

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: P647102

Luminaire Tested: **GALN-SA8C-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647102
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-SA8C-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 38950.4 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

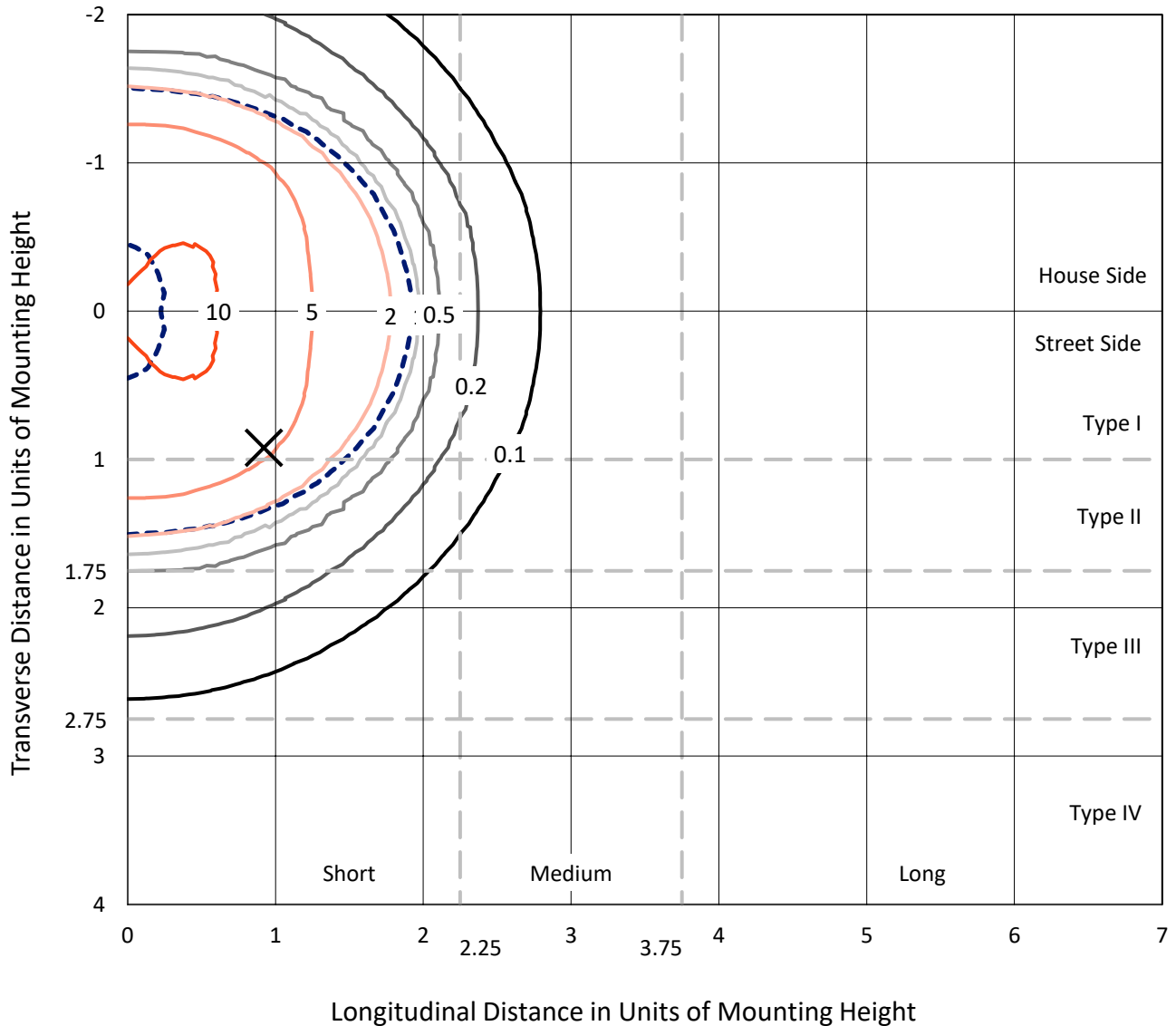
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

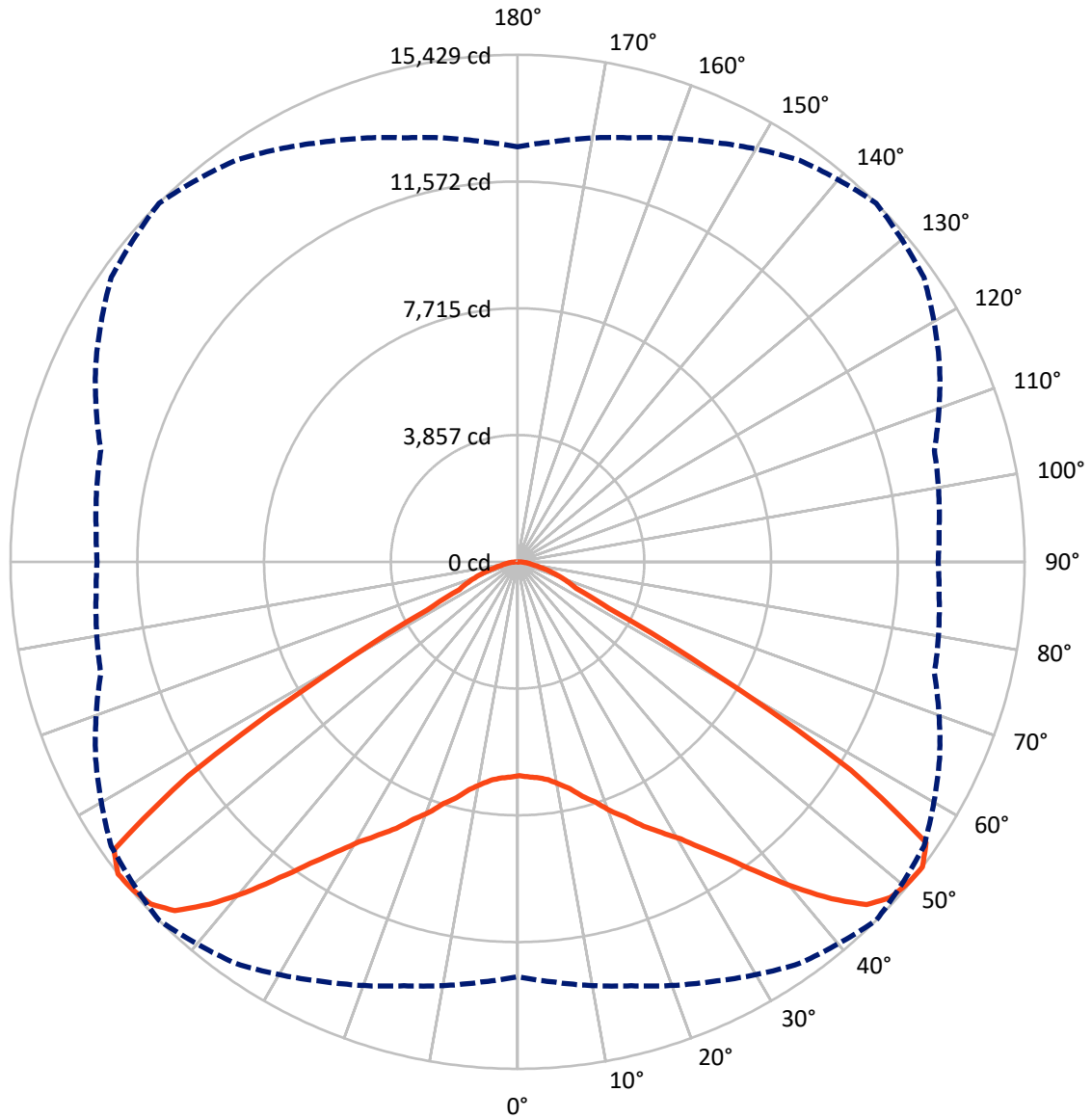
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 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	19475.2	0.0	19475.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19475.2	0.0	19475.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	38950.4	0.0	38950.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	639.7	1.6
10°-20°	2102.0	5.4
20°-30°	4001.9	10.3
30°-40°	6871.5	17.6
40°-50°	10561.7	27.1
50°-60°	10725.2	27.5
60°-70°	2989.0	7.7
70°-80°	881.7	2.3
80°-90°	177.6	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°	38950.4	100.0
0°-180°	38950.4	100.0

Coefficient of Utilization



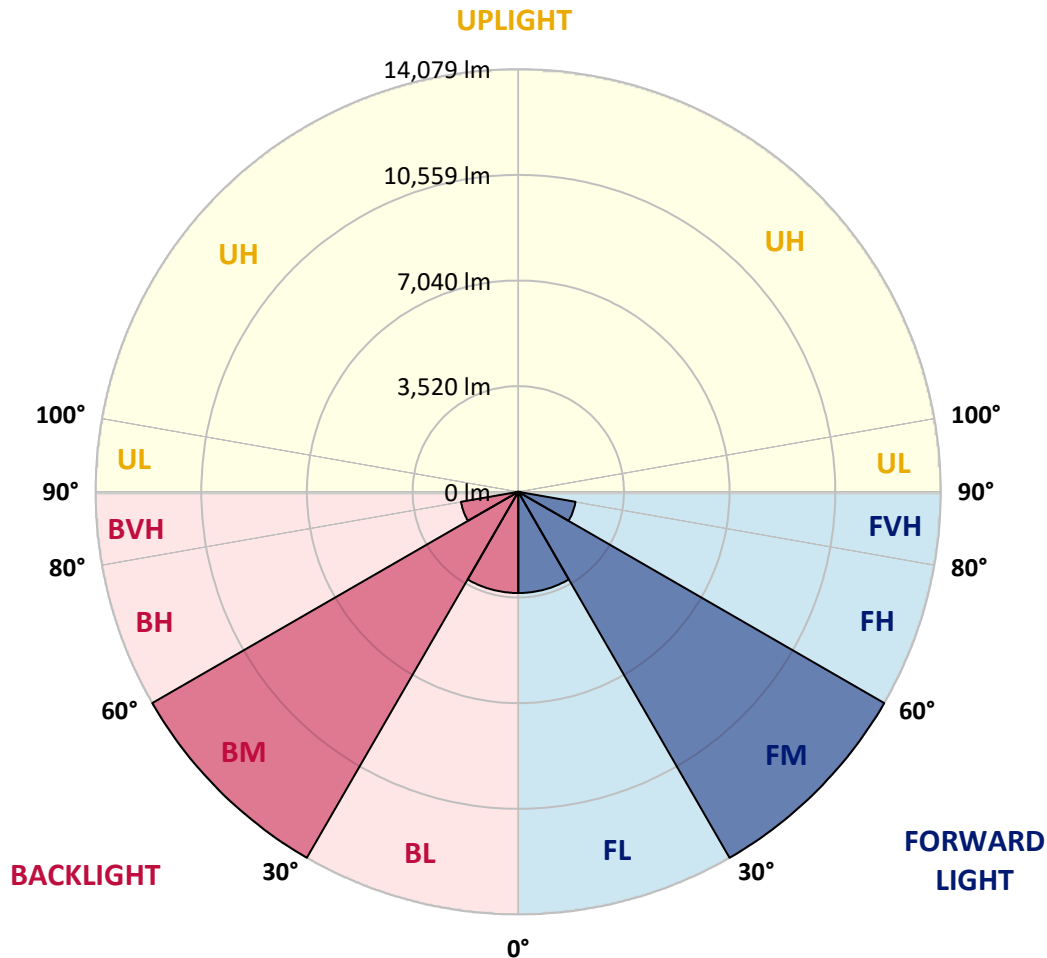
