

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: P648366

Luminaire Tested: **GALN-SA4B-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648366
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-SA4B-835-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3500K, 800mA 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: 11390.3 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

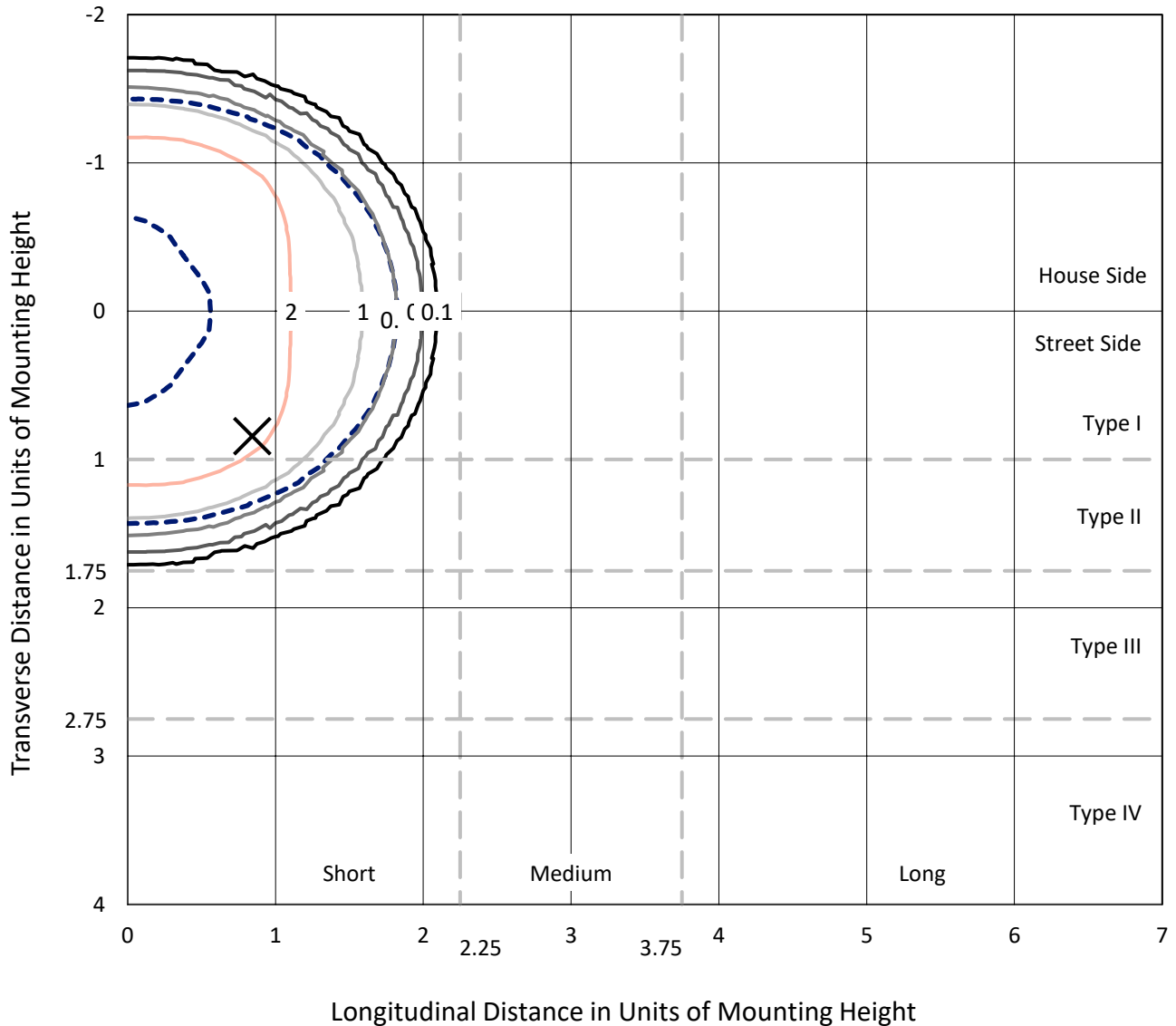
Input Watts (W): 164
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648366
 CATALOG NUMBER: GALN-SA4B-835-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

