

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: P652537

Luminaire Tested: **GALN-SA8B-840-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652537  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8B-840-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34806.5 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

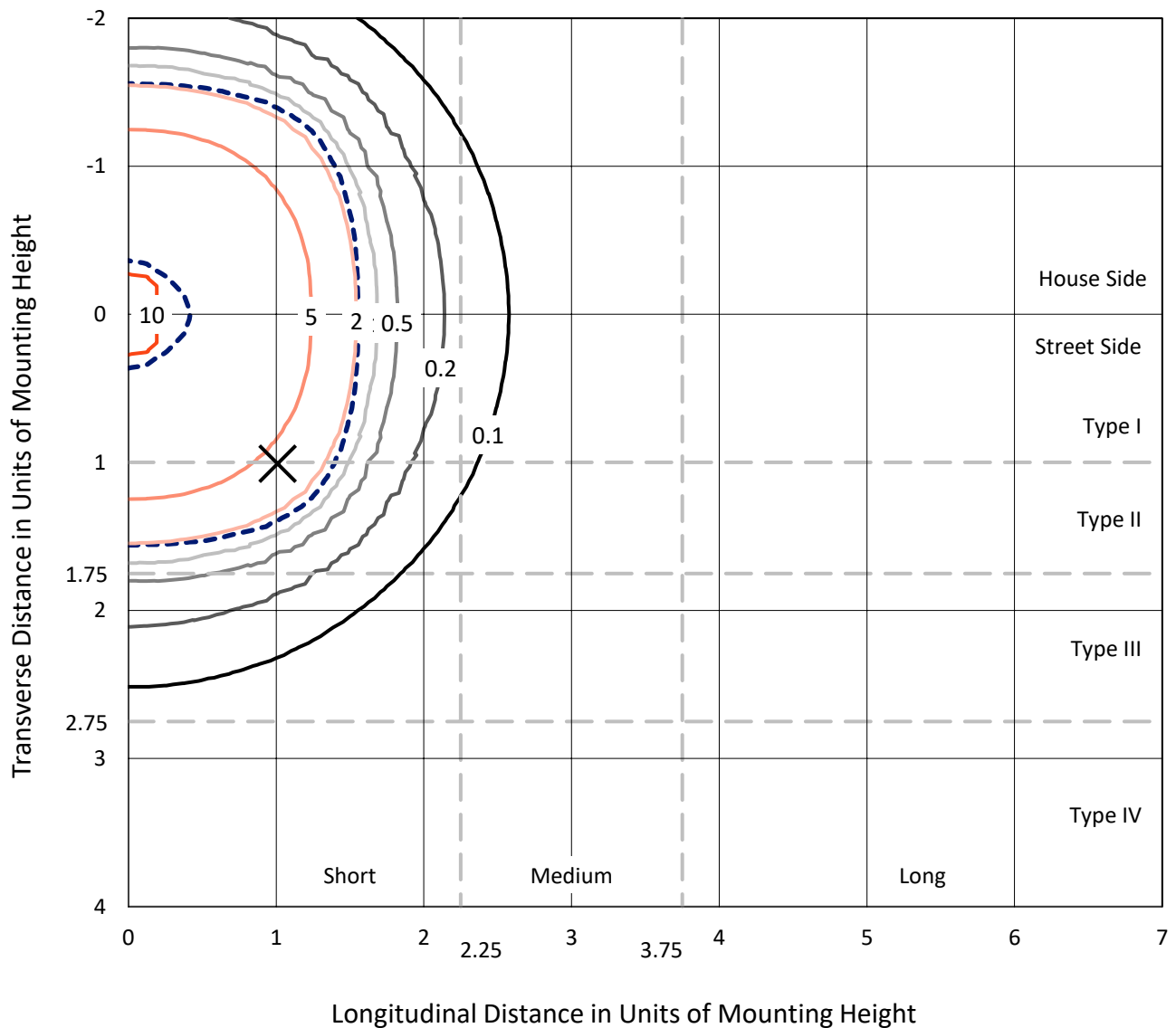
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

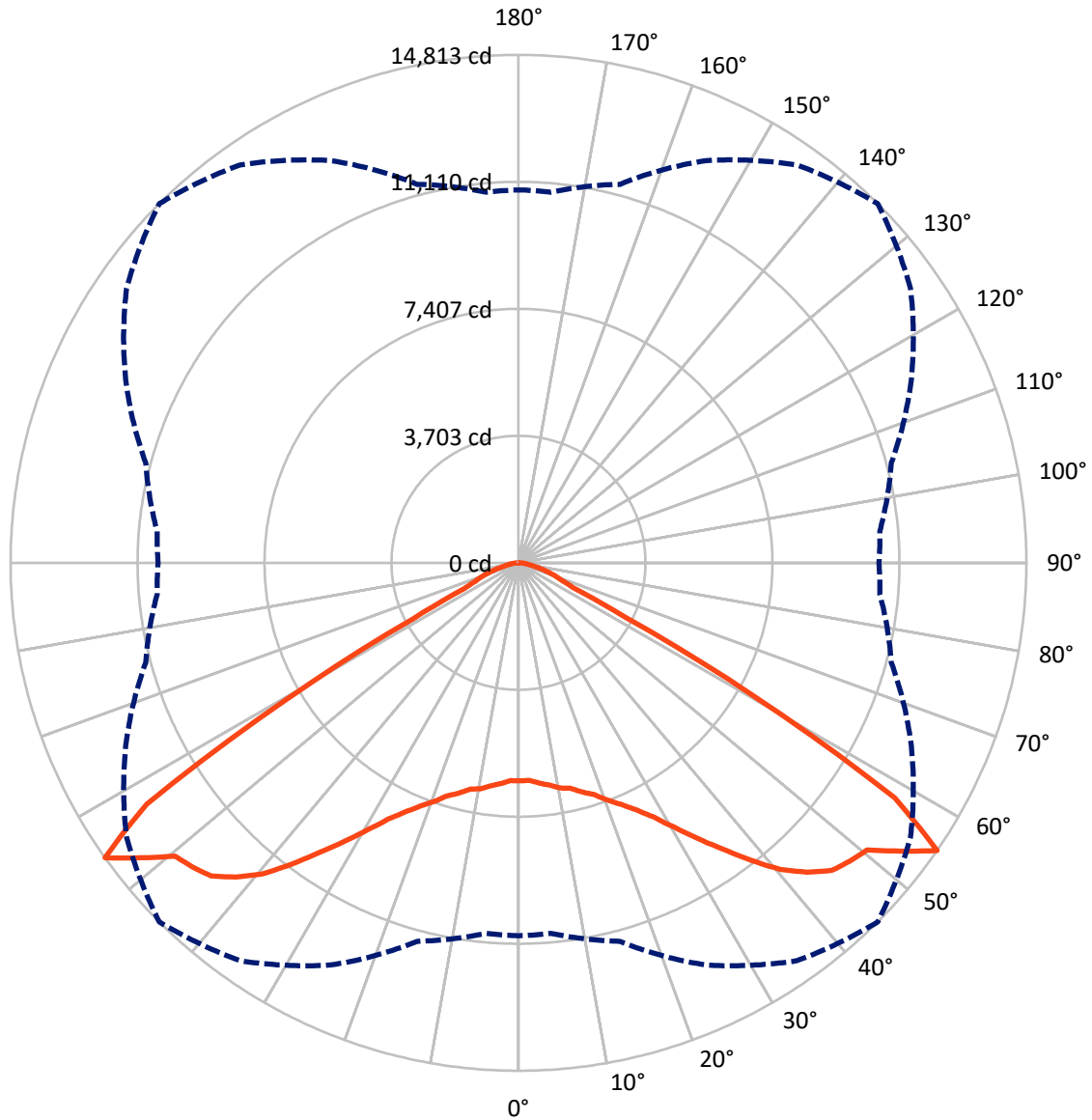
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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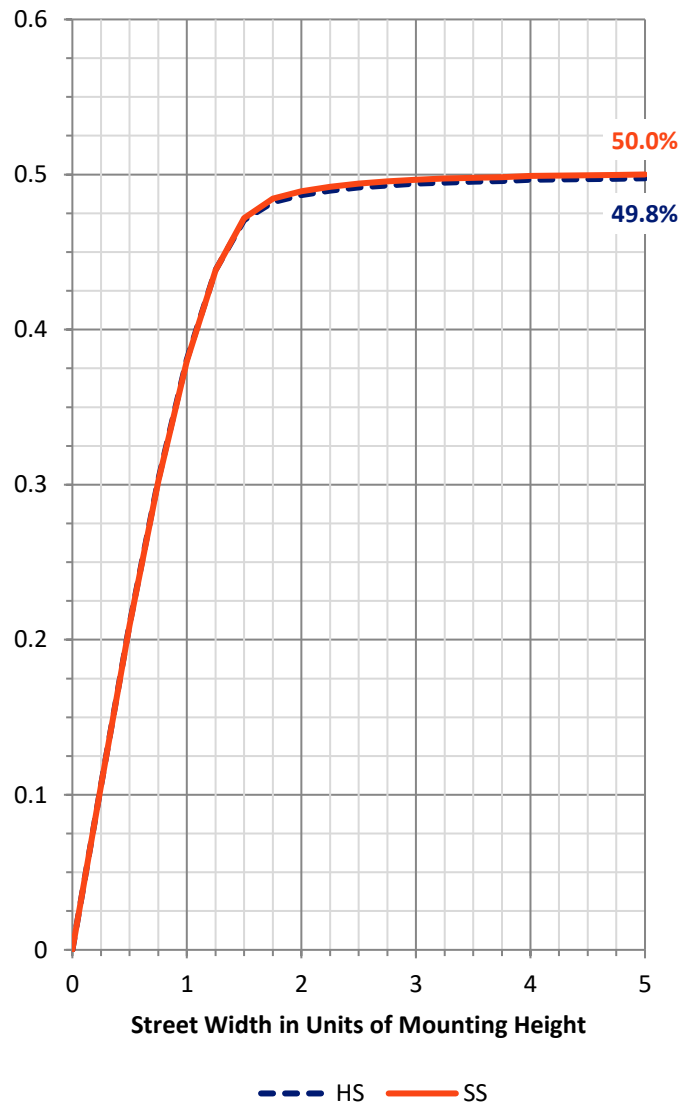
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17403.2	0.0	17403.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17403.2	0.0	17403.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34806.5	0.0	34806.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	620.8	1.8
10°-20°	1967.1	5.7
