

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: P530674

Luminaire Tested: **GALN-SA5D-830-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530674  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
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-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26975 lumens  
Efficiency: N/A  
Efficacy: 87.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

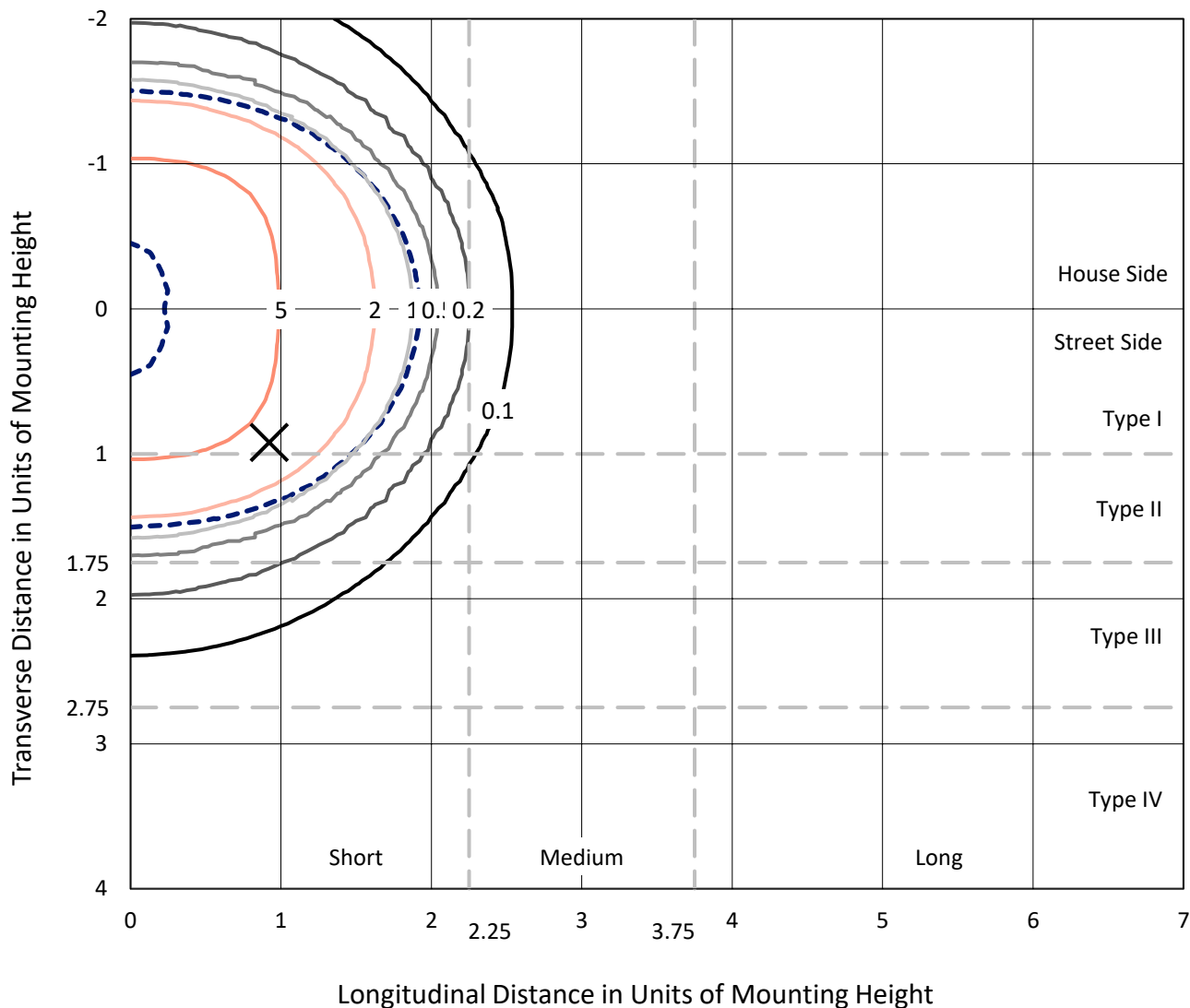
Input Watts (W): 309  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

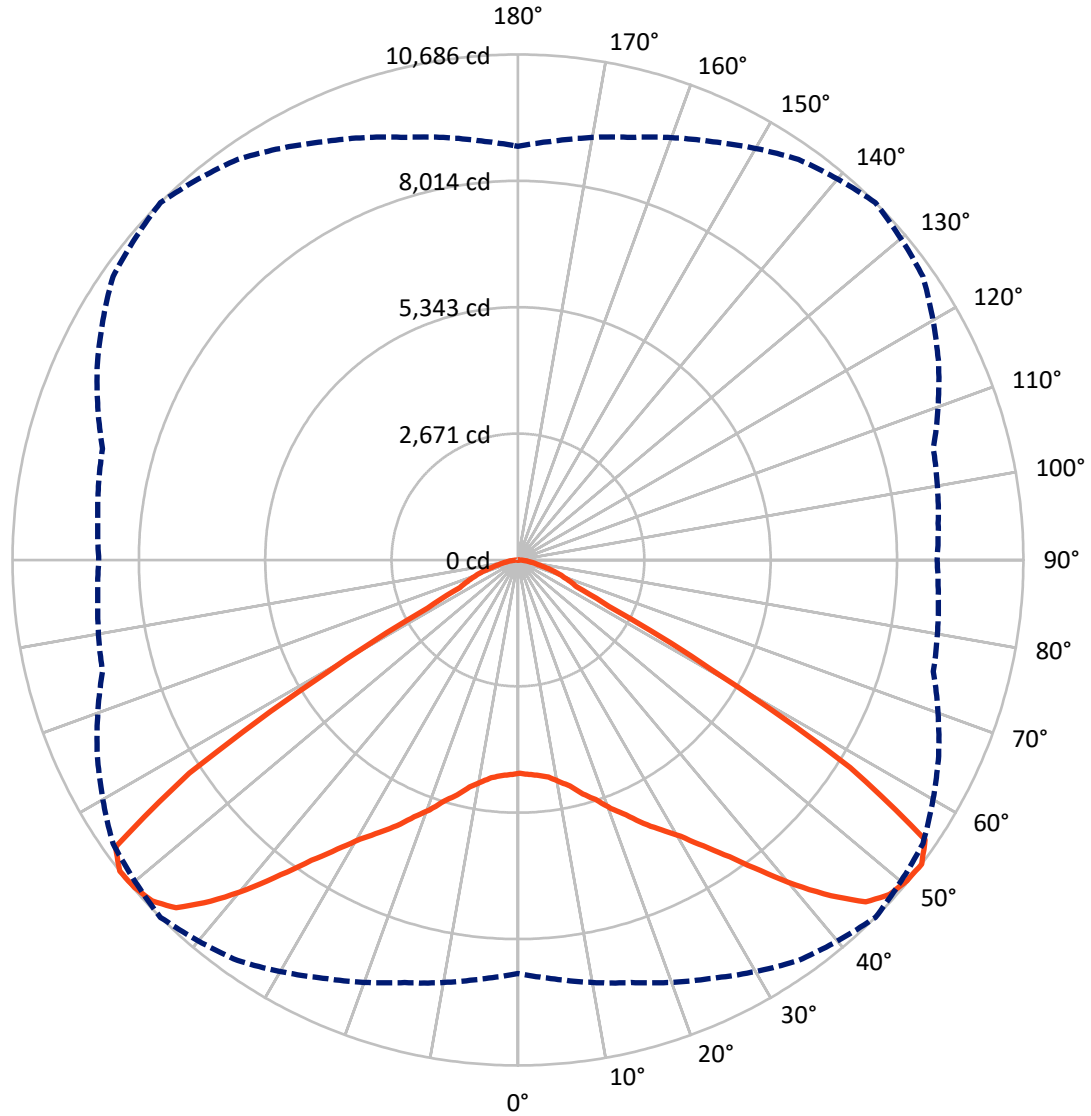
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13487.5	0.0	13487.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13487.5	0.0	13487.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26975.0	0.0	26975.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	443.0	1.6
10°-20°	1455.7	5.4
20°-30°	2771.5	10.3
30°-40°	4758.9	17.6
40°-50°	7314.5	27.1
50°-60°	7427.7	27.5
60°-70°	2070.0	7.7
70°-80°	610.6	2.3
80°-90°	123.0	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°	26975.0	100.0
0°-180°	26975.0	100.0

