

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: P530536

Luminaire Tested: **GALN-SA5D-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530536  
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-SA5D-735-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3500K, 1200mA 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: 31854 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

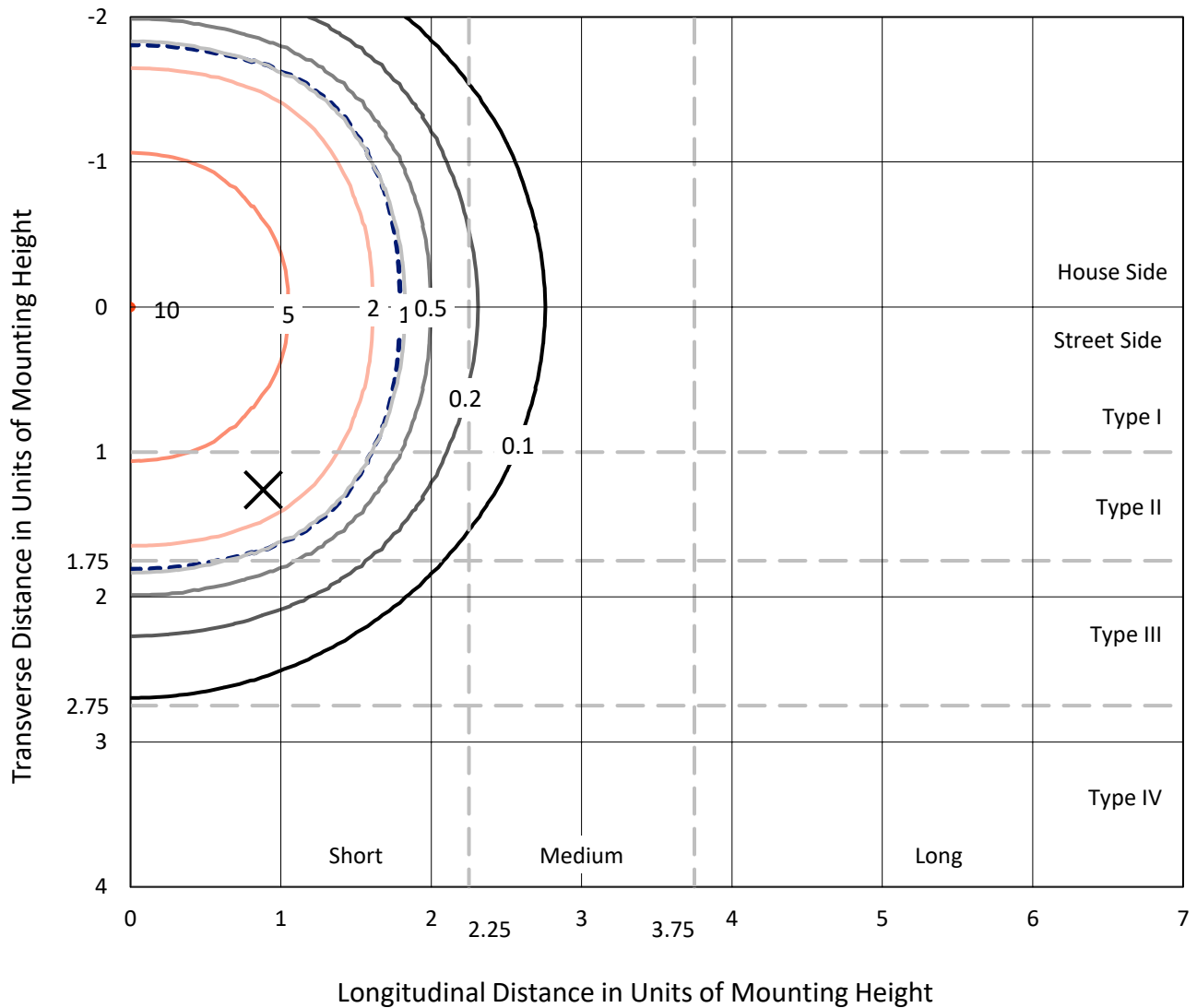
Input Watts (W): 309  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

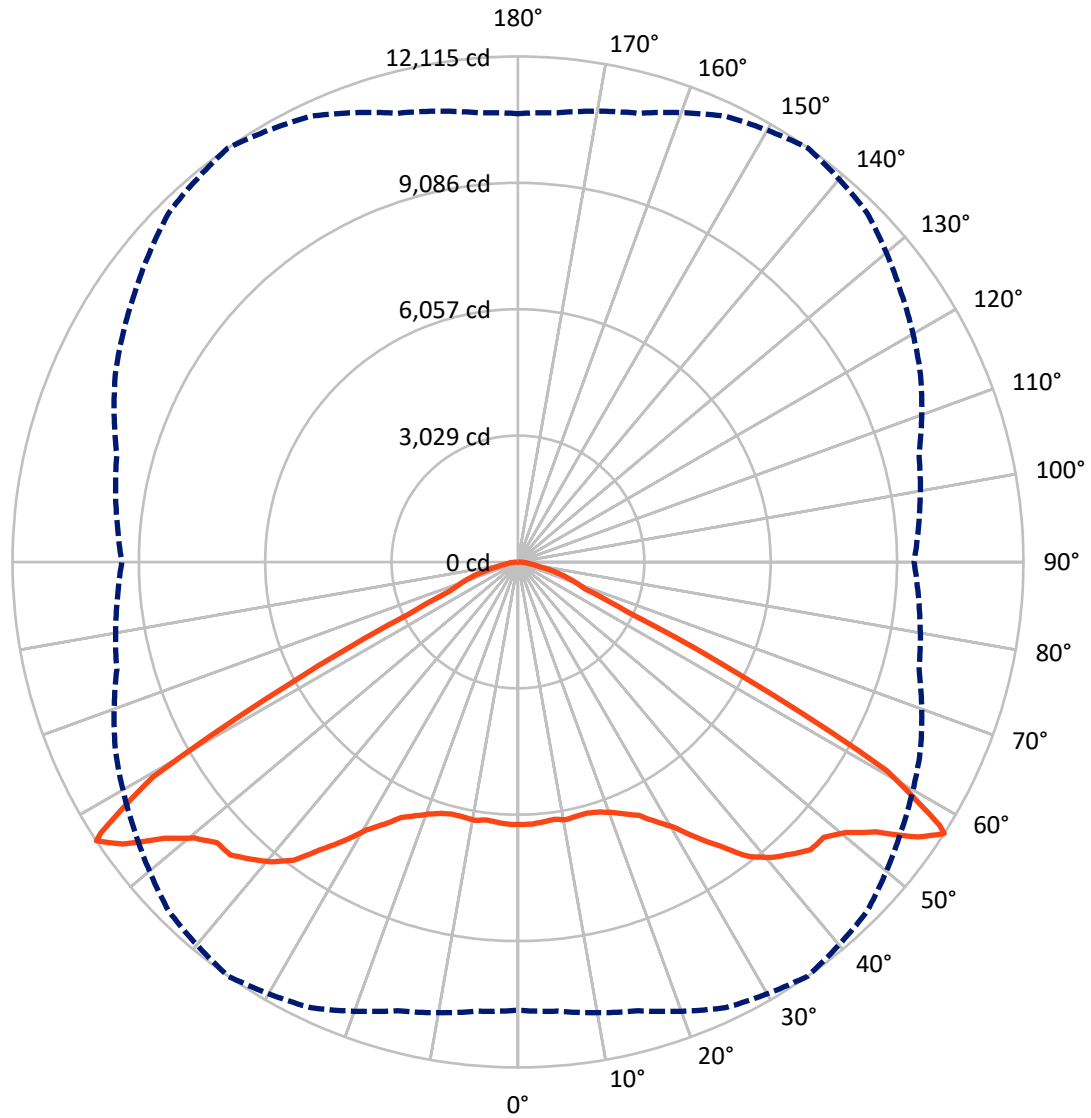
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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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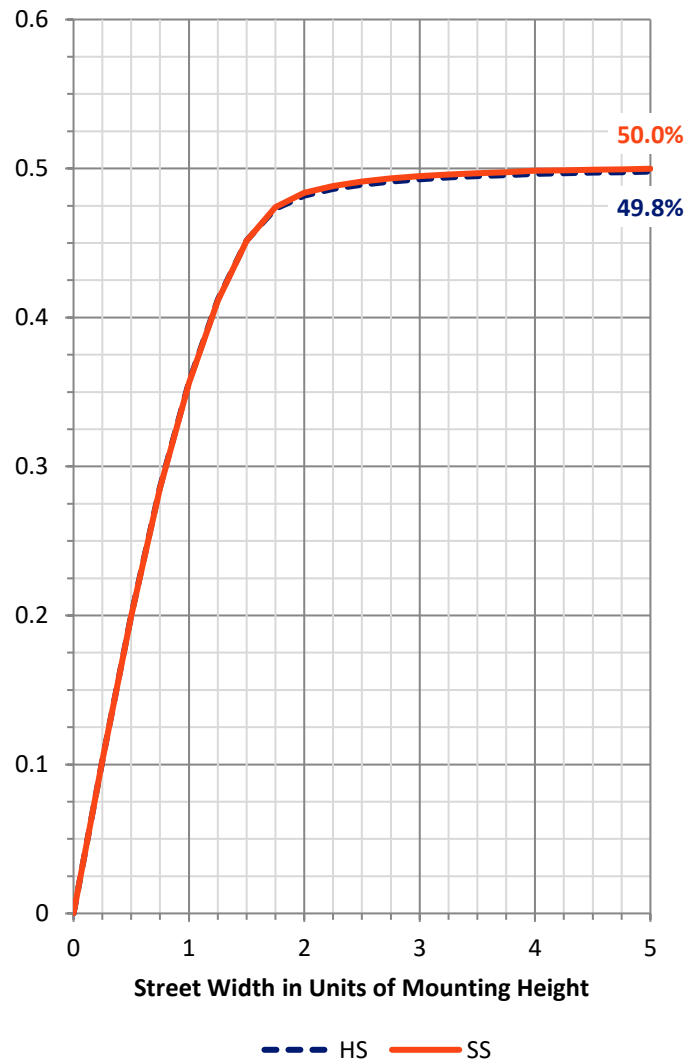
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15927.0	0.0	15927.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15927.0	0.0	15927.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31854.0	0.0	31854.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	596.4	1.9
