	1827.8
17.5°	1538.0	1545.4	1578.5	1635.8	1700.5	1744.7	1780.7	1814.5	1849.1	1884.4	1889.5
20°	1603.5	1610.9	1654.9	1724.1	1800.5	1853.5	1877.7	1885.9	1902.8	1936.6	1941.0
22.5°	1692.5	1699.8	1749.1	1827.1	1912.3	1969.6	1980.0	1960.8	1956.4	1982.9	1985.8
25°	1793.2	1799.8	1856.4	1940.3	2028.4	2090.9	2088.0	2041.0	2014.5	2030.6	2035.1
27.5°	1906.4	1916.0	1973.3	2060.1	2155.7	2210.8	2202.0	2133.6	2077.0	2074.0	2075.5
30°	2051.2	2061.6	2116.0	2199.1	2293.2	2343.8	2325.5	2233.6	2146.1	2116.7	2116.7
32.5°	2204.1	2229.9	2285.0	2371.8	2445.3	2482.1	2454.2	2343.8	2227.7	2186.5	2184.3
35°	2403.4	2417.4	2471.8	2556.3	2611.5	2640.2	2586.5	2468.1	2334.3	2285.8	2279.2
37.5°	2598.2	2610.1	2673.2	2754.1	2821.0	2819.6	2746.8	2615.9	2466.7	2412.3	2407.8
40°	2797.5	2810.0	2882.1	2956.3	3023.2	3017.3	2929.1	2782.8	2624.0	2563.0	2574.7
42.5°	2970.3	2984.2	3065.8	3171.7	3232.0	3230.6	3128.3	2963.7	2798.2	2743.9	2754.1
45°	3127.6	3140.1	3235.0	3356.3	3444.5	3455.5	3343.8	3169.5	2999.7	2929.8	2932.8
47.5°	3238.6	3262.1	3361.4	3500.4	3620.2	3659.2	3549.7	3379.0	3183.5	3110.7	3115.1
50°	3323.2	3337.9	3446.0	3604.0	3755.5	3836.4	3748.1	3573.1	3367.3	3290.1	3300.4
52.5°	3333.5	3351.1	3468.8	3651.1	3845.2	3967.9	3924.6	3762.9	3554.7	3475.3	3497.4
55°	3249.7	3259.9	3400.4	3621.7	3880.5	4065.7	4076.8	3939.3	3733.4	3673.1	3687.9
57.5°	3010.7	3037.2	3215.1	3484.2	3831.9	4118.0	4190.8	4099.6	3914.3	3854.7	3878.3
60°	2618.8	2645.3	2824.0	3165.1	3648.9	4093.7	4284.8	4241.4	4078.3	4030.5	4042.9
62.5°	2052.0	2049.8	2271.1	2689.4	3284.9	3974.6	4354.7	4378.2	4240.0	4179.7	4198.8
65°	1330.0	1336.7	1550.6	2001.3	2735.7	3671.6	4370.2	4552.4	4398.8	4307.6	4321.6
66°	1069.7	1089.6	1271.2	1686.6	2455.6	3473.2	4323.8	4604.0	4447.4	4337.0	4343.7
67.5°	789.7	786.0	935.2	1255.8	1960.8	3096.0	4178.9	4636.3	4502.5	4363.5	4366.5
70°	450.7	450.0	502.9	689.7	1152.8	2180.0	3522.4	4481.1	4614.2	4459.1	4451.0
72.5°	329.4	327.1	334.5	380.9	562.4	1100.6	2429.9	3916.5	4556.9	4443.7	4420.8
75°	276.5	275.0	273.5	279.4	315.4	498.5	1289.6	2817.3	3954.0	4170.9	4147.4
77.5°	225.7	225.7	226.4	225.0	226.4	262.5	534.5	1510.2	2407.8	2688.0	2753.4
80°	176.5	175.7	188.2	183.1	171.3	168.3	236.7	486.0	799.2	794.7	655.8
82.5°	130.1	121.3	143.4	139.7	126.5	107.3	138.2	207.3	266.8	173.5	128.6
85°	82.4	81.6	101.5	92.6	77.2	50.7	66.2	88.9	110.2	66.9	54.4
87.5°	14.7	13.9	32.3	23.5	23.5	14.7	18.4	24.3	36.0	25.0	18.4
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)