

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: P650786

Luminaire Tested: **GALN-SA3C-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11406.5 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

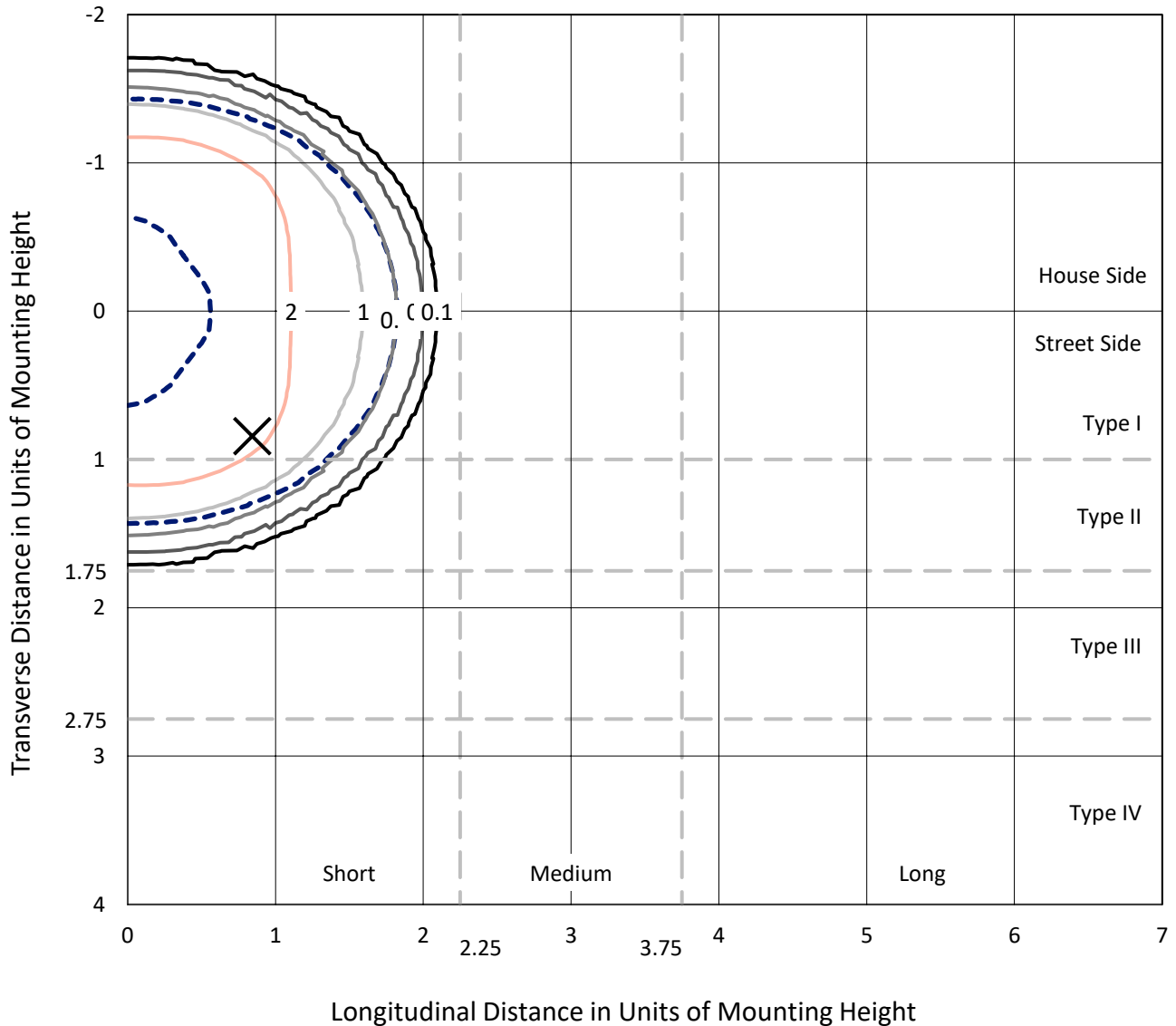
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P650786
 CATALOG NUMBER: GALN-SA3C-840-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

