

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: P646983

Luminaire Tested: **GALN-SA6C-835-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P646983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
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-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34066.7 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

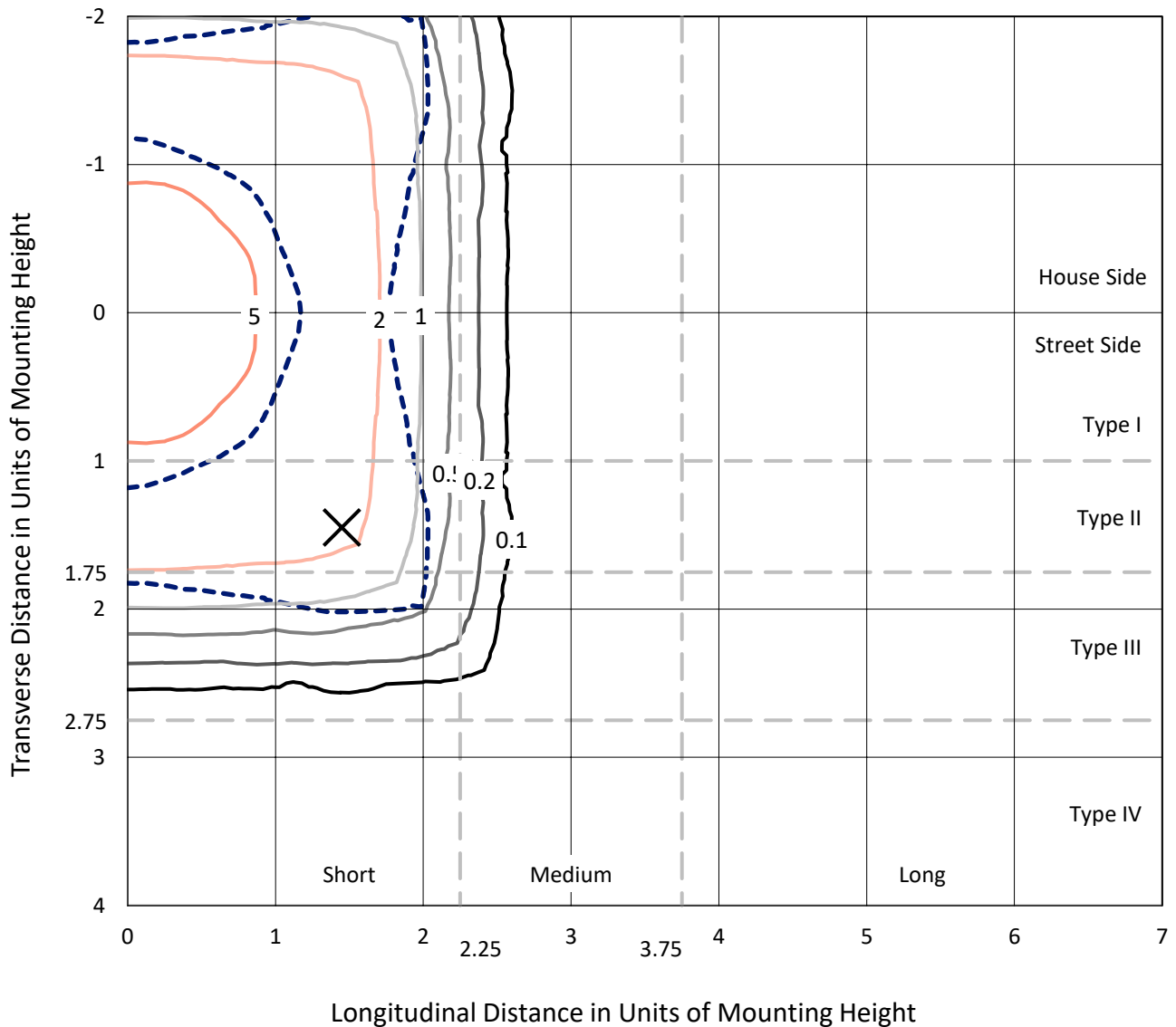
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P646983
 CATALOG NUMBER: GALN-SA6C-835-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

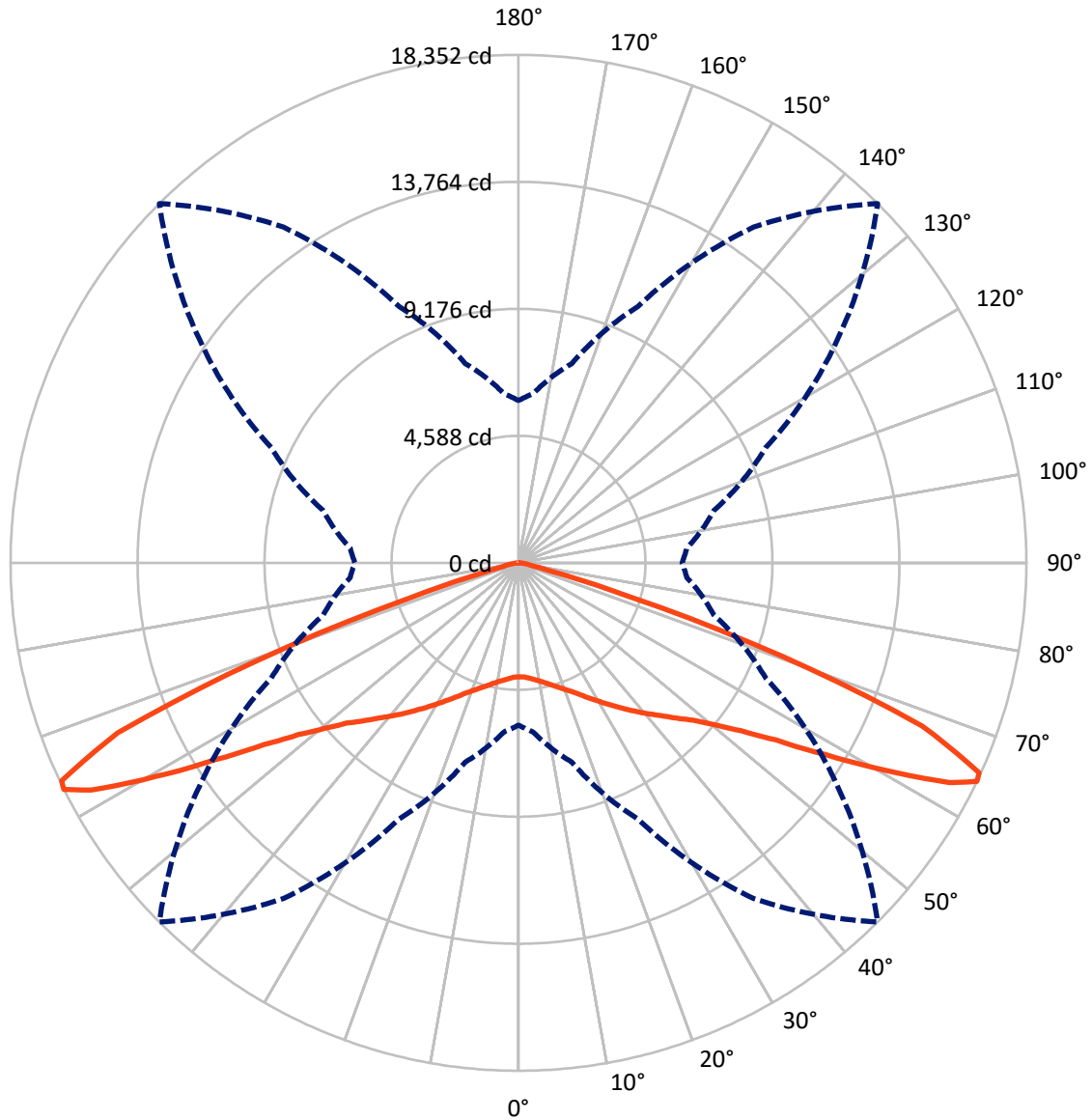
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

REPORT NUMBER: P646983
CATALOG NUMBER: GALN-SA6C-835-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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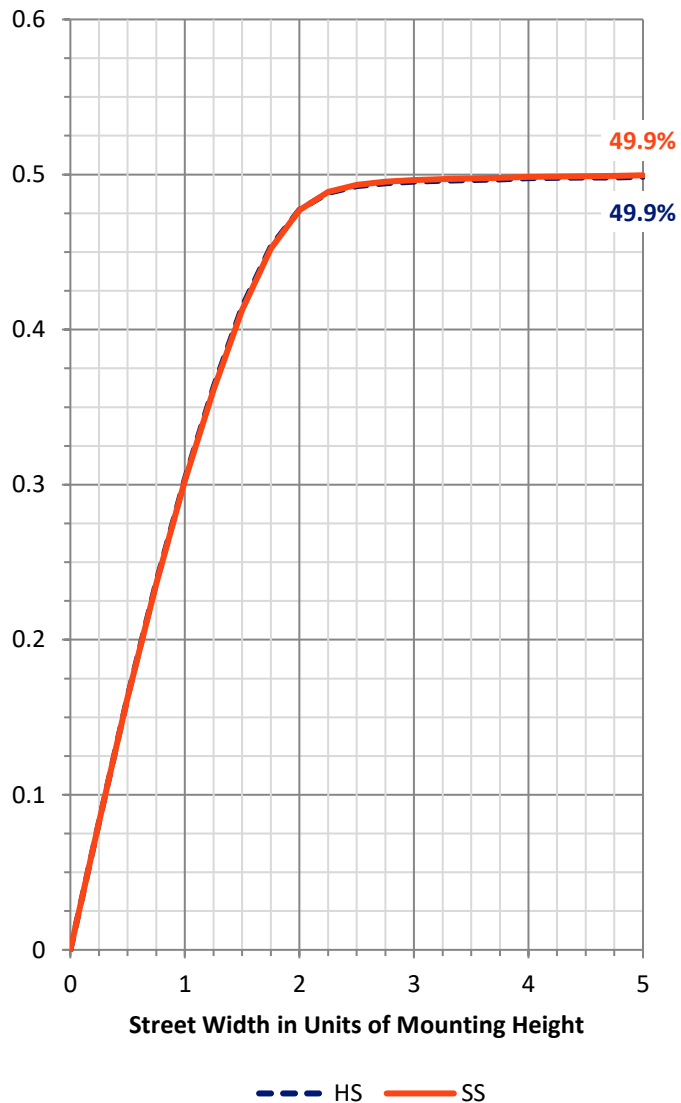