10°-20°	1766.4	5.5
20°-30°	3085.0	9.7
30°-40°	5054.8	15.9
40°-50°	7411.5	23.3
50°-60°	9335.4	29.3
60°-70°	3511.0	11.0
70°-80°	933.5	2.9
80°-90°	160.1	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°	31854.0	100.0
0°-180°	31854.0	100.0



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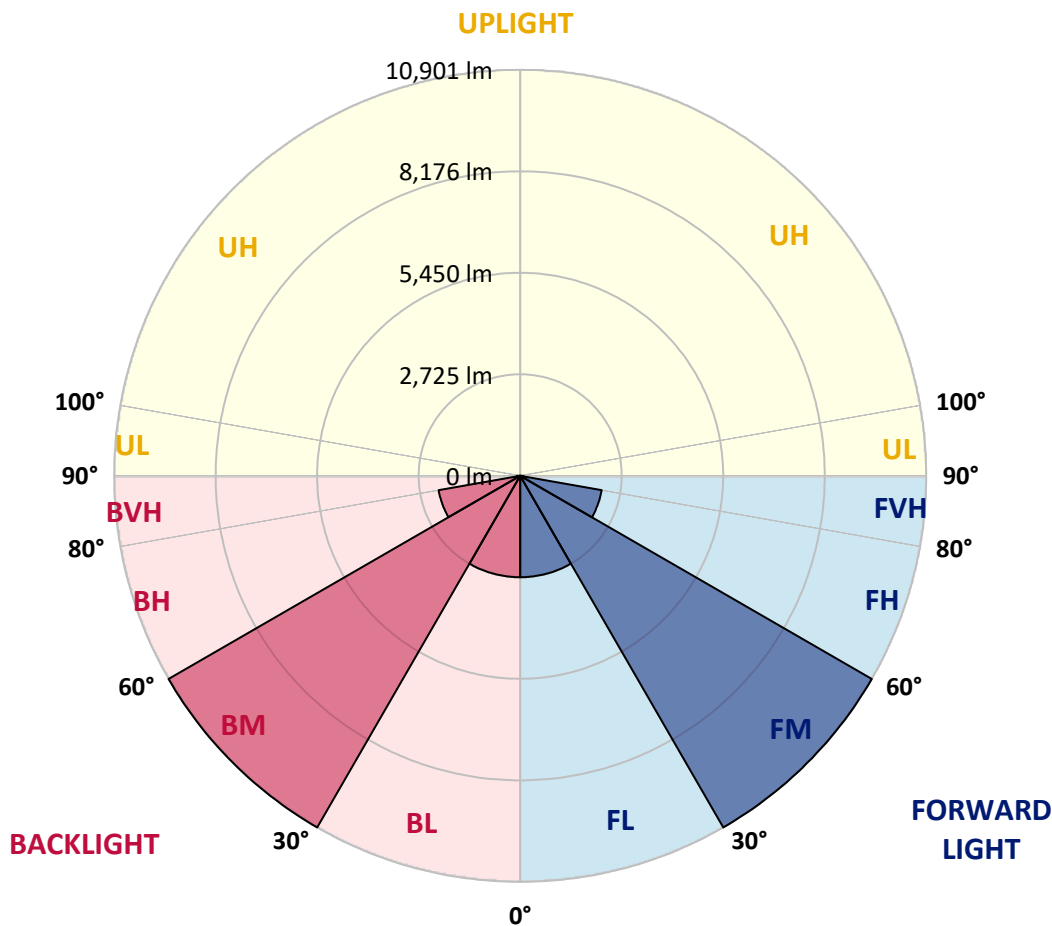
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2723.9	8.6			
FM (30°-60°)	10900.8	34.2			
FH (60°-80°)	2222.3	7.0			G2/5000
FVH (80°-90°)	80.0	0.3			G1/100
BL (0°-30°)	2723.9	8.6	B4/5000		
BM (30°-60°)	10900.8	34.2	B5		
BH (60°-80°)	2222.3	7.0	B3/2500		G2/5000
BVH (80°-90°)	80.0	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°	6290.9	6290.9	6290.9	6290.9	6290.9	6290.9	6290.9	6290.9	6290.9	6290.9	6290.9
2.5°	6259.5	6322.3	6294.9	6279.2	6290.9	6271.3	6239.9	6275.2	6267.4	6236.0	6224.2