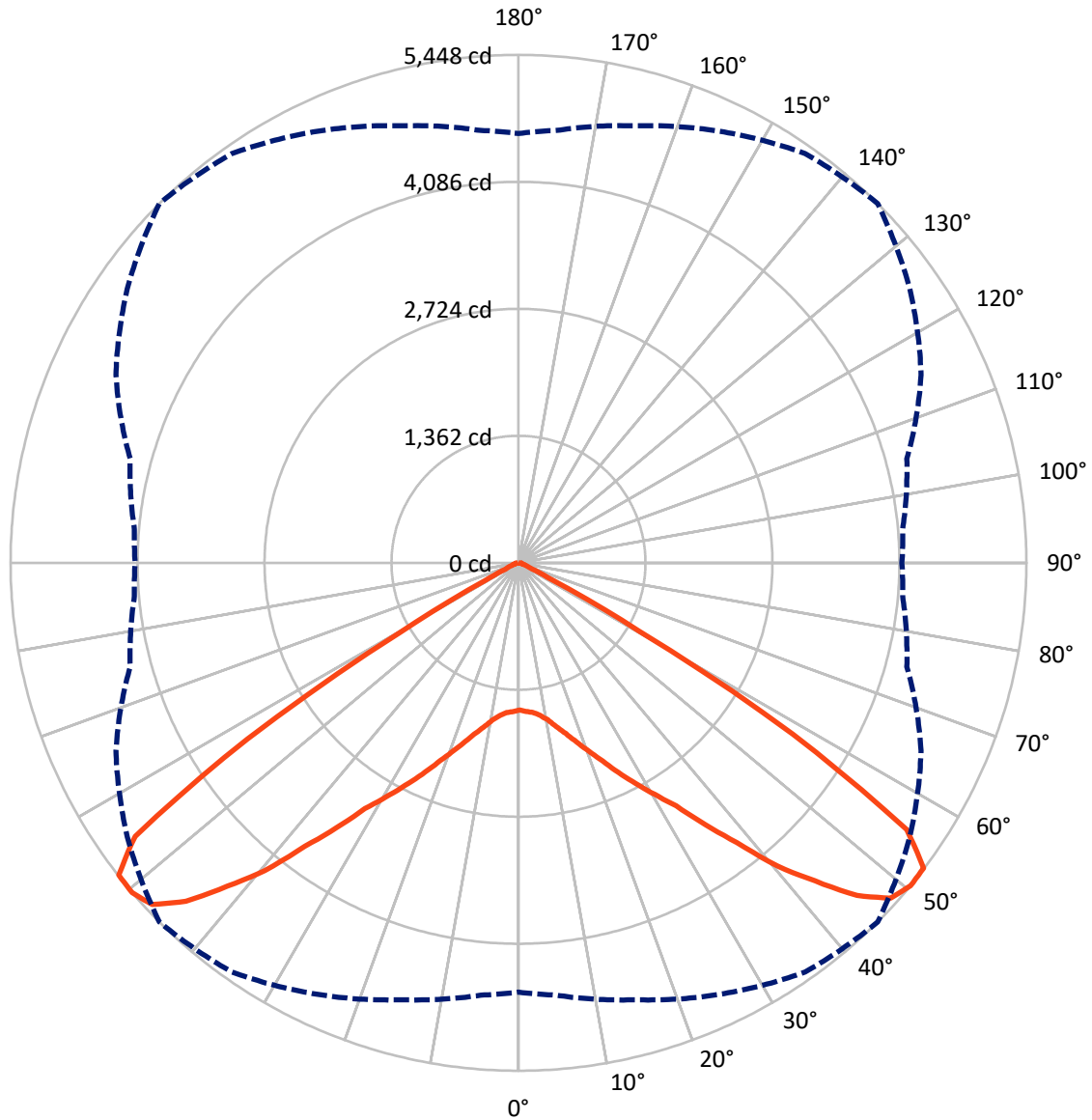
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P648366
CATALOG NUMBER: GALN-SA4B-835-U-RW-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P648366
 CATALOG NUMBER: GALN-SA4B-835-U-RW-GRSBK

