

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: P646979

Luminaire Tested: **GALN-SA6C-835-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-835-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28812.8 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

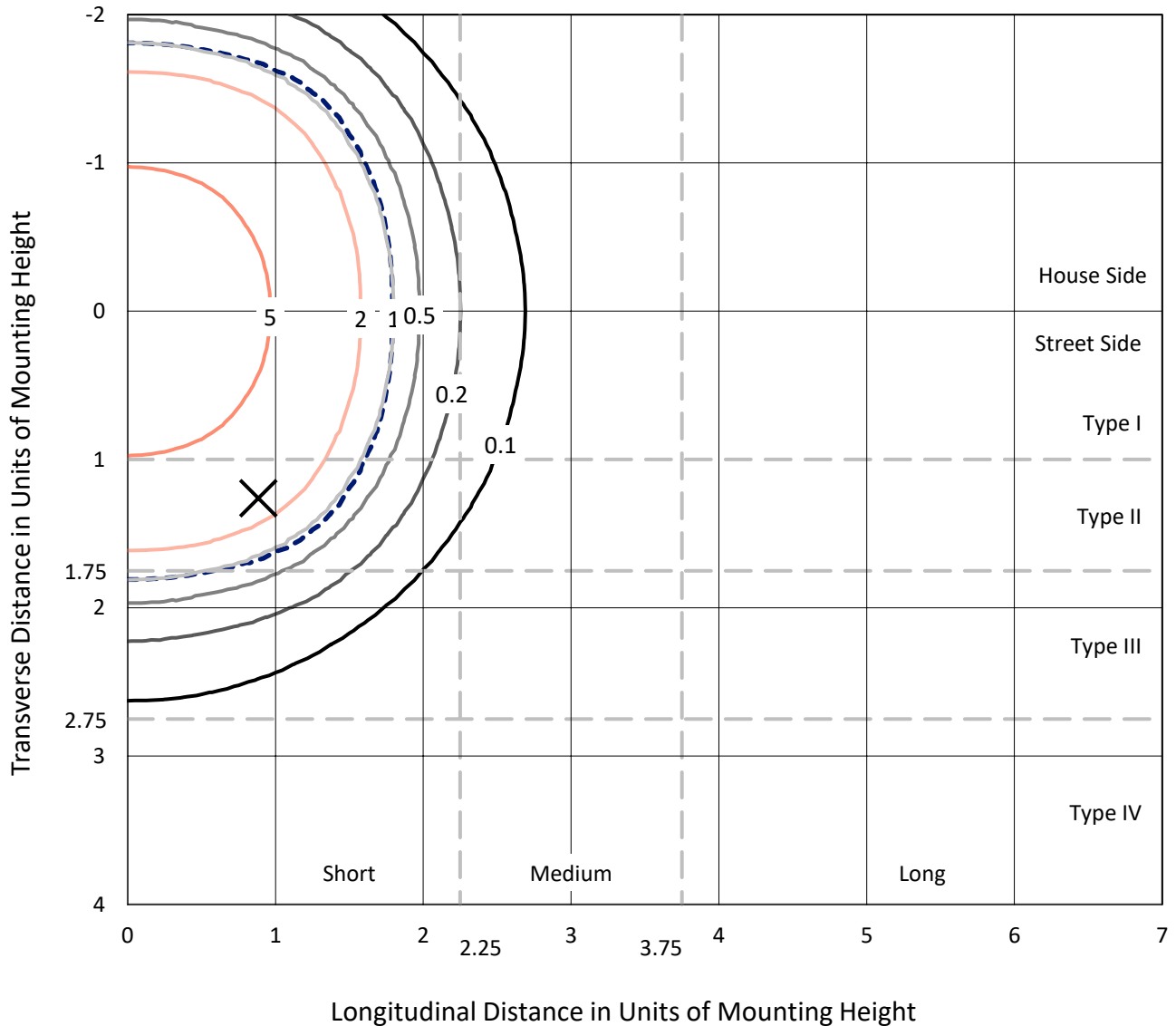
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P646979
 CATALOG NUMBER: GALN-SA6C-835-U-5MQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

