

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: P646981

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-835-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22424.3 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

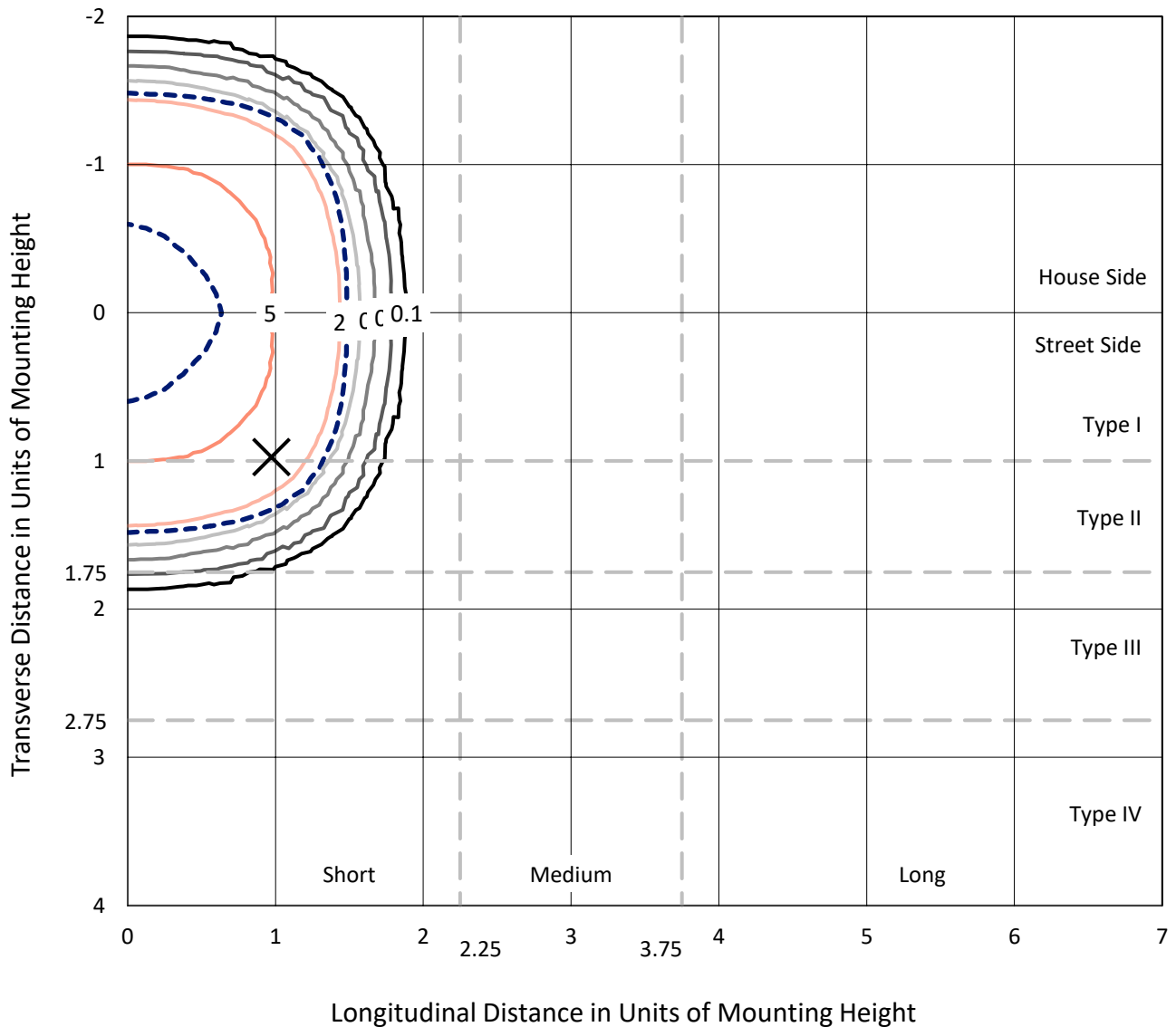
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

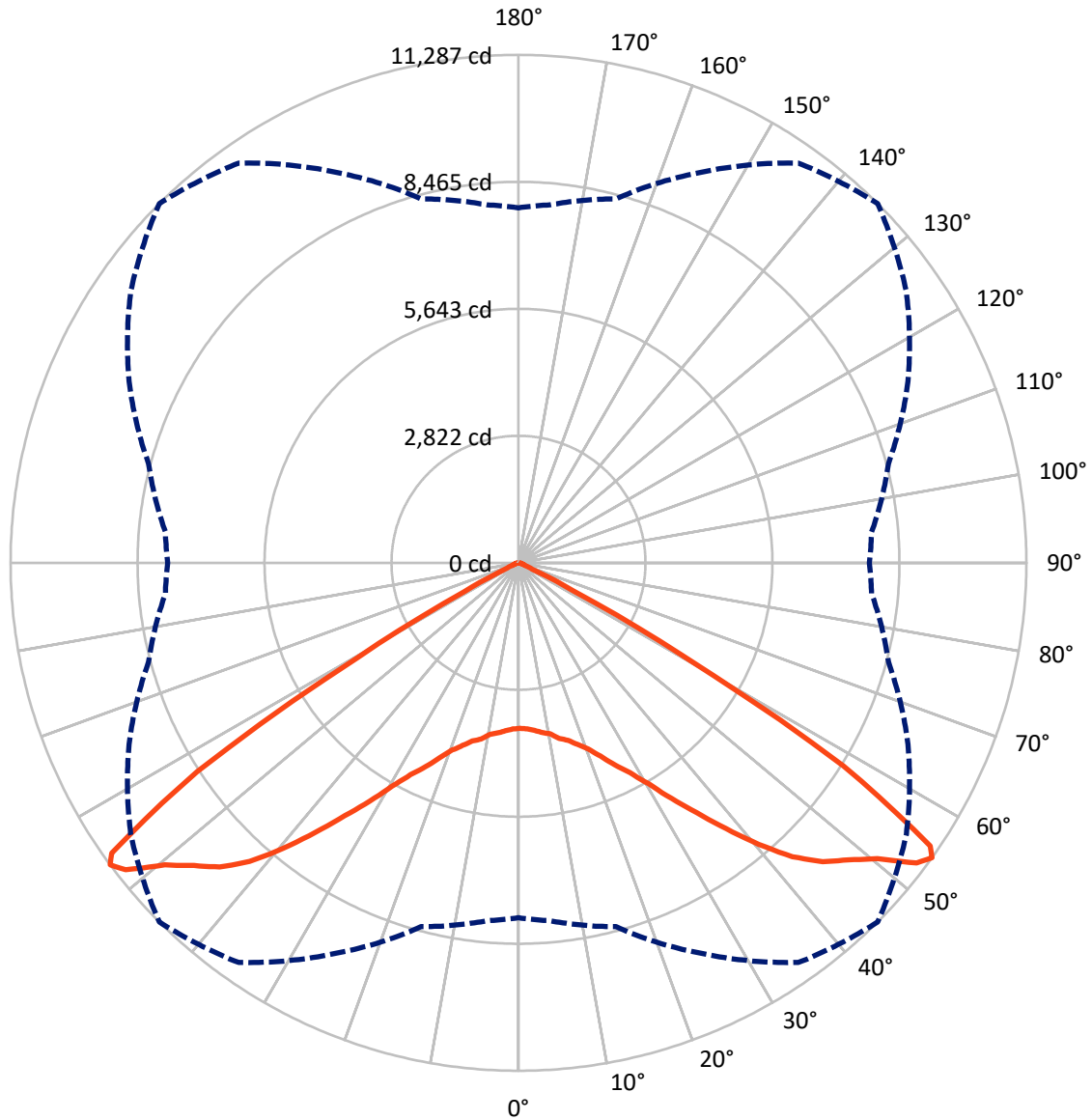
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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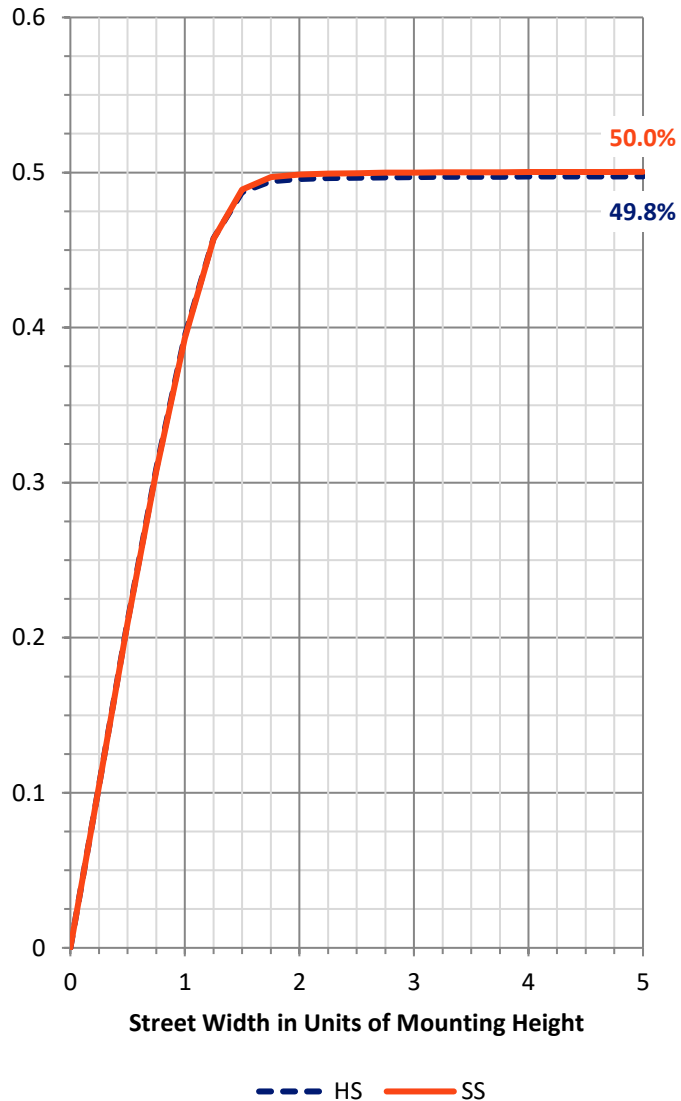
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11212.2	0.0	11212.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11212.2	0.0	11212.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	22424.3	0.0	22424.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.9	1.6
10°-20°	1165.4	5.2
20°-30°	2284.2	10.2
