

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: P648477

Luminaire Tested: **GALN-SA6B-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648477
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-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 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: 23150.2 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

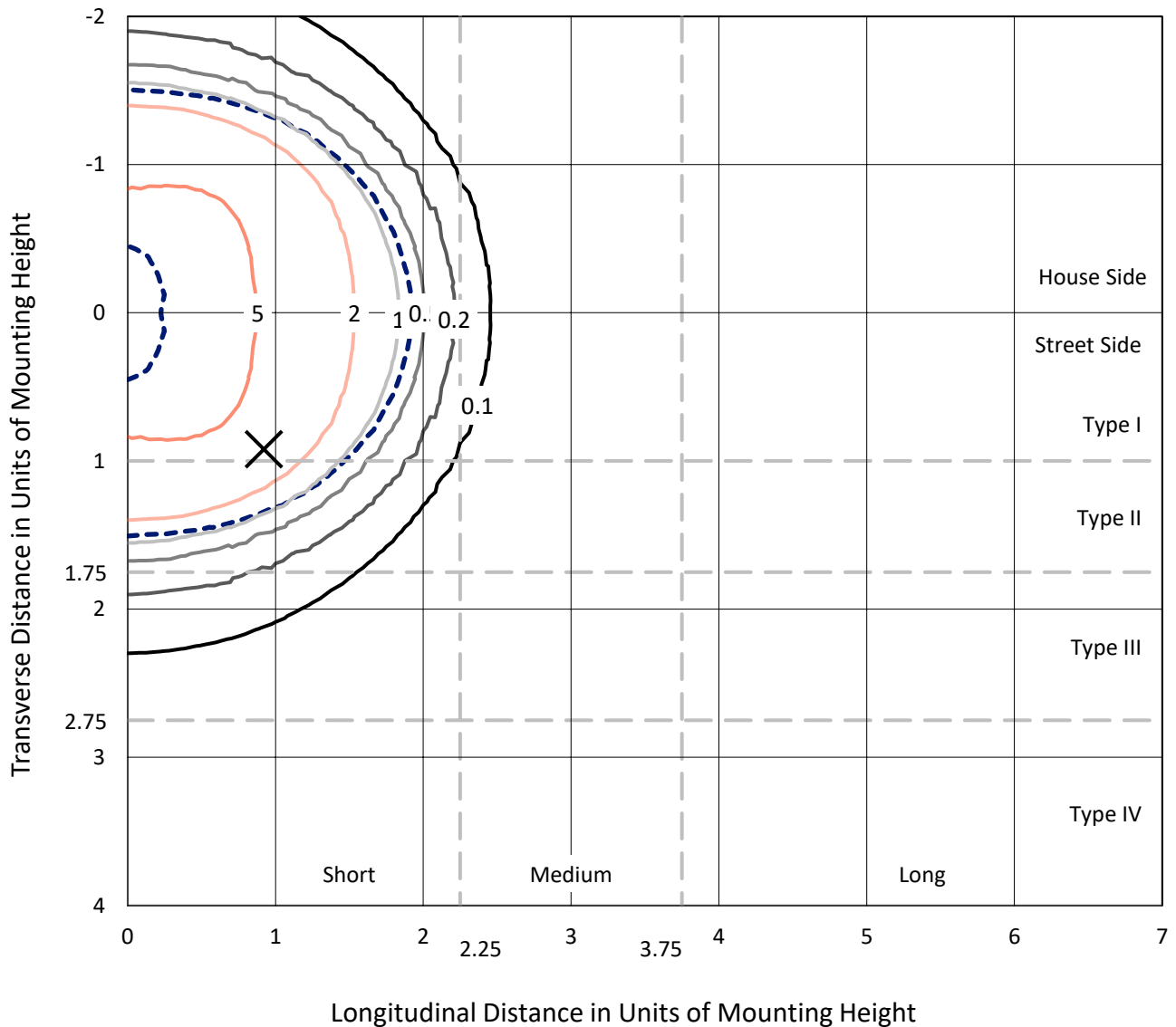
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

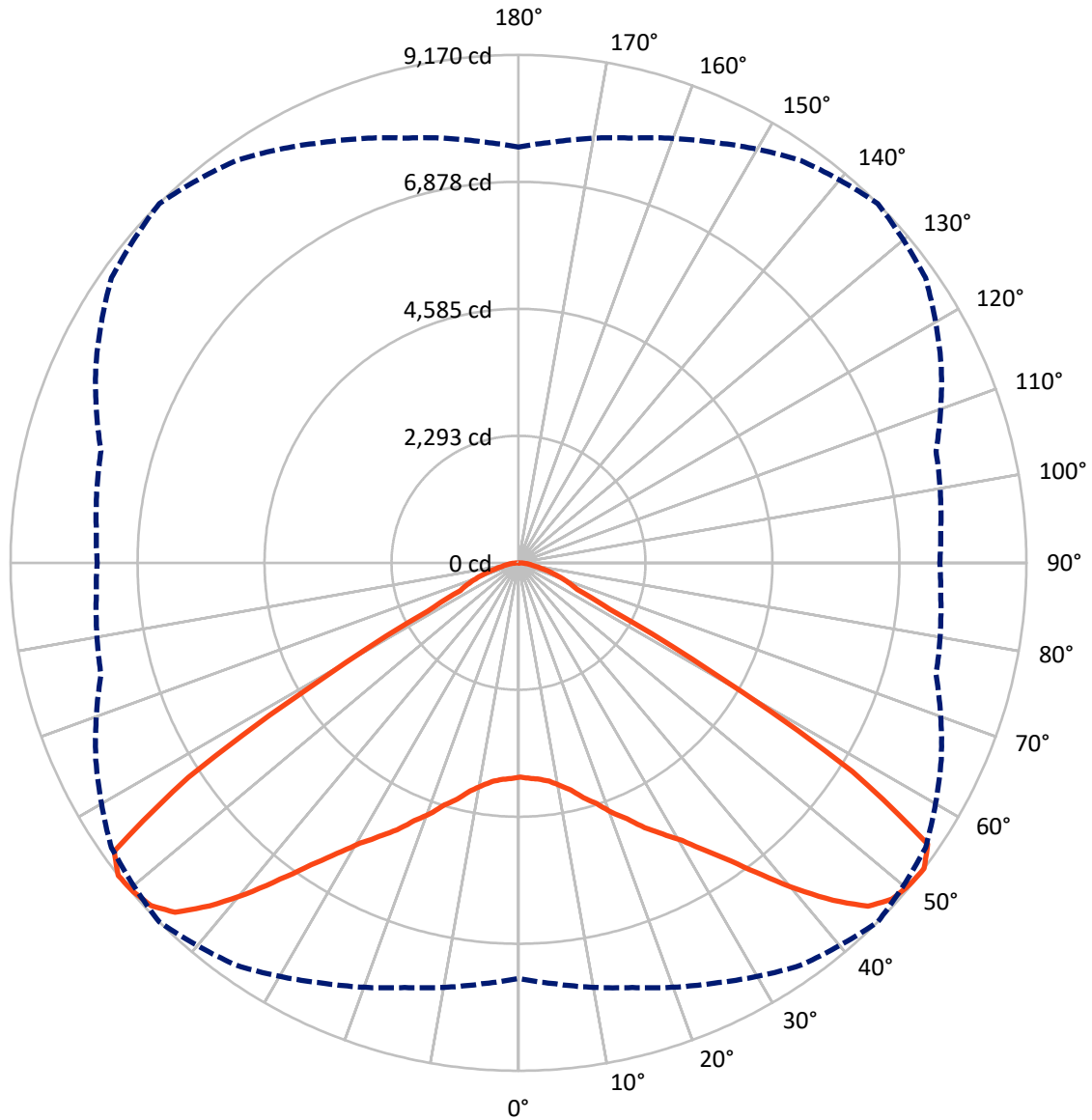
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	11575.1	0.0	11575.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11575.1	0.0	11575.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	23150.2	0.0	23150.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.2	1.6
10°-20°	1249.3	5.4
20°-30°	2378.5	10.3
30°-40°	4084.1	17.6
40°-50°	6277.4	27.1
50°-60°	6374.6	27.5
60°-70°	1776.5	7.7
70°-80°	524.1	2.3
80°-90°	105.5	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°	23150.2	100.0
0°-180°	23150.2	100.0

Coefficient of Utilization



