

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: P646985

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
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-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27693.9 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

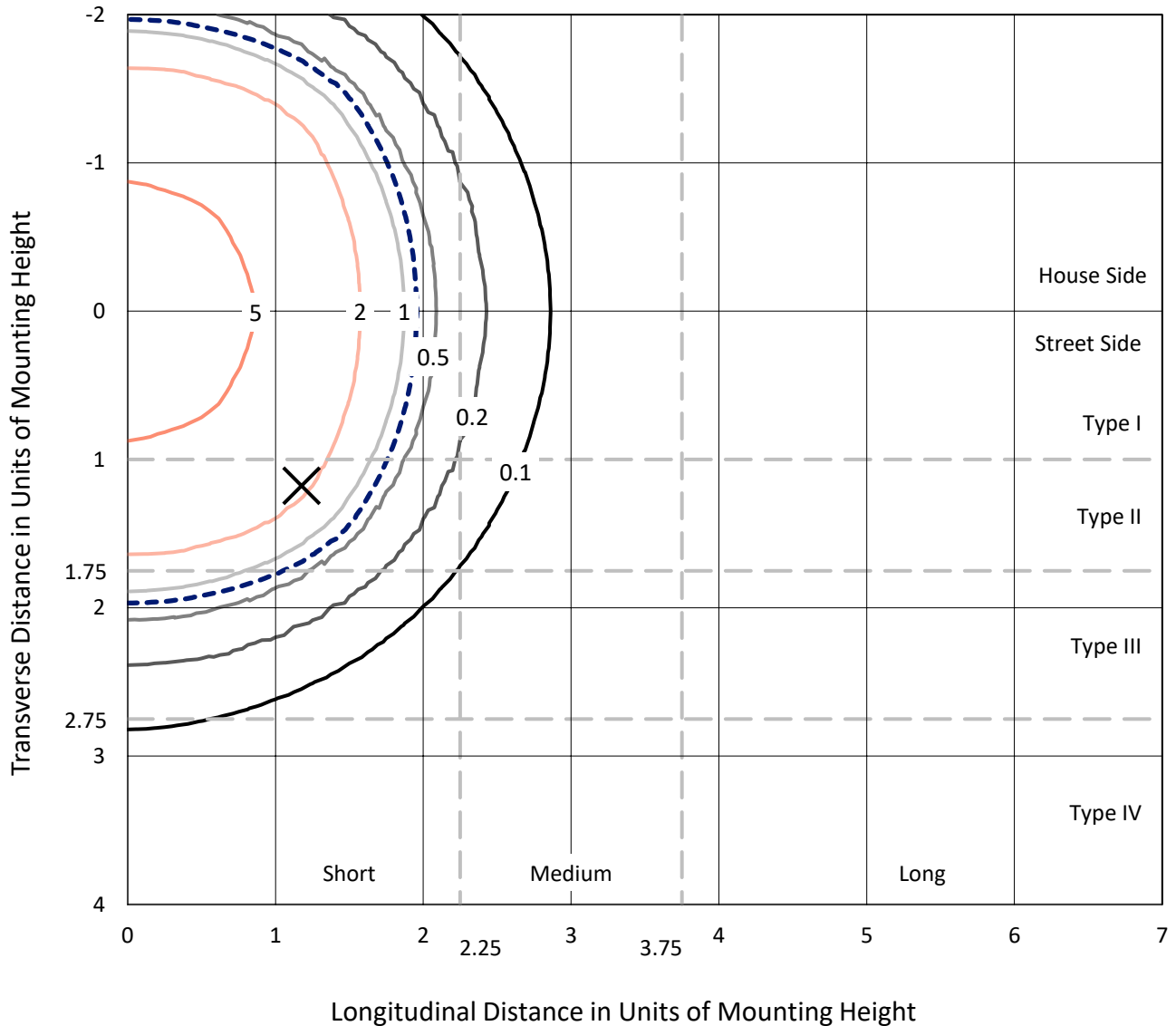
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

