

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: P532877

Luminaire Tested: **GALN-SA8B-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532877  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
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-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29404 lumens  
Efficiency: N/A  
Efficacy: 90.5 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

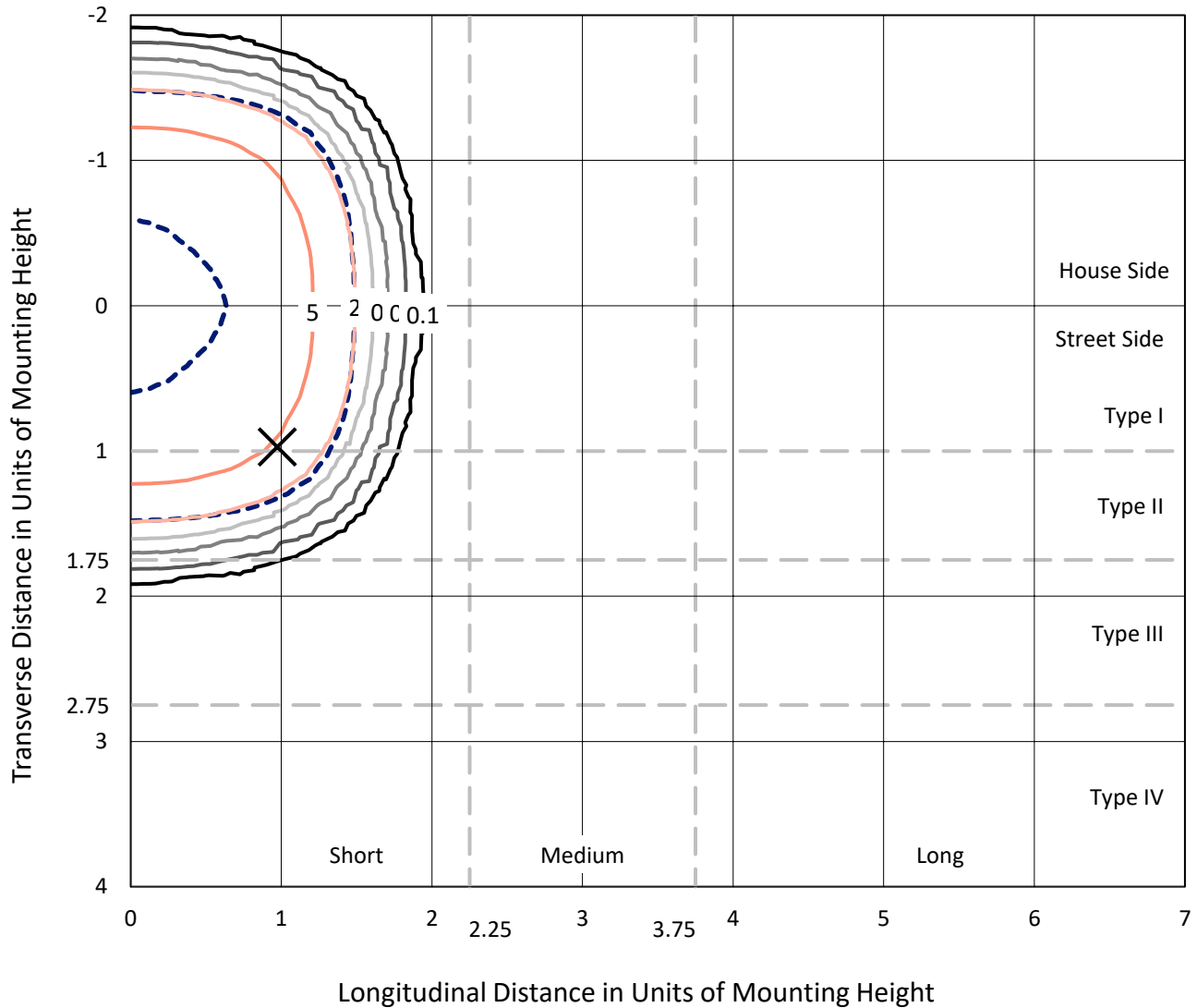
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

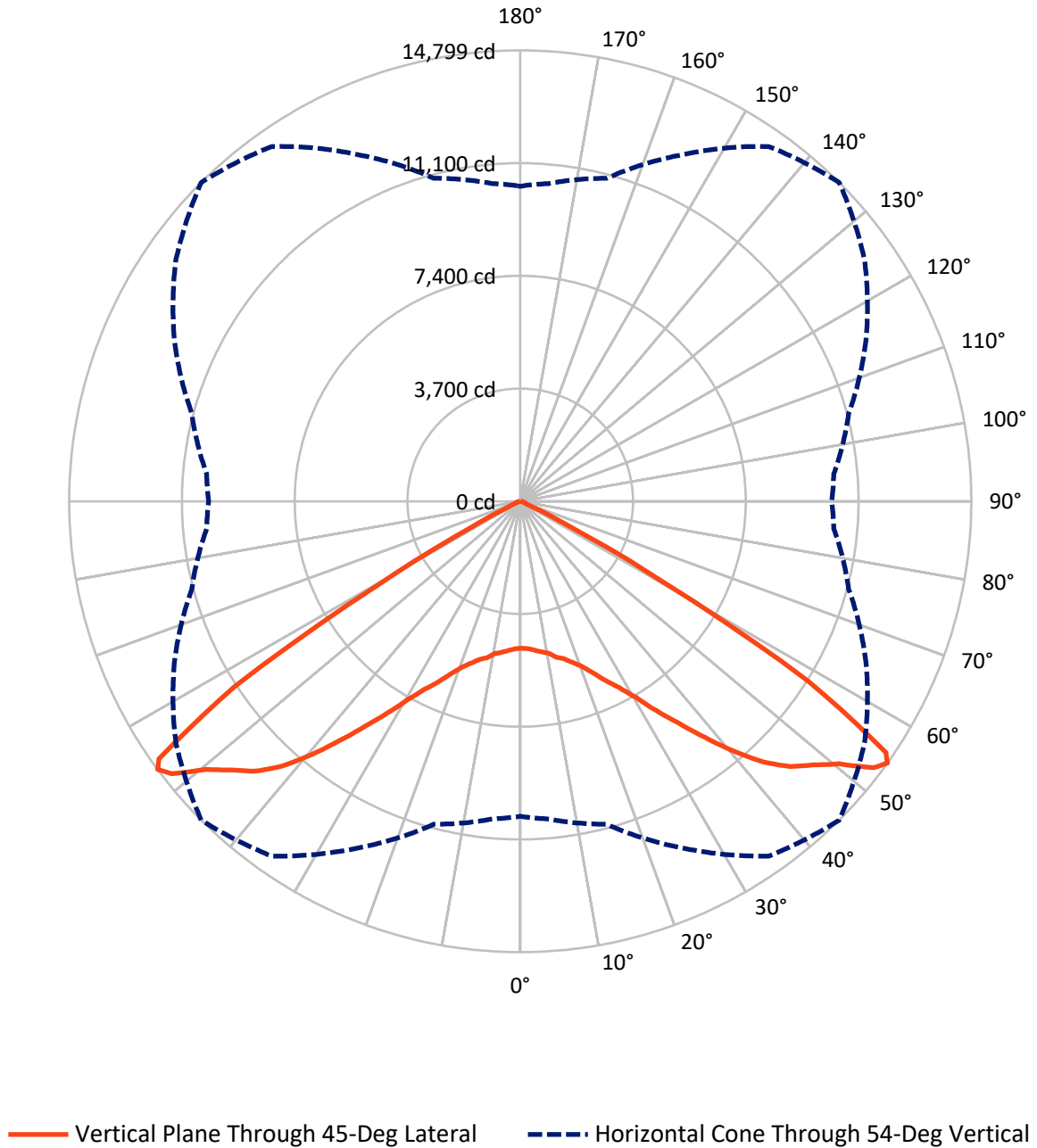
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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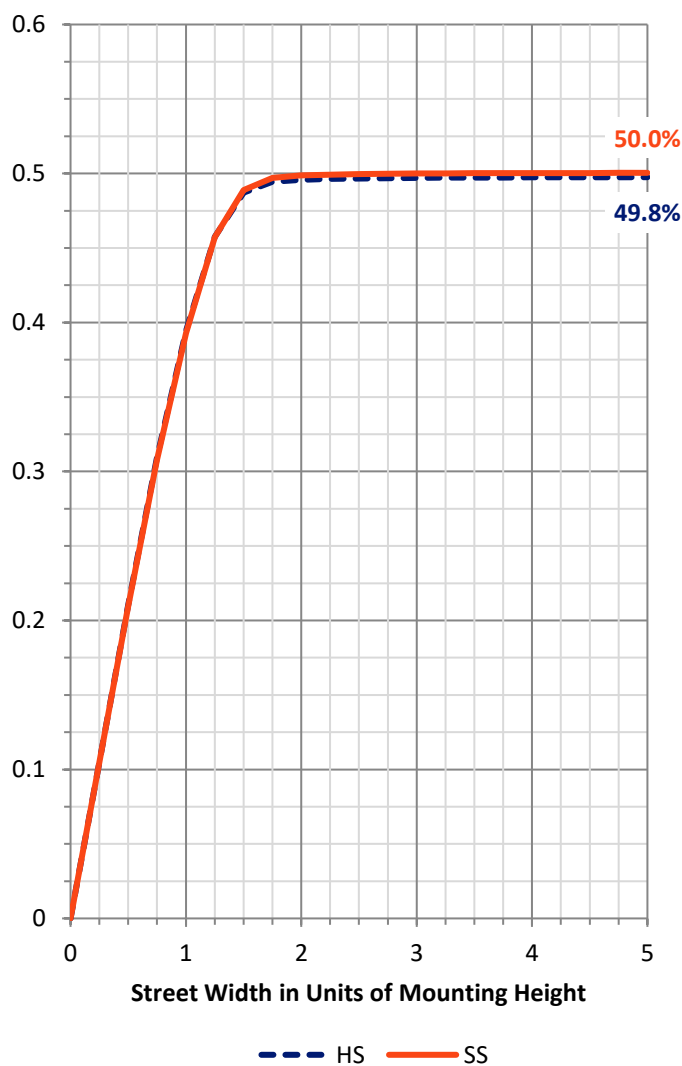
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14702.0	0.0	14702.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14702.0	0.0	14702.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29404.0	0.0	29404.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	471.9	1.6
