

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: P531116

Luminaire Tested: **GALN-SA6B-827-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531116
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-SA6B-827-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 800mA 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: 21735 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

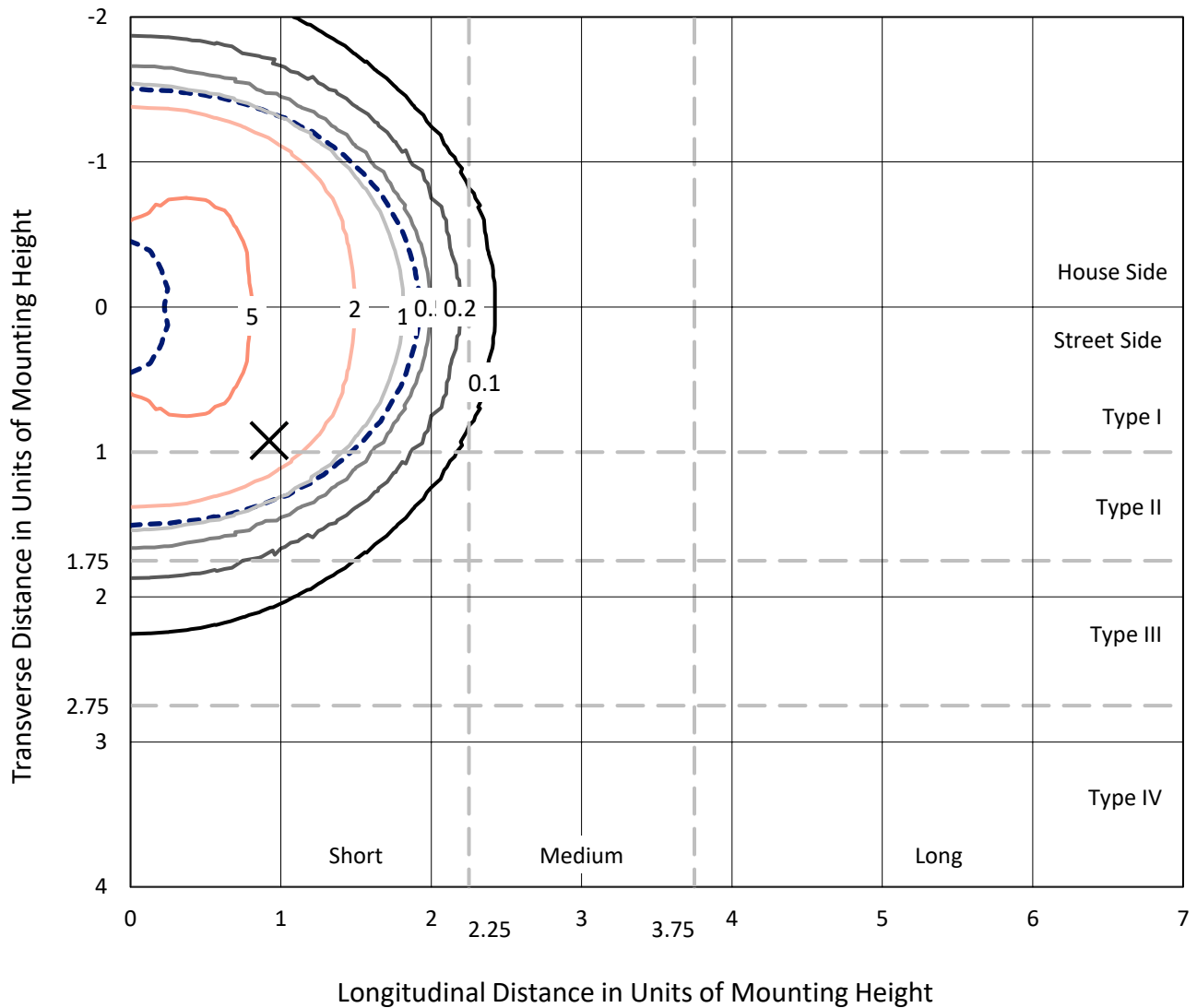
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

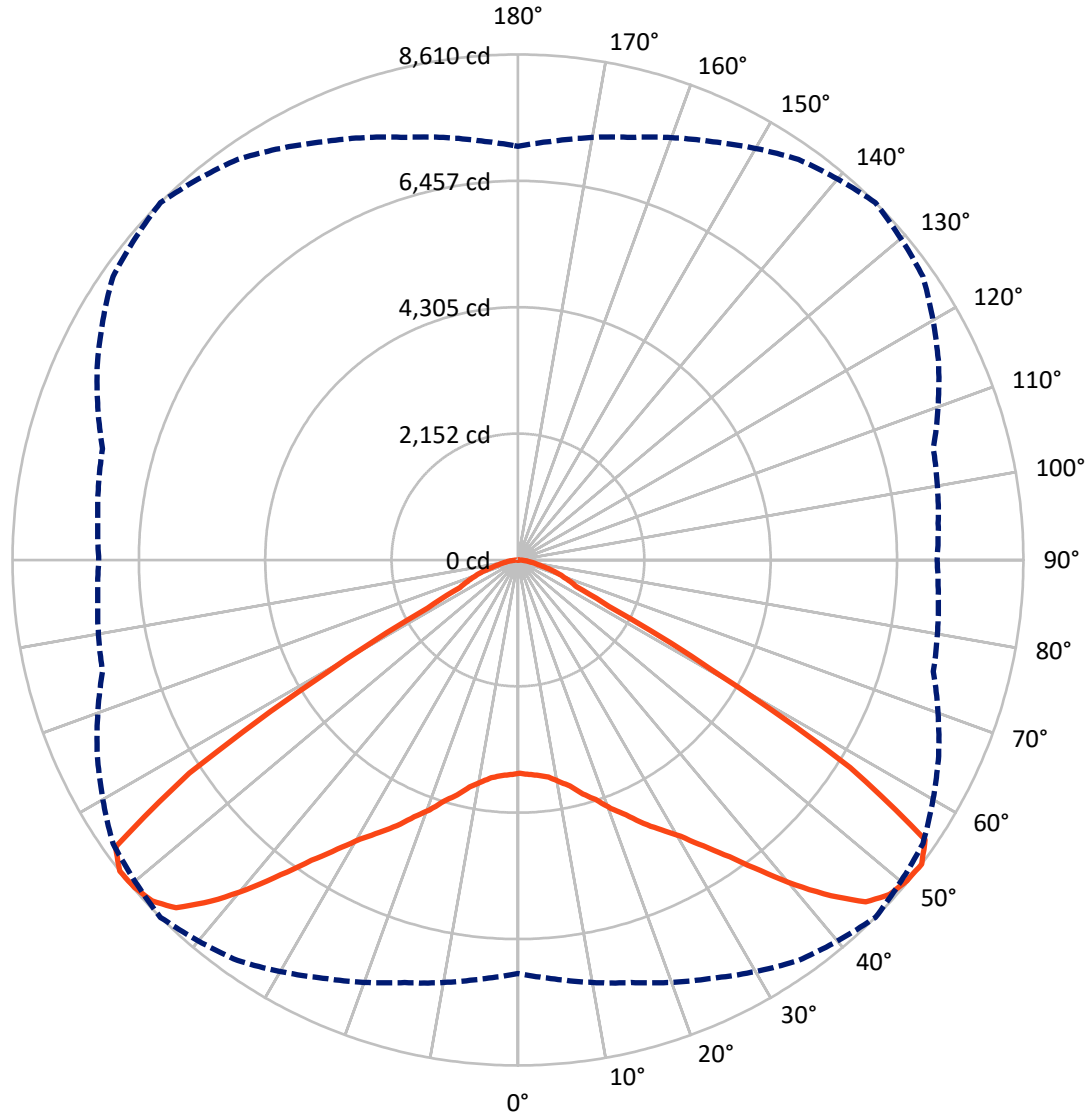
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	10867.5	0.0	10867.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10867.5	0.0	10867.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21735.0	0.0	21735.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.0	1.6
10°-20°	1172.9	5.4
20°-30°	2233.1	10.3
30°-40°	3834.4	17.6
40°-50°	5893.6	27.1
50°-60°	5984.9	27.5
60°-70°	1667.9	7.7
70°-80°	492.0	2.3
80°-90°	99.1	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°	21735.0	100.0
0°-180°	21735.0	100.0

Coefficient of Utilization