20°-30°	3668.1	10.5
30°-40°	6141.5	17.6
40°-50°	9556.7	27.5
50°-60°	9922.9	28.5
60°-70°	2104.3	6.0
70°-80°	693.0	2.0
80°-90°	132.0	0.4
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°	34806.5	100.0
0°-180°	34806.5	100.0

**Coefficient of Utilization**

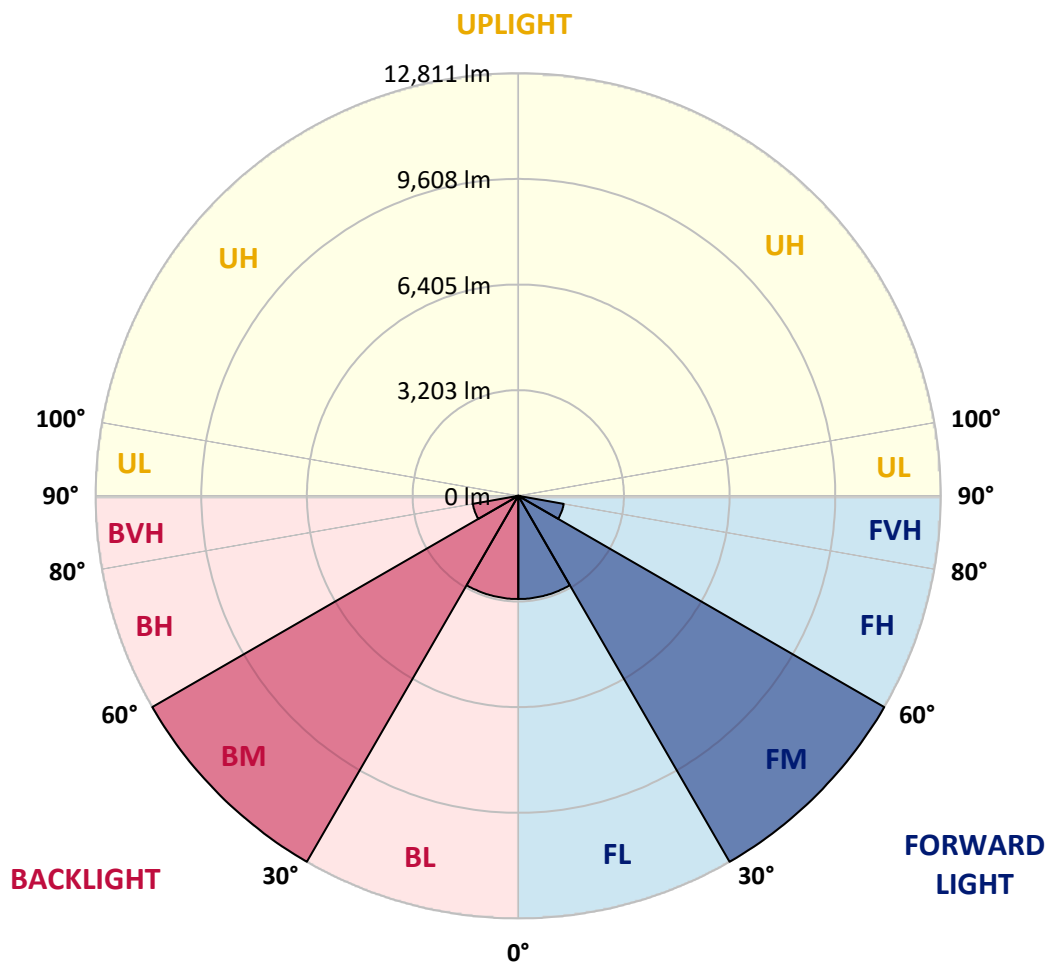


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3128.0	9.0			
FM (30°-60°)	12810.6	36.8			
FH (60°-80°)	1398.7	4.0			G1/1800
FVH (80°-90°)	66.0	0.2			G1/100
BL (0°-30°)	3128.0	9.0	B4/5000		
BM (30°-60°)	12810.6	36.8	B5		
BH (60°-80°)	1398.7	4.0	B3/2500		G1/1800
BVH (80°-90°)	66.0	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-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6355.1	6355.1	6355.1	6355.1	6355.1	6355.1	6355.1	6355.1	6355.1	6355.1	6355.1
2.5°	6430.9	6401.4	6350.9	6388.8	6418.3	6355.1	6380.4	6393.0	6384.6	6350.9	6363.6
5°	6523.4	6506.6	6464.5	6493.9	6456.1	6456.1	6430.9	6397.2	6447.7	6439.3	6460.3