10°-20°	1528.2	5.2
20°-30°	2995.1	10.2
30°-40°	5385.9	18.3
40°-50°	9219.6	31.4
50°-60°	8920.8	30.3
60°-70°	763.6	2.6
70°-80°	90.5	0.3
80°-90°	28.4	0.1
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°	29404.0	100.0
0°-180°	29404.0	100.0

**Coefficient of Utilization**



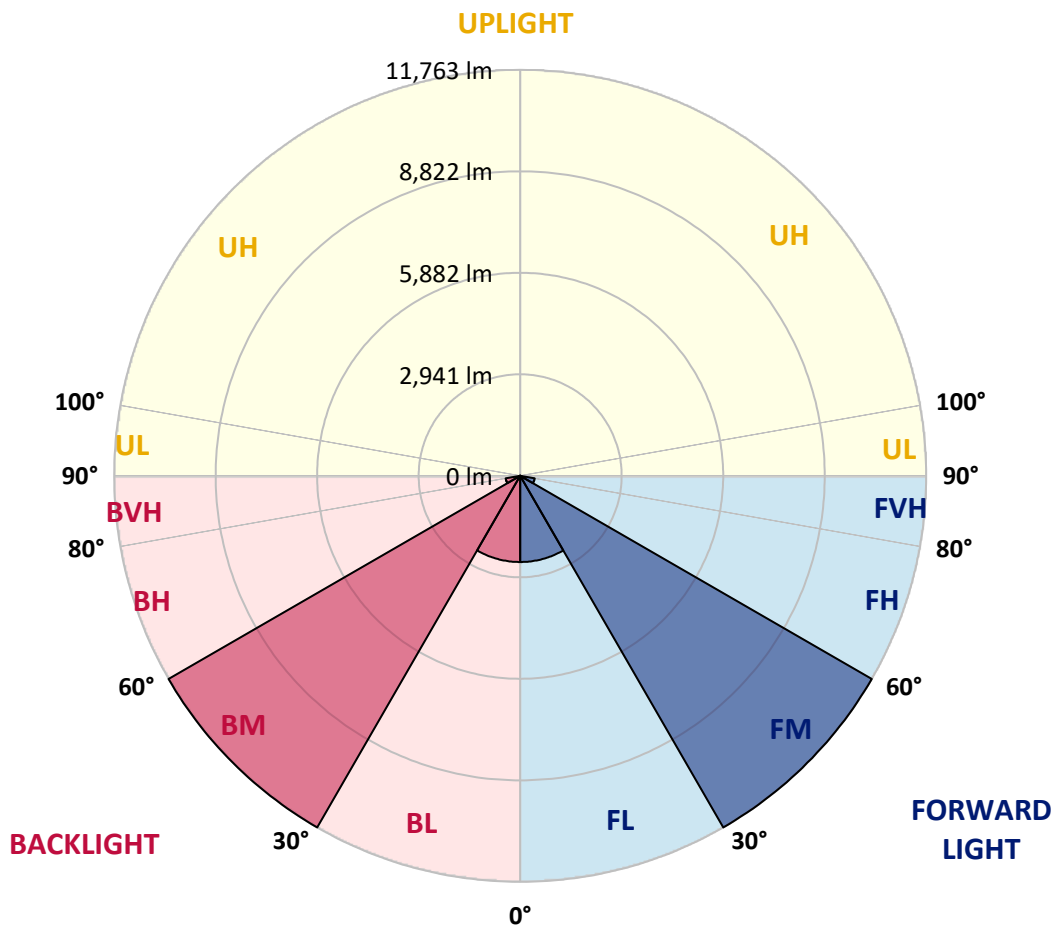
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2497.6	8.5			
FM (30°-60°)	11763.1	40.0			
FH (60°-80°)	427.1	1.5			G0/660
FVH (80°-90°)	14.2	0.0			G1/100
BL (0°-30°)	2497.6	8.5	B3/2500		
BM (30°-60°)	11763.1	40.0	B5		
BH (60°-80°)	427.1	1.5	B1/500		G0/660
BVH (80°-90°)	14.2	0.0			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°	4821.3	4821.3	4821.3	4821.3	4821.3	4821.3	4821.3	4821.3	4821.3	4821.3	4821.3
2.5°	4844.6	4872.6	4853.9	4867.9	4867.9	4844.6	4858.6	4802.7	4840.0	4812.0	4816.7
