

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: P532832

Luminaire Tested: **GALN-SA8B-727-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532832  
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-SA8B-727-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 2700K, 800mA 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: 33672 lumens  
Efficiency: N/A  
Efficacy: 103.6 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

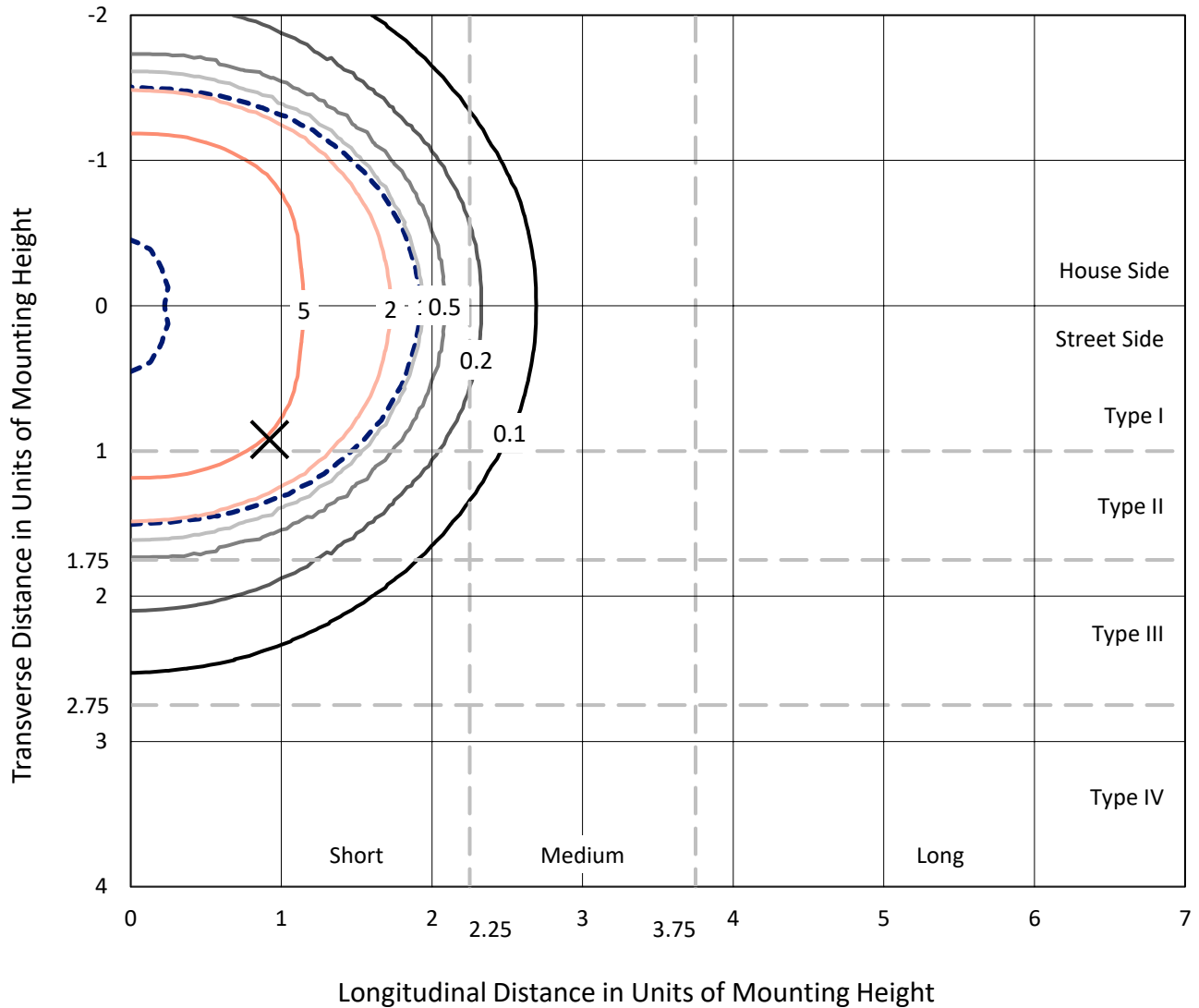
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

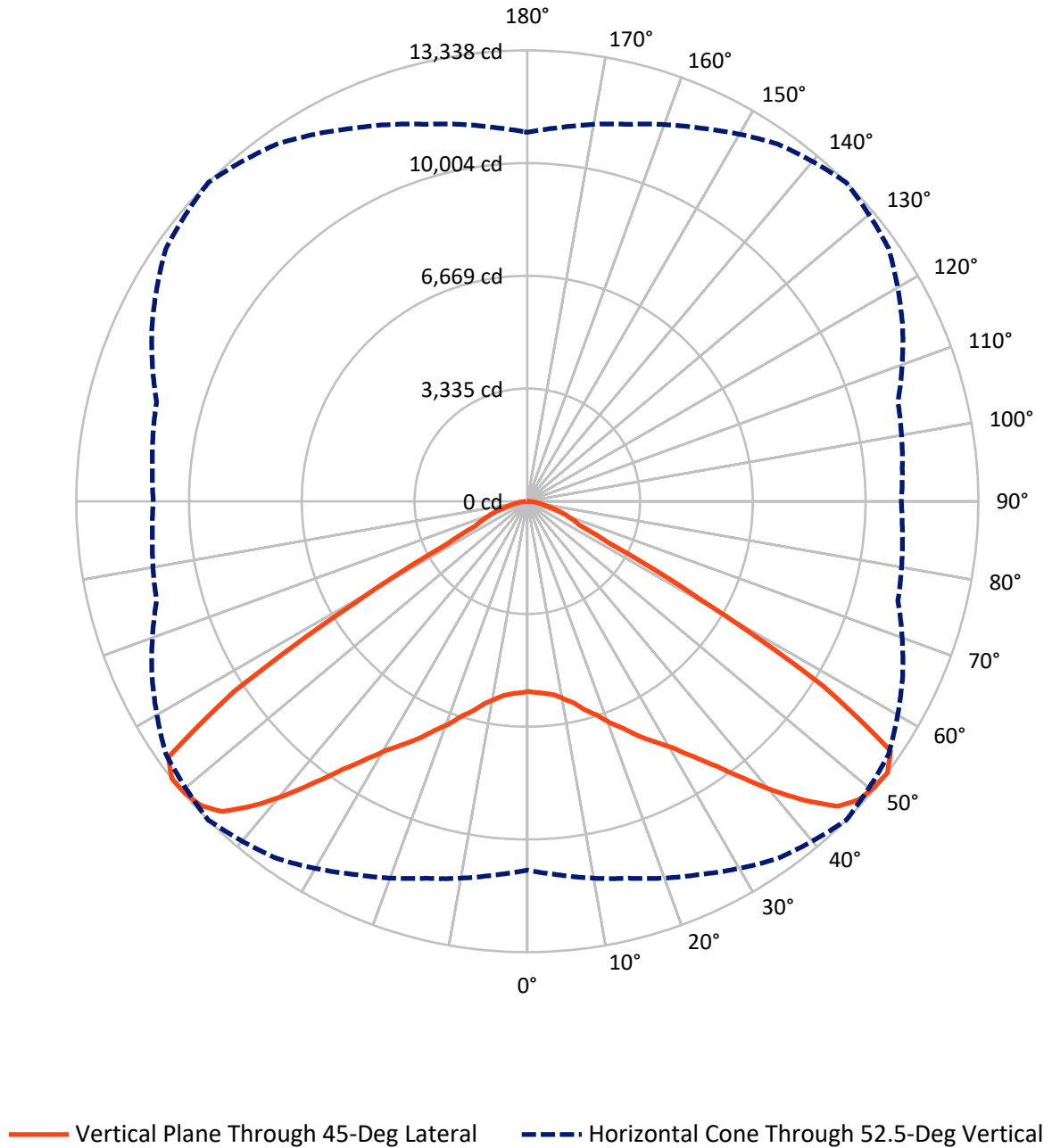
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16836.0	0.0	16836.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16836.0	0.0	16836.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33672.0	0.0	33672.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	553.0	1.6
10°-20°	1817.1	5.4
20°-30°	3459.6	10.3
30°-40°	5940.3	17.6
40°-50°	9130.5	27.1
50°-60°	9271.8	27.5
60°-70°	2583.9	7.7
70°-80°	762.2	2.3
80°-90°	153.5	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°	33672.0	100.0
0°-180°	33672.0	100.0



