

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: P646993

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P646993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-835-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33679.2 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

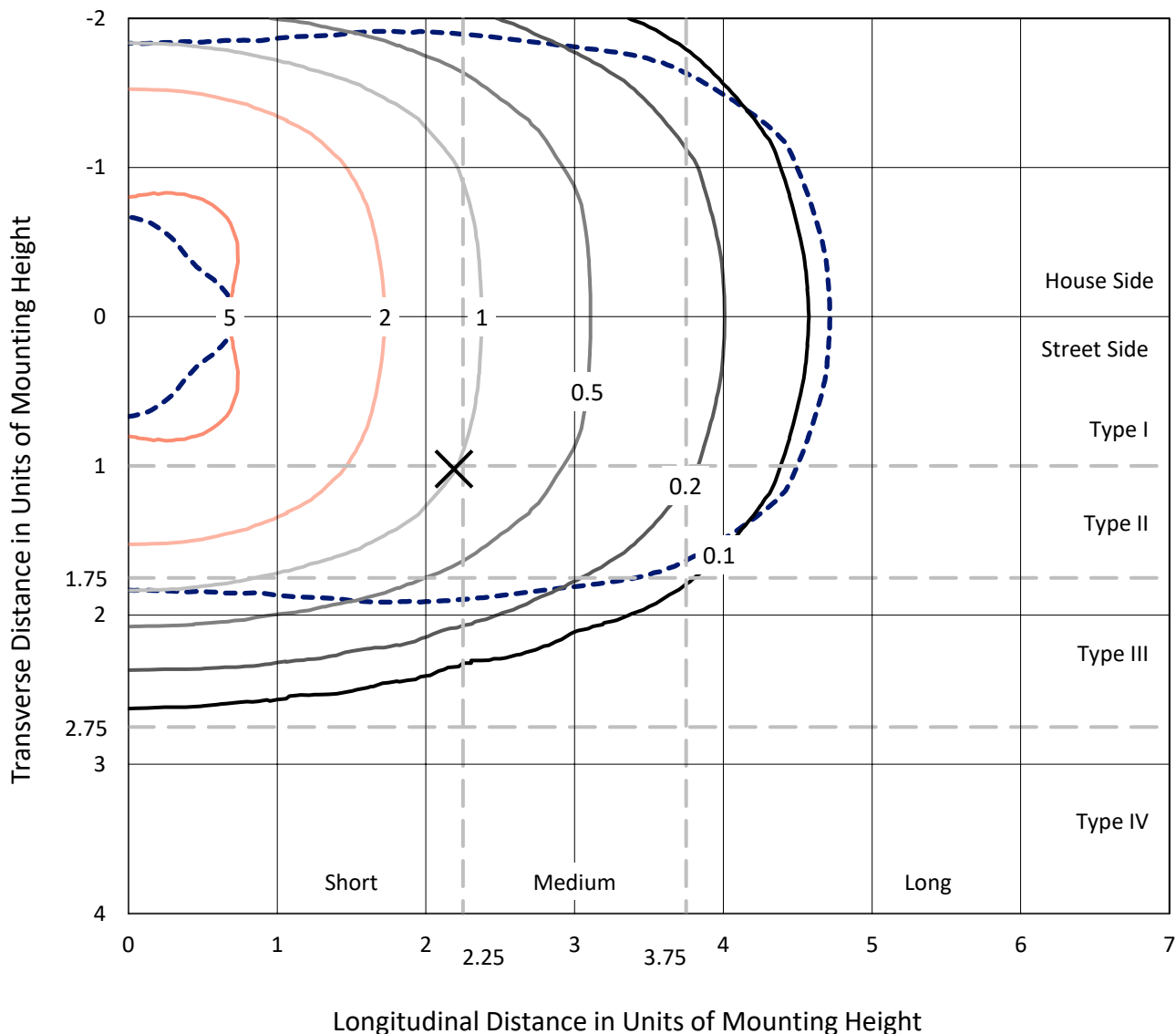
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P646993
 CATALOG NUMBER: GALN-SA6C-835-U-RW