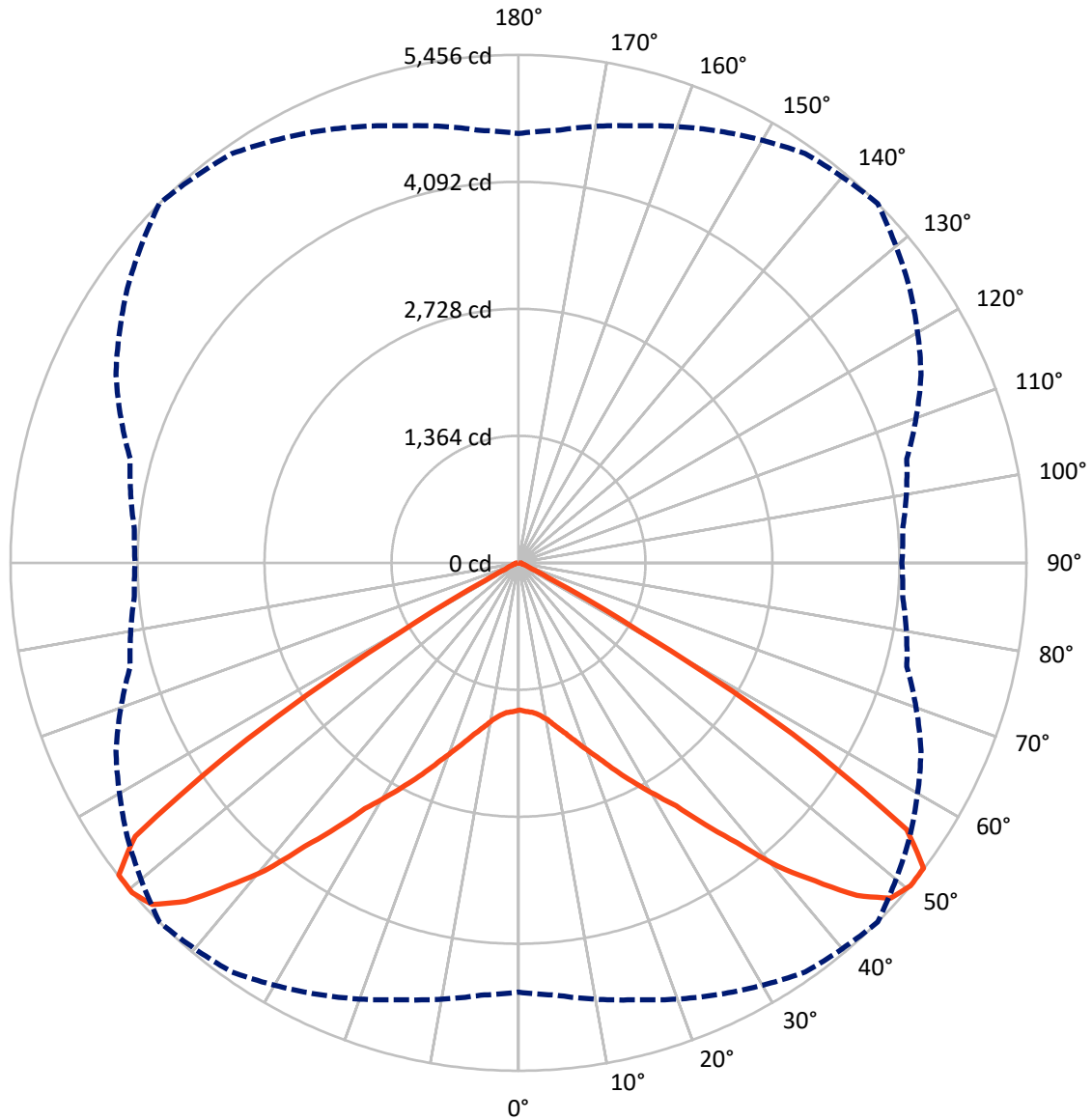
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