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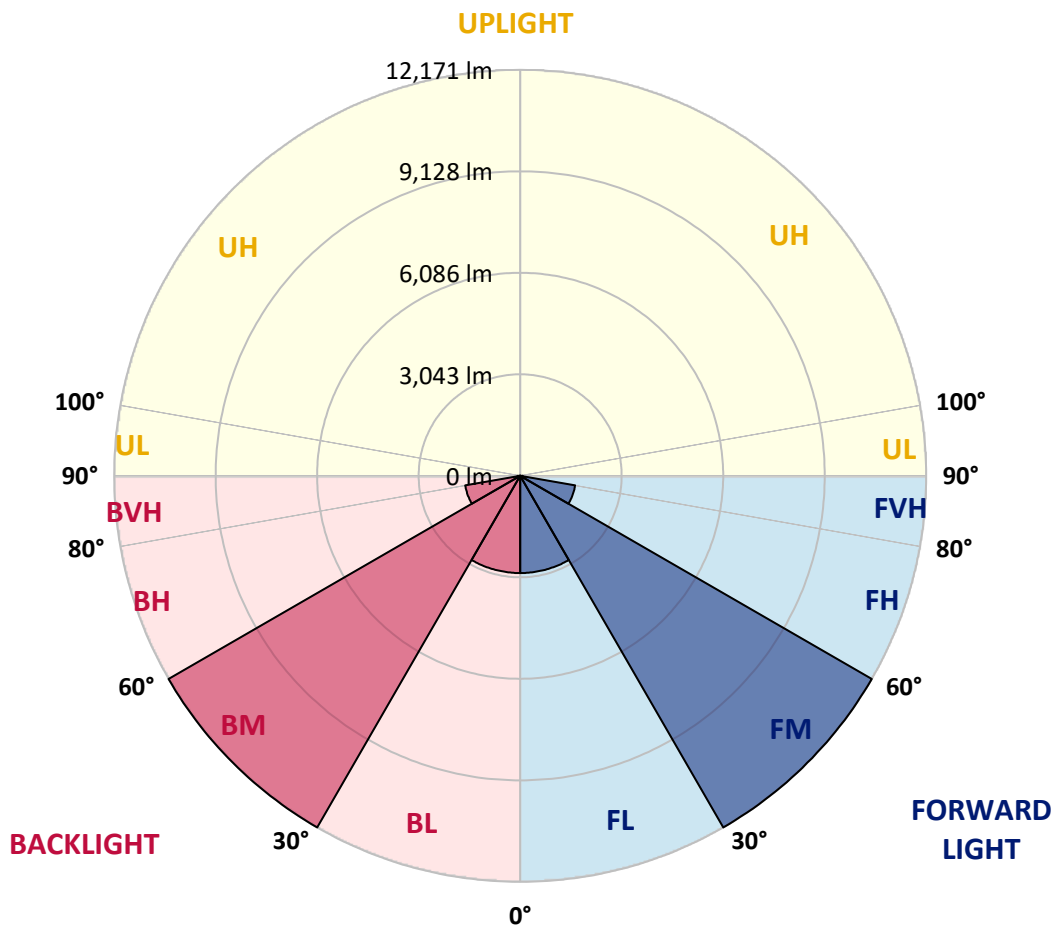
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2914.9	8.7			
FM (30°-60°)	12171.3	36.1			
FH (60°-80°)	1673.1	5.0			G1/1800
FVH (80°-90°)	76.8	0.2			G1/100
BL (0°-30°)	2914.9	8.7	B4/5000		
BM (30°-60°)	12171.3	36.1	B5		
BH (60°-80°)	1673.1	5.0	B3/2500		G1/1800
BVH (80°-90°)	76.8	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°	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7	5628.7
2.5°	5641.3	5582.8	5603.6	5616.2	5670.5	5666.3	5653.8	5670.5	5687.2	5691.4	5683.0
5°	5637.1	5595.3	5612.0	5624.5	5678.9	5708.1	5699.8	5770.8	5820.9	5808.4	5871.1
7.5°	5603.6	5628.7	5607.8	5670.5	5716.5	5787.5	5862.7	5929.6	5992.3	6063.3	6075.8
10°	5678.9	5678.9	5716.5	5766.6	5887.8	5942.1	6050.8	6146.9	6268.1	6351.6	6318.2
12.5°	5758.3	5770.8	5770.8	5900.3	6000.6	6121.8	6222.1	6351.6	6523.0	6623.3	6673.4
15°	5837.7	5846.0	5887.8	6063.3	6213.7	6406.0	6497.9	6614.9	6711.0	6899.0	6903.2
17.5°	5908.7	5954.7	6080.0	6276.4	6464.5	6648.3	6794.6	6915.8	6999.3	7074.6	7057.8
20°	6176.1	6209.6	6339.1	6535.5	6815.5	6995.2	7045.3	7066.2	7120.5	7271.0	7225.0
