

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: P530666

Luminaire Tested: **GALN-SA5D-830-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530666  
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-830-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 80 CRI, 3000K, 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: 27173 lumens  
Efficiency: N/A  
Efficacy: 87.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

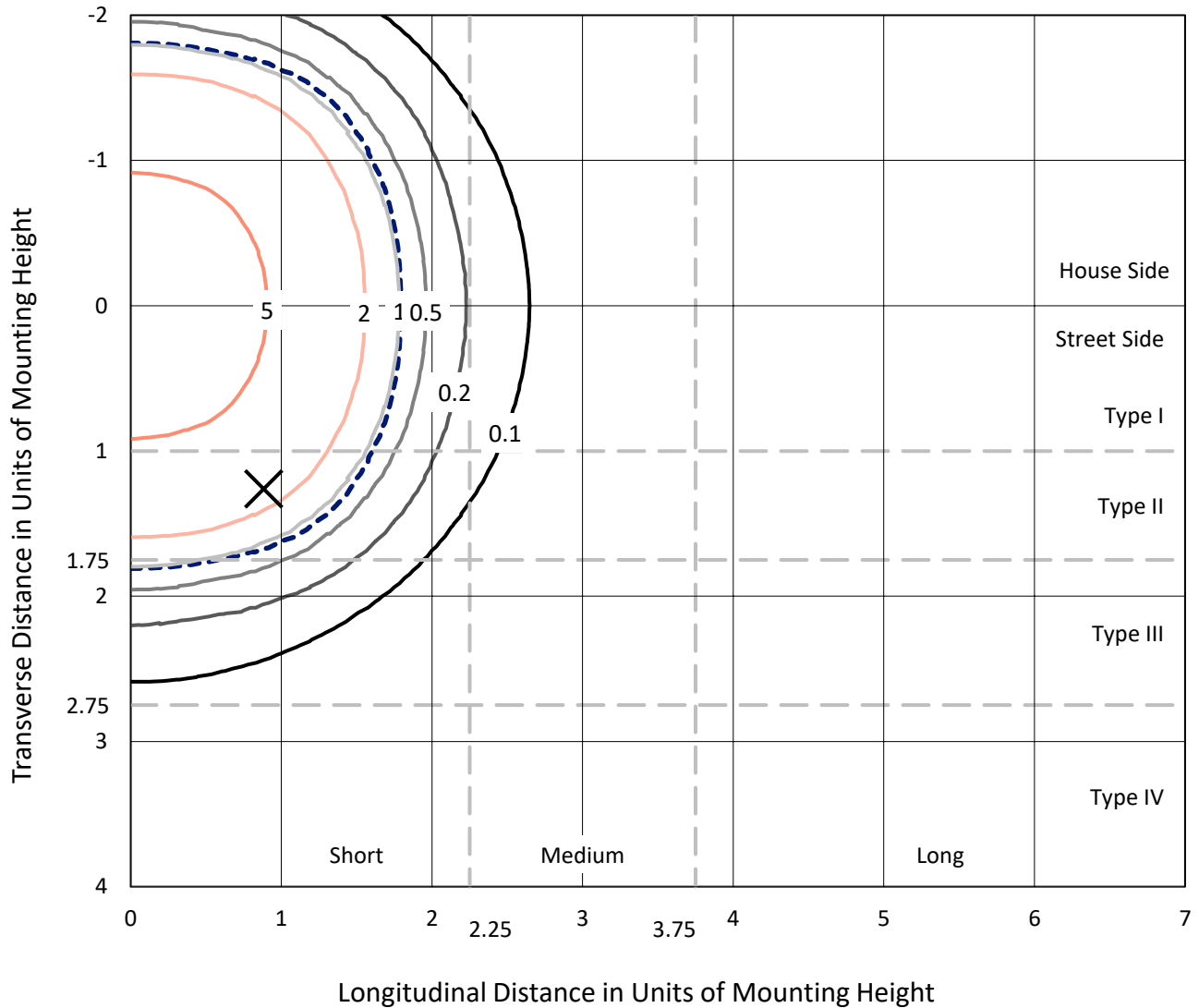
Input Watts (W): 309  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

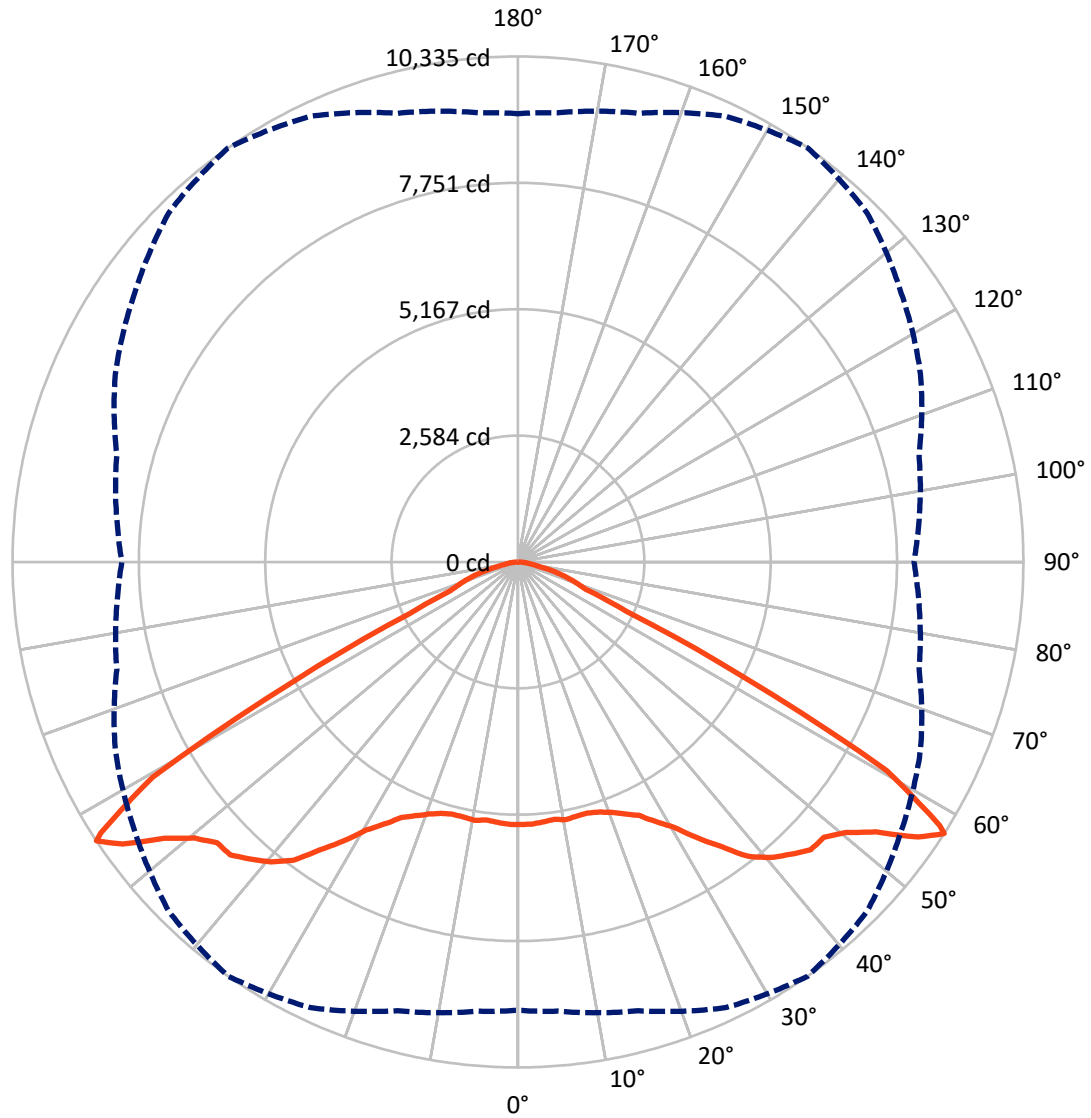
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	13586.5	0.0	13586.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13586.5	0.0	13586.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27173.0	0.0	27173.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	508.8	1.9
10°-20°	1506.8	5.5
20°-30°	2631.6	9.7
30°-40°	4312.0	15.9
40°-50°	6322.4	23.3
50°-60°	7963.5	29.3
60°-70°	2995.0	11.0
70°-80°	796.4	2.9
80°-90°	136.5	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°	27173.0	100.0
0°-180°	27173.0	100.0