5°	4919.2	4914.5	4914.5	4919.2	4900.5	4909.8	4891.2	4872.6	4858.6	4840.0	4895.9
7.5°	5012.3	5012.3	4979.7	4989.0	4979.7	4993.7	4956.4	4919.2	4905.2	4891.2	4881.9
10°	5100.8	5091.5	5077.5	5119.5	5086.9	5068.2	5049.6	5026.3	4975.1	4956.4	4937.8
12.5°	5231.3	5226.6	5208.0	5249.9	5231.3	5249.9	5180.0	5119.5	5110.2	5049.6	5082.2
15°	5385.0	5426.9	5394.3	5394.3	5385.0	5361.7	5333.8	5305.8	5222.0	5198.7	5203.3
17.5°	5585.3	5571.3	5576.0	5576.0	5622.6	5562.0	5506.1	5436.2	5394.3	5380.3	5333.8
20°	5776.3	5794.9	5790.3	5822.9	5850.8	5785.6	5725.0	5715.7	5599.3	5617.9	5552.7
22.5°	6111.7	6097.7	6121.0	6144.3	6125.7	6116.3	6060.4	5990.6	5888.1	5841.5	5832.2
25°	6465.7	6442.4	6400.5	6456.4	6484.4	6526.3	6419.1	6381.9	6223.5	6153.6	6158.3
27.5°	6768.5	6801.1	6847.7	6871.0	6940.9	6926.9	6852.4	6731.2	6610.1	6530.9	6479.7
30°	7183.1	7201.7	7280.9	7313.5	7434.6	7467.3	7350.8	7211.0	6996.8	6894.3	6833.7