5°	6243.8	6290.9	6259.5	6290.9	6259.5	6314.5	6298.8	6239.9	6310.6	6243.8	6267.4
7.5°	6232.1	6247.8	6255.6	6239.9	6228.1	6294.9	6259.5	6232.1	6192.8	6181.0	6200.7
10°	6204.6	6243.8	6185.0	6263.5	6279.2	6232.1	6232.1	6181.0	6149.6	6130.0	6196.7
12.5°	6275.2	6208.5	6200.7	6239.9	6251.7	6271.3	6216.4	6188.9	6130.0	6137.9	6126.1
15°	6192.8	6220.3	6224.2	6232.1	6243.8	6290.9	6239.9	6181.0	6157.5	6075.1	6082.9
17.5°	6224.2	6196.7	6224.2	6314.5	6298.8	6334.1	6279.2	6188.9	6134.0	6086.9	6149.6
20°	6279.2	6267.4	6279.2	6389.0	6408.7	6440.1	6393.0	6310.6	6204.6	6149.6	6181.0
22.5°	6338.0	6330.2	6338.0	6444.0	6557.8	6597.0	6549.9	6357.6	6302.7	6200.7	6165.3
25°	6444.0	6451.8	6534.2	6652.0	6726.5	6801.1	6714.8	6577.4	6400.8	6338.0	6263.5
27.5°	6679.5	6699.1	6746.2	6918.8	7048.4	7115.1	6993.4	6805.0	6695.2	6565.6	6546.0
30°	6969.9	6969.9	7052.3	7201.4	7378.0	7480.0	7330.9	7107.2	6973.8	6903.1	6860.0
32.5°	7354.5	7311.3	7342.7	7605.6	7880.3	7966.7	7766.5	7491.8	7279.9	7185.7	7154.3