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17033.4	0.0	17033.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17033.4	0.0	17033.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	34066.7	0.0	34066.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.5	1.2
10°-20°	1304.8	3.8
20°-30°	2465.8	7.2
30°-40°	4083.6	12.0
40°-50°	6375.1	18.7
50°-60°	9855.8	28.9
60°-70°	8498.6	24.9
70°-80°	963.1	2.8
80°-90°	115.4	0.3
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°	34066.7	100.0
0°-180°	34066.7	100.0

Coefficient of Utilization



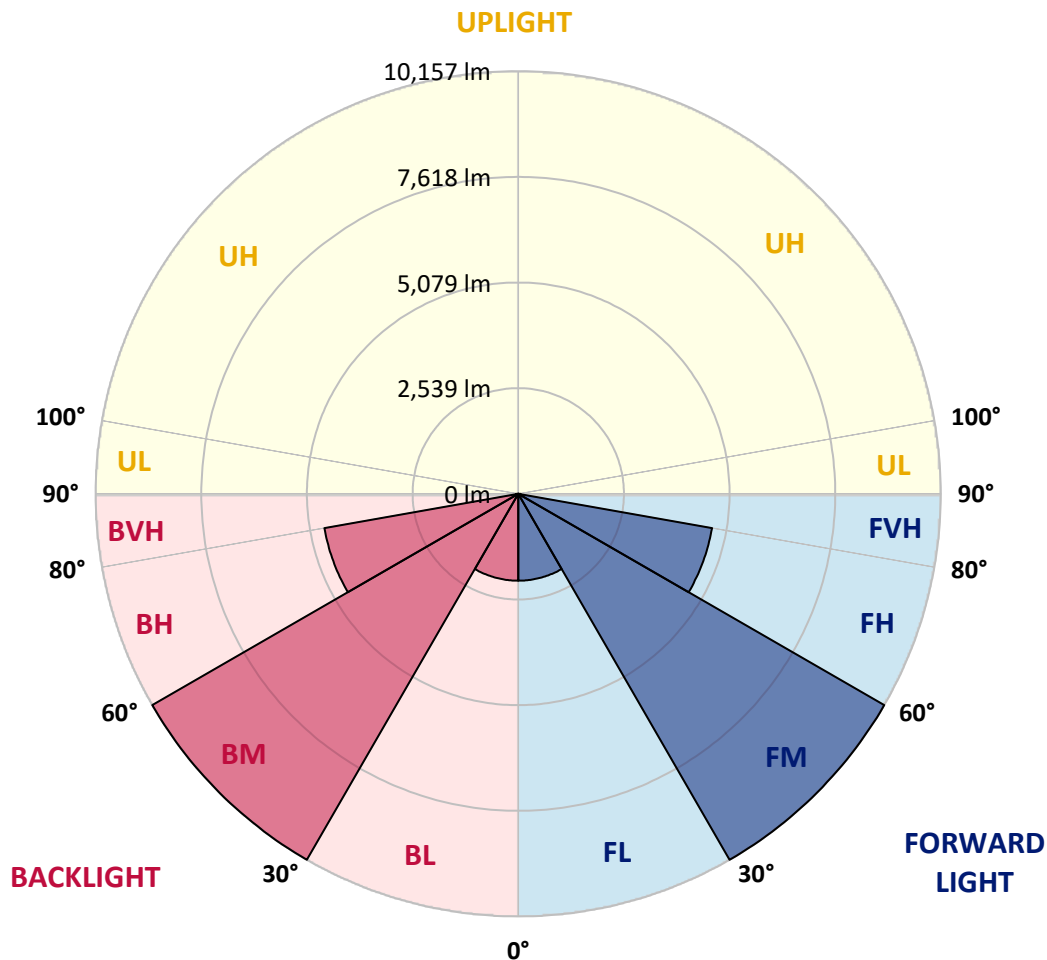
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 CATALOG NUMBER: GALN-SA6C-835-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2087.6	6.1			
FM (30°-60°)	10157.3	29.8			
FH (60°-80°)	4730.8	13.9			G2/5000
FVH (80°-90°)	57.7	0.2			G1/100
BL (0°-30°)	2087.6	6.1	B3/2500		
BM (30°-60°)	10157.3	29.8	B5		
BH (60°-80°)	4730.8	13.9	B4/5000		G2/5000
BVH (80°-90°)	57.7	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°	4117.6	4117.6	4117.6	4117.6	4117.6	4117.6	4117.6	4117.6	4117.6	4117.6	4117.6