7.5°	6523.4	6502.4	6586.5	6531.8	6548.6	6548.6	6506.6	6472.9	6498.2	6460.3	6439.3
10°	6653.7	6683.2	6645.3	6657.9	6649.5	6679.0	6615.9	6594.9	6573.8	6561.2	6536.0
12.5°	6809.4	6788.4	6801.0	6792.6	6822.0	6746.3	6708.4	6662.1	6700.0	6645.3	6683.2
15°	6935.6	6922.9	6935.6	6969.2	6939.8	6935.6	6868.3	6822.0	6763.2	6775.8	6716.8
17.5°	7108.0	7095.3	7099.6	7129.0	7124.8	7103.8	7053.3	6965.0	6944.0	6910.3	6872.5
20°	7364.6	7343.5	7335.1	7347.7	7368.8	7385.6	7284.7	7251.0	7179.5	7124.8	7061.7
22.5°	7583.3	7574.9	7608.5	7553.9	7600.1	7650.6	7553.9	7537.0	7360.3	7330.9	7263.6
25°	7886.1	7873.4	7852.4	7932.4	7987.1	7982.9	7890.3	7797.8	7663.2	7629.6	7629.6
27.5°	8205.7	8134.2	8243.6	8264.6	8361.4	8390.8	8310.9	8176.3	8050.1	7978.7	7995.5
30°	8605.3	8538.0	8563.2	8714.7	8840.8	8950.2	8748.3	8550.6	8374.0	8247.8	8226.7
32.5°	9004.8	8937.6	9013.2	9160.5	9412.8	9576.9	9379.2	9034.3	8828.2	8643.1	8681.1