22.5°	6435.2	6447.7	6568.9	6869.8	7066.2	7304.4	7358.7	7346.2	7367.1	7404.7	7471.5
25°	6702.6	6723.5	6890.7	7145.6	7421.4	7705.5	7751.5	7655.4	7626.1	7667.9	7672.1
27.5°	7045.3	7049.5	7262.6	7484.1	7797.5	8064.9	8135.9	8060.7	7922.8	7956.3	8010.6
30°	7479.9	7450.6	7663.7	7981.3	8311.4	8461.9	8583.1	8545.5	8395.0	8365.8	8319.8
32.5°	7981.3	7989.7	8181.9	8528.7	8746.0	8996.8	9126.3	9063.6	8967.5	8917.4	8946.6
35°	8687.5	8725.1	8854.7	9143.0	9494.0	9619.4	9824.1	9690.4	9439.7	9502.4	9556.7
37.5°	9268.4	9377.0	9619.4	9962.0	10171.0	10400.8	10476.0	10296.3	10112.5	10037.3	10216.9
40°	10158.4	10125.0	10392.4	10735.1	11044.3	11274.2	11178.0	10998.4	10542.9	10547.1	10597.2
42.5°	10923.1	10939.9	11144.6	11554.1	11976.2	12118.3	11813.2	11374.4	10868.8	10814.5	10923.1
45°	11566.7	11633.5	11750.5	12297.9	12711.6	12866.2	12302.1	11784.0	11107.0	10881.4	11061.0
47.5°	11796.5	11905.1	12160.0	12661.5	13071.0	13196.4	12745.1	12001.2	11328.5	10960.7	11056.9
50°	11829.9	11792.3	12210.2	12669.8	13029.2	13300.8	12903.8	12160.0	11274.2	11081.9	11052.7
52.5°	10914.8	11098.6	11545.8	12176.8	12903.8	13338.4	13045.9	12247.8	11349.4	11132.1	11061.0
