

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: P646992

Luminaire Tested: **GALN-SA6C-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
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-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28603 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

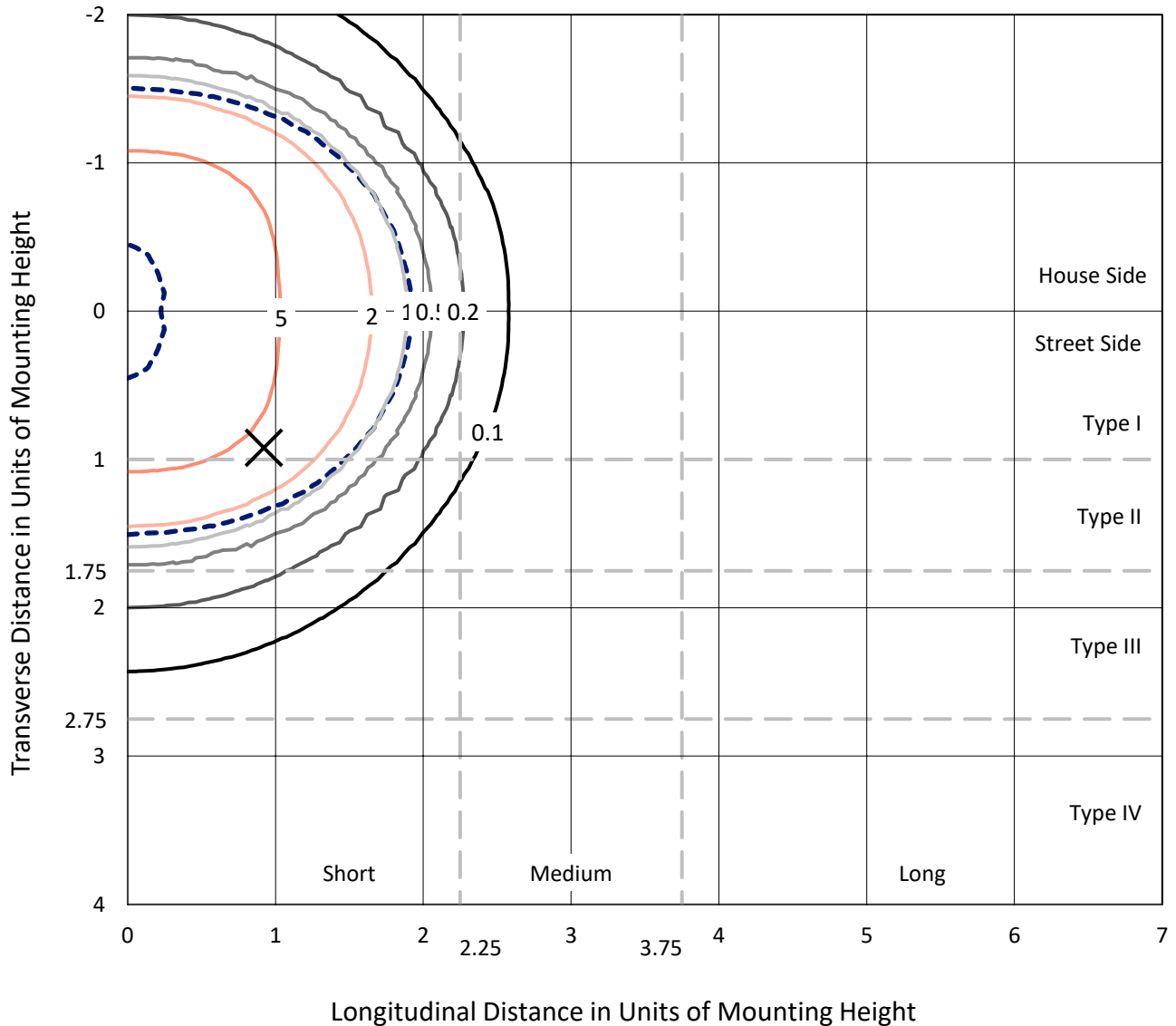
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

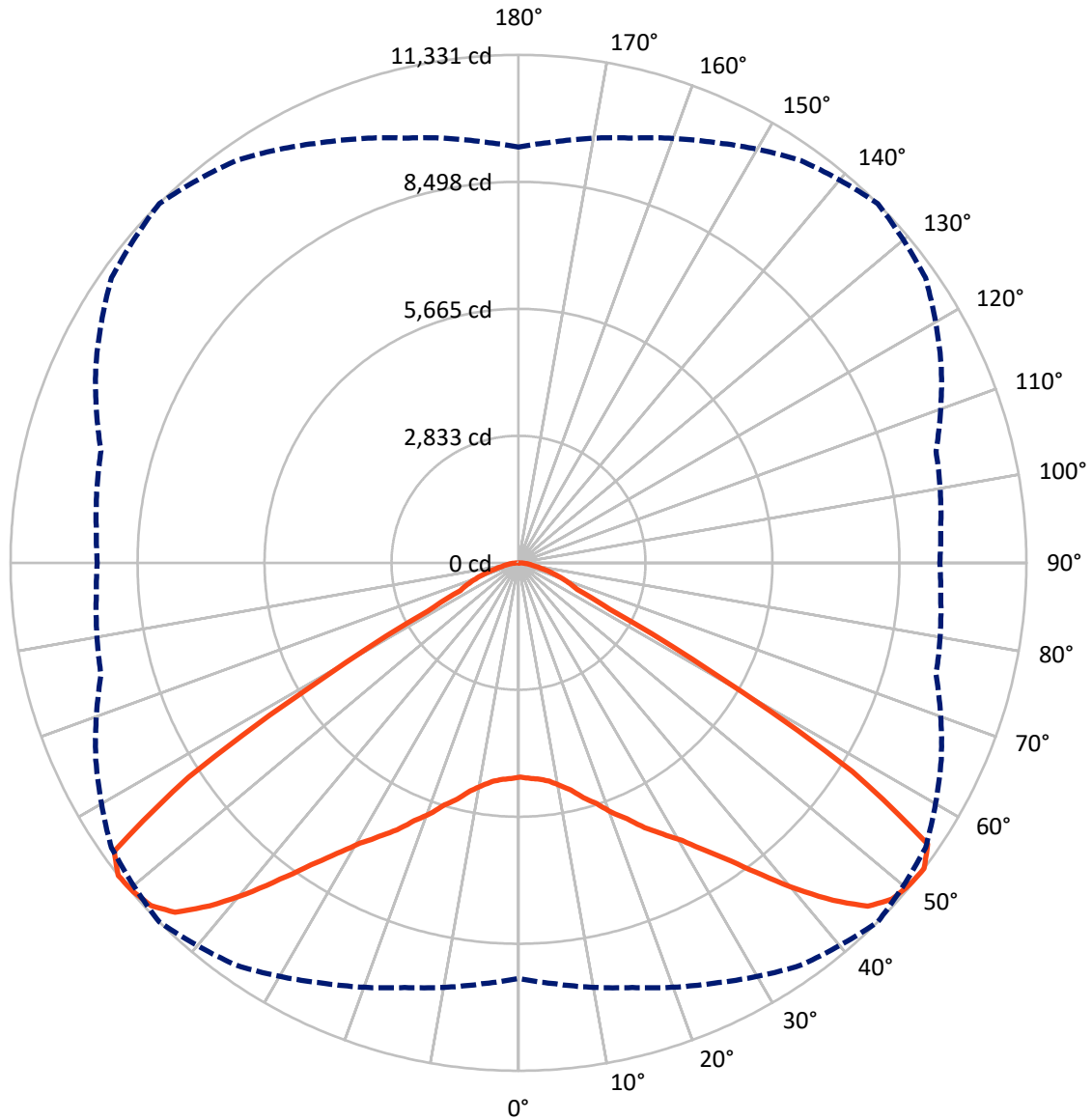
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14301.5	0.0	14301.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14301.5	0.0	14301.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28603.0	0.0	28603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.8	1.6
10°-20°	1543.6	5.4
20°-30°	2938.8	10.3
30°-40°	5046.1	17.6
40°-50°	7755.9	27.1
50°-60°	7876.0	27.5
60°-70°	2194.9	7.7
70°-80°	647.5	2.3
80°-90°	130.4	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°	28603.0	100.0
0°-180°	28603.0	100.0

Coefficient of Utilization



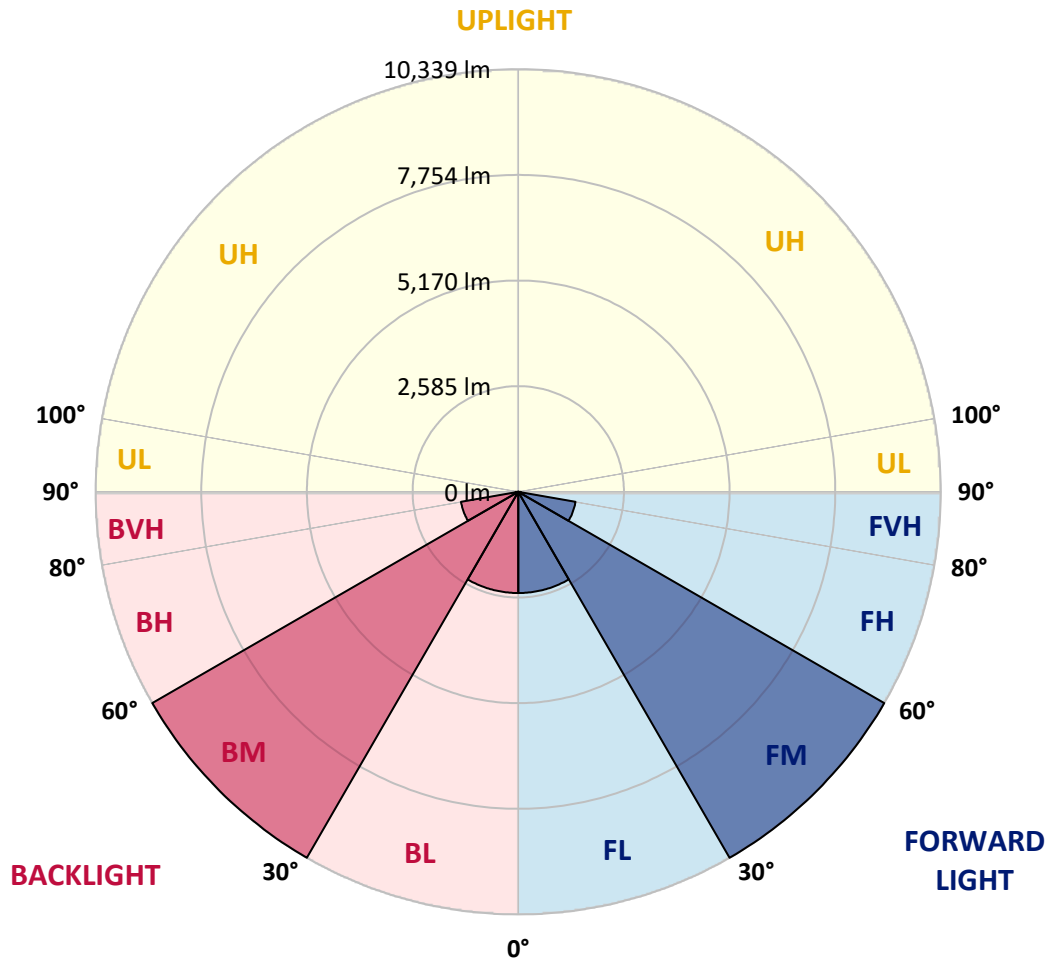
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2476.1	8.7			
