

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: P528195

Luminaire Tested: **GALN-SA3B-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-735-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9496 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

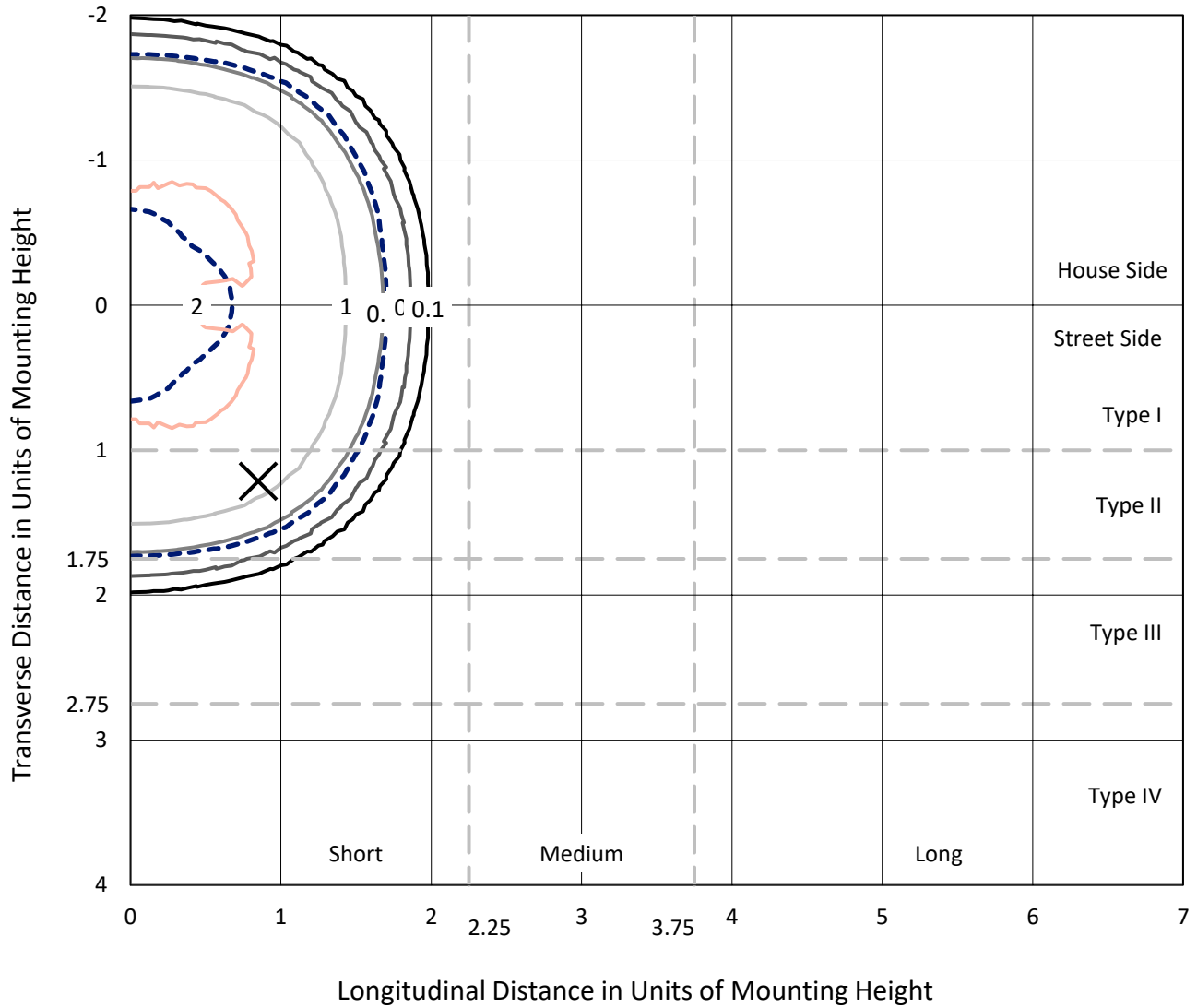
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