30°-40°	4107.4	18.3
40°-50°	7031.1	31.4
50°-60°	6803.3	30.3
60°-70°	582.4	2.6
70°-80°	69.0	0.3
80°-90°	21.6	0.1
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°	22424.3	100.0
0°-180°	22424.3	100.0

Coefficient of Utilization

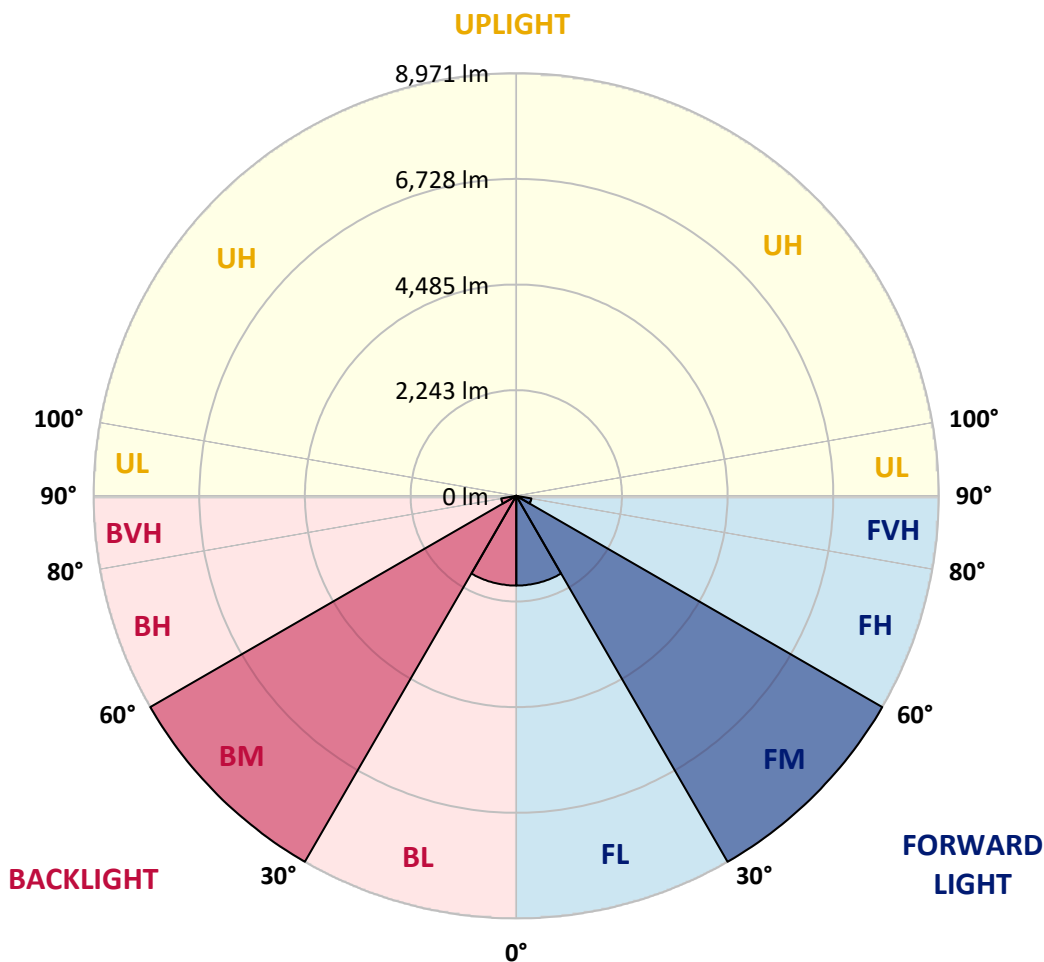


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1904.7	8.5			
FM (30°-60°)	8970.9	40.0			
FH (60°-80°)	325.7	1.5			G0/660
FVH (80°-90°)	10.8	0.0			G1/100
BL (0°-30°)	1904.7	8.5	B3/2500		
BM (30°-60°)	8970.9	40.0	B5		
BH (60°-80°)	325.7	1.5	B1/500		G0/660
BVH (80°-90°)	10.8	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9
2.5°	3694.7	3716.0	3701.8	3712.4	3712.4	3694.7	3705.3	3662.7	3691.1	3669.8	3673.4
5°	3751.5	3747.9	3747.9	3751.5	3737.3	3744.4	3730.2	3716.0	3705.3	3691.1	3733.7
7.5°	3822.5	3822.5	3797.7	3804.8	3797.7	3808.4	3779.9	3751.5	3740.9	3730.2	3723.1