REPORT NUMBER: P650786
CATALOG NUMBER: GALN-SA3C-840-U-RW-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P650786
 CATALOG NUMBER: GALN-SA3C-840-U-RW-GRSBK

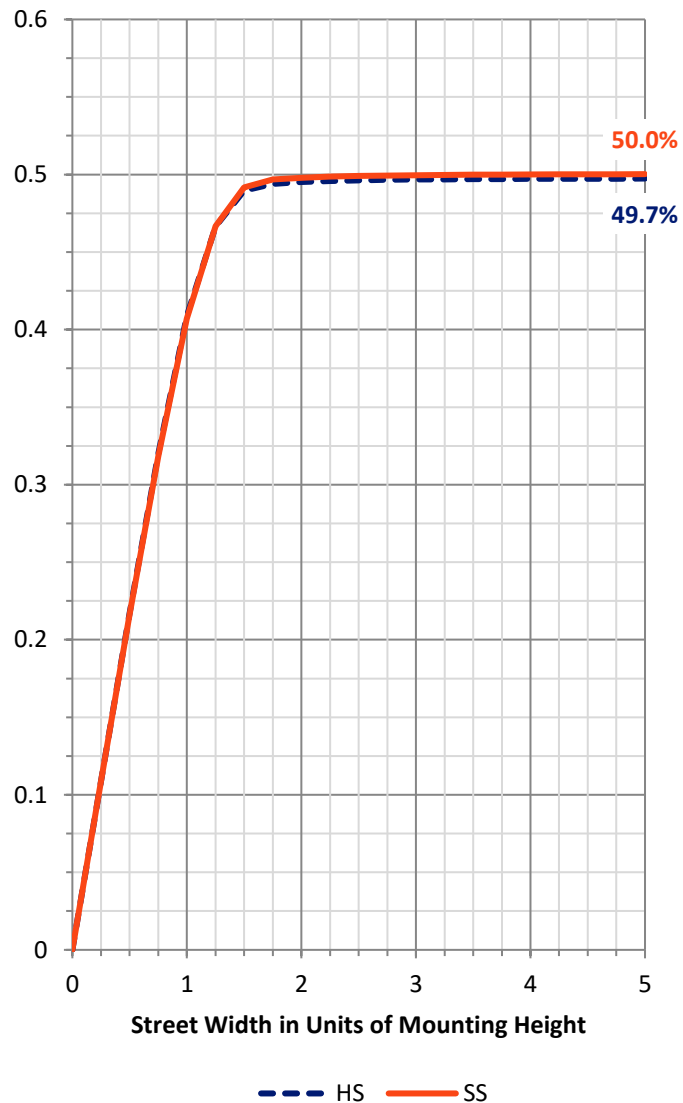
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5703.2	0.0	5703.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5703.2	0.0	5703.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	11406.5	0.0	11406.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.3	1.4
10°-20°	542.2	4.8
20°-30°	1107.4	9.7
30°-40°	2111.9	18.5
40°-50°	3558.9	31.2
50°-60°	3394.0	29.8
60°-70°	473.8	4.2
70°-80°	45.3	0.4
80°-90°	15.7	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°	11406.5	100.0
0°-180°	11406.5	100.0

