

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: P647038

Luminaire Tested: **GALN-SA7C-835-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647038
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-SA7C-835-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 40014.4 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

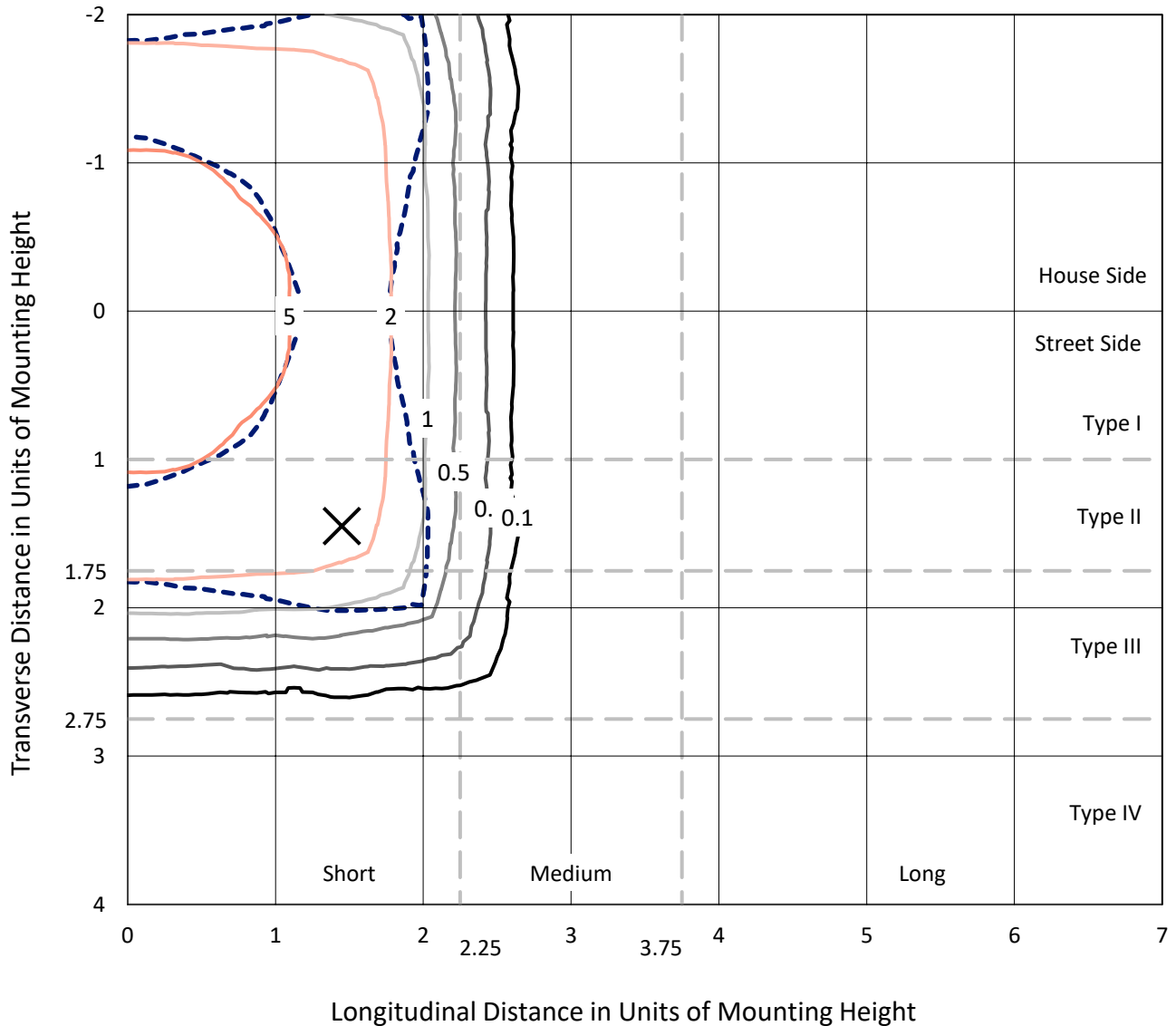
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P647038
 CATALOG NUMBER: GALN-SA7C-835-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