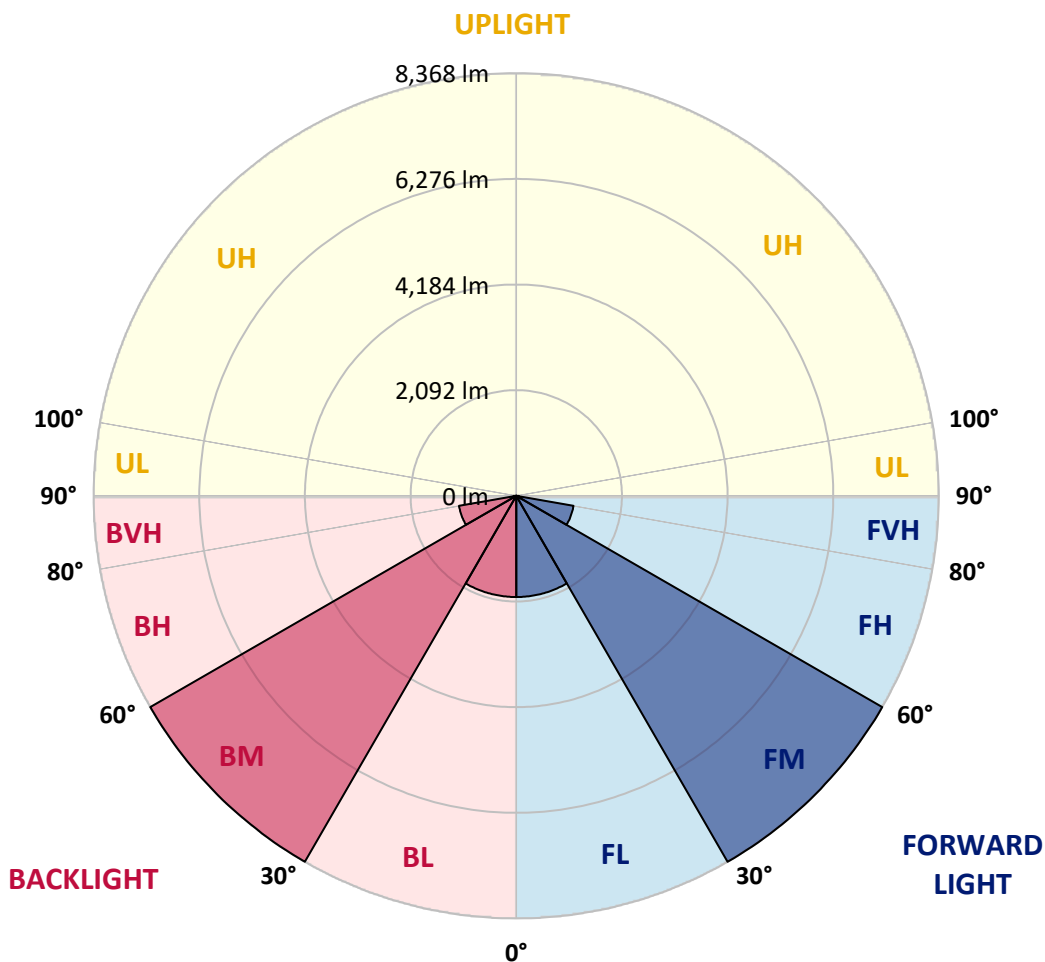
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2004.0	8.7			
FM	(30°-60°)	8368.0	36.1			
FH	(60°-80°)	1150.3	5.0			G1/1800
FVH	(80°-90°)	52.8	0.2			G1/100
BL	(0°-30°)	2004.0	8.7	B3/2500		
BM	(30°-60°)	8368.0	36.1	B4/8500		
BH	(60°-80°)	1150.3	5.0	B3/2500		G1/1800
BVH	(80°-90°)	52.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	3869.8	3869.8	3869.8	3869.8	3869.8	3869.8	3869.8	3869.8	3869.8	3869.8	3869.8
2.5°	3878.5	3838.3	3852.6	3861.2	3898.6	3895.7	3887.1	3898.6	3910.1	3913.0	3907.2
5°	3875.6	3846.9	3858.4	3867.0	3904.4	3924.5	3918.7	3967.5	4002.0	3993.4	4036.5
7.5°	3852.6	3869.8	3855.5	3898.6	3930.2	3979.0	4030.7	4076.7	4119.8	4168.6	4177.2
10°	3904.4	3904.4	3930.2	3964.6	4048.0	4085.3	4160.0	4226.1	4309.4	4366.9	4343.9
12.5°	3958.9	3967.5	3967.5	4056.6	4125.5	4208.9	4277.8	4366.9	4484.6	4553.6	4588.1
15°	4013.5	4019.2	4048.0	4168.6	4272.0	4404.2	4467.4	4547.9	4614.0	4743.3	4746.1
17.5°	4062.4	4093.9	4180.1	4315.2	4444.5	4570.8	4671.4	4754.7	4812.2	4863.9	4852.4
20°	4246.2	4269.2	4358.3	4493.3	4685.8	4809.3	4843.8	4858.1	4895.5	4998.9	4967.4