Coefficient of Utilization



REPORT NUMBER: P650786

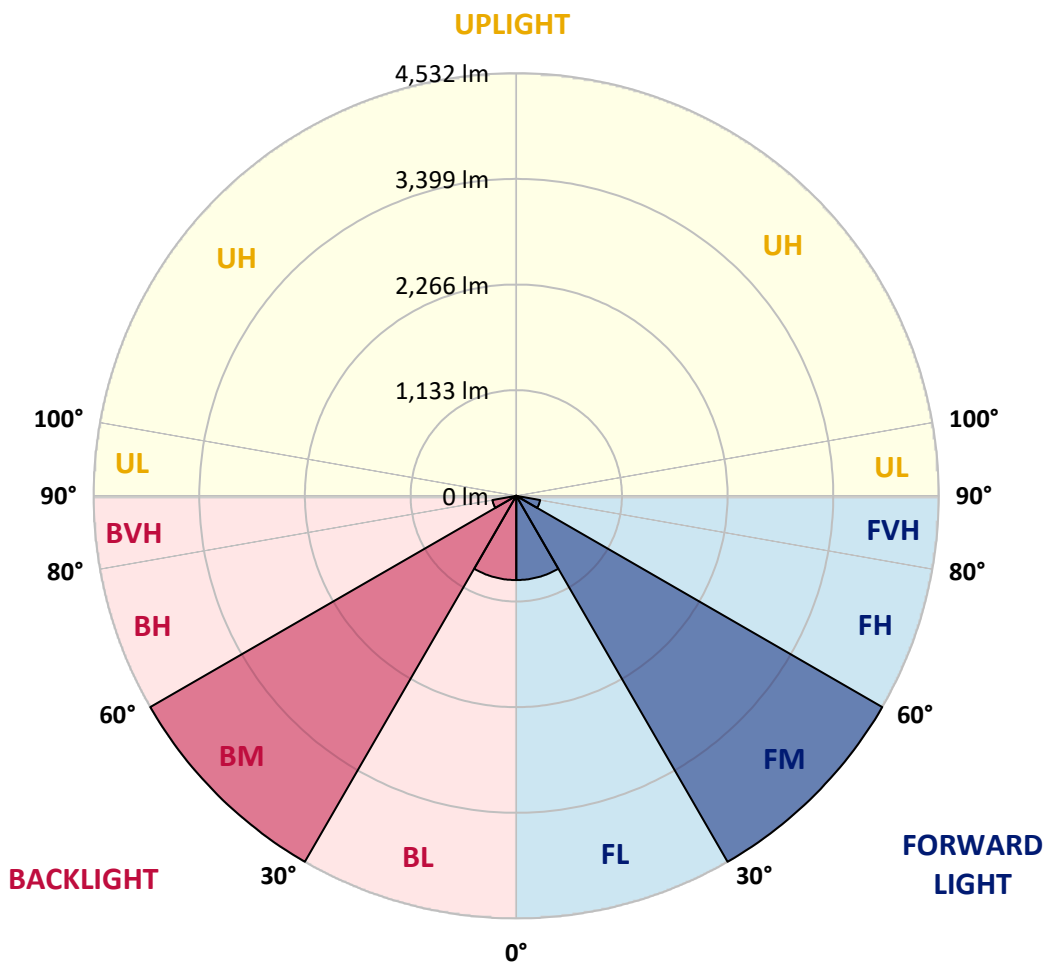
CATALOG NUMBER: GALN-SA3C-840-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	903.5	7.9			
FM (30°-60°)	4532.4	39.7			
FH (60°-80°)	259.5	2.3			G0/660
FVH (80°-90°)	7.8	0.1			G0/10
BL (0°-30°)	903.5	7.9	B2/1000		
BM (30°-60°)	4532.4	39.7	B3/5000		
BH (60°-80°)	259.5	2.3	B1/500		G0/660
BVH (80°-90°)	7.8	0.1			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: P650786