**Coefficient of Utilization**



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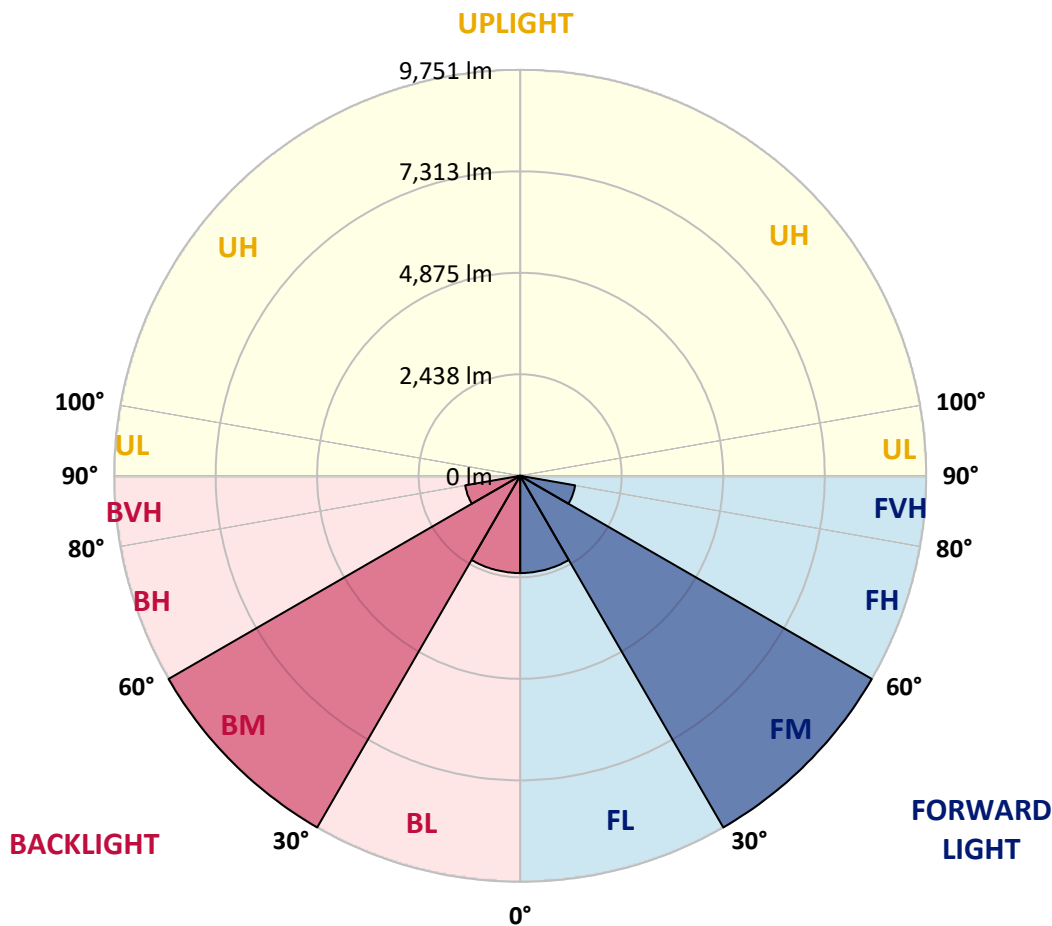
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2335.1	8.7			
FM (30°-60°)	9750.6	36.1			
FH (60°-80°)	1340.3	5.0			G1/1800
FVH (80°-90°)	61.5	0.2			G1/100
BL (0°-30°)	2335.1	8.7	B3/2500		
BM (30°-60°)	9750.6	36.1	B5		
BH (60°-80°)	1340.3	5.0	B3/2500		G1/1800
BVH (80°-90°)	61.5	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°	4509.2	4509.2	4509.2	4509.2	4509.2	4509.2	4509.2	4509.2	4509.2	4509.2	4509.2
2.5°	4519.3	4472.4	4489.1	4499.2	4542.7	4539.4	4529.3	4542.7	4556.1	4559.4	4552.7
5°	4515.9	4482.4	4495.8	4505.9	4549.4	4572.8	4566.1	4623.0	4663.2	4653.2	4703.4
7.5°	4489.1	4509.2	4492.5	4542.7	4579.5	4636.4	4696.7	4750.3	4800.5	4857.4	4867.4
10°	4549.4	4549.4	4579.5	4619.7	4716.8	4760.3	4847.3	4924.3	5021.4	5088.4	5061.6
12.5°	4613.0	4623.0	4623.0	4726.8	4807.2	4904.2	4984.6	5088.4	5225.6	5306.0	5346.1
15°	4676.6	4683.3	4716.8	4857.4	4977.9	5131.9	5205.5	5299.3	5376.3	5526.9	5530.2
17.5°	4733.5	4770.3	4870.8	5028.1	5178.7	5326.0	5443.2	5540.3	5607.2	5667.5	5654.1
