

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: P528221

Luminaire Tested: **GALN-SA3B-740-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528221
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-740-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 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: 10195 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

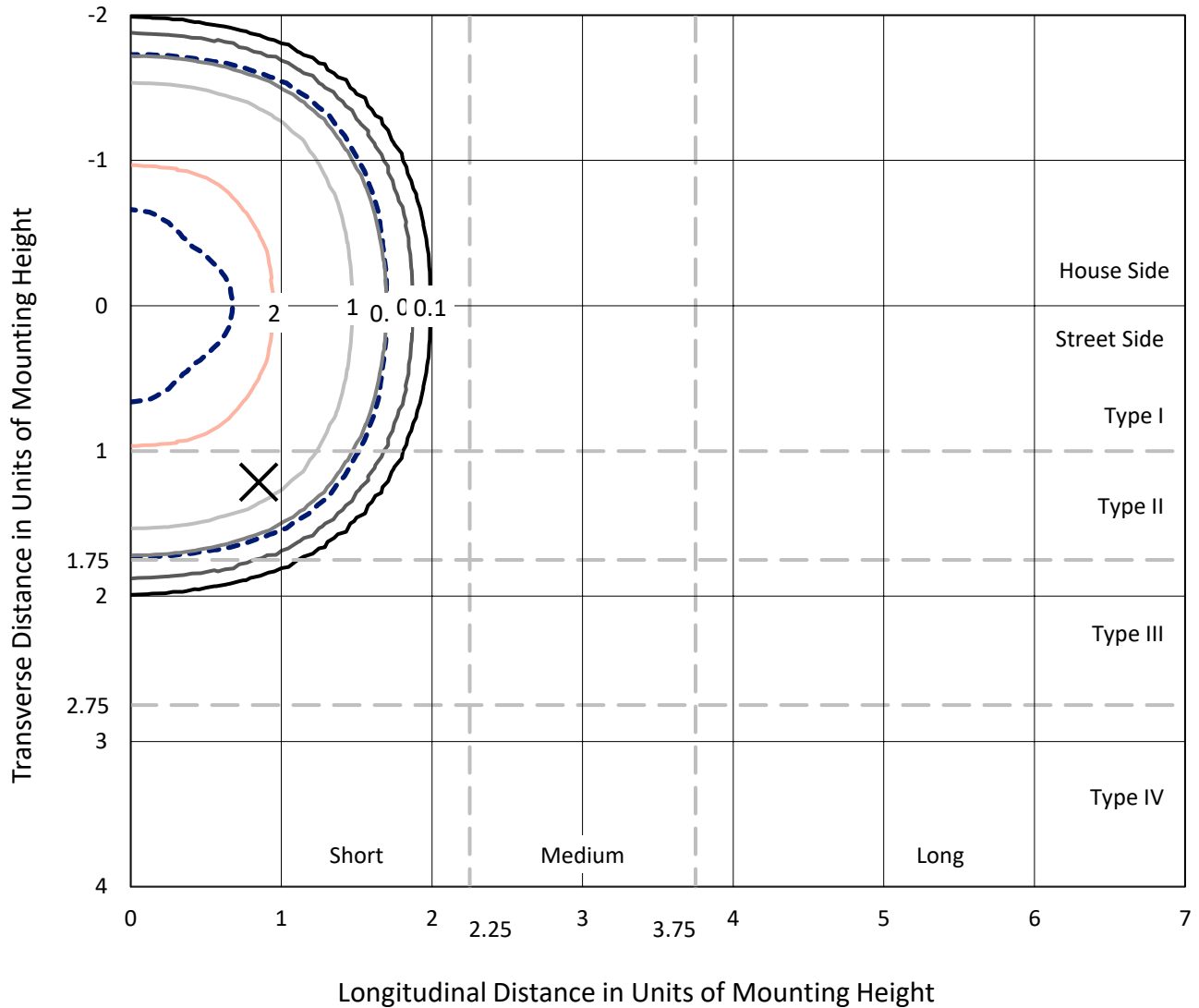
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528221
 CATALOG NUMBER: GALN-SA3B-740-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