2.5°	4133.8	4142.8	4135.6	4133.8	4132.0	4132.0	4132.0	4133.8	4141.0	4146.4	4142.8
5°	4186.1	4193.4	4189.7	4187.9	4186.1	4187.9	4184.3	4182.5	4187.9	4187.9	4186.1
7.5°	4251.1	4260.1	4256.5	4260.1	4261.9	4263.7	4254.7	4247.5	4245.7	4251.1	4247.5
10°	4339.5	4346.7	4348.5	4350.3	4353.9	4352.1	4341.3	4328.7	4326.9	4325.1	4323.3
12.5°	4438.7	4444.2	4446.0	4453.2	4458.6	4460.4	4447.8	4436.9	4418.9	4422.5	4415.3
15°	4550.6	4561.4	4559.6	4570.4	4584.9	4588.5	4575.9	4557.8	4541.6	4532.6	4527.1
17.5°	4687.7	4694.9	4691.3	4702.1	4720.2	4729.2	4718.4	4694.9	4678.7	4658.8	4648.0
20°	4850.1	4862.7	4866.3	4866.3	4882.6	4891.6	4875.3	4868.1	4842.9	4828.4	4819.4
22.5°	5034.1	5039.5	5050.4	5061.2	5077.4	5073.8	5068.4	5057.6	5034.1	5021.5	5007.1
25°	5241.6	5247.0	5274.1	5297.6	5303.0	5299.4	5292.1	5286.7	5265.1	5236.2	5225.4
27.5°	5483.4	5494.2	5530.3	5552.0	5552.0	5553.8	5539.4	5557.4	5510.5	5476.2	5472.6
30°	5786.6	5793.8	5824.4	5846.1	5835.3	5826.3	5822.6	5840.7	5790.2	5728.8	5714.4