10°	3890.0	3883.0	3872.2	3904.3	3879.4	3865.2	3851.0	3833.2	3794.1	3779.9	3765.7
12.5°	3989.5	3985.9	3971.8	4003.7	3989.5	4003.7	3950.5	3904.3	3897.1	3851.0	3875.8
15°	4106.8	4138.7	4113.9	4113.9	4106.8	4089.0	4067.7	4046.4	3982.4	3964.6	3968.2
17.5°	4259.5	4248.9	4252.4	4252.4	4287.9	4241.7	4199.2	4145.8	4113.9	4103.2	4067.7
20°	4405.2	4419.4	4415.8	4440.7	4462.0	4412.3	4366.1	4359.0	4270.2	4284.3	4234.6
22.5°	4661.0	4650.3	4668.1	4685.8	4671.6	4664.5	4621.9	4568.6	4490.4	4454.9	4447.8
25°	4930.9	4913.2	4881.2	4923.8	4945.2	4977.1	4895.4	4867.0	4746.2	4692.9	4696.5
27.5°	5161.8	5186.7	5222.2	5240.0	5293.3	5282.7	5225.8	5133.4	5041.1	4980.7	4941.6
30°	5478.0	5492.3	5552.6	5577.5	5669.9	5694.8	5606.0	5499.3	5335.9	5257.8	5211.6
32.5°	5769.4	5868.8	5865.3	5989.6	6138.8	6241.8	6082.0	5918.5	5755.1	5662.7	5581.1
