

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: P532876

Luminaire Tested: **GALN-SA8B-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532876  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8B-735-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37781 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

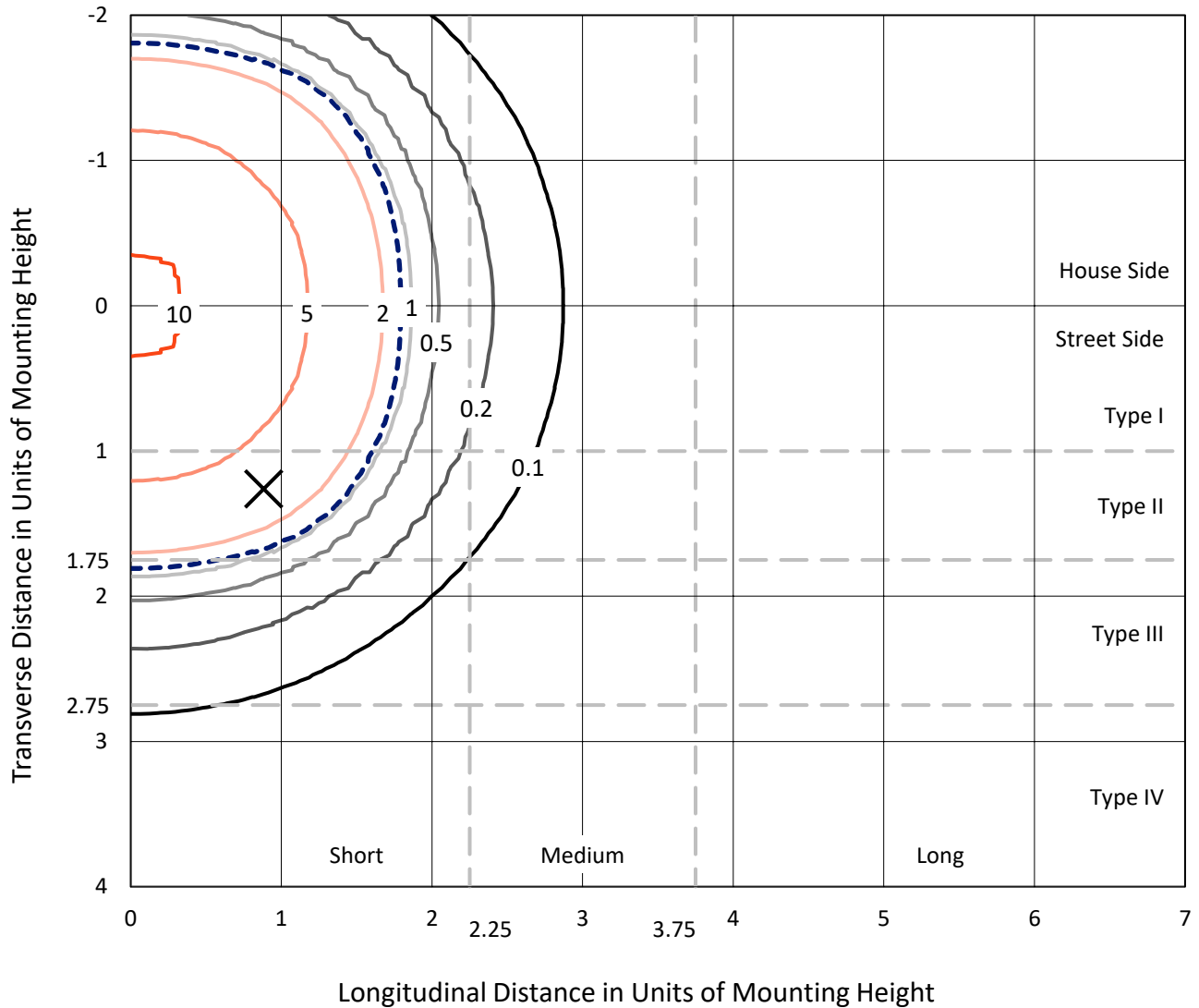
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

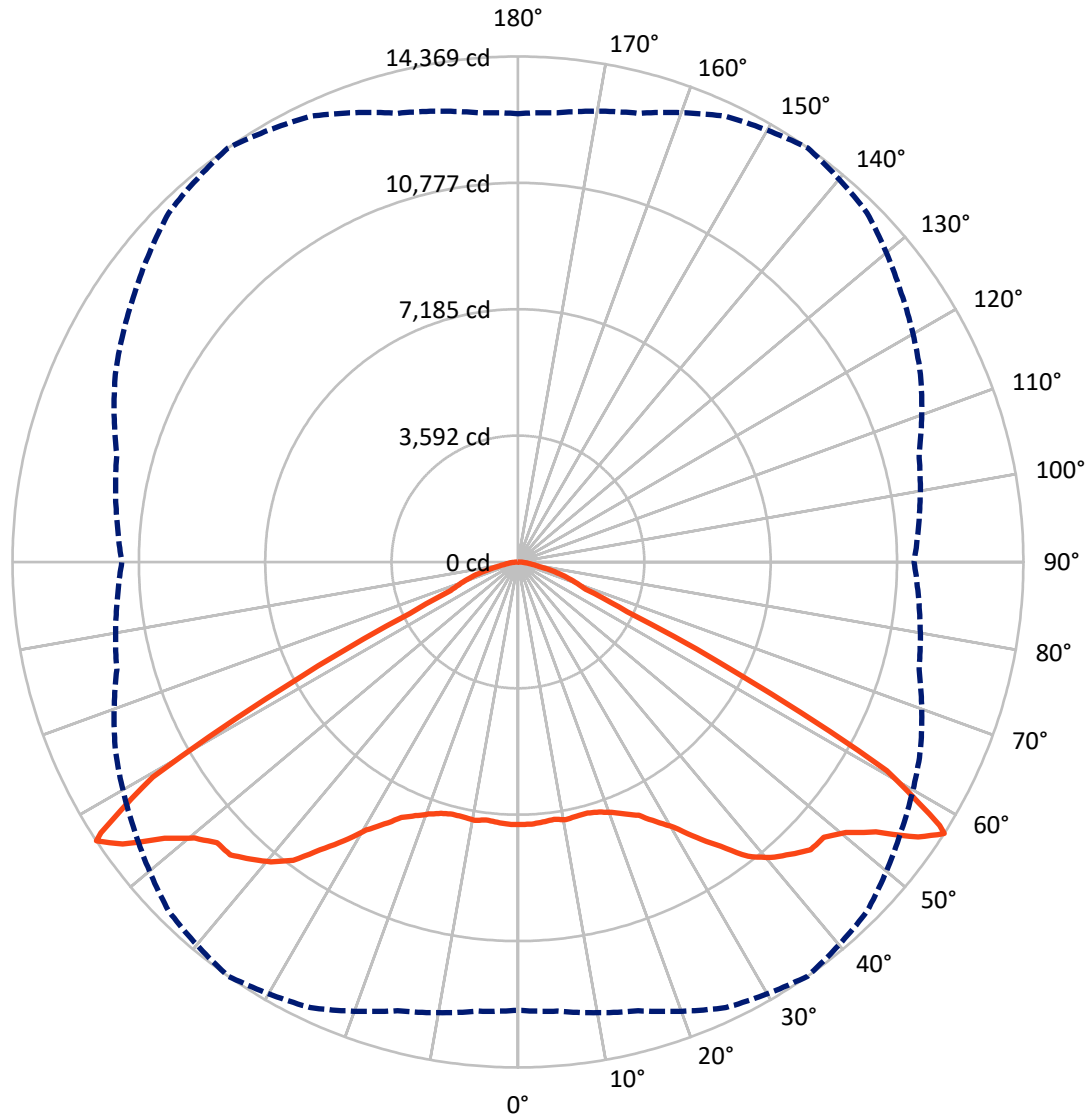
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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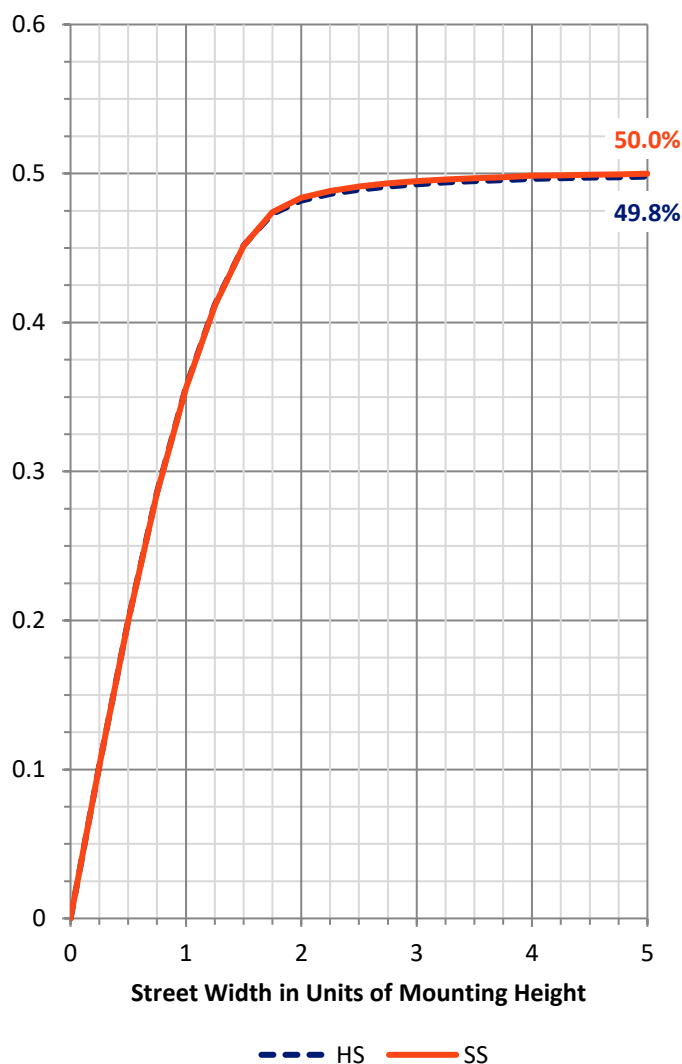
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18890.5	0.0	18890.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18890.5	0.0	18890.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37781.0	0.0	37781.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	707.4	1.9
10°-20°	2095.0	5.5
20°-30°	3659.0	9.7
30°-40°	5995.3	15.9