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3371.8	8.7			
FM (30°-60°)	14079.2	36.1			
FH (60°-80°)	1935.4	5.0			G2/5000
FVH (80°-90°)	88.8	0.2			G1/100
BL (0°-30°)	3371.8	8.7	B4/5000		
BM (30°-60°)	14079.2	36.1	B5		
BH (60°-80°)	1935.4	5.0	B3/2500		G2/5000
BVH (80°-90°)	88.8	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6511.0	6511.0	6511.0	6511.0	6511.0	6511.0	6511.0	6511.0	6511.0	6511.0	6511.0
2.5°	6525.6	6457.9	6482.1	6496.6	6559.4	6554.6	6540.1	6559.4	6578.8	6583.5	6573.9
5°	6520.7	6472.4	6491.7	6506.3	6569.1	6602.9	6593.3	6675.4	6733.4	6718.9	6791.4
7.5°	6482.1	6511.0	6486.9	6559.4	6612.6	6694.7	6781.7	6859.1	6931.6	7013.8	7028.3
10°	6569.1	6569.1	6612.6	6670.6	6810.8	6873.6	6999.2	7110.4	7250.7	7347.3	7308.6
12.5°	6660.9	6675.4	6675.4	6825.3	6941.3	7081.5	7197.5	7347.3	7545.5	7661.5	7719.5
15°	6752.7	6762.4	6810.8	7013.8	7187.8	7410.2	7516.5	7651.8	7763.0	7980.5	7985.3
17.5°	6834.9	6888.1	7033.1	7260.3	7477.8	7690.5	7859.7	7999.8	8096.5	8183.5	8164.2
20°	7144.2	7182.9	7332.8	7560.0	7883.9	8091.7	8149.7	8173.9	8236.7	8410.8	8357.6
22.5°	7444.0	7458.5	7598.6	7946.7	8173.9	8449.4	8512.2	8497.7	8521.9	8565.4	8642.8