35°	6241.8	6224.1	6327.1	6458.6	6700.1	6817.3	6643.3	6455.0	6206.3	6057.1	5993.2
37.5°	6682.4	6689.5	6828.0	7037.6	7314.7	7495.9	7343.1	7034.1	6778.3	6586.4	6497.6
40°	7321.8	7336.0	7478.1	7716.2	8028.8	8224.2	8046.5	7733.9	7392.9	7243.7	7243.7
42.5°	8071.4	8131.8	8224.2	8430.2	8710.9	8927.5	8767.7	8522.6	8178.0	7986.1	8014.6
45°	8842.3	8870.8	8931.1	9236.7	9368.0	9474.7	9325.5	9211.8	8980.9	8746.4	8707.3
47.5°	9563.5	9574.1	9751.8	9847.7	9950.7	9861.9	9957.8	9808.6	9549.2	9321.9	9275.7
50°	9883.2	9865.4	10117.7	10409.0	10487.1	10330.8	10249.1	10149.6	9755.3	9481.7	9361.0
52.5°	8952.4	9055.5	9524.4	10334.3	10945.4	11076.9	10600.8	10142.5	9407.2	8874.3	8792.5
54°	7886.7	7982.6	8369.8	9570.6	10842.4	11286.5	10519.1	9545.7	8508.4	7876.0	7794.3
55°	6831.6	6725.0	7428.4	8654.0	10359.2	11101.8	10195.8	8774.8	7588.3	7009.2	6895.5