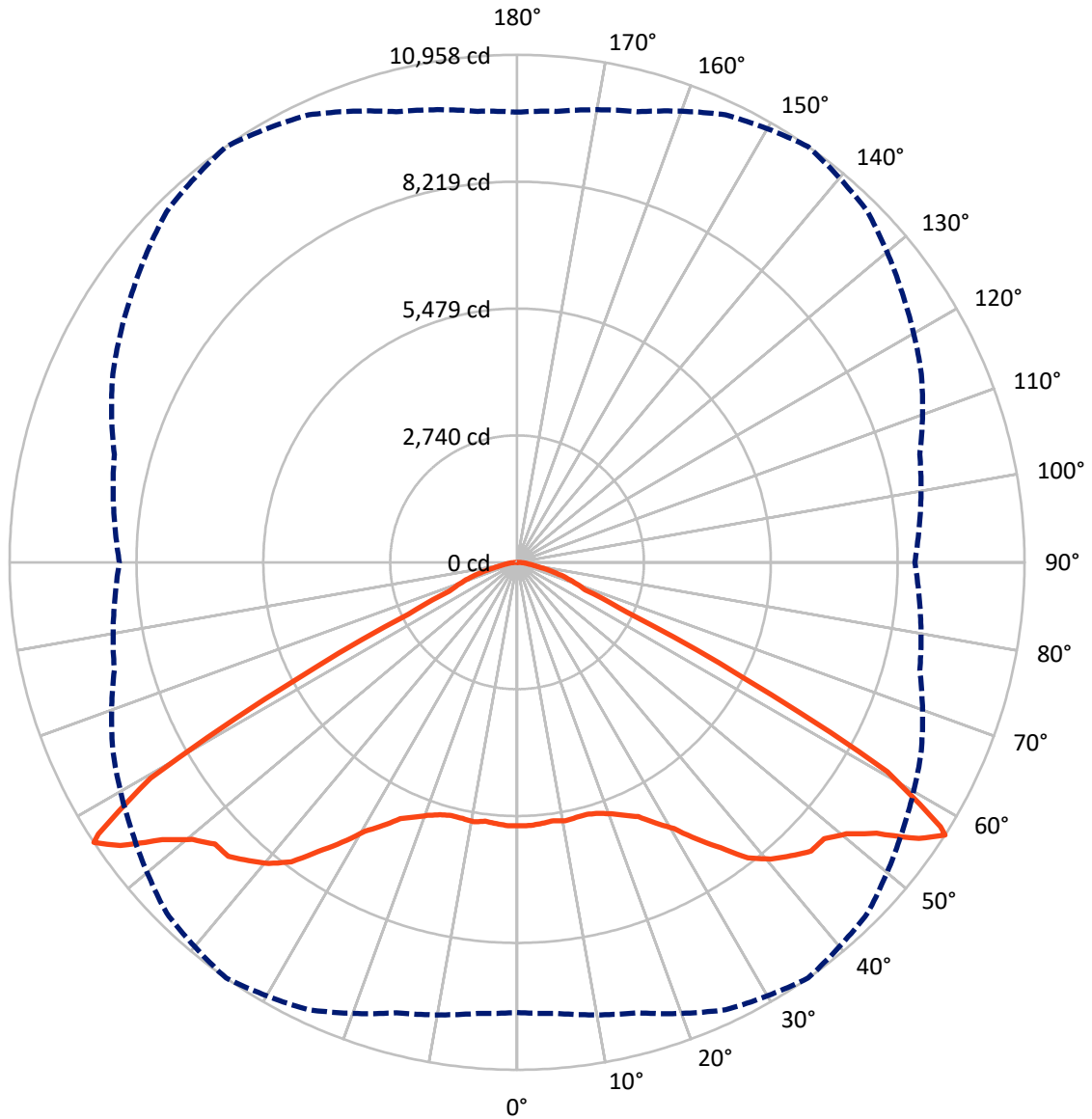
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type V - Short - N/A

REPORT NUMBER: P646979
CATALOG NUMBER: GALN-SA6C-835-U-5MQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

REPORT NUMBER: P646979
 CATALOG NUMBER: GALN-SA6C-835-U-5MQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14406.4	0.0	14406.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14406.4	0.0	14406.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	28812.8	0.0	28812.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.5	1.9
10°-20°	1597.7	5.5
20°-30°	2790.4	9.7
30°-40°	4572.2	15.9
40°-50°	6703.9	23.3
50°-60°	8444.1	29.3
60°-70°	3175.8	11.0
70°-80°	844.4	2.9
80°-90°	144.8	0.5
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°	28812.8	100.0
0°-180°	28812.8	100.0