35°	7684.1	7711.6	7782.2	8064.8	8370.9	8571.0	8257.1	7900.0	7684.1	7597.8	7582.1
37.5°	8111.9	8159.0	8194.3	8582.8	8951.7	9026.3	8724.1	8437.6	8174.7	8104.0	8064.8
40°	8716.3	8684.9	8696.6	8983.1	9316.7	9363.8	9065.5	8861.5	8645.6	8602.4	8602.4
42.5°	9214.7	9179.3	9218.6	9324.5	9579.6	9544.3	9379.5	9230.4	9140.1	9093.0	9140.1
45°	9516.8	9509.0	9579.6	9658.1	9838.7	9720.9	9591.4	9615.0	9528.6	9450.1	9446.2
47.5°	9846.5	9795.5	9881.8	9999.6	9862.2	9807.3	9799.4	9850.4	9823.0	9685.6	9642.4
50°	10007.4	9987.8	10125.1	10262.5	10187.9	10062.3	10089.8	10172.2	9819.0	9634.6	9528.6
52.5°	10439.1	10443.0	10706.0	10780.5	10749.1	10564.7	10623.5	10399.9	9983.9	9724.8	9736.6
55°	11118.0	11090.6	11384.9	11604.7	11640.0	11404.5	11122.0	10808.0	10286.0	10023.1	9944.6
57°	10745.2	10808.0	11133.7	11785.2	12114.8	11836.2	11220.1	10647.1	9952.5	9634.6	9493.3
57.5°	10246.8	10348.8	10914.0	11569.3	11914.7	11891.2	11098.4	10348.8	9728.8	9234.3	9246.1