**Coefficient of Utilization**



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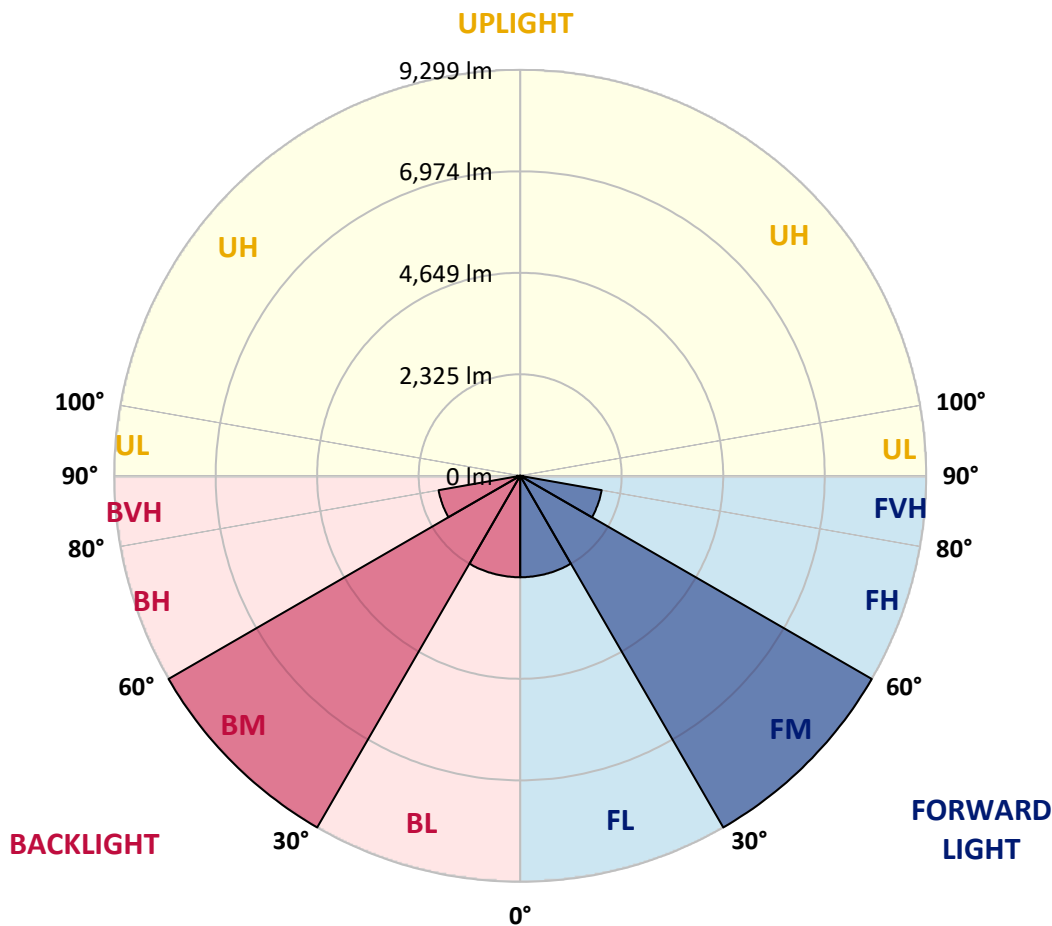
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2323.6	8.6			
FM (30°-60°)	9299.0	34.2			
FH (60°-80°)	1895.7	7.0			G2/5000
FVH (80°-90°)	68.3	0.3			G1/100
BL (0°-30°)	2323.6	8.6	B3/2500		
BM (30°-60°)	9299.0	34.2	B5		
BH (60°-80°)	1895.7	7.0	B3/2500		G2/5000
BVH (80°-90°)	68.3	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°	5366.5	5366.5	5366.5	5366.5	5366.5	5366.5	5366.5	5366.5	5366.5	5366.5	5366.5
2.5°	5339.7	5393.2	5369.8	5356.4	5366.5	5349.7	5322.9	5353.1	5346.4	5319.6	5309.6
5°	5326.3	5366.5	5339.7	5366.5	5339.7	5386.6	5373.2	5322.9	5383.2	5326.3	5346.4
7.5°	5316.3	5329.6	5336.3	5322.9	5312.9	5369.8	5339.7	5316.3	5282.8	5272.7	5289.5
10°	5292.8	5326.3	5276.1	5343.0	5356.4	5316.3	5316.3	5272.7	5245.9	5229.2	5286.1
12.5°	5353.1	5296.2	5289.5	5322.9	5333.0	5349.7	5302.9	5279.4	5229.2	5235.9	5225.9
15°	5282.8	5306.2	5309.6	5316.3	5326.3	5366.5	5322.9	5272.7	5252.6	5182.3	5189.0
17.5°	5309.6	5286.1	5309.6	5386.6	5373.2	5403.3	5356.4	5279.4	5232.6	5192.4	5245.9
20°	5356.4	5346.4	5356.4	5450.2	5466.9	5493.7	5453.5	5383.2	5292.8	5245.9	5272.7