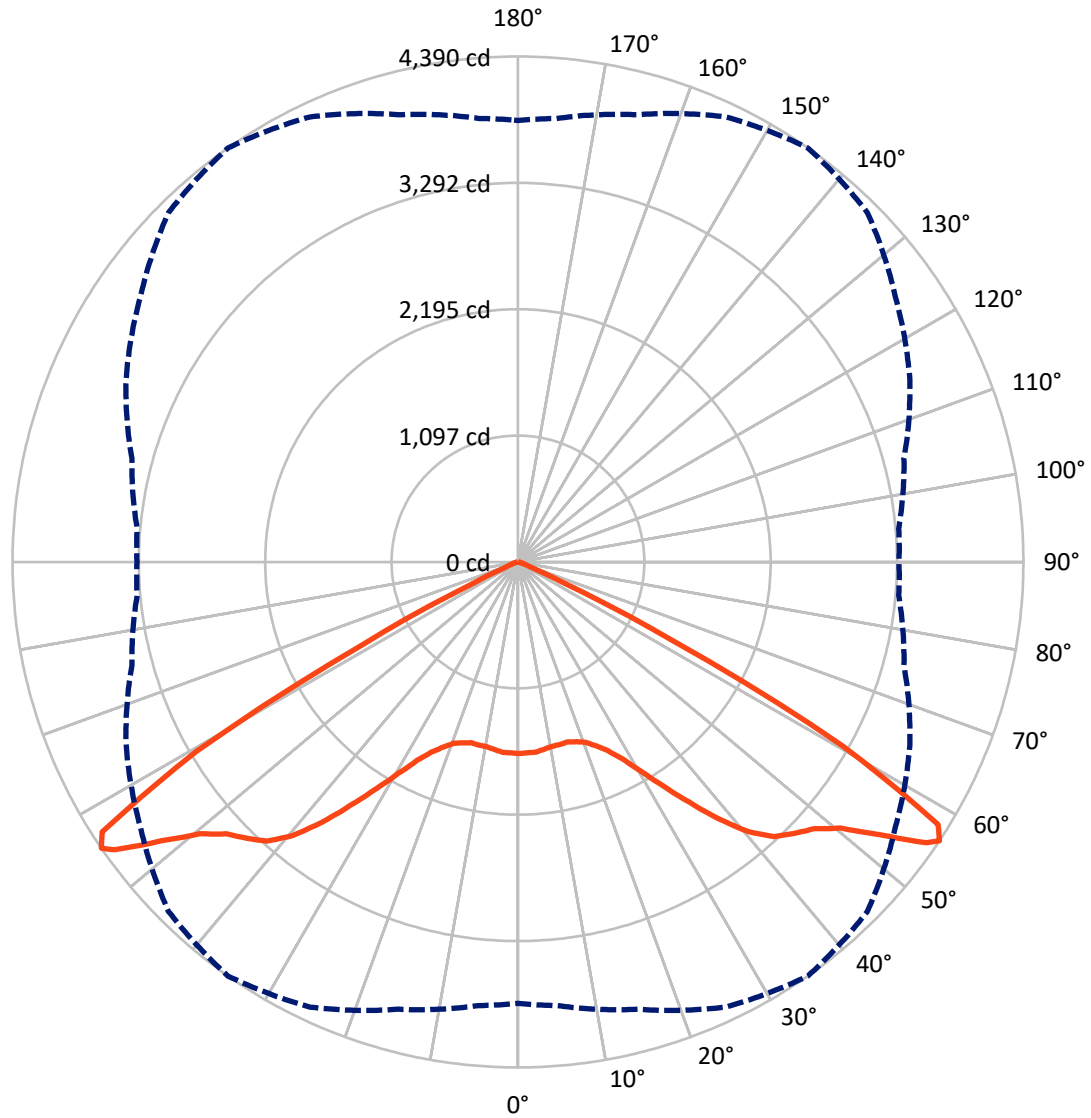
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4748.0	0.0	4748.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4748.0	0.0	4748.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9496.0	0.0	9496.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	1.6
10°-20°	456.6	4.8
20°-30°	826.8	8.7
30°-40°	1533.1	16.1
40°-50°	2516.5	26.5
50°-60°	3242.0	34.1
60°-70°	714.5	7.5
70°-80°	41.5	0.4
80°-90°	8.7	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°	9496.0	100.0
0°-180°	9496.0	100.0