32.5°	7565.1	7695.5	7690.9	7853.9	8049.5	8184.6	7975.0	7760.7	7546.4	7425.3	7318.2
35°	8184.6	8161.3	8296.4	8468.8	8785.6	8939.3	8711.0	8464.1	8138.0	7942.4	7858.6
37.5°	8762.3	8771.6	8953.3	9228.1	9591.4	9829.0	9628.7	9223.4	8888.0	8636.5	8520.0
40°	9600.8	9619.4	9805.7	10117.8	10527.8	10784.0	10551.0	10141.1	9693.9	9498.3	9498.3
42.5°	10583.7	10662.8	10784.0	11054.1	11422.2	11706.3	11496.7	11175.3	10723.4	10471.9	10509.1
45°	11594.5	11631.8	11711.0	12111.6	12283.9	12423.7	12228.0	12079.0	11776.2	11468.7	11417.5
47.5°	12540.1	12554.1	12787.0	12912.8	13047.9	12931.4	13057.2	12861.6	12521.5	12223.4	12162.8
50°	12959.4	12936.1	13266.8	13648.8	13751.3	13546.3	13439.2	13308.8	12791.7	12433.0	12274.6
52.5°	11738.9	11874.0	12488.9	13551.0	14352.2	14524.6	13900.4	13299.4	12335.2	11636.4	11529.3
54°	10341.4	10467.2	10975.0	12549.5	14217.1	14799.4	13793.2	12516.9	11156.6	10327.4	10220.3
55°	8957.9	8818.2	9740.5	11347.6	13583.6	14557.2	13369.3	11506.0	9950.1	9190.8	9041.8