32.5°	6086.1	6111.4	6138.4	6185.3	6147.4	6131.2	6127.6	6140.2	6082.5	6013.9	5994.1
35°	6407.3	6425.3	6475.8	6515.5	6481.3	6443.4	6459.6	6499.3	6430.7	6338.7	6335.1
37.5°	6762.7	6779.0	6843.9	6885.4	6860.2	6795.2	6822.3	6869.2	6800.6	6687.0	6663.5
40°	7132.6	7166.9	7248.1	7291.4	7249.9	7163.3	7213.8	7264.4	7203.0	7071.3	7019.0
42.5°	7547.7	7601.8	7719.0	7740.7	7661.3	7544.0	7632.4	7713.6	7670.3	7518.8	7498.9
45°	8033.0	8065.4	8209.8	8256.7	8146.6	8000.5	8110.5	8258.5	8226.0	8051.0	8013.1
47.5°	8576.1	8606.8	8756.5	8826.9	8688.0	8491.3	8689.8	8882.8	8863.0	8675.3	8657.3
50°	9218.5	9225.7	9433.2	9512.6	9373.6	9204.0	9380.8	9620.8	9541.4	9301.5	9297.8
52.5°	9922.2	9931.2	10192.8	10346.2	10268.6	10077.4	10286.7	10432.8	10230.7	9916.8	9893.3
55°	10532.1	10577.2	10934.4	11342.1	11448.6	11309.7	11372.8	11304.3	10806.3	10366.1	10297.5
57.5°	10781.0	10869.4	11412.5	12174.0	12866.9	13072.6	12585.4	11932.2	11035.4	10413.0	10346.2
60°	10173.0	10268.6	11111.2	12556.5	14324.8	15217.9	13848.5	12038.7	10514.0	9638.9	9534.2