40°-50°	8790.6	23.3
50°-60°	11072.4	29.3
60°-70°	4164.2	11.0
70°-80°	1107.2	2.9
80°-90°	189.8	0.5
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°	37781.0	100.0
0°-180°	37781.0	100.0

**Coefficient of Utilization**



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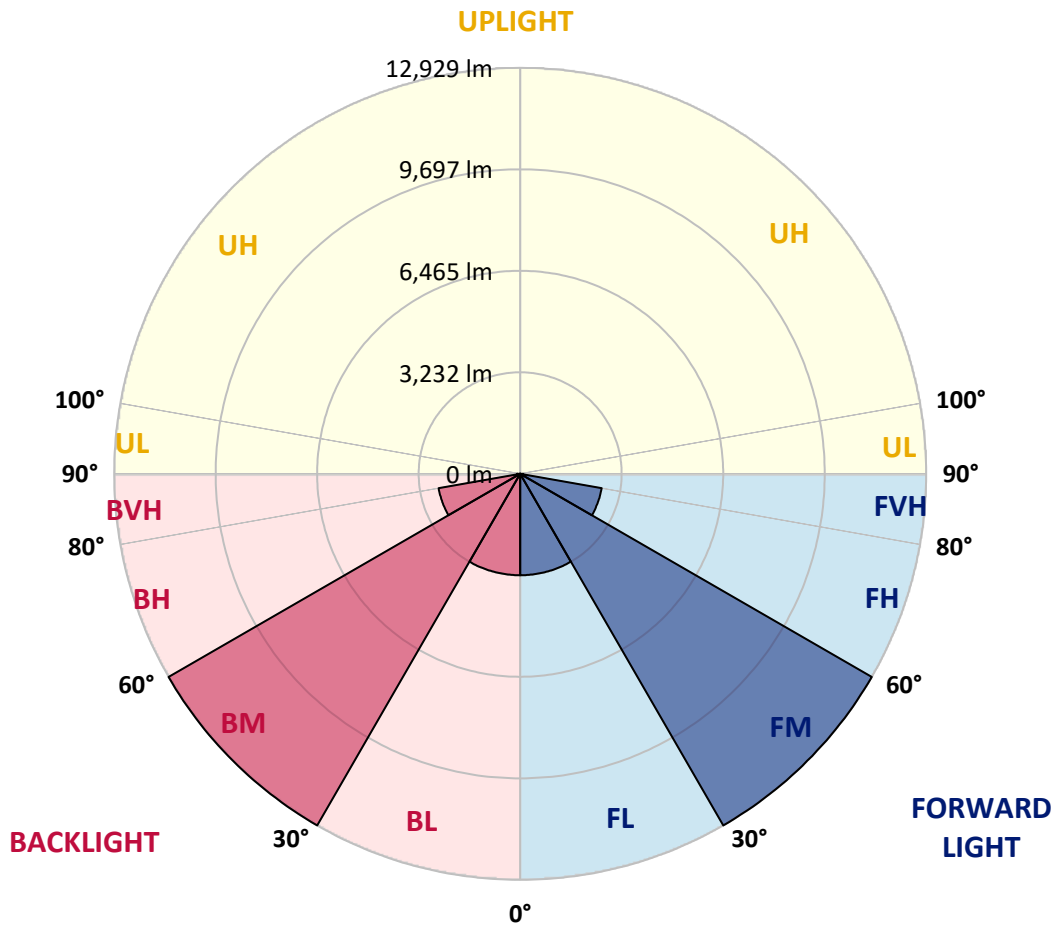
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3230.7	8.6			
FM (30°-60°)	12929.1	34.2			
FH (60°-80°)	2635.7	7.0			G2/5000
FVH (80°-90°)	94.9	0.3			G1/100
BL (0°-30°)	3230.7	8.6	B4/5000		
BM (30°-60°)	12929.1	34.2	B5		
BH (60°-80°)	2635.7	7.0	B4/5000		G2/5000
BVH (80°-90°)	94.9	0.3			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°	7461.5	7461.5	7461.5	7461.5	7461.5	7461.5	7461.5	7461.5	7461.5	7461.5	7461.5
2.5°	7424.2	7498.7	7466.1	7447.5	7461.5	7438.2	7401.0	7442.9	7433.5	7396.3	7382.3
5°	7405.6	7461.5	7424.2	7461.5	7424.2	7489.4	7470.8	7401.0	7484.7	7405.6	7433.5