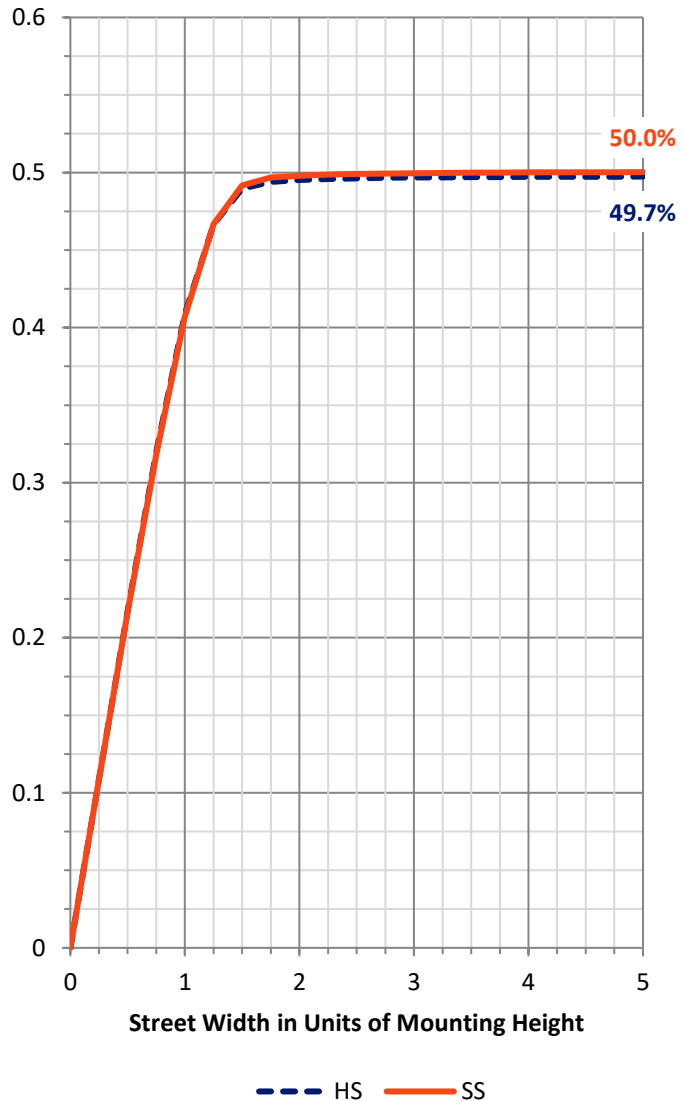
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5695.2	0.0	5695.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5695.2	0.0	5695.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	11390.3	0.0	11390.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.1	1.4
10°-20°	541.5	4.8
20°-30°	1105.9	9.7
30°-40°	2108.9	18.5
40°-50°	3553.8	31.2
50°-60°	3389.2	29.8
60°-70°	473.1	4.2
70°-80°	45.2	0.4
80°-90°	15.6	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°	11390.3	100.0
0°-180°	11390.3	100.0