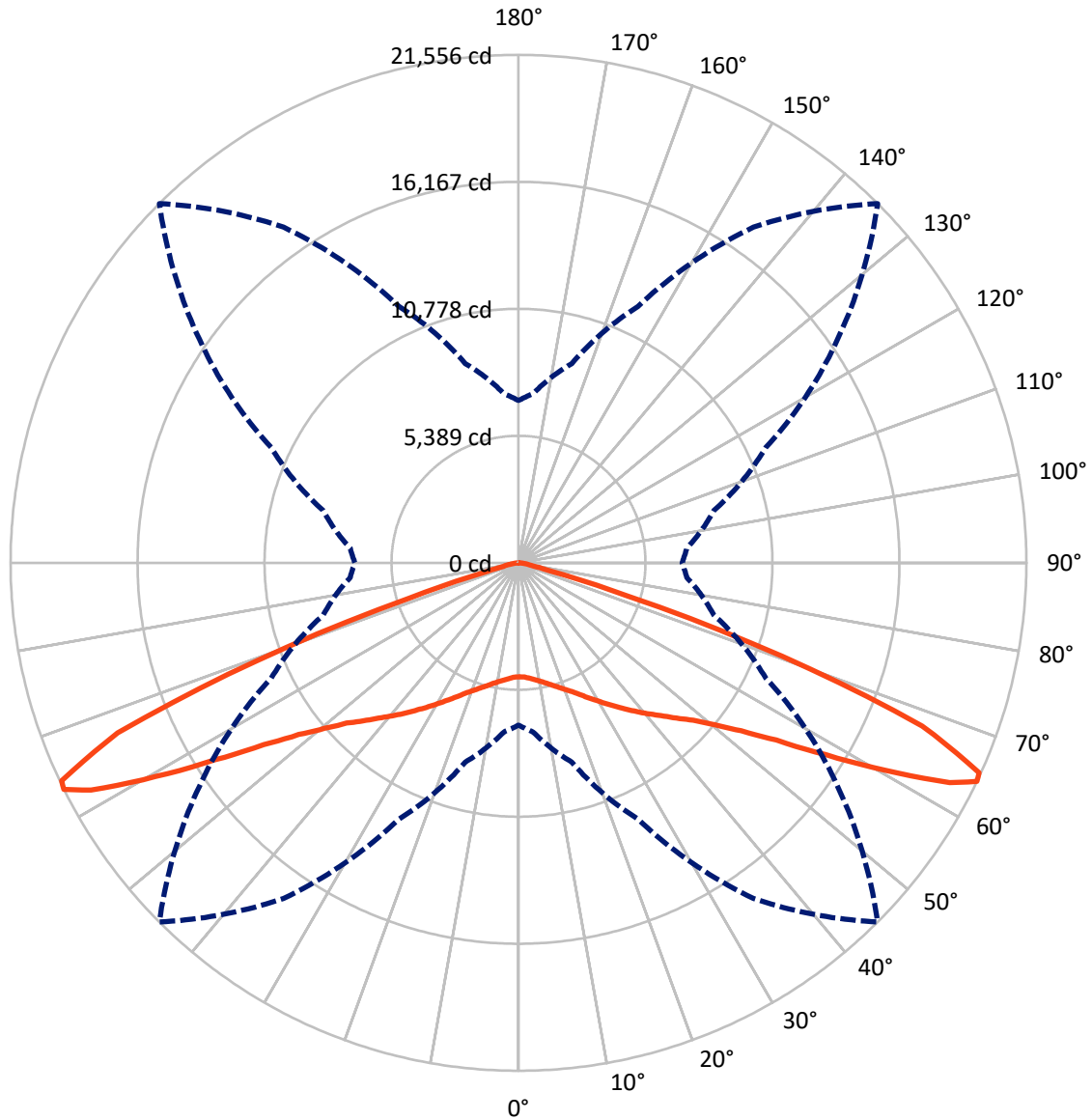
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

REPORT NUMBER: P647038
CATALOG NUMBER: GALN-SA7C-835-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P647038
 CATALOG NUMBER: GALN-SA7C-835-U-5NQ