7.5°	7391.6	7410.3	7419.6	7401.0	7387.0	7466.1	7424.2	7391.6	7345.1	7331.1	7354.4
10°	7359.1	7405.6	7335.8	7428.9	7447.5	7391.6	7391.6	7331.1	7293.9	7270.6	7349.8
12.5°	7442.9	7363.7	7354.4	7401.0	7414.9	7438.2	7373.0	7340.4	7270.6	7279.9	7266.0
15°	7345.1	7377.7	7382.3	7391.6	7405.6	7461.5	7401.0	7331.1	7303.2	7205.5	7214.8
17.5°	7382.3	7349.8	7382.3	7489.4	7470.8	7512.7	7447.5	7340.4	7275.3	7219.4	7293.9
20°	7447.5	7433.5	7447.5	7577.8	7601.1	7638.3	7582.5	7484.7	7359.1	7293.9	7331.1
22.5°	7517.3	7508.0	7517.3	7643.0	7778.0	7824.5	7768.7	7540.6	7475.4	7354.4	7312.5
25°	7643.0	7652.3	7750.1	7889.7	7978.1	8066.6	7964.2	7801.3	7591.8	7517.3	7428.9
27.5°	7922.3	7945.6	8001.4	8206.2	8359.8	8439.0	8294.7	8071.2	7940.9	7787.3	7764.0
30°	8266.7	8266.7	8364.5	8541.4	8750.8	8871.8	8695.0	8429.6	8271.4	8187.6	8136.4
32.5°	8722.9	8671.7	8708.9	9020.8	9346.6	9449.0	9211.6	8885.8	8634.5	8522.7	8485.5
35°	9113.9	9146.5	9230.3	9565.4	9928.5	10165.8	9793.5	9369.9	9113.9	9011.5	8992.9
