

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: P530772

Luminaire Tested: **GALN-SA6A-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530772  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6A-735-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22754 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

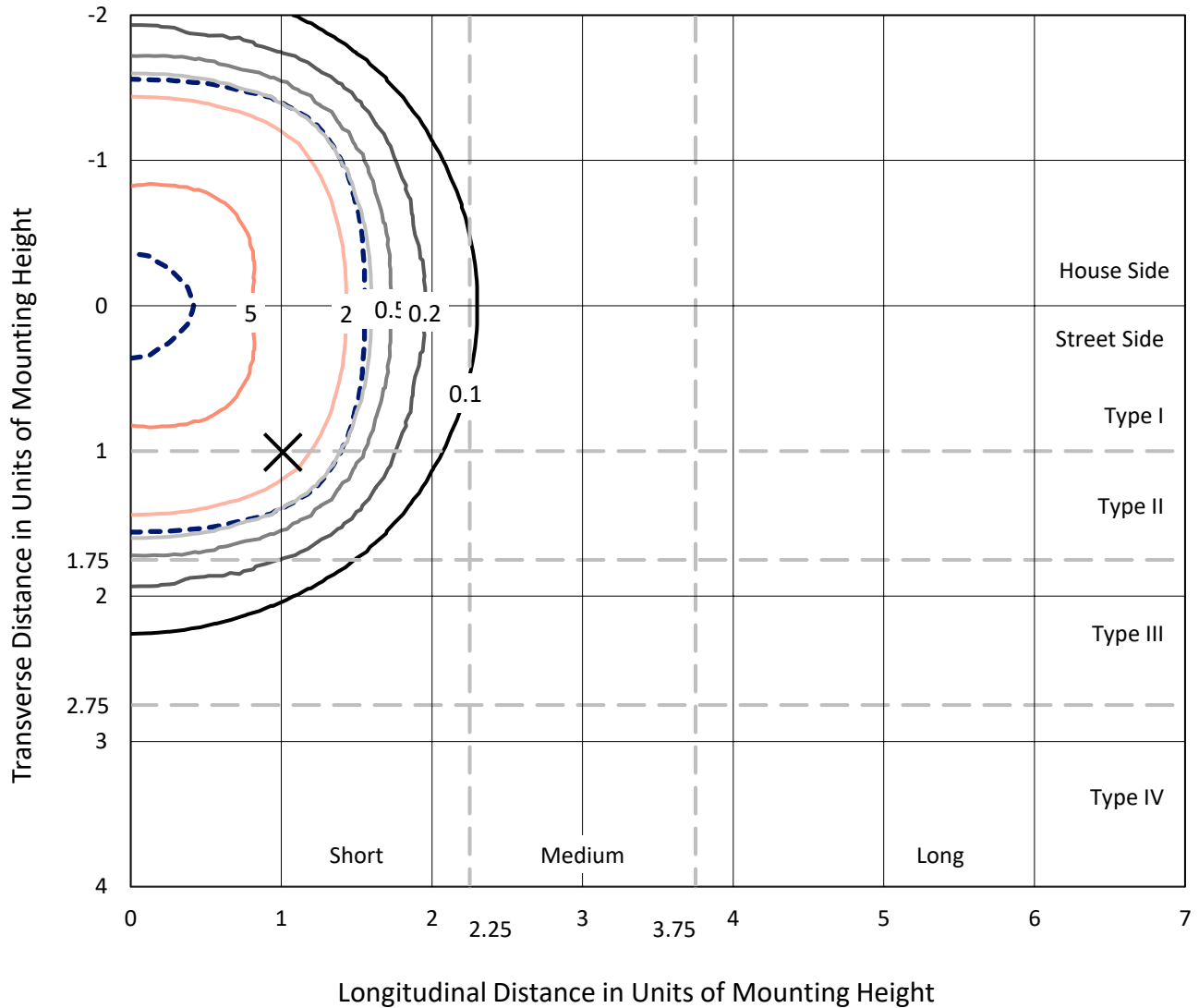
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