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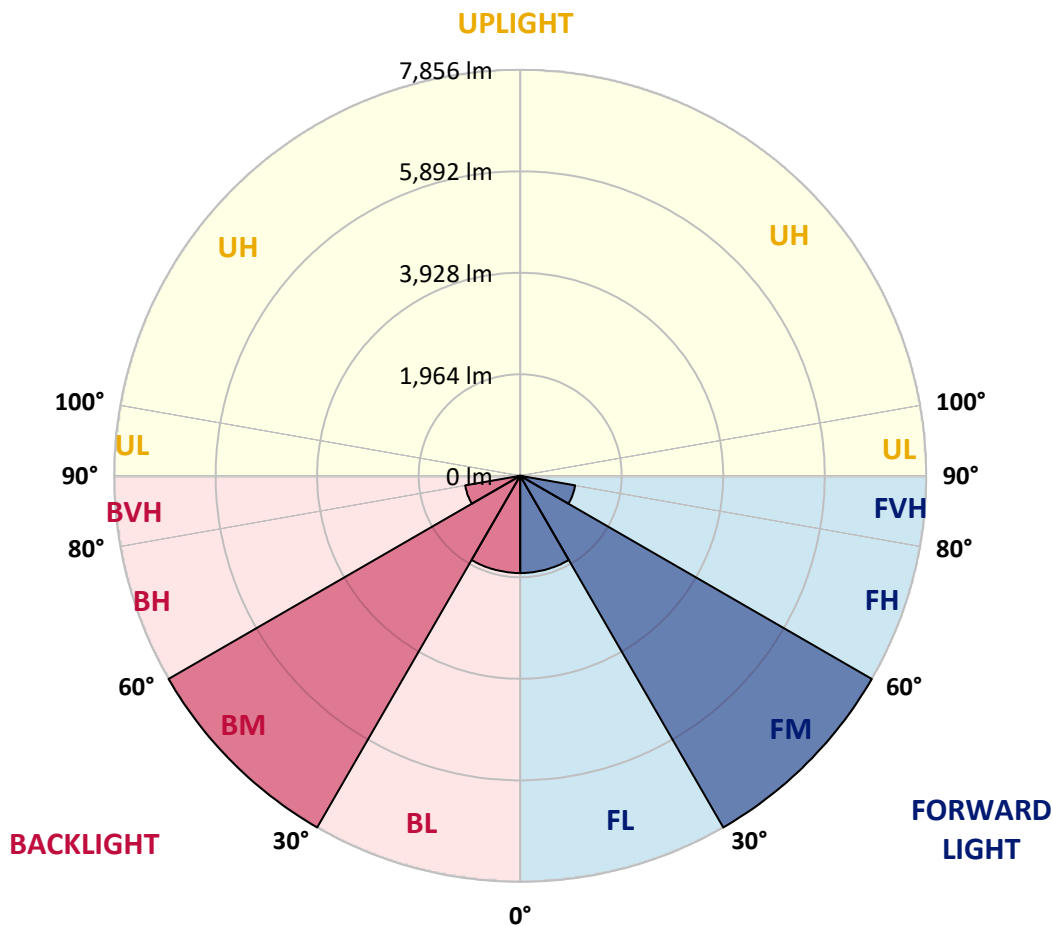
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1881.5	8.7			
FM (30°-60°)	7856.5	36.1			
FH (60°-80°)	1080.0	5.0			G1/1800
FVH (80°-90°)	49.6	0.2			G1/100
BL (0°-30°)	1881.5	8.7	B3/2500		
BM (30°-60°)	7856.5	36.1	B4/8500		
BH (60°-80°)	1080.0	5.0	B3/2500		G1/1800
BVH (80°-90°)	49.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3633.3	3633.3	3633.3	3633.3	3633.3	3633.3	3633.3	3633.3	3633.3	3633.3	3633.3
2.5°	3641.4	3603.6	3617.1	3625.2	3660.3	3657.6	3649.5	3660.3	3671.1	3673.8	3668.4
5°	3638.7	3611.7	3622.5	3630.6	3665.7	3684.5	3679.1	3725.0	3757.4	3749.3	3789.7
7.5°	3617.1	3633.3	3619.8	3660.3	3689.9	3735.8	3784.3	3827.5	3868.0	3913.8	3921.9
10°	3665.7	3665.7	3689.9	3722.3	3800.5	3835.6	3905.7	3967.8	4046.0	4099.9	4078.3
12.5°	3716.9	3725.0	3725.0	3808.6	3873.4	3951.6	4016.3	4099.9	4210.5	4275.3	4307.6
15°	3768.2	3773.6	3800.5	3913.8	4010.9	4135.0	4194.3	4269.9	4331.9	4453.3	4456.0
17.5°	3814.0	3843.7	3924.6	4051.4	4172.8	4291.4	4385.8	4464.1	4518.0	4566.6	4555.8