37.5°	9621.2	9677.1	9719.0	10179.8	10617.3	10705.8	10347.4	10007.6	9695.7	9611.9	9565.4
40°	10338.1	10300.8	10314.8	10654.6	11050.2	11106.1	10752.3	10510.3	10254.3	10203.1	10203.1
42.5°	10929.2	10887.3	10933.9	11059.5	11362.1	11320.2	11124.7	10947.8	10840.8	10784.9	10840.8
45°	11287.6	11278.3	11362.1	11455.2	11669.3	11529.7	11376.1	11404.0	11301.6	11208.5	11203.8
47.5°	11678.6	11618.1	11720.5	11860.2	11697.2	11632.1	11622.8	11683.3	11650.7	11487.8	11436.6
50°	11869.5	11846.2	12009.1	12172.0	12083.6	11934.6	11967.2	12065.0	11646.0	11427.3	11301.6
52.5°	12381.5	12386.1	12698.0	12786.4	12749.2	12530.4	12600.2	12334.9	11841.5	11534.3	11548.3
55°	13186.7	13154.2	13503.3	13763.9	13805.8	13526.5	13191.4	12819.0	12199.9	11888.1	11795.0
57°	12744.5	12819.0	13205.4	13978.0	14369.0	14038.5	13307.8	12628.2	11804.3	11427.3	11259.7
57.5°	12153.4	12274.4	12944.7	13722.0	14131.6	14103.7	13163.5	12274.4	11539.0	10952.5	10966.5