Coefficient of Utilization

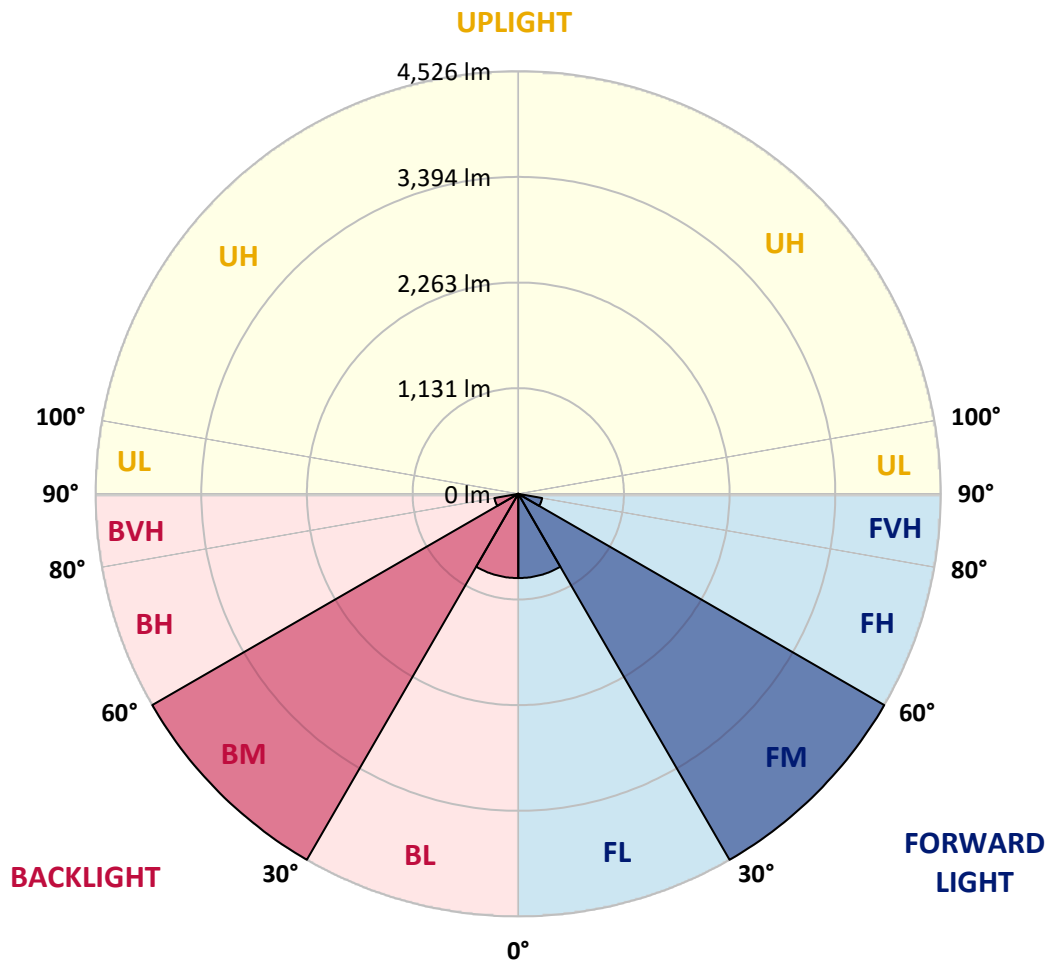


REPORT NUMBER: P648366
 CATALOG NUMBER: GALN-SA4B-835-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	902.2	7.9			
FM (30°-60°)	4525.9	39.7			
FH (60°-80°)	259.2	2.3			G0/660
FVH (80°-90°)	7.8	0.1			G0/10
BL (0°-30°)	902.2	7.9	B2/1000		
BM (30°-60°)	4525.9	39.7	B3/5000		
BH (60°-80°)	259.2	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: P648366