Coefficient of Utilization

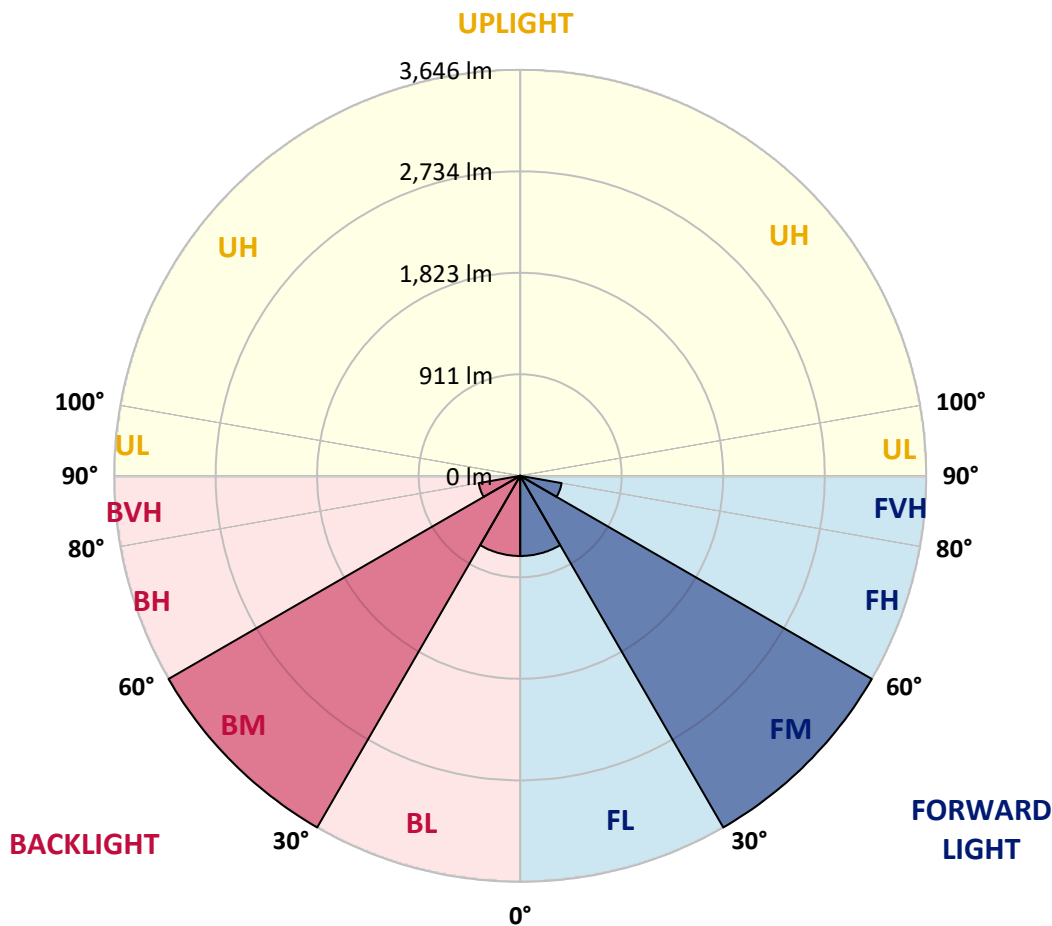


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	719.9	7.6			
FM (30°-60°)	3645.8	38.4			
FH (60°-80°)	378.0	4.0			G0/660
FVH (80°-90°)	4.4	0.0			G0/10
BL (0°-30°)	719.9	7.6	B2/1000		
BM (30°-60°)	3645.8	38.4	B3/5000		
BH (60°-80°)	378.0	4.0	B1/500		G0/660
BVH (80°-90°)	4.4	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°	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9	1663.9
2.5°	1667.3	1667.3	1669.1	1670.8	1658.7	1653.6	1655.3	1651.9	1650.1	1655.3	1655.3
5°	1662.2	1662.2	1657.0	1658.7	1658.7	1643.3	1643.3	1646.7	1646.7	1636.4	1632.9
7.5°	1648.4	1645.0	1638.1	1646.7	1641.5	1641.5	1629.5	1620.9	1617.4	1624.3	1617.4
10°	1619.2	1620.9	1627.8	1631.2	1627.8	1638.1	1617.4	1605.4	1593.4	1588.2	1588.2
12.5°	1605.4	1615.7	1605.4	1614.0	1626.0	1617.4	1605.4	1596.8	1579.6	1572.7	1572.7
15°	1603.7	1610.6	1614.0	1626.0	1620.9	1624.3	1600.2	1589.9	1564.1	1552.1	1546.9
17.5°	1602.0	1610.6	1615.7	1638.1	1641.5	1643.3	1624.3	1593.4	1571.0	1558.9	1546.9
20°	1620.9	1624.3	1634.7	1657.0	1670.8	1694.9	1660.5	1627.8	1579.6	1565.8	1560.7
22.5°	1645.0	1662.2	1672.5	1696.6	1732.7	1753.4	1708.6	1667.3	1617.4	1600.2	1579.6
25°	1722.4	1719.0	1736.2	1786.1	1815.3	1830.8	1794.7	1734.5	1669.1	1648.4	1651.9
27.5°	1818.8	1822.2	1837.7	1892.8	1935.8	1959.9	1916.8	1837.7	1774.0	1739.6	1736.2
30°	1944.4	1940.9	1958.1	2032.1	2109.6	2145.7	2070.0	1977.1	1915.1	1870.4	1880.7
32.5°	2076.9	2078.6	2126.8	2193.9	2319.5	2390.0	2267.9	2154.3	2061.4	2030.4	2014.9
35°	2273.0	2281.6	2319.5	2422.7	2562.1	2653.3	2519.1	2383.2	2276.5	2219.7	2226.6