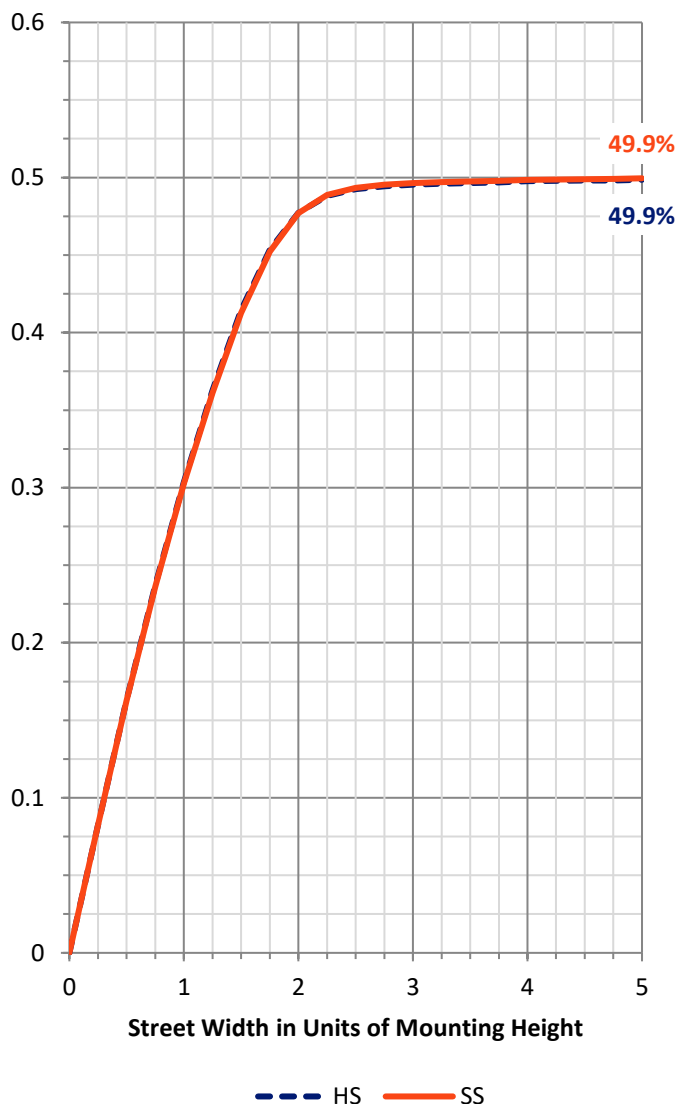
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20007.2	0.0	20007.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20007.2	0.0	20007.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	40014.4	0.0	40014.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.1	1.2
10°-20°	1532.6	3.8
20°-30°	2896.3	7.2
30°-40°	4796.5	12.0
40°-50°	7488.2	18.7
50°-60°	11576.6	28.9
60°-70°	9982.3	24.9
70°-80°	1131.2	2.8
80°-90°	135.5	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°	40014.4	100.0
0°-180°	40014.4	100.0