20°	4947.8	4974.5	5078.3	5235.7	5459.9	5603.9	5644.1	5660.8	5704.3	5824.8	5788.0
22.5°	5155.3	5165.4	5262.4	5503.5	5660.8	5851.6	5895.1	5885.1	5901.8	5932.0	5985.5
25°	5369.6	5386.3	5520.2	5724.4	5945.4	6173.0	6209.8	6132.8	6109.4	6142.9	6146.2
27.5°	5644.1	5647.4	5818.1	5995.6	6246.6	6460.9	6517.8	6457.5	6347.1	6373.8	6417.4
30°	5992.2	5968.8	6139.5	6393.9	6658.4	6778.9	6876.0	6845.9	6725.3	6701.9	6665.1
32.5°	6393.9	6400.6	6554.6	6832.5	7006.5	7207.4	7311.2	7261.0	7184.0	7143.8	7167.2
35°	6959.7	6989.8	7093.6	7324.6	7605.8	7706.2	7870.2	7763.1	7562.2	7612.5	7656.0
37.5°	7425.0	7512.0	7706.2	7980.7	8148.1	8332.2	8392.5	8248.5	8101.2	8041.0	8184.9
40°	8138.0	8111.3	8325.5	8600.0	8847.7	9031.8	8954.8	8810.9	8446.0	8449.4	8489.5
42.5°	8750.6	8764.0	8928.1	9256.1	9594.2	9708.1	9463.7	9112.2	8707.1	8663.6	8750.6
45°	9266.2	9319.7	9413.5	9852.0	10183.4	10307.3	9855.4	9440.3	8897.9	8717.2	8861.1
47.5°	9450.3	9537.3	9741.5	10143.2	10471.3	10571.7	10210.2	9614.3	9075.4	8780.8	8857.8
50°	9477.1	9446.9	9781.7	10149.9	10437.8	10655.4	10337.4	9741.5	9031.8	8877.9	8854.4
52.5°	8743.9	8891.2	9249.4	9754.9	10337.4	10685.6	10451.2	9811.8	9092.1	8918.0	8861.1