20°	3986.6	4008.2	4091.8	4218.6	4399.3	4515.3	4547.7	4561.2	4596.2	4693.3	4663.7
22.5°	4153.9	4162.0	4240.2	4434.4	4561.2	4714.9	4750.0	4741.9	4755.4	4779.7	4822.8
25°	4326.5	4340.0	4447.9	4612.4	4790.4	4973.9	5003.5	4941.5	4922.6	4949.6	4952.3
27.5°	4547.7	4550.4	4687.9	4830.9	5033.2	5205.8	5251.7	5203.1	5114.1	5135.7	5170.8
30°	4828.2	4809.3	4946.9	5151.9	5365.0	5462.1	5540.3	5516.0	5418.9	5400.0	5370.4
32.5°	5151.9	5157.3	5281.4	5505.2	5645.5	5807.3	5890.9	5850.5	5788.5	5756.1	5775.0
35°	5607.7	5632.0	5715.6	5901.7	6128.3	6209.2	6341.4	6255.1	6093.2	6133.7	6168.8
37.5°	5982.7	6052.8	6209.2	6430.4	6565.3	6713.6	6762.2	6646.2	6527.5	6479.0	6595.0
40°	6557.2	6535.6	6708.2	6929.4	7129.0	7277.4	7215.3	7099.3	6805.3	6808.0	6840.4
42.5°	7050.8	7061.6	7193.8	7458.1	7730.5	7822.2	7625.3	7342.1	7015.7	6980.7	7050.8
45°	7466.2	7509.3	7584.9	7938.2	8205.3	8305.1	7940.9	7606.4	7169.5	7023.8	7139.8
47.5°	7614.5	7684.7	7849.2	8172.9	8437.2	8518.1	8226.8	7746.7	7312.4	7075.1	7137.1
50°	7636.1	7611.8	7881.6	8178.3	8410.2	8585.6	8329.3	7849.2	7277.4	7153.3	7134.4
52.5°	7045.4	7164.1	7452.7	7860.0	8329.3	8609.8	8421.0	7905.8	7325.9	7185.7	7139.8