60°	7507.5	7527.1	8037.3	9077.3	10156.5	10180.1	9214.7	8221.8	7531.1	6993.4	7068.0
62.5°	3959.8	4050.1	4254.1	5090.0	6024.1	6251.7	5666.9	5156.8	4560.2	4152.1	4191.3
65°	2095.7	2083.9	2182.0	2417.5	2876.6	2994.4	2915.9	2511.7	2303.7	2236.9	2240.9
67.5°	1703.2	1722.8	1711.1	1722.8	1754.2	1805.3	1793.5	1809.2	1821.0	1840.6	1836.7
70°	1444.2	1444.2	1452.1	1456.0	1456.0	1479.5	1507.0	1558.0	1561.9	1581.6	1589.4
72.5°	1138.1	1130.2	1142.0	1169.5	1173.4	1193.0	1232.3	1263.7	1275.5	1275.5	1251.9
75°	773.1	781.0	796.7	820.2	843.8	879.1	910.5	930.1	937.9	926.2	914.4
77.5°	435.6	443.5	455.2	490.6	518.0	549.4	584.7	604.4	624.0	627.9	604.4
80°	259.0	259.0	278.6	306.1	337.5	368.9	400.3	423.8	431.7	431.7	419.9
82.5°	157.0	160.9	176.6	204.1	231.5	251.2	278.6	298.3	314.0	310.0	302.2
85°	82.4	82.4	98.1	121.7	141.3	160.9	160.9	149.1	141.3	121.7	113.8
87.5°	27.5	23.5	31.4	31.4	27.5	31.4	31.4	35.3	35.3	35.3	35.3
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)