60°	8904.4	8927.7	9532.8	10766.3	12046.3	12074.3	10929.2	9751.6	8932.4	8294.7	8383.1
62.5°	4696.6	4803.6	5045.7	6037.1	7145.0	7414.9	6721.4	6116.3	5408.8	4924.7	4971.2
65°	2485.6	2471.6	2588.0	2867.3	3411.9	3551.5	3458.4	2979.0	2732.3	2653.2	2657.8
67.5°	2020.1	2043.4	2029.4	2043.4	2080.6	2141.2	2127.2	2145.8	2159.8	2183.0	2178.4
70°	1712.9	1712.9	1722.2	1726.9	1726.9	1754.8	1787.4	1847.9	1852.6	1875.8	1885.1
72.5°	1349.9	1340.6	1354.5	1387.1	1391.8	1415.0	1461.6	1498.8	1512.8	1512.8	1484.8
75°	917.0	926.3	944.9	972.8	1000.8	1042.7	1079.9	1103.2	1112.5	1098.5	1084.5
77.5°	516.7	526.0	539.9	581.8	614.4	651.7	693.5	716.8	740.1	744.8	716.8
80°	307.2	307.2	330.5	363.1	400.3	437.5	474.8	502.7	512.0	512.0	498.1
82.5°	186.2	190.8	209.5	242.0	274.6	297.9	330.5	353.8	372.4	367.7	358.4
85°	97.7	97.7	116.4	144.3	167.6	190.8	190.8	176.9	167.6	144.3	135.0
87.5°	32.6	27.9	37.2	37.2	32.6	37.2	37.2	41.9	41.9	41.9	41.9
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)