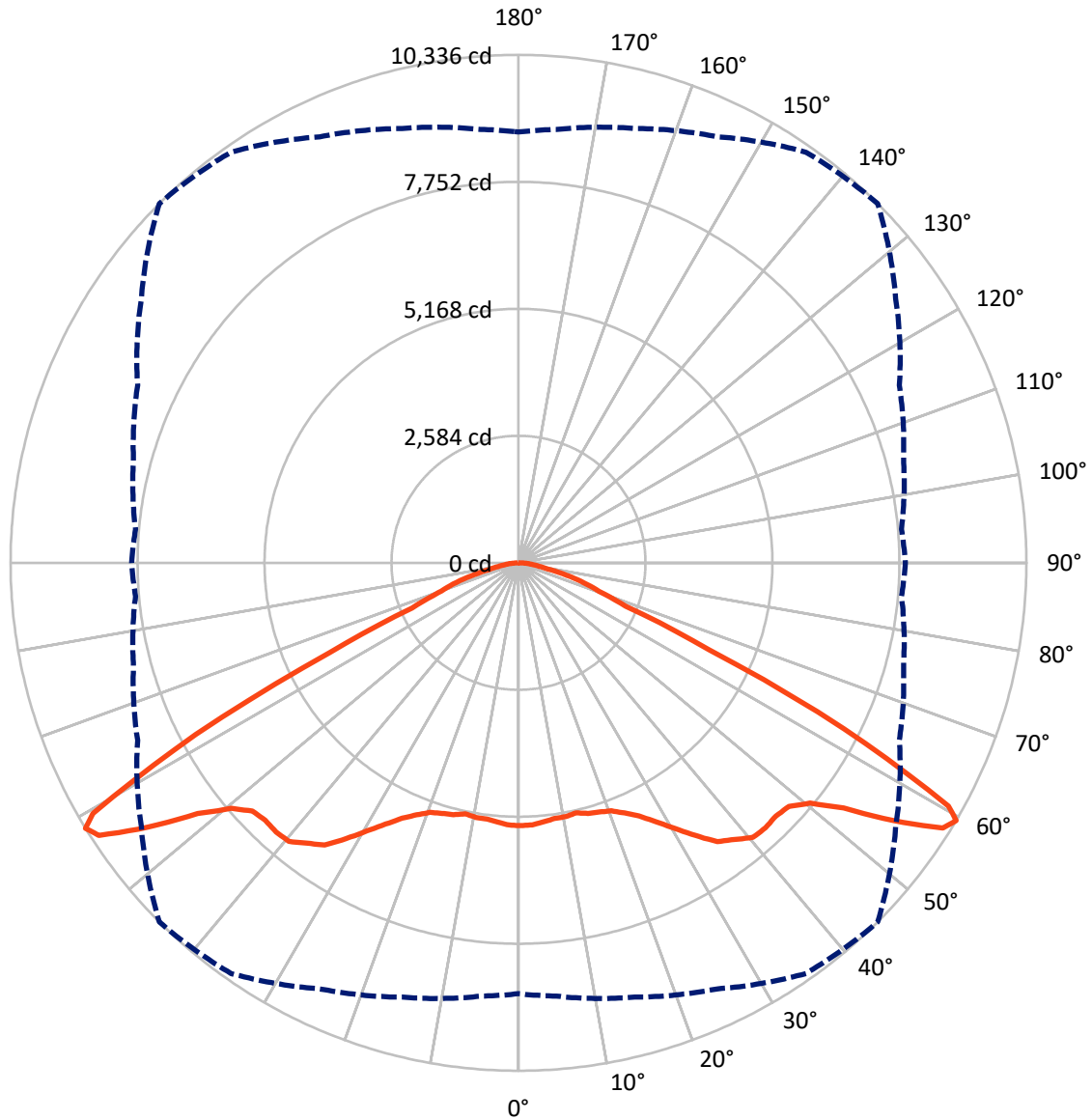
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13847.0	0.0	13847.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13847.0	0.0	13847.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27693.9	0.0	27693.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.3	1.8
10°-20°	1499.6	5.4
20°-30°	2618.4	9.5
30°-40°	4182.0	15.1
40°-50°	5696.7	20.6
50°-60°	7703.4	27.8
60°-70°	4224.6	15.3
70°-80°	1080.8	3.9
80°-90°	184.3	0.7
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°	27693.9	100.0
0°-180°	27693.9	100.0