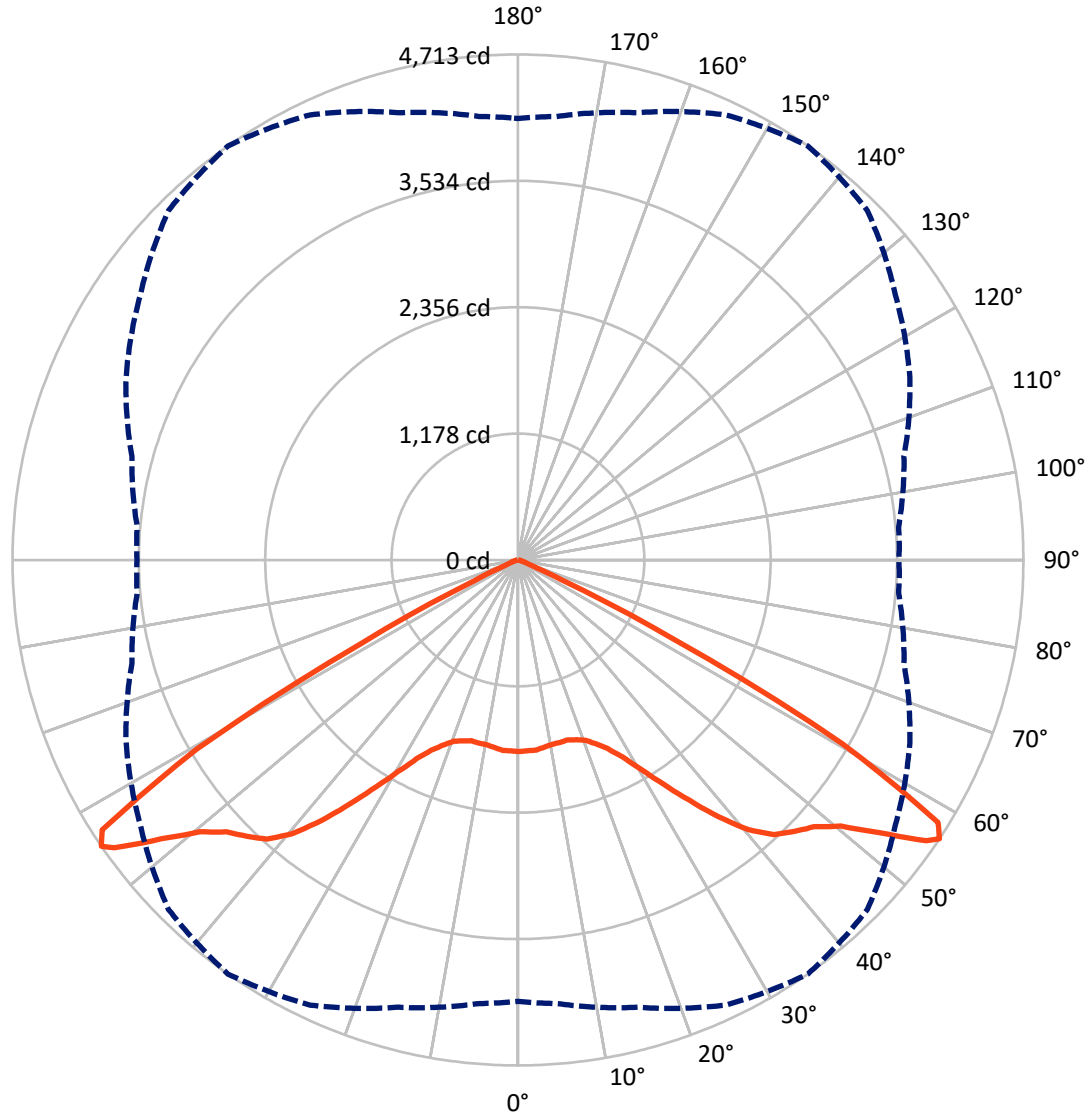
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

REPORT NUMBER: P528221
CATALOG NUMBER: GALN-SA3B-740-U-5MQ-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P528221
 CATALOG NUMBER: GALN-SA3B-740-U-5MQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5097.5	0.0	5097.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5097.5	0.0	5097.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10195.0	0.0	10195.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.9	1.6
10°-20°	490.2	4.8
20°-30°	887.6	8.7
30°-40°	1646.0	16.1
40°-50°	2701.7	26.5
50°-60°	3480.6	34.1
60°-70°	767.1	7.5
70°-80°	44.5	0.4
80°-90°	9.4	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°	10195.0	100.0
0°-180°	10195.0	100.0