Iso-Footcandle Lines of Horizontal Illumination

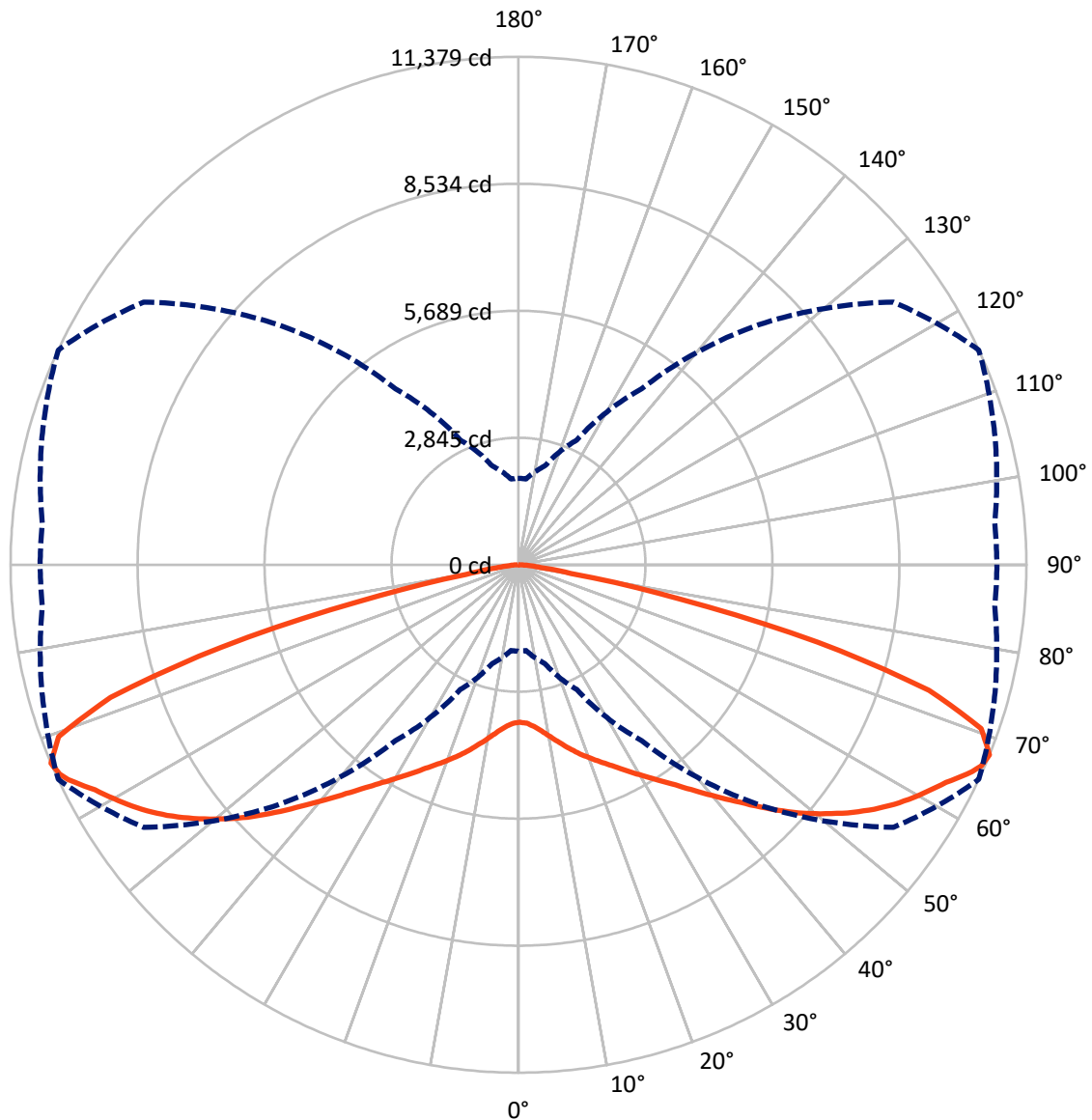
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - N/A

REPORT NUMBER: P646993
CATALOG NUMBER: GALN-SA6C-835-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P646993
 CATALOG NUMBER: GALN-SA6C-835-U-RW