Coefficient of Utilization

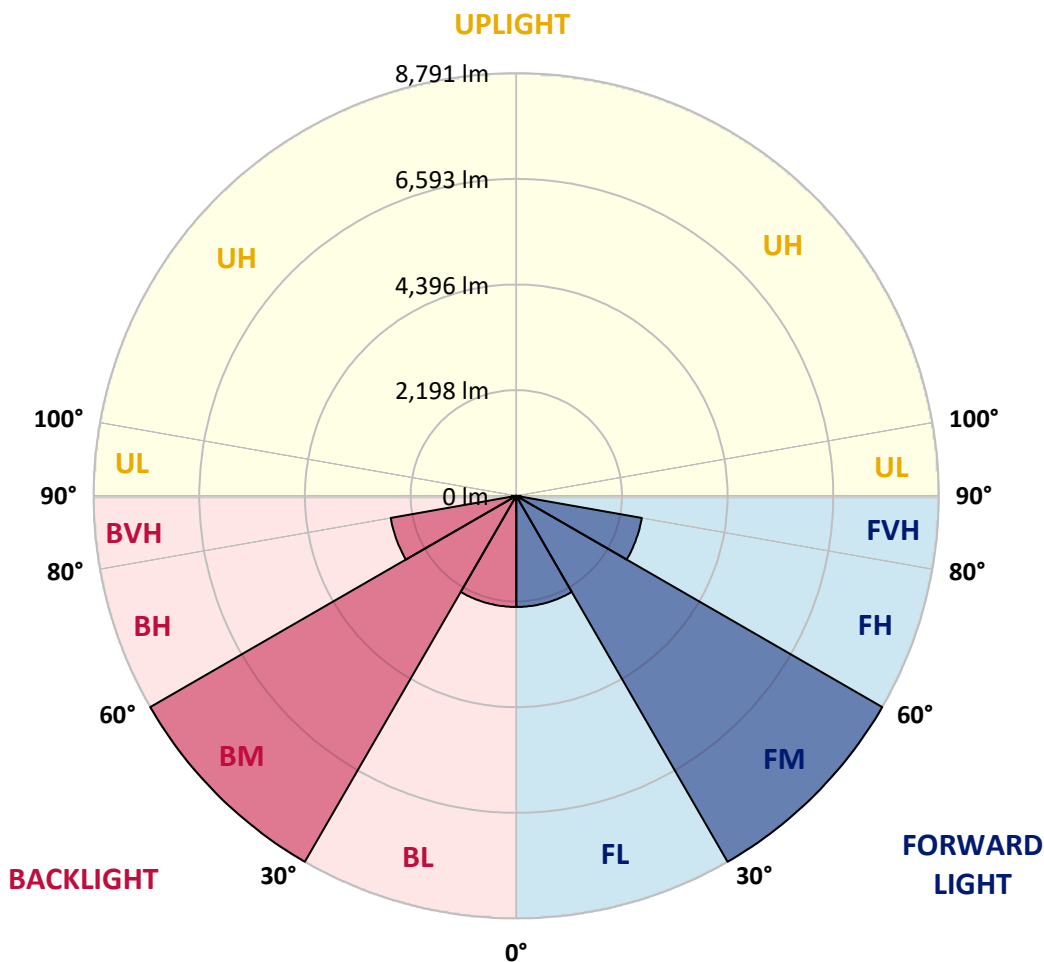


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2311.1	8.3			
FM (30°-60°)	8791.0	31.7			
FH (60°-80°)	2652.7	9.6			G2/5000
FVH (80°-90°)	92.2	0.3			G1/100
BL (0°-30°)	2311.1	8.3	B3/2500		
BM (30°-60°)	8791.0	31.7	B5		
BH (60°-80°)	2652.7	9.6	B4/5000		G2/5000
BVH (80°-90°)	92.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5349.1	5349.1	5349.1	5349.1	5349.1	5349.1	5349.1	5349.1	5349.1	5349.1	5349.1
2.5°	5317.2	5356.3	5327.8	5352.7	5349.1	5338.5	5320.7	5310.1	5295.9	5317.2	5281.7
5°	5295.9	5327.8	5359.8	5317.2	5317.2	5295.9	5285.2	5264.0	5264.0	5260.4	5256.8
7.5°	5331.4	5299.4	5285.2	5292.4	5299.4	5253.3	5285.2	5242.7	5207.2	5232.0	5260.4
10°	5299.4	5313.7	5260.4	5285.2	5246.2	5253.3	5232.0	5260.4	5221.4	5221.4	5221.4
12.5°	5331.4	5292.4	5310.1	5292.4	5281.7	5221.4	5249.8	5217.8	5214.2	5249.8	5217.8
15°	5395.3	5331.4	5317.2	5281.7	5292.4	5292.4	5264.0	5267.5	5228.5	5249.8	5256.8
17.5°	5374.0	5338.5	5327.8	5285.2	5320.7	5331.4	5278.1	5242.7	5267.5	5264.0	5260.4
20°	5391.7	5405.9	5395.3	5402.4	5416.6	5388.2	5338.5	5288.8	5256.8	5303.0	5299.4
22.5°	5505.4	5491.1	5484.1	5476.9	5501.7	5530.2	5462.8	5384.6	5384.6	5416.6	5430.8
25°	5597.6	5594.1	5590.5	5622.5	5707.7	5707.7	5622.5	5523.0	5498.2	5519.5	5501.7
27.5°	5732.5	5771.6	5757.3	5814.2	5938.4	5966.8	5853.2	5736.0	5668.6	5643.8	5675.7
30°	6041.3	5995.1	6005.8	6066.1	6176.1	6268.5	6094.6	5970.3	5878.1	5874.5	5888.7
32.5°	6247.2	6282.6	6314.6	6371.4	6545.3	6616.4	6406.9	6204.6	6147.8	6115.9	6126.5
35°	6658.9	6627.0	6619.9	6676.6	6850.6	6967.8	6705.1	6527.6	6453.0	6524.0	6524.0
37.5°	7049.3	6960.6	6893.2	6967.8	7127.5	7141.7	6918.0	6822.2	6783.1	6864.8	6861.3