Coefficient of Utilization

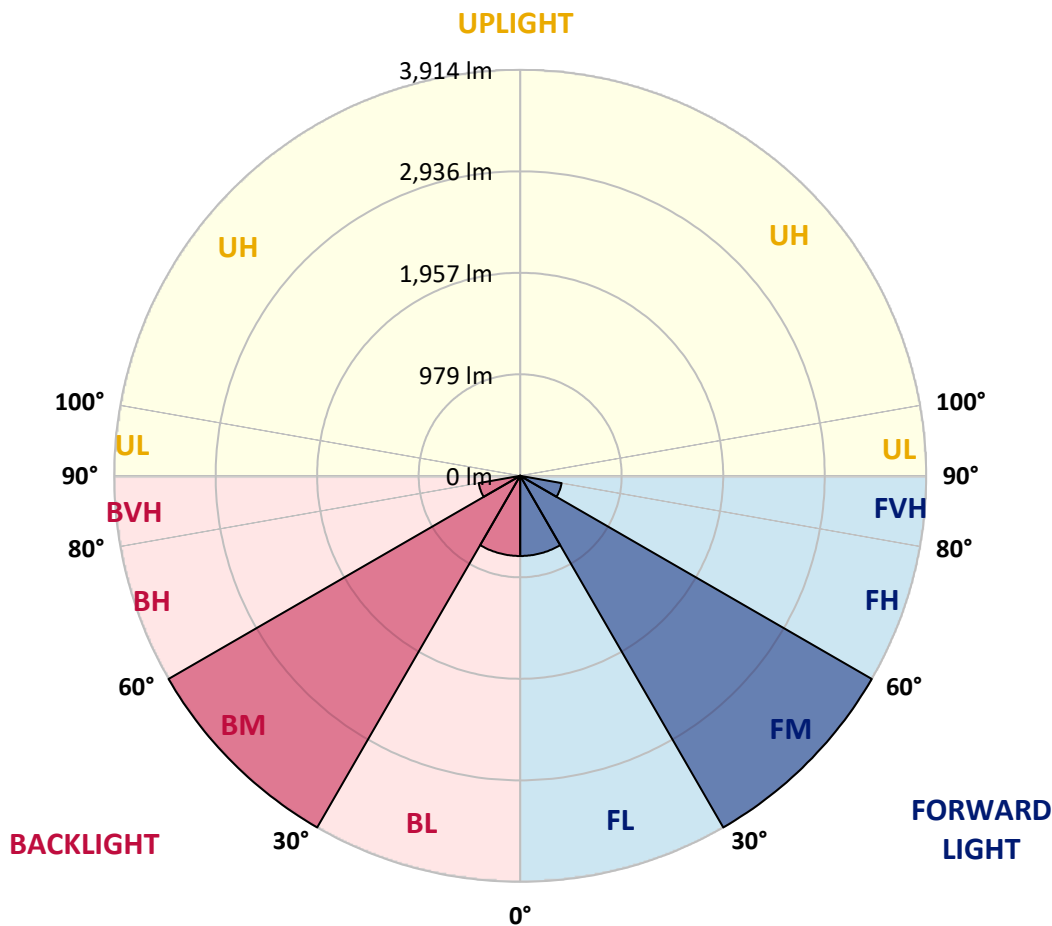


REPORT NUMBER: P528221
 CATALOG NUMBER: GALN-SA3B-740-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	772.8	7.6			
FM (30°-60°)	3914.2	38.4			
FH (60°-80°)	405.8	4.0			G0/660
FVH (80°-90°)	4.7	0.0			G0/10
BL (0°-30°)	772.8	7.6	B2/1000		
BM (30°-60°)	3914.2	38.4	B3/5000		
BH (60°-80°)	405.8	4.0	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