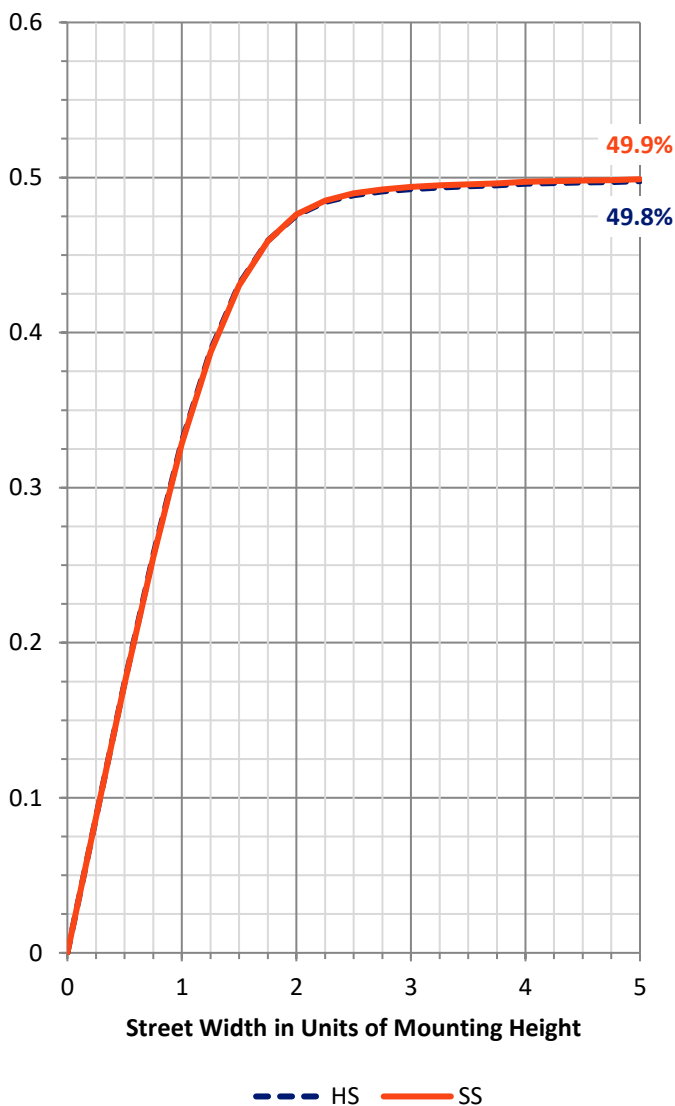
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16839.6	0.0	16839.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16839.6	0.0	16839.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	33679.2	0.0	33679.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.9	1.0
10°-20°	1164.4	3.5
20°-30°	2277.7	6.8
30°-40°	3874.1	11.5
40°-50°	6131.6	18.2
50°-60°	8130.4	24.1
60°-70°	7669.4	22.8
70°-80°	3791.4	11.3
80°-90°	292.2	0.9
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°	33679.2	100.0
0°-180°	33679.2	100.0