40°	7234.0	7226.9	7070.6	7113.2	7326.2	7347.5	7138.1	7024.5	7017.4	7123.9	7230.4
42.5°	7425.6	7358.2	7202.0	7230.4	7361.7	7368.8	7170.1	7138.1	7216.2	7319.2	7326.2
45°	7457.5	7400.8	7301.4	7230.4	7326.2	7347.5	7230.4	7251.7	7258.8	7383.0	7383.0
47.5°	7521.4	7514.4	7457.5	7404.3	7422.1	7404.3	7329.7	7361.7	7468.2	7528.5	7500.1
50°	7698.9	7624.4	7681.2	7635.0	7638.6	7688.3	7620.9	7652.8	7631.5	7578.3	7542.7
52.5°	8089.4	8053.9	8103.6	8135.5	8171.0	8284.6	8206.5	8036.2	7876.4	7734.4	7730.9
55°	8660.8	8685.7	8781.5	8944.8	9083.3	9264.3	8888.0	8479.8	8224.2	8000.6	8014.9
57.5°	9200.4	9182.6	9313.9	9686.6	10091.3	10183.6	9445.3	8863.2	8447.9	8305.9	8245.5
59°	8767.3	8852.5	9150.7	9566.0	10201.3	10336.2	9370.8	8550.8	8110.7	7823.2	7872.8
60°	8085.8	8117.8	8384.0	8962.5	9821.6	10052.2	8870.3	8068.1	7482.4	7315.6	7390.1
62.5°	5714.7	5689.9	5881.6	6353.7	7123.9	7436.2	6595.1	6030.7	5661.5	5476.9	5519.5
65°	3038.4	3152.0	3230.1	3524.7	3932.9	4263.0	3915.2	3670.2	3464.3	3311.7	3308.2
67.5°	2051.6	2037.4	2055.1	2122.6	2261.1	2353.3	2346.3	2222.0	2204.2	2175.9	2207.8
70°	1728.6	1721.5	1689.6	1689.6	1718.0	1739.3	1764.1	1778.3	1806.7	1842.2	1838.6
72.5°	1402.0	1384.3	1363.0	1352.4	1387.9	1398.5	1430.5	1444.6	1469.5	1465.9	1497.9
75°	926.4	926.4	951.3	979.7	990.3	1011.6	1015.2	1057.8	1057.8	1064.9	1036.5
77.5°	518.3	504.0	521.8	550.2	575.0	614.1	653.1	685.0	702.8	695.7	695.7
80°	301.7	301.7	319.5	351.4	383.4	418.8	447.2	472.1	489.8	482.7	468.5
82.5°	188.2	188.2	205.9	237.8	262.7	284.0	323.0	354.9	376.2	369.2	351.4
85°	95.8	95.8	117.1	138.4	170.4	184.6	181.0	166.9	163.3	145.6	145.6
87.5°	24.8	24.8	35.5	39.1	31.9	35.5	35.5	35.5	35.5	35.5	39.1
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)