25°	7753.3	7777.5	7970.9	8265.7	8584.7	8913.4	8966.6	8855.4	8821.6	8869.9	8874.8
27.5°	8149.7	8154.6	8401.0	8657.2	9019.8	9329.1	9411.3	9324.3	9164.8	9203.5	9266.3
30°	8652.4	8618.6	8865.1	9232.4	9614.3	9788.4	9928.5	9885.0	9711.0	9677.2	9624.0
32.5°	9232.4	9242.1	9464.5	9865.7	10117.1	10407.1	10556.9	10484.4	10373.3	10315.2	10349.1
35°	10049.3	10092.9	10242.7	10576.2	10982.3	11127.3	11364.1	11209.5	10919.4	10991.9	11054.8
37.5°	10721.2	10846.9	11127.3	11523.6	11765.4	12031.2	12118.2	11910.4	11697.7	11610.6	11818.5
40°	11750.9	11712.2	12021.6	12417.9	12775.6	13041.5	12930.3	12722.4	12195.5	12200.4	12258.4
42.5°	12635.4	12654.8	12891.6	13365.3	13853.5	14017.9	13665.0	13157.5	12572.6	12509.8	12635.4
45°	13379.8	13457.2	13592.5	14225.7	14704.3	14883.1	14230.6	13631.2	12848.1	12587.1	12794.9
47.5°	13645.7	13771.3	14066.2	14646.2	15120.0	15265.0	14743.0	13882.5	13104.3	12679.0	12790.1
50°	13684.3	13640.9	14124.2	14656.0	15071.7	15385.8	14926.6	14066.2	13041.5	12819.1	12785.3
52.5°	12625.7	12838.5	13355.6	14085.5	14926.6	15429.3	15091.0	14167.8	13128.5	12877.1	12794.9