22.5°	4424.3	4433.0	4516.3	4723.1	4858.1	5021.9	5059.3	5050.7	5065.0	5090.8	5136.8
25°	4608.2	4622.6	4737.5	4912.7	5102.3	5297.7	5329.3	5263.2	5243.1	5271.9	5274.8
27.5°	4843.8	4846.7	4993.2	5145.4	5360.9	5544.8	5593.6	5541.9	5447.1	5470.1	5507.5
30°	5142.6	5122.5	5269.0	5487.3	5714.3	5817.7	5901.0	5875.2	5771.7	5751.6	5720.0
32.5°	5487.3	5493.1	5625.2	5863.7	6013.0	6185.5	6274.5	6231.4	6165.3	6130.9	6151.0
35°	5972.9	5998.7	6087.7	6286.0	6527.3	6613.5	6754.3	6662.4	6490.0	6533.0	6570.4
37.5°	6372.2	6446.9	6613.5	6849.1	6992.7	7150.7	7202.5	7078.9	6952.5	6900.8	7024.4
40°	6984.1	6961.2	7145.0	7380.6	7593.2	7751.2	7685.1	7561.6	7248.5	7251.3	7285.8
42.5°	7509.9	7521.3	7662.1	7943.7	8233.9	8331.5	8121.8	7820.1	7472.6	7435.2	7509.9
45°	7952.3	7998.3	8078.8	8455.1	8739.5	8845.8	8458.0	8101.7	7636.3	7481.2	7604.7
47.5°	8110.3	8185.0	8360.2	8705.0	8986.6	9072.8	8762.5	8251.1	7788.6	7535.7	7601.8
50°	8133.3	8107.4	8394.8	8710.8	8957.8	9144.6	8871.6	8360.2	7751.2	7619.1	7598.9
52.5°	7504.1	7630.6	7938.0	8371.8	8871.6	9170.4	8969.3	8420.6	7802.9	7653.5	7604.7