22.5°	5406.6	5399.9	5406.6	5497.0	5594.1	5627.6	5587.4	5423.4	5376.5	5289.5	5259.3
25°	5497.0	5503.7	5574.0	5674.5	5738.1	5801.7	5728.0	5610.9	5460.2	5406.6	5343.0
27.5°	5697.9	5714.6	5754.8	5902.1	6012.6	6069.5	5965.7	5805.0	5711.3	5600.8	5584.1
30°	5945.6	5945.6	6015.9	6143.1	6293.8	6380.8	6253.6	6062.8	5949.0	5888.7	5851.9
32.5°	6273.7	6236.9	6263.7	6488.0	6722.3	6796.0	6625.2	6390.9	6210.1	6129.8	6103.0
35°	6554.9	6578.4	6638.6	6879.7	7140.8	7311.5	7043.7	6739.1	6554.9	6481.3	6467.9
37.5°	6919.8	6960.0	6990.1	7321.6	7636.3	7699.9	7442.1	7197.7	6973.4	6913.1	6879.7
40°	7435.4	7408.6	7418.6	7663.0	7947.6	7987.8	7733.3	7559.3	7375.1	7338.3	7338.3
42.5°	7860.6	7830.4	7863.9	7954.3	8171.9	8141.8	8001.2	7873.9	7796.9	7756.8	7796.9
45°	8118.3	8111.6	8171.9	8238.8	8392.8	8292.4	8181.9	8202.0	8128.4	8061.4	8058.1
47.5°	8399.5	8356.0	8429.7	8530.1	8412.9	8366.1	8359.4	8402.9	8379.5	8262.3	8225.5
50°	8536.8	8520.1	8637.2	8754.4	8690.8	8583.7	8607.1	8677.4	8376.1	8218.8	8128.4
52.5°	8905.1	8908.4	9132.7	9196.3	9169.5	9012.2	9062.4	8871.6	8516.7	8295.8	8305.8
55°	9484.2	9460.8	9711.9	9899.3	9929.5	9728.6	9487.6	9219.7	8774.5	8550.2	8483.2