CATALOG NUMBER: GALN-SA4B-835-U-RW-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2	1579.2
2.5°	1573.4	1573.4	1571.5	1586.8	1579.2	1596.4	1594.5	1600.2	1605.9	1604.1	1619.4
5°	1560.0	1558.1	1558.1	1575.3	1592.5	1611.7	1629.0	1640.5	1659.6	1659.6	1678.8
7.5°	1573.4	1563.8	1577.2	1584.9	1617.4	1650.0	1678.8	1701.8	1745.9	1761.2	1755.5
10°	1577.2	1588.7	1598.3	1621.3	1661.5	1711.4	1736.3	1793.8	1843.6	1878.1	1885.8
12.5°	1602.2	1619.4	1646.2	1701.8	1738.2	1803.3	1837.9	1893.5	1962.4	2000.7	2027.6
15°	1650.0	1655.8	1690.3	1761.2	1839.7	1899.2	1952.9	1993.1	2060.2	2104.2	2106.2
17.5°	1711.4	1736.3	1784.2	1851.2	1933.7	2021.9	2064.0	2108.1	2133.0	2192.4	2205.8
20°	1834.0	1837.9	1883.8	1972.0	2075.5	2156.0	2186.7	2209.6	2200.1	2261.4	2272.9
22.5°	1949.0	1952.9	2010.4	2129.1	2240.3	2309.3	2322.7	2309.3	2280.6	2324.6	2328.5
25°	2065.9	2100.4	2142.6	2261.4	2399.3	2491.3	2493.3	2456.9	2397.5	2405.1	2424.3
27.5°	2248.0	2272.9	2317.0	2426.2	2577.6	2681.1	2663.8	2619.8	2543.1	2548.8	2543.1
30°	2460.7	2483.7	2520.1	2660.0	2771.2	2884.3	2909.2	2867.0	2752.0	2727.1	2755.8
32.5°	2717.5	2750.1	2817.2	2945.6	3039.4	3108.4	3125.7	3110.4	3003.0	2993.5	3012.6
35°	3029.9	3074.0	3135.3	3248.4	3325.0	3449.6	3449.6	3397.8	3300.1	3311.6	3309.7
37.5°	3359.5	3424.7	3520.5	3635.5	3739.0	3806.0	3784.9	3740.9	3643.1	3618.2	3643.1
40°	3773.4	3806.0	3926.7	4076.2	4202.8	4279.4	4189.3	4093.5	3859.7	3896.1	3963.2
42.5°	4151.0	4202.8	4294.8	4459.5	4603.3	4666.5	4559.2	4369.5	4087.7	4059.0	4108.8
45°	4473.0	4528.6	4649.3	4885.0	5036.4	5091.9	4854.3	4547.7	4225.7	4152.9	4174.0
47.5°	4687.6	4716.3	4885.0	5109.2	5247.2	5373.7	5032.6	4670.4	4290.9	4152.9	4145.3
50°	4605.2	4655.0	4852.4	5107.3	5358.4	5448.4	5122.6	4764.2	4312.0	4135.6	4112.6
52.5°	4089.7	4175.9	4396.3	4739.3	5118.8	5440.8	5247.2	4733.5	4304.3	4152.9	4187.4
55°	2845.9	2847.8	3116.1	3622.1	4292.8	5051.7	5065.1	4768.1	4354.1	4260.2	4262.2
57.5°	1144.1	1201.6	1406.7	1914.5	2533.6	3468.8	4124.1	4423.1	4359.9	4336.9	4396.3
60°	289.4	291.3	354.5	540.4	891.1	1487.2	2159.8	2922.5	3365.3	3516.7	3537.8
62.5°	147.6	149.5	164.8	191.7	243.4	398.6	709.1	1124.9	1600.2	1841.7	1905.0
65°	120.7	120.7	130.3	143.8	145.6	153.3	184.0	262.5	381.4	433.1	438.9
67.5°	92.0	92.0	99.7	107.3	111.2	109.2	105.4	109.2	132.2	126.5	122.6
70°	57.5	59.4	63.3	70.9	74.8	76.7	78.5	82.4	93.9	97.7	93.9
72.5°	34.5	34.5	36.4	42.1	47.9	51.8	57.5	61.3	67.1	76.7	74.8
75°	15.3	15.3	19.2	24.9	30.7	36.4	42.1	47.9	51.8	57.5	59.4
77.5°	3.8	5.7	9.6	17.2	23.0	30.7	38.4	44.1	47.9	47.9	46.0
80°	1.9	1.9	7.7	13.4	24.9	32.6	42.1	46.0	51.8	47.9	42.1
82.5°	1.9	1.9	7.7	13.4	23.0	32.6	44.1	49.8	53.6	47.9	40.2
85°	0.0	1.9	5.7	11.5	19.2	23.0	19.2	13.4	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)