FM (30°-60°)	10339.0	36.1			
FH (60°-80°)	1421.2	5.0			G1/1800
FVH (80°-90°)	65.2	0.2			G1/100
BL (0°-30°)	2476.1	8.7	B3/2500		
BM (30°-60°)	10339.0	36.1	B5		
BH (60°-80°)	1421.2	5.0	B3/2500		G1/1800
BVH (80°-90°)	65.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4781.4	4781.4	4781.4	4781.4	4781.4	4781.4	4781.4	4781.4	4781.4	4781.4	4781.4
2.5°	4792.0	4742.3	4760.1	4770.7	4816.9	4813.3	4802.7	4816.9	4831.0	4834.6	4827.5
5°	4788.4	4753.0	4767.1	4777.8	4824.0	4848.8	4841.7	4902.0	4944.6	4934.0	4987.2
7.5°	4760.1	4781.4	4763.6	4816.9	4855.9	4916.2	4980.1	5037.0	5090.2	5150.5	5161.1
10°	4824.0	4824.0	4855.9	4898.5	5001.4	5047.6	5139.8	5221.5	5324.5	5395.4	5367.1
12.5°	4891.4	4902.0	4902.0	5012.1	5097.3	5200.2	5285.4	5395.4	5541.0	5626.2	5668.8
15°	4958.8	4965.9	5001.4	5150.5	5278.3	5441.6	5519.7	5619.0	5700.7	5860.4	5864.0
17.5°	5019.2	5058.3	5164.7	5331.5	5491.3	5647.5	5771.7	5874.7	5945.6	6009.5	5995.4
20°	5246.3	5274.8	5384.8	5551.6	5789.5	5942.1	5984.7	6002.5	6048.6	6176.4	6137.3
22.5°	5466.4	5477.1	5580.0	5835.6	6002.5	6204.8	6250.9	6240.3	6258.0	6290.0	6346.8