Coefficient of Utilization



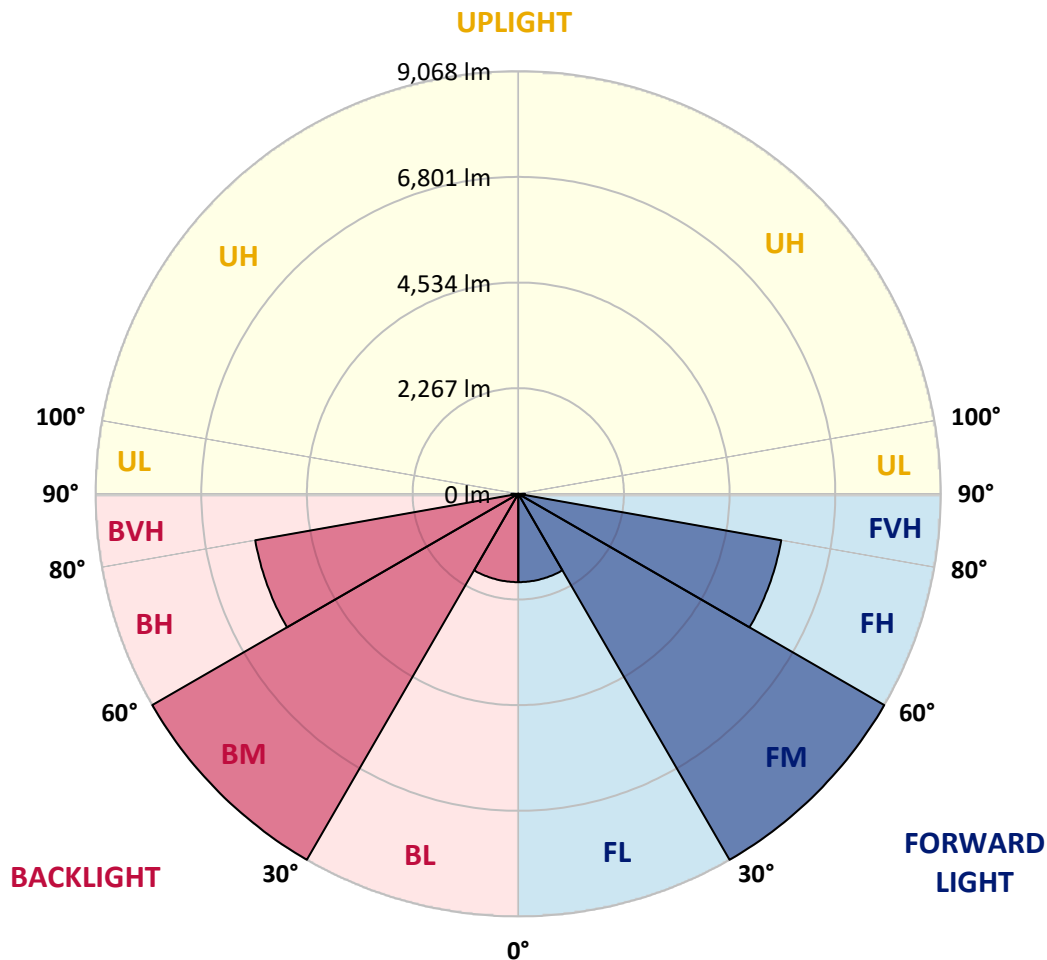
REPORT NUMBER: P646993
 CATALOG NUMBER: GALN-SA6C-835-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1895.0	5.6			
FM (30°-60°)	9068.0	26.9			
FH (60°-80°)	5730.4	17.0			G3/7500
FVH (80°-90°)	146.1	0.4			G2/225
BL (0°-30°)	1895.0	5.6	B3/2500		
BM (30°-60°)	9068.0	26.9	B5		
BH (60°-80°)	5730.4	17.0	B5		G5
BVH (80°-90°)	146.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