55°	10218.5	9967.2	10909.8	12137.5	13684.3	15081.3	15033.0	14220.9	13181.6	12973.8	12862.6
57.5°	5703.8	5776.3	6308.1	7642.2	9638.5	11958.7	13365.3	13660.1	13157.5	13036.6	13094.7
60°	2639.3	2663.4	2890.6	3514.1	4751.6	6781.7	8633.0	10513.4	11378.6	11552.7	11552.7
62.5°	1967.4	1957.7	2015.7	2126.9	2387.8	3117.7	4161.9	5655.5	6844.6	7676.0	7893.5
65°	1778.8	1774.0	1803.0	1841.7	1861.0	1962.5	2194.5	2653.7	3040.5	3262.8	3224.1
67.5°	1556.4	1551.7	1561.3	1585.5	1619.3	1672.5	1730.5	1827.1	1962.5	1952.8	1928.7
70°	1256.8	1256.8	1271.3	1290.6	1329.3	1392.1	1459.8	1527.5	1643.4	1667.6	1662.8
72.5°	928.1	913.6	942.6	981.3	1019.9	1097.3	1169.8	1232.6	1314.8	1338.9	1329.3
75°	589.8	599.4	618.7	662.3	729.9	783.1	860.4	913.6	966.8	986.1	990.9
77.5°	328.7	338.3	372.2	425.4	493.1	551.1	618.7	662.3	696.1	700.9	705.7
80°	198.2	203.0	236.9	285.2	343.2	406.1	459.2	502.7	531.7	517.2	512.4
82.5°	120.8	125.7	154.6	198.2	246.5	294.9	352.9	391.5	420.5	401.2	381.9
85°	62.9	67.7	91.8	120.8	159.5	183.7	183.7	164.4	159.5	149.9	145.0
87.5°	19.3	19.3	24.2	29.0	24.2	29.0	33.8	38.7	38.7	43.5	38.7
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)