55°	5702.1	5561.9	6087.9	6773.0	7636.1	8415.6	8388.7	7935.5	7355.6	7239.6	7177.6
57.5°	3182.8	3223.3	3520.0	4264.5	5378.5	6673.2	7458.1	7622.6	7342.1	7274.7	7307.0
60°	1472.7	1486.2	1613.0	1961.0	2651.5	3784.3	4817.4	5866.7	6349.5	6446.6	6446.6
62.5°	1097.8	1092.4	1124.8	1186.8	1332.5	1739.8	2322.4	3155.9	3819.4	4283.3	4404.7
65°	992.6	989.9	1006.1	1027.7	1038.5	1095.1	1224.6	1480.8	1696.6	1820.7	1799.1
67.5°	868.5	865.8	871.2	884.7	903.6	933.3	965.6	1019.6	1095.1	1089.7	1076.2
70°	701.3	701.3	709.4	720.2	741.8	776.8	814.6	852.4	917.1	930.6	927.9
72.5°	517.9	509.8	526.0	547.6	569.1	612.3	652.8	687.8	733.7	747.2	741.8
75°	329.1	334.5	345.3	369.5	407.3	437.0	480.1	509.8	539.5	550.3	553.0
77.5°	183.4	188.8	207.7	237.4	275.1	307.5	345.3	369.5	388.4	391.1	393.8
80°	110.6	113.3	132.2	159.1	191.5	226.6	256.2	280.5	296.7	288.6	285.9
82.5°	67.4	70.1	86.3	110.6	137.6	164.5	196.9	218.5	234.7	223.9	213.1
85°	35.1	37.8	51.2	67.4	89.0	102.5	102.5	91.7	89.0	83.6	80.9
87.5°	10.8	10.8	13.5	16.2	13.5	16.2	18.9	21.6	21.6	24.3	21.6
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)