REPORT NUMBER: P646993

CATALOG NUMBER: GALN-SA6C-835-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3527.6	3527.6	3527.6	3527.6	3527.6	3527.6	3527.6	3527.6	3527.6	3527.6	3527.6
2.5°	3509.6	3513.2	3516.8	3522.2	3529.4	3540.3	3547.5	3552.9	3567.3	3569.1	3567.3
5°	3497.0	3500.6	3509.6	3525.8	3549.3	3581.8	3607.0	3637.7	3661.2	3677.4	3673.8
7.5°	3495.2	3502.4	3516.8	3551.1	3596.2	3652.1	3709.9	3762.2	3807.3	3843.4	3838.0
10°	3524.0	3533.0	3556.5	3607.0	3677.4	3758.6	3839.8	3917.3	3982.3	4029.2	4045.4
12.5°	3572.7	3580.0	3623.3	3699.0	3800.1	3901.1	3993.1	4088.7	4178.9	4258.3	4258.3
15°	3657.5	3670.2	3724.3	3834.4	3958.8	4076.1	4169.9	4271.0	4368.4	4458.6	4485.7
17.5°	3774.8	3792.9	3874.0	4014.8	4173.5	4281.8	4370.2	4453.2	4538.0	4624.6	4637.3
20°	3935.4	3953.4	4061.7	4231.3	4418.9	4548.9	4608.4	4628.3	4669.8	4752.8	4763.6
22.5°	4153.7	4171.7	4292.6	4483.9	4693.2	4834.0	4859.2	4812.3	4801.5	4866.4	4873.7
25°	4400.9	4417.1	4556.1	4761.8	4978.3	5131.7	5124.5	5009.0	4944.0	4983.7	4994.6
27.5°	4678.8	4702.2	4843.0	5055.9	5290.5	5425.8	5404.2	5236.4	5097.4	5090.2	5093.8
30°	5034.3	5059.5	5193.1	5397.0	5627.9	5752.4	5707.3	5481.8	5267.0	5194.9	5194.9
32.5°	5409.6	5472.7	5608.1	5821.0	6001.5	6091.7	6023.1	5752.4	5467.3	5366.3	5360.9
35°	5898.6	5932.9	6066.4	6273.9	6409.2	6479.6	6347.9	6057.4	5729.0	5609.9	5593.6
37.5°	6376.8	6405.6	6560.8	6759.2	6923.4	6919.8	6741.2	6420.1	6053.8	5920.3	5909.4
40°	6865.7	6896.4	7073.2	7255.5	7419.7	7405.2	7188.7	6829.6	6439.9	6290.2	6319.0
42.5°	7289.7	7324.0	7524.3	7784.2	7932.1	7928.5	7677.7	7273.5	6867.5	6734.0	6759.2
45°	7675.9	7706.6	7939.4	8237.1	8453.6	8480.7	8206.4	7778.8	7361.9	7190.5	7197.7
47.5°	7948.4	8006.1	8249.7	8590.8	8884.9	8980.5	8711.7	8293.0	7813.0	7634.4	7645.2
50°	8155.9	8192.0	8457.2	8845.2	9216.8	9415.3	9198.8	8769.4	8264.2	8074.7	8100.0
52.5°	8181.2	8224.5	8513.2	8960.7	9437.0	9738.3	9631.8	9234.9	8724.3	8529.4	8583.5
55°	7975.4	8000.7	8345.4	8888.5	9523.6	9978.3	10005.4	9667.9	9162.7	9014.8	9050.9
57.5°	7389.0	7454.0	7890.6	8551.1	9404.5	10106.4	10285.1	10061.3	9606.6	9460.4	9518.2
60°	6427.3	6492.2	6930.7	7767.9	8955.2	10046.9	10516.0	10409.6	10009.0	9891.7	9922.4
62.5°	5036.1	5030.7	5573.8	6600.5	8062.1	9754.5	10687.5	10745.2	10406.0	10258.0	10304.9
65°	3264.2	3280.4	3805.5	4911.6	6714.1	9011.2	10725.3	11172.9	10795.7	10572.0	10606.3
66°	2625.4	2674.1	3119.8	4139.3	6026.7	8524.0	10611.7	11299.2	10914.8	10644.1	10660.4
67.5°	1937.9	1928.9	2295.2	3081.9	4812.3	7598.3	10256.2	11378.6	11050.2	10709.1	10716.3
70°	1106.1	1104.3	1234.2	1692.5	2829.3	5350.0	8644.9	10997.8	11324.4	10943.7	10923.8
72.5°	808.4	803.0	821.0	934.7	1380.4	2701.2	5963.6	9612.0	11183.7	10905.8	10849.9
75°	678.5	674.9	671.3	685.7	774.1	1223.4	3164.9	6914.4	9704.0	10236.3	10178.6
77.5°	554.0	554.0	555.8	552.2	555.8	644.2	1311.8	3706.3	5909.4	6596.9	6757.4
80°	433.1	431.3	461.9	449.3	420.4	413.2	581.0	1192.7	1961.4	1950.5	1609.5
82.5°	319.4	297.7	351.9	342.8	310.4	263.5	339.2	508.9	655.0	425.9	315.8
85°	202.1	200.3	249.0	227.4	189.5	124.5	162.4	218.3	270.7	164.2	133.5
87.5°	36.1	34.3	79.4	57.7	57.7	36.1	45.1	59.5	88.4	61.4	45.1
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)