55°	6073.4	5924.0	6484.3	7213.9	8133.3	8963.6	8934.9	8452.2	7834.5	7711.0	7644.9
57.5°	3390.1	3433.1	3749.2	4542.1	5728.7	7107.7	7943.7	8118.9	7820.1	7748.3	7782.8
60°	1568.7	1583.0	1718.1	2088.7	2824.1	4030.7	5131.1	6248.7	6762.9	6866.4	6866.4
62.5°	1169.3	1163.5	1198.0	1264.1	1419.3	1853.0	2473.6	3361.3	4068.1	4562.2	4691.5
65°	1057.2	1054.4	1071.6	1094.6	1106.1	1166.4	1304.3	1577.3	1807.1	1939.3	1916.2
67.5°	925.1	922.2	927.9	942.3	962.5	994.0	1028.5	1085.9	1166.4	1160.6	1146.3
70°	747.0	747.0	755.6	767.1	790.0	827.4	867.6	907.9	976.8	991.2	988.3
72.5°	551.6	543.0	560.2	583.2	606.2	652.2	695.2	732.6	781.4	795.8	790.0
75°	350.5	356.3	367.8	393.6	433.8	465.4	511.4	543.0	574.6	586.1	589.0
77.5°	195.4	201.1	221.2	252.8	293.1	327.5	367.8	393.6	413.7	416.6	419.5
80°	117.8	120.7	140.8	169.5	204.0	241.3	273.0	298.8	316.0	307.4	304.5
82.5°	71.8	74.7	91.9	117.8	146.5	175.2	209.7	232.7	249.9	238.4	227.0
85°	37.3	40.2	54.6	71.8	94.8	109.2	109.2	97.7	94.8	89.0	86.2
87.5°	11.5	11.5	14.3	17.2	14.3	17.2	20.1	23.0	23.0	25.8	23.0
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)