55°	7076.8	6902.8	7555.5	8405.8	9477.1	10444.5	10411.1	9848.7	9128.9	8985.0	8908.0
57.5°	3950.2	4000.4	4368.6	5292.6	6675.1	8282.0	9256.1	9460.3	9112.2	9028.5	9068.7
60°	1827.8	1844.5	2001.9	2433.7	3290.7	4696.7	5978.8	7281.0	7880.3	8000.8	8000.8
62.5°	1362.5	1355.8	1396.0	1472.9	1653.7	2159.2	2882.3	3916.7	4740.2	5316.0	5466.6
65°	1231.9	1228.6	1248.7	1275.4	1288.8	1359.1	1519.8	1837.8	2105.6	2259.6	2232.9
67.5°	1077.9	1074.6	1081.3	1098.0	1121.4	1158.3	1198.4	1265.4	1359.1	1352.4	1335.7
70°	870.4	870.4	880.4	893.8	920.6	964.1	1011.0	1057.8	1138.2	1154.9	1151.6
72.5°	642.7	632.7	652.8	679.6	706.3	759.9	810.1	853.6	910.5	927.3	920.6
75°	408.4	415.1	428.5	458.6	505.5	542.3	595.9	632.7	669.5	682.9	686.3
77.5°	227.6	234.3	257.8	294.6	341.5	381.6	428.5	458.6	482.1	485.4	488.8
80°	137.3	140.6	164.0	197.5	237.7	281.2	318.0	348.2	368.2	358.2	354.8
82.5°	83.7	87.0	107.1	137.3	170.7	204.2	244.4	271.2	291.2	277.9	264.5
85°	43.5	46.9	63.6	83.7	110.5	127.2	127.2	113.8	110.5	103.8	100.4
87.5°	13.4	13.4	16.7	20.1	16.7	20.1	23.4	26.8	26.8	30.1	26.8
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)