57.5°	3698.2	3716.0	4309.2	5467.4	7279.2	8511.9	7517.2	5936.3	4483.3	3833.2	3776.3
60°	1172.3	1200.7	1460.1	2209.7	3477.9	4153.0	3559.7	2383.8	1648.4	1321.5	1268.2
62.5°	365.9	380.1	415.6	618.2	952.0	1360.6	1065.7	639.5	476.1	437.0	444.0
65°	223.8	223.8	227.4	241.6	284.2	330.4	319.7	280.6	270.0	262.9	259.3
67.5°	145.6	142.1	149.2	159.9	166.9	170.5	181.2	191.8	188.3	181.2	181.2
70°	88.8	85.3	92.4	106.6	110.2	117.2	127.9	142.1	138.5	131.5	135.0
72.5°	49.7	49.7	53.3	64.0	74.6	81.7	92.4	103.0	106.6	103.0	103.0
75°	17.8	21.3	28.4	39.1	46.2	56.8	67.5	78.1	88.8	81.7	78.1
77.5°	7.1	7.1	14.2	24.9	35.5	46.2	64.0	74.6	81.7	74.6	67.5
80°	3.5	3.5	10.6	21.3	31.9	42.6	53.3	64.0	67.5	60.4	53.3
82.5°	3.5	3.5	10.6	21.3	31.9	39.1	56.8	64.0	71.0	64.0	53.3
85°	0.0	3.5	10.6	21.3	28.4	31.9	31.9	21.3	17.8	10.6	10.6
87.5°	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)