REPORT NUMBER: P528221

CATALOG NUMBER: GALN-SA3B-740-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4	1786.4
2.5°	1790.1	1790.1	1791.9	1793.8	1780.8	1775.3	1777.1	1773.5	1771.6	1777.1	1777.1
5°	1784.5	1784.5	1779.0	1780.8	1780.8	1764.2	1764.2	1767.9	1767.9	1756.8	1753.1
7.5°	1769.8	1766.1	1758.7	1767.9	1762.4	1762.4	1749.4	1740.2	1736.5	1743.9	1736.5
10°	1738.4	1740.2	1747.6	1751.3	1747.6	1758.7	1736.5	1723.6	1710.6	1705.1	1705.1
12.5°	1723.6	1734.7	1723.6	1732.8	1745.7	1736.5	1723.6	1714.3	1695.9	1688.5	1688.5
15°	1721.7	1729.1	1732.8	1745.7	1740.2	1743.9	1718.0	1706.9	1679.2	1666.3	1660.8
17.5°	1719.9	1729.1	1734.7	1758.7	1762.4	1764.2	1743.9	1710.6	1686.6	1673.7	1660.8
20°	1740.2	1743.9	1755.0	1779.0	1793.8	1819.6	1782.7	1747.6	1695.9	1681.1	1675.5
22.5°	1766.1	1784.5	1795.6	1821.5	1860.3	1882.4	1834.4	1790.1	1736.5	1718.0	1695.9
25°	1849.2	1845.5	1864.0	1917.5	1948.9	1965.6	1926.8	1862.1	1791.9	1769.8	1773.5
27.5°	1952.6	1956.3	1973.0	2032.1	2078.3	2104.1	2057.9	1973.0	1904.6	1867.7	1864.0
30°	2087.5	2083.8	2102.3	2181.7	2264.8	2303.6	2222.4	2122.6	2056.1	2008.1	2019.1
32.5°	2229.7	2231.6	2283.3	2355.4	2490.2	2566.0	2434.8	2312.9	2213.1	2179.9	2163.2
35°	2440.3	2449.6	2490.2	2601.1	2750.7	2848.6	2704.5	2558.6	2444.0	2383.1	2390.5
37.5°	2700.8	2691.6	2759.9	2880.0	3037.0	3109.1	2987.2	2820.9	2704.5	2663.9	2689.7
40°	2977.9	2987.2	3022.3	3131.3	3306.7	3354.8	3173.7	3083.2	2981.6	2961.3	2992.7
42.5°	3255.0	3249.5	3275.3	3373.3	3500.7	3467.5	3360.3	3306.7	3234.7	3194.1	3236.5
45°	3458.2	3449.0	3497.0	3563.5	3609.7	3546.9	3498.9	3480.4	3443.5	3399.1	3437.9
47.5°	3655.9	3648.5	3694.7	3713.2	3716.9	3633.7	3643.0	3676.2	3583.9	3491.5	3535.8
50°	3824.0	3811.1	3868.3	3909.0	3899.7	3766.7	3800.0	3766.7	3622.6	3513.7	3497.0
52.5°	4104.8	4110.3	4171.3	4245.2	4223.0	4112.2	4064.2	3912.7	3727.9	3630.0	3572.8
55°	4282.1	4254.4	4359.7	4594.3	4620.2	4505.7	4293.2	4069.7	3792.6	3672.5	3657.7
56°	4115.9	4151.0	4317.2	4579.6	4712.6	4607.3	4298.8	4030.9	3726.1	3563.5	3552.4
57.5°	3692.8	3674.4	3899.7	4258.1	4620.2	4575.9	4147.3	3753.8	3399.1	3216.2	3194.1
60°	2298.1	2351.7	2549.3	2992.7	3476.7	3498.9	3074.0	2735.9	2322.1	2159.5	2198.3
62.5°	899.7	853.5	977.2	1307.9	1640.4	1714.3	1553.6	1291.3	1060.4	899.7	888.6
65°	208.8	203.2	229.1	315.9	441.5	511.7	485.9	349.1	256.8	243.8	225.4
67.5°	118.2	118.2	112.7	112.7	123.8	131.2	125.6	123.8	129.3	134.9	133.0
70°	83.1	81.3	77.6	79.4	75.7	75.7	81.3	90.5	97.9	97.9	99.8
72.5°	49.9	49.9	49.9	55.4	55.4	55.4	61.0	68.4	70.2	68.4	66.5
75°	22.2	22.2	25.9	31.4	35.1	36.9	42.5	46.2	49.9	46.2	42.5
77.5°	5.5	5.5	9.2	12.9	16.6	20.3	27.7	33.3	35.1	33.3	27.7
80°	1.8	1.8	3.7	9.2	16.6	20.3	27.7	29.6	31.4	27.7	22.2
82.5°	1.8	1.8	3.7	9.2	12.9	16.6	22.2	25.9	27.7	24.0	22.2
85°	0.0	1.8	3.7	7.4	11.1	14.8	14.8	11.1	9.2	5.5	7.4
87.5°	0.0	0.0	1.8	1.8	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)