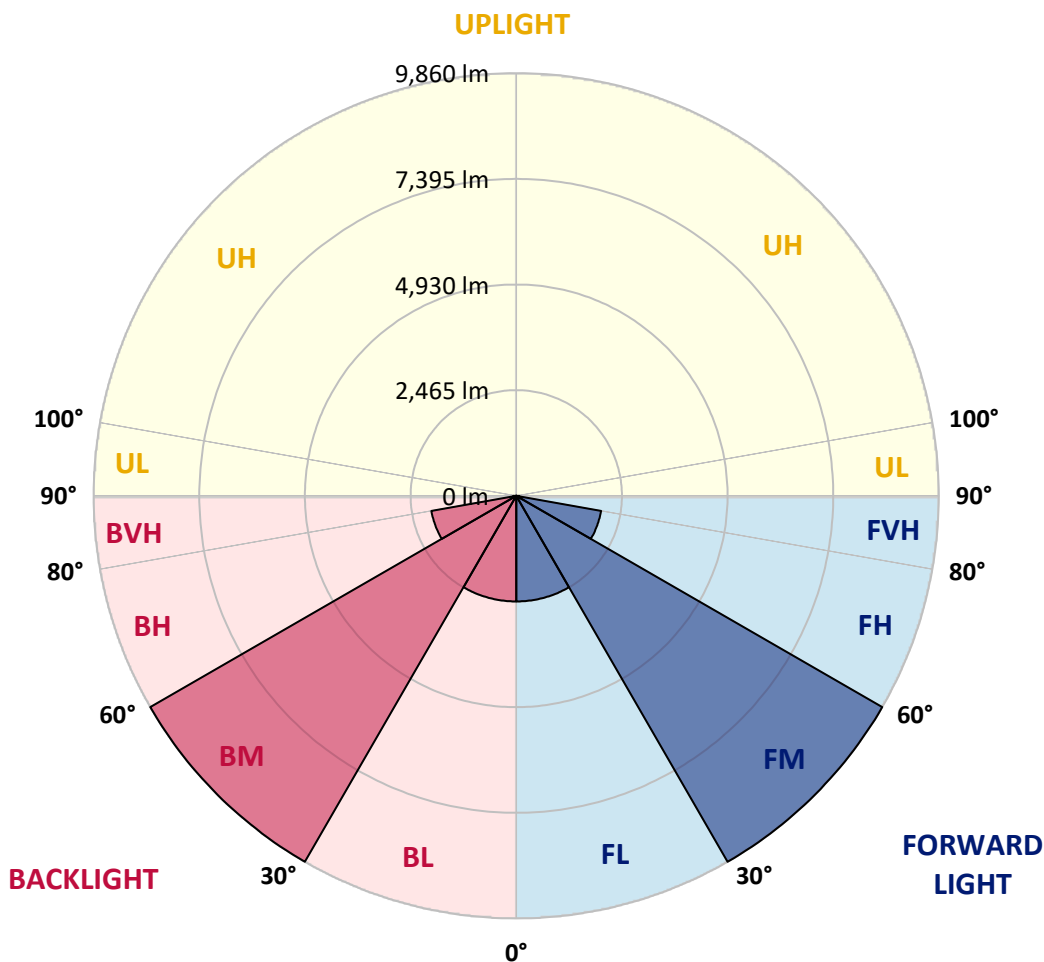
REPORT NUMBER: P646979
 CATALOG NUMBER: GALN-SA6C-835-U-5MQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2463.8	8.6			
FM (30°-60°)	9860.1	34.2			
FH (60°-80°)	2010.1	7.0			G2/5000
FVH (80°-90°)	72.4	0.3			G1/100
BL (0°-30°)	2463.8	8.6	B3/2500		
BM (30°-60°)	9860.1	34.2	B5		
BH (60°-80°)	2010.1	7.0	B3/2500		G2/5000
BVH (80°-90°)	72.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