57.5°	4849.3	4872.6	5650.5	7169.1	9544.9	11161.3	9857.0	7784.0	5878.8	5026.3	4951.8
60°	1537.2	1574.5	1914.6	2897.5	4560.5	5445.6	4667.6	3125.7	2161.5	1732.9	1663.0
62.5°	479.8	498.4	545.0	810.5	1248.4	1784.1	1397.5	838.5	624.2	573.0	582.3
65°	293.5	293.5	298.1	316.8	372.7	433.2	419.2	368.0	354.0	344.7	340.1
67.5°	191.0	186.3	195.6	209.6	218.9	223.6	237.6	251.5	246.9	237.6	237.6
70°	116.5	111.8	121.1	139.7	144.4	153.7	167.7	186.3	181.7	172.4	177.0
72.5°	65.2	65.2	69.9	83.8	97.8	107.1	121.1	135.1	139.7	135.1	135.1
75°	23.3	27.9	37.3	51.2	60.6	74.5	88.5	102.5	116.5	107.1	102.5
77.5°	9.3	9.3	18.6	32.6	46.6	60.6	83.8	97.8	107.1	97.8	88.5
80°	4.7	4.7	14.0	27.9	41.9	55.9	69.9	83.8	88.5	79.2	69.9
82.5°	4.7	4.7	14.0	27.9	41.9	51.2	74.5	83.8	93.2	83.8	69.9
85°	0.0	4.7	14.0	27.9	37.3	41.9	41.9	27.9	23.3	14.0	14.0
87.5°	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)