37.5°	2515.6	2507.0	2570.7	2682.5	2828.8	2895.9	2782.3	2627.5	2519.1	2481.2	2505.3
40°	2773.7	2782.3	2815.0	2916.6	3080.0	3124.8	2956.1	2871.8	2777.2	2758.3	2787.5
42.5°	3031.8	3026.7	3050.8	3142.0	3260.7	3229.7	3129.9	3080.0	3012.9	2975.1	3014.6
45°	3221.1	3212.5	3257.3	3319.2	3362.2	3303.7	3259.0	3241.8	3207.4	3166.1	3202.2
47.5°	3405.2	3398.4	3441.4	3458.6	3462.0	3384.6	3393.2	3424.2	3338.1	3252.1	3293.4
50°	3561.8	3549.8	3603.1	3641.0	3632.4	3508.5	3539.5	3508.5	3374.3	3272.7	3257.3
52.5°	3823.4	3828.5	3885.3	3954.1	3933.5	3830.2	3785.5	3644.4	3472.3	3381.1	3327.8
55°	3988.6	3962.7	4060.8	4279.3	4303.4	4196.8	3998.9	3790.7	3532.6	3420.7	3407.0
56°	3833.7	3866.4	4021.2	4265.6	4389.5	4291.4	4004.0	3754.5	3470.6	3319.2	3308.9
57.5°	3439.7	3422.4	3632.4	3966.2	4303.4	4262.1	3862.9	3496.4	3166.1	2995.7	2975.1
60°	2140.5	2190.4	2374.5	2787.5	3238.3	3259.0	2863.2	2548.3	2162.9	2011.5	2047.6
62.5°	838.0	795.0	910.2	1218.2	1528.0	1596.8	1447.1	1202.8	987.7	838.0	827.6
65°	194.4	189.3	213.4	294.2	411.2	476.6	452.5	325.2	239.2	227.1	209.9
67.5°	110.1	110.1	105.0	105.0	115.3	122.2	117.0	115.3	120.4	125.6	123.9
70°	77.4	75.7	72.3	74.0	70.5	70.5	75.7	84.3	91.2	91.2	92.9
72.5°	46.5	46.5	46.5	51.6	51.6	51.6	56.8	63.7	65.4	63.7	61.9
75°	20.6	20.6	24.1	29.3	32.7	34.4	39.6	43.0	46.5	43.0	39.6
77.5°	5.2	5.2	8.6	12.0	15.5	18.9	25.8	31.0	32.7	31.0	25.8
80°	1.7	1.7	3.4	8.6	15.5	18.9	25.8	27.5	29.3	25.8	20.6
82.5°	1.7	1.7	3.4	8.6	12.0	15.5	20.6	24.1	25.8	22.4	20.6
85°	0.0	1.7	3.4	6.9	10.3	13.8	13.8	10.3	8.6	5.2	6.9
87.5°	0.0	0.0	1.7	1.7	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)