35°	9328.7	9379.2	9501.2	9724.1	9984.9	10249.9	9934.4	9669.4	9375.0	9168.9	9198.4
37.5°	9850.3	10005.9	10102.6	10359.2	10729.3	11002.7	10674.6	10329.8	10014.3	9745.1	9652.6
40°	10531.6	10636.8	10746.1	11049.0	11486.4	11759.8	11448.5	10998.5	10687.3	10409.6	10397.0
42.5°	11280.2	11381.3	11494.8	11864.9	12125.6	12331.8	12045.7	11806.0	11461.1	11242.4	11229.8
45°	12150.9	12079.4	12205.6	12449.5	12668.2	12802.8	12617.8	12500.0	12251.9	12049.9	12028.9
47.5°	12731.3	12668.2	12895.3	13114.0	13147.7	13000.5	13038.4	13147.7	12886.9	12554.7	12659.8
50°	13067.8	13067.8	13219.2	13421.1	13358.0	13168.7	13467.4	13475.8	13215.0	12920.6	12920.6
52.5°	12483.1	12613.6	13042.6	13702.9	13913.2	13967.8	13900.6	13614.5	12933.2	12331.8	12302.3
55°	10876.5	10847.0	11427.5	12941.6	14165.6	14813.2	13955.2	12638.8	11255.0	10577.8	10510.6
57.5°	7074.3	7108.0	7974.4	9518.0	11726.1	12933.2	11486.4	9635.8	7974.4	7040.7	7129.0