REPORT NUMBER: P646979

CATALOG NUMBER: GALN-SA6C-835-U-5MQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5690.3	5690.3	5690.3	5690.3	5690.3	5690.3	5690.3	5690.3	5690.3	5690.3	5690.3
2.5°	5662.0	5718.7	5693.9	5679.6	5690.3	5672.6	5644.2	5676.1	5669.0	5640.7	5630.0
5°	5647.7	5690.3	5662.0	5690.3	5662.0	5711.6	5697.4	5644.2	5708.1	5647.7	5669.0
7.5°	5637.1	5651.3	5658.3	5644.2	5633.5	5693.9	5662.0	5637.1	5601.6	5590.9	5608.7
10°	5612.2	5647.7	5594.5	5665.5	5679.6	5637.1	5637.1	5590.9	5562.5	5544.8	5605.1
12.5°	5676.1	5615.8	5608.7	5644.2	5654.8	5672.6	5622.9	5598.1	5544.8	5551.9	5541.2
15°	5601.6	5626.4	5630.0	5637.1	5647.7	5690.3	5644.2	5590.9	5569.6	5495.1	5502.2
17.5°	5630.0	5605.1	5630.0	5711.6	5697.4	5729.4	5679.6	5598.1	5548.3	5505.7	5562.5
20°	5679.6	5669.0	5679.6	5779.1	5796.8	5825.2	5782.6	5708.1	5612.2	5562.5	5590.9
22.5°	5732.9	5725.8	5732.9	5828.7	5931.7	5967.2	5924.6	5750.7	5700.9	5608.7	5576.8
25°	5828.7	5835.9	5910.4	6016.9	6084.4	6151.8	6073.7	5949.5	5789.7	5732.9	5665.5
27.5°	6041.8	6059.5	6102.1	6258.3	6375.4	6435.8	6325.7	6155.3	6056.0	5938.8	5921.0
30°	6304.4	6304.4	6378.9	6513.9	6673.6	6765.9	6631.0	6428.7	6308.0	6244.1	6205.0
32.5°	6652.3	6613.3	6641.6	6879.5	7128.0	7206.1	7025.1	6776.6	6584.9	6499.7	6471.3
35°	6950.5	6975.4	7039.2	7294.8	7571.7	7752.7	7468.8	7145.7	6950.5	6872.4	6858.2
37.5°	7337.4	7380.0	7412.0	7763.4	8097.1	8164.5	7891.2	7632.1	7394.3	7330.3	7294.8
40°	7884.1	7855.7	7866.3	8125.5	8427.2	8469.8	8200.0	8015.4	7820.2	7781.1	7781.1
42.5°	8335.0	8303.0	8338.5	8434.3	8665.1	8633.1	8484.0	8349.1	8267.5	8224.9	8267.5
45°	8608.2	8601.2	8665.1	8736.0	8899.3	8792.9	8675.7	8697.0	8618.9	8547.9	8544.3
47.5°	8906.5	8860.3	8938.4	9044.9	8920.6	8870.9	8863.9	8910.0	8885.2	8760.9	8721.8
50°	9051.9	9034.3	9158.4	9282.7	9215.3	9101.7	9126.5	9201.0	8881.6	8714.7	8618.9
52.5°	9442.4	9446.0	9683.8	9751.3	9722.9	9556.0	9609.3	9407.0	9030.7	8796.4	8807.0
55°	10056.5	10031.7	10297.9	10496.7	10528.7	10315.7	10060.1	9776.1	9304.0	9066.2	8995.2
57°	9719.4	9776.1	10070.8	10660.1	10958.2	10706.2	10148.9	9630.6	9002.3	8714.7	8586.9
57.5°	9268.5	9360.8	9872.0	10464.8	10777.2	10755.9	10038.8	9360.8	8800.0	8352.7	8363.3
60°	6790.7	6808.5	7270.0	8210.7	9186.9	9208.2	8335.0	7436.9	6812.0	6325.7	6393.2
62.5°	3581.8	3663.4	3848.0	4604.1	5449.0	5654.8	5125.9	4664.4	4124.8	3755.7	3791.2
65°	1895.6	1884.9	1973.7	2186.7	2602.0	2708.5	2637.5	2271.9	2083.7	2023.4	2027.0
67.5°	1540.6	1558.3	1547.7	1558.3	1586.7	1632.9	1622.2	1636.5	1647.1	1664.9	1661.3
70°	1306.4	1306.4	1313.4	1317.0	1317.0	1338.3	1363.1	1409.2	1412.8	1430.5	1437.7
72.5°	1029.4	1022.4	1033.0	1057.8	1061.4	1079.1	1114.6	1143.0	1153.7	1153.7	1132.4
75°	699.3	706.4	720.6	741.9	763.2	795.1	823.6	841.3	848.4	837.7	827.1
77.5°	394.0	401.1	411.8	443.7	468.5	497.0	528.9	546.7	564.4	568.0	546.7
80°	234.3	234.3	252.0	276.9	305.3	333.7	362.1	383.4	390.5	390.5	379.8
82.5°	142.0	145.6	159.7	184.6	209.5	227.1	252.0	269.8	284.0	280.5	273.3
85°	74.5	74.5	88.7	110.0	127.8	145.6	145.6	134.9	127.8	110.0	103.0
87.5°	24.8	21.3	28.4	28.4	24.8	28.4	28.4	31.9	31.9	31.9	31.9
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)