25°	5693.7	5711.4	5853.4	6069.9	6304.2	6545.6	6584.6	6503.0	6478.1	6513.6	6517.1
27.5°	5984.7	5988.2	6169.3	6357.4	6623.6	6850.8	6911.1	6847.3	6730.1	6758.5	6804.7
30°	6353.9	6329.0	6510.0	6779.8	7060.2	7188.0	7291.0	7259.0	7131.3	7106.4	7067.4
32.5°	6779.8	6786.9	6950.2	7244.8	7429.4	7642.4	7752.4	7699.2	7617.5	7574.9	7599.8
35°	7379.7	7411.6	7521.7	7766.6	8064.8	8171.3	8345.2	8231.6	8018.6	8071.9	8118.1
37.5°	7873.1	7965.4	8171.3	8462.4	8639.9	8835.1	8899.0	8746.3	8590.1	8526.2	8678.9
40°	8629.2	8600.8	8827.9	9119.1	9381.7	9577.0	9495.3	9342.7	8955.7	8959.3	9001.9
42.5°	9278.8	9293.0	9466.9	9814.7	10173.3	10293.9	10034.8	9662.1	9232.6	9186.5	9278.8
45°	9825.4	9882.2	9981.6	10446.6	10798.0	10929.3	10450.2	10010.0	9434.9	9243.2	9395.9
47.5°	10020.6	10112.9	10329.5	10755.4	11103.3	11209.7	10826.4	10194.6	9623.1	9310.7	9392.3
50°	10049.0	10017.1	10372.1	10762.5	11067.8	11298.5	10961.3	10329.5	9577.0	9413.6	9388.8
52.5°	9271.7	9427.9	9807.6	10343.7	10961.3	11330.5	11082.0	10404.0	9640.8	9456.2	9395.9