60°	3183.9	3297.5	3823.2	4975.6	6872.5	7856.6	6889.3	5228.0	4012.4	3482.5	3528.8
62.5°	1829.6	1850.6	1871.6	2220.7	2927.4	3461.5	3040.9	2346.9	2069.3	1976.8	1976.8
65°	1543.6	1531.0	1535.2	1564.6	1640.3	1749.7	1703.4	1640.3	1648.7	1640.3	1627.7
67.5°	1312.2	1329.0	1316.4	1337.4	1341.6	1358.6	1388.0	1413.2	1417.4	1425.8	1417.4
70°	1076.7	1080.9	1089.3	1106.2	1110.4	1123.0	1165.0	1186.1	1198.7	1198.7	1215.5
72.5°	824.3	820.1	828.6	845.4	866.4	870.6	908.4	937.9	954.7	933.7	937.9
75°	542.5	546.7	559.3	572.0	601.5	630.9	643.5	673.0	677.2	685.6	664.6
77.5°	323.9	332.3	344.9	370.1	395.4	420.6	450.0	471.0	479.5	471.0	445.8
80°	210.3	210.3	227.2	248.2	277.6	298.6	315.5	332.3	344.9	332.3	323.9
82.5°	130.4	130.4	151.4	176.6	197.7	210.3	235.6	256.6	269.2	260.8	248.2
85°	67.3	71.5	88.3	109.3	126.2	134.6	130.4	117.7	105.1	100.9	92.5
87.5°	21.0	21.0	25.2	25.2	21.0	21.0	25.2	21.0	25.2	25.2	25.2
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)