CATALOG NUMBER: GALN-SA3C-840-U-RW-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4
2.5°	1575.6	1575.6	1573.7	1589.1	1581.4	1598.7	1596.7	1602.5	1608.2	1606.3	1621.7
5°	1562.2	1560.3	1560.3	1577.5	1594.8	1614.0	1631.3	1642.8	1662.0	1662.0	1681.2
7.5°	1575.6	1566.0	1579.5	1587.1	1619.8	1652.4	1681.2	1704.2	1748.4	1763.7	1757.9
10°	1579.5	1591.0	1600.6	1623.6	1663.9	1713.8	1738.8	1796.3	1846.2	1880.8	1888.5
12.5°	1604.4	1621.7	1648.5	1704.2	1740.7	1806.0	1840.4	1896.1	1965.2	2003.6	2030.4
15°	1652.4	1658.1	1692.7	1763.7	1842.4	1901.9	1955.6	1995.9	2063.1	2107.2	2109.1
17.5°	1713.8	1738.8	1786.7	1853.9	1936.4	2024.7	2066.9	2111.1	2136.1	2195.5	2209.0
20°	1836.7	1840.4	1886.5	1974.8	2078.4	2159.0	2189.8	2212.8	2203.2	2264.6	2276.1
22.5°	1951.8	1955.6	2013.2	2132.2	2243.5	2312.6	2326.0	2312.6	2283.8	2328.0	2331.8
25°	2068.9	2103.4	2145.6	2264.6	2402.8	2494.9	2496.8	2460.3	2400.9	2408.5	2427.7
27.5°	2251.2	2276.1	2320.2	2429.6	2581.3	2684.9	2667.7	2623.5	2546.7	2552.4	2546.7
30°	2464.2	2487.3	2523.7	2663.8	2775.1	2888.3	2913.3	2871.1	2755.9	2731.0	2759.7
32.5°	2721.4	2754.0	2821.1	2949.7	3043.7	3112.9	3130.1	3114.8	3007.3	2997.7	3016.9
35°	3034.2	3078.3	3139.7	3253.0	3329.8	3454.5	3454.5	3402.7	3304.8	3316.3	3314.4
37.5°	3364.3	3429.5	3525.5	3640.6	3744.3	3811.4	3790.3	3746.2	3648.3	3623.4	3648.3
40°	3778.8	3811.4	3932.3	4082.0	4208.7	4285.5	4195.2	4099.3	3865.2	3901.7	3968.8
42.5°	4156.9	4208.7	4300.8	4465.9	4609.8	4673.1	4565.7	4375.6	4093.6	4064.8	4114.7
45°	4479.3	4534.9	4655.9	4891.9	5043.6	5099.2	4861.2	4554.2	4231.7	4158.8	4179.9
47.5°	4694.3	4723.1	4891.9	5116.5	5254.7	5381.3	5039.7	4677.0	4297.0	4158.8	4151.1
50°	4611.7	4661.7	4859.3	5114.5	5365.9	5456.2	5129.9	4771.0	4318.1	4141.5	4118.5
52.5°	4095.5	4181.9	4402.6	4746.1	5126.1	5448.5	5254.7	4740.3	4310.5	4158.8	4193.4
55°	2850.0	2851.8	3120.5	3627.2	4298.9	5058.9	5072.3	4774.9	4360.3	4266.3	4268.2
57.5°	1145.7	1203.3	1408.7	1917.2	2537.1	3473.7	4130.0	4429.4	4366.1	4343.0	4402.6
60°	289.8	291.7	355.1	541.2	892.4	1489.2	2162.9	2926.7	3370.1	3521.7	3542.8
62.5°	147.8	149.7	165.1	191.9	243.7	399.2	710.1	1126.5	1602.5	1844.3	1907.6
65°	120.9	120.9	130.5	143.9	145.8	153.6	184.3	262.9	381.9	433.7	439.5
67.5°	92.1	92.1	99.8	107.5	111.3	109.4	105.5	109.4	132.5	126.7	122.8
70°	57.6	59.5	63.3	71.0	74.8	76.8	78.7	82.5	94.0	97.9	94.0
72.5°	34.6	34.6	36.5	42.2	47.9	51.8	57.6	61.4	67.2	76.8	74.8
75°	15.4	15.4	19.2	25.0	30.7	36.5	42.2	47.9	51.8	57.6	59.5
77.5°	3.9	5.7	9.6	17.2	23.0	30.7	38.3	44.2	47.9	47.9	46.1
80°	1.9	1.9	7.7	13.5	25.0	32.6	42.2	46.1	51.8	47.9	42.2
82.5°	1.9	1.9	7.7	13.5	23.0	32.6	44.2	49.9	53.7	47.9	40.3
85°	0.0	1.9	5.7	11.5	19.2	23.0	19.2	13.5	7.7	7.7	5.7
87.5°	0.0	0.0	1.9	1.9	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)