55°	8833.8	8616.5	9431.3	10492.7	11829.9	13037.6	12995.8	12293.8	11395.3	11215.6	11119.5
57.5°	4930.9	4993.6	5453.2	6606.5	8332.3	10338.1	11554.1	11809.0	11374.4	11270.0	11320.1
60°	2281.6	2302.5	2498.9	3037.9	4107.7	5862.7	7463.2	9088.7	9836.7	9987.1	9987.1
62.5°	1700.7	1692.4	1742.5	1838.6	2064.3	2695.3	3597.9	4889.1	5917.0	6635.8	6823.8
65°	1537.8	1533.6	1558.7	1592.1	1608.8	1696.6	1897.1	2294.1	2628.4	2820.6	2787.2
67.5°	1345.5	1341.4	1349.7	1370.6	1399.9	1445.8	1496.0	1579.6	1696.6	1688.2	1667.3
70°	1086.5	1086.5	1099.0	1115.7	1149.1	1203.5	1262.0	1320.5	1420.8	1441.7	1437.5
72.5°	802.3	789.8	814.8	848.3	881.7	948.6	1011.2	1065.6	1136.6	1157.5	1149.1
75°	509.8	518.2	534.9	572.5	631.0	677.0	743.8	789.8	835.7	852.5	856.6
77.5°	284.2	292.5	321.8	367.7	426.2	476.4	534.9	572.5	601.7	605.9	610.1
80°	171.3	175.5	204.8	246.5	296.7	351.0	397.0	434.6	459.7	447.1	442.9
82.5°	104.5	108.6	133.7	171.3	213.1	254.9	305.0	338.5	363.5	346.8	330.1
85°	54.3	58.5	79.4	104.5	137.9	158.8	158.8	142.1	137.9	129.5	125.4
87.5°	16.7	16.7	20.9	25.1	20.9	25.1	29.3	33.4	33.4	37.6	33.4
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)