62.5°	8146.6	8173.7	9413.3	11656.1	15174.6	17487.8	14380.7	11131.0	8996.5	7807.4	7766.0
64°	5862.3	6140.2	7453.8	10219.9	14802.9	18352.1	14074.0	9859.0	7307.7	6104.1	5909.3
65°	4384.6	4460.4	6008.5	8727.7	14147.9	18287.1	13478.6	8642.8	6051.8	4671.5	4455.0
67.5°	1656.4	1665.4	2217.5	4350.3	10071.9	15734.0	10286.7	4702.1	2549.5	1844.0	1777.3
70°	687.5	700.1	813.8	1463.3	4328.7	10102.6	4960.1	1696.1	932.9	756.0	745.2
72.5°	503.4	510.6	544.9	649.6	1331.6	4148.2	1631.1	720.0	546.7	489.0	483.6
75°	395.2	398.8	424.0	478.2	620.7	1149.4	678.5	494.4	416.8	375.3	371.7
77.5°	301.3	310.4	328.4	364.5	416.8	544.9	449.3	369.9	321.2	286.9	281.5
80°	207.5	218.3	252.6	267.1	279.7	353.7	306.8	279.7	250.8	209.3	196.7
82.5°	128.1	135.3	169.6	182.2	176.8	198.5	196.7	200.3	178.6	129.9	120.9
85°	66.8	70.4	92.0	95.6	88.4	81.2	101.0	117.3	110.1	74.0	72.2
87.5°	14.4	16.2	19.8	18.0	19.8	19.8	25.3	37.9	39.7	25.3	23.5
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)