55°	7504.0	7319.3	8011.6	8913.1	10049.0	11074.9	11039.4	10443.0	9679.8	9527.2	9445.6
57.5°	4188.6	4241.8	4632.3	5612.0	7078.0	8781.8	9814.7	10031.2	9662.1	9573.3	9615.9
60°	1938.1	1955.9	2122.7	2580.6	3489.3	4980.1	6339.6	7720.5	8355.9	8483.6	8483.6
62.5°	1444.7	1437.6	1480.2	1561.9	1753.5	2289.5	3056.2	4153.1	5026.3	5636.8	5796.5
65°	1306.3	1302.8	1324.1	1352.4	1366.6	1441.2	1611.6	1948.7	2232.7	2396.0	2367.6
67.5°	1143.0	1139.4	1146.5	1164.3	1189.1	1228.2	1270.8	1341.7	1441.2	1434.1	1416.3
70°	922.9	922.9	933.6	947.7	976.2	1022.3	1072.0	1121.6	1206.9	1224.6	1221.1
72.5°	681.5	670.9	692.2	720.6	748.9	805.8	859.0	905.1	965.5	983.2	976.2
75°	433.1	440.1	454.4	486.3	536.0	575.0	631.8	670.9	709.9	724.1	727.6
77.5°	241.4	248.4	273.3	312.3	362.1	404.7	454.4	486.3	511.1	514.7	518.3
80°	145.6	149.1	173.9	209.5	252.0	298.2	337.2	369.2	390.5	379.8	376.2
82.5°	88.7	92.3	113.6	145.6	181.0	216.5	259.1	287.5	308.8	294.6	280.4
85°	46.1	49.7	67.4	88.7	117.1	134.9	134.9	120.7	117.1	110.0	106.5
87.5°	14.2	14.2	17.8	21.3	17.8	21.3	24.8	28.4	28.4	31.9	28.4
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)