57°	9166.2	9219.7	9497.6	10053.3	10334.6	10096.9	9571.3	9082.5	8489.9	8218.8	8098.2
57.5°	8741.0	8828.1	9310.1	9869.2	10163.8	10143.7	9467.5	8828.1	8299.1	7877.3	7887.3
60°	6404.3	6421.0	6856.2	7743.4	8664.0	8684.1	7860.6	7013.6	6424.4	5965.7	6029.3
62.5°	3377.9	3454.9	3629.0	4342.1	5138.8	5333.0	4834.2	4399.0	3890.1	3541.9	3575.4
65°	1787.7	1777.7	1861.4	2062.2	2453.9	2554.3	2487.4	2142.6	1965.1	1908.2	1911.6
67.5°	1452.9	1469.7	1459.6	1469.7	1496.5	1540.0	1529.9	1543.3	1553.4	1570.1	1566.8
70°	1232.0	1232.0	1238.7	1242.0	1242.0	1262.1	1285.5	1329.1	1332.4	1349.1	1355.8
72.5°	970.9	964.2	974.2	997.6	1001.0	1017.7	1051.2	1078.0	1088.0	1088.0	1067.9
75°	659.5	666.2	679.6	699.7	719.8	749.9	776.7	793.4	800.1	790.1	780.0
77.5°	371.6	378.3	388.3	418.5	441.9	468.7	498.8	515.6	532.3	535.6	515.6
80°	221.0	221.0	237.7	261.1	287.9	314.7	341.5	361.6	368.3	368.3	358.2
82.5°	133.9	137.3	150.6	174.1	197.5	214.3	237.7	254.4	267.8	264.5	257.8
85°	70.3	70.3	83.7	103.8	120.5	137.3	137.3	127.2	120.5	103.8	97.1
87.5°	23.4	20.1	26.8	26.8	23.4	26.8	26.8	30.1	30.1	30.1	30.1
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)