Coefficient of Utilization

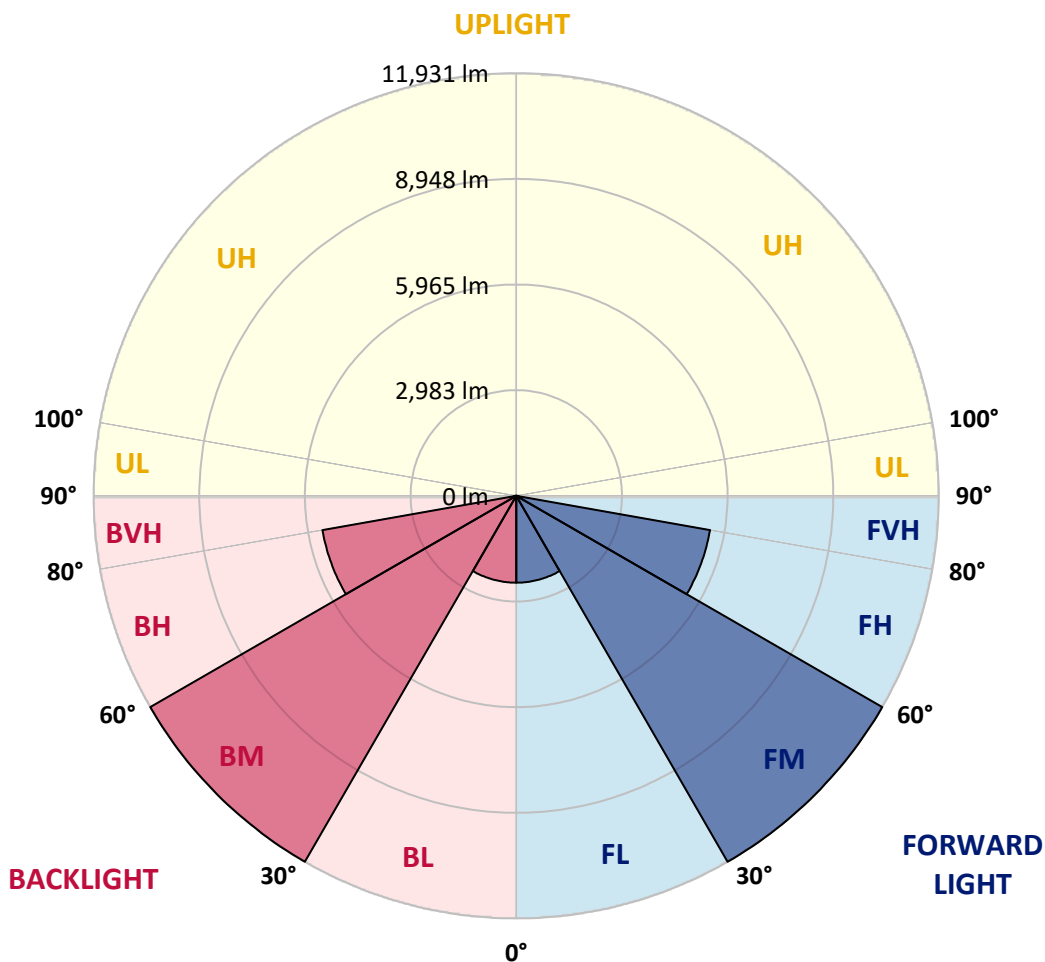


REPORT NUMBER: P647038
 CATALOG NUMBER: GALN-SA7C-835-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2452.0	6.1			
FM (30°-60°)	11930.6	29.8			
FH (60°-80°)	5556.8	13.9			G3/7500
FVH (80°-90°)	67.8	0.2			G1/100
BL (0°-30°)	2452.0	6.1	B3/2500		
BM (30°-60°)	11930.6	29.8	B5		
BH (60°-80°)	5556.8	13.9	B5		G3/7500
BVH (80°-90°)	67.8	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-G3
 Type V Short





REPORT NUMBER: P647038
 CATALOG NUMBER: GALN-SA7C-835-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4836.4	4836.4	4836.4	4836.4	4836.4	4836.4	4836.4	4836.4	4836.4	4836.4	4836.4
2.5°	4855.5	4866.1	4857.6	4855.5	4853.3	4853.3	4853.3	4855.5	4864.0	4870.3	4866.1
5°	4916.9	4925.5	4921.2	4919.0	4916.9	4919.0	4914.8	4912.7	4919.0	4919.0	4916.9
7.5°	4993.3	5003.8	4999.6	5003.8	5006.0	5008.1	4997.5	4989.0	4986.9	4993.3	4989.0
10°	5097.1	5105.6	5107.7	5109.8	5114.1	5112.0	5099.2	5084.4	5082.3	5080.2	5078.0
12.5°	5213.7	5220.0	5222.1	5230.6	5237.0	5239.1	5224.3	5211.6	5190.4	5194.6	5186.1
15°	5345.1	5357.8	5355.6	5368.4	5385.3	5389.5	5374.7	5353.5	5334.5	5323.9	5317.5
17.5°	5506.1	5514.6	5510.4	5523.1	5544.3	5554.9	5542.2	5514.6	5495.6	5472.2	5459.5
20°	5696.9	5711.8	5716.0	5716.0	5735.0	5745.7	5726.5	5718.1	5688.4	5671.4	5660.9
22.5°	5913.1	5919.4	5932.2	5944.8	5964.0	5959.6	5953.3	5940.6	5913.1	5898.3	5881.3
25°	6156.8	6163.1	6194.9	6222.5	6228.8	6224.6	6216.2	6209.7	6184.4	6150.5	6137.7
27.5°	6440.8	6453.5	6495.9	6521.3	6521.3	6523.4	6506.5	6527.7	6472.6	6432.3	6428.0
30°	6796.8	6805.3	6841.4	6866.8	6854.1	6843.5	6839.2	6860.4	6801.1	6729.0	6712.0
32.5°	7148.6	7178.3	7210.1	7265.2	7220.7	7201.6	7197.4	7212.2	7144.4	7063.9	7040.6
35°	7525.9	7547.1	7606.5	7653.0	7612.8	7568.3	7587.3	7634.0	7553.4	7445.4	7441.2
37.5°	7943.5	7962.5	8038.8	8087.5	8057.9	7981.6	8013.4	8068.5	7987.9	7854.4	7826.9
40°	8377.9	8418.2	8513.6	8564.4	8515.7	8414.0	8473.2	8532.6	8460.5	8305.8	8244.4
42.5°	8865.4	8928.9	9066.7	9092.1	8998.9	8861.1	8965.0	9060.3	9009.4	8831.5	8808.1
45°	9435.5	9473.6	9643.2	9698.2	9569.0	9397.3	9526.6	9700.4	9662.2	9456.7	9412.1
47.5°	10073.4	10109.4	10285.3	10368.0	10204.8	9973.8	10207.0	10433.7	10410.4	10190.0	10168.7
50°	10827.9	10836.4	11080.1	11173.3	11010.2	10811.0	11018.6	11300.5	11207.2	10925.4	10921.1
52.5°	11654.5	11665.1	11972.4	12152.5	12061.3	11836.7	12082.6	12254.3	12016.9	11648.1	11620.5
55°	12370.8	12423.8	12843.4	13322.4	13447.5	13284.2	13358.4	13277.9	12693.0	12175.8	12095.3
57.5°	12663.3	12767.1	13405.0	14299.5	15113.3	15354.9	14782.6	14015.5	12962.1	12230.9	12152.5
60°	11949.0	12061.3	13051.1	14748.7	16825.7	17874.8	16266.2	14140.5	12349.6	11321.7	11198.8
62.5°	9569.0	9600.8	11056.8	13691.1	17824.0	20541.0	16891.4	13074.5	10567.2	9170.6	9121.8
64°	6885.9	7212.2	8755.1	12004.2	17387.4	21556.1	16531.2	11580.3	8583.5	7169.9	6941.0
65°	5150.1	5239.1	7057.5	10251.4	16618.0	21479.9	15831.7	10151.8	7108.4	5487.0	5232.7
67.5°	1945.6	1956.2	2604.7	5109.8	11830.3	18481.0	12082.6	5523.1	2994.7	2166.0	2087.6
70°	807.5	822.3	955.8	1718.8	5084.4	11866.4	5826.1	1992.2	1095.7	888.0	875.3
72.5°	591.3	599.8	640.0	763.0	1564.1	4872.5	1915.9	845.6	642.1	574.3	568.0
75°	464.2	468.4	498.1	561.6	729.1	1350.0	796.9	580.7	489.6	440.8	436.6
77.5°	353.9	364.6	385.7	428.1	489.6	640.0	527.7	434.5	377.2	337.0	330.7
80°	243.7	256.4	296.7	313.7	328.5	415.4	360.3	328.5	294.6	245.9	231.0
82.5°	150.5	158.9	199.2	214.1	207.7	233.1	231.0	235.2	209.8	152.6	142.0
85°	78.4	82.7	108.1	112.4	103.8	95.4	118.7	137.7	129.3	86.9	84.8
87.5°	17.0	19.1	23.3	21.2	23.3	23.3	29.7	44.5	46.6	29.7	27.6
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)