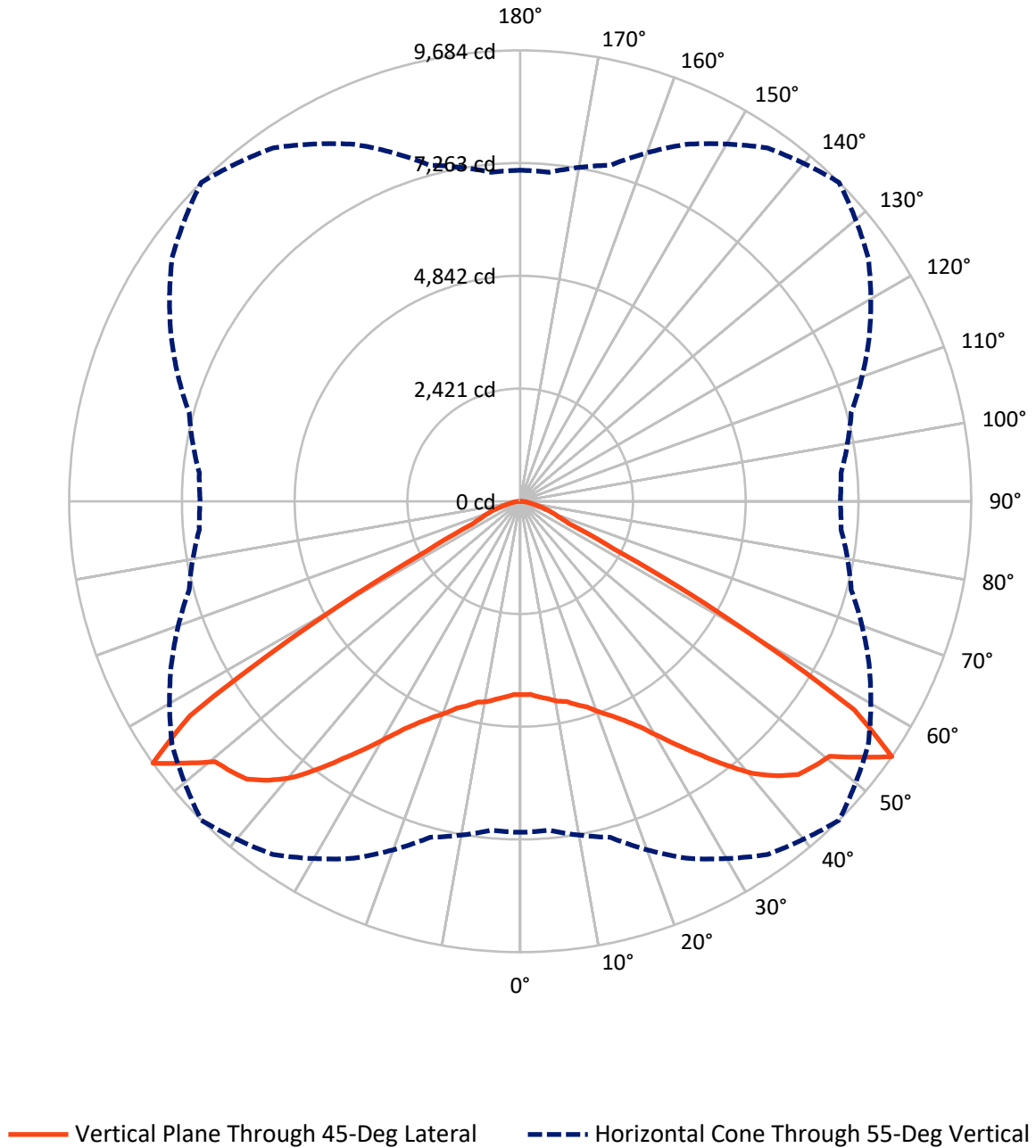
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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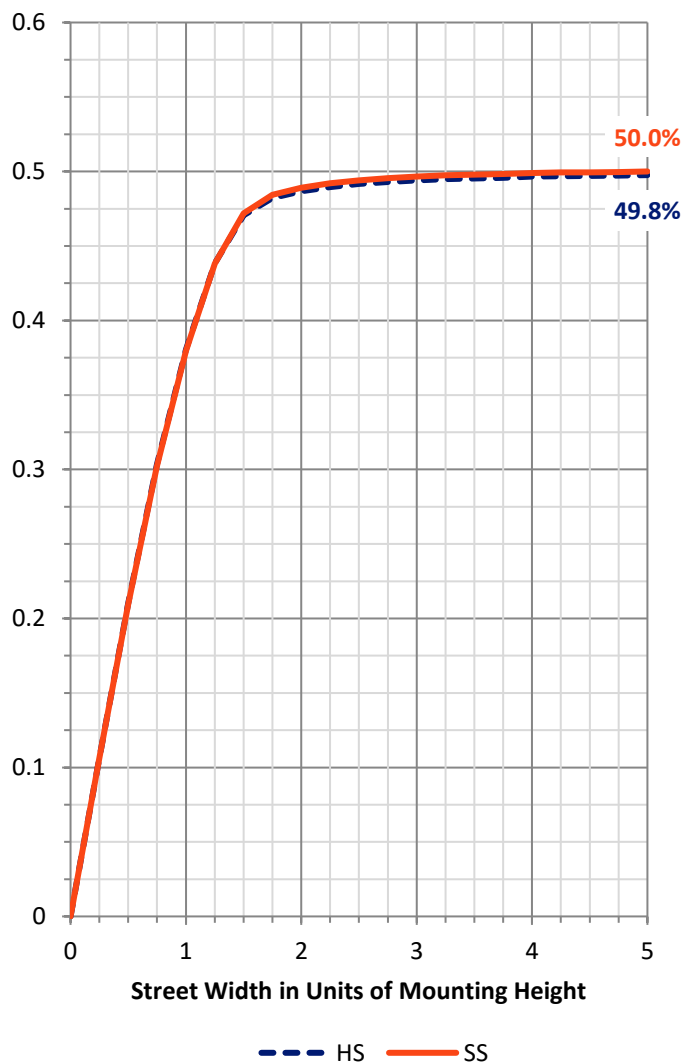
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11377.0	0.0	11377.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11377.0	0.0	11377.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22754.0	0.0	22754.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.9	1.8
10°-20°	1286.0	5.7
20°-30°	2397.9	10.5
30°-40°	4014.9	17.6
40°-50°	6247.5	27.5
50°-60°	6486.9	28.5
60°-70°	1375.7	6.0
70°-80°	453.1	2.0
80°-90°	86.3	0.4
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°	22754.0	100.0
0°-180°	22754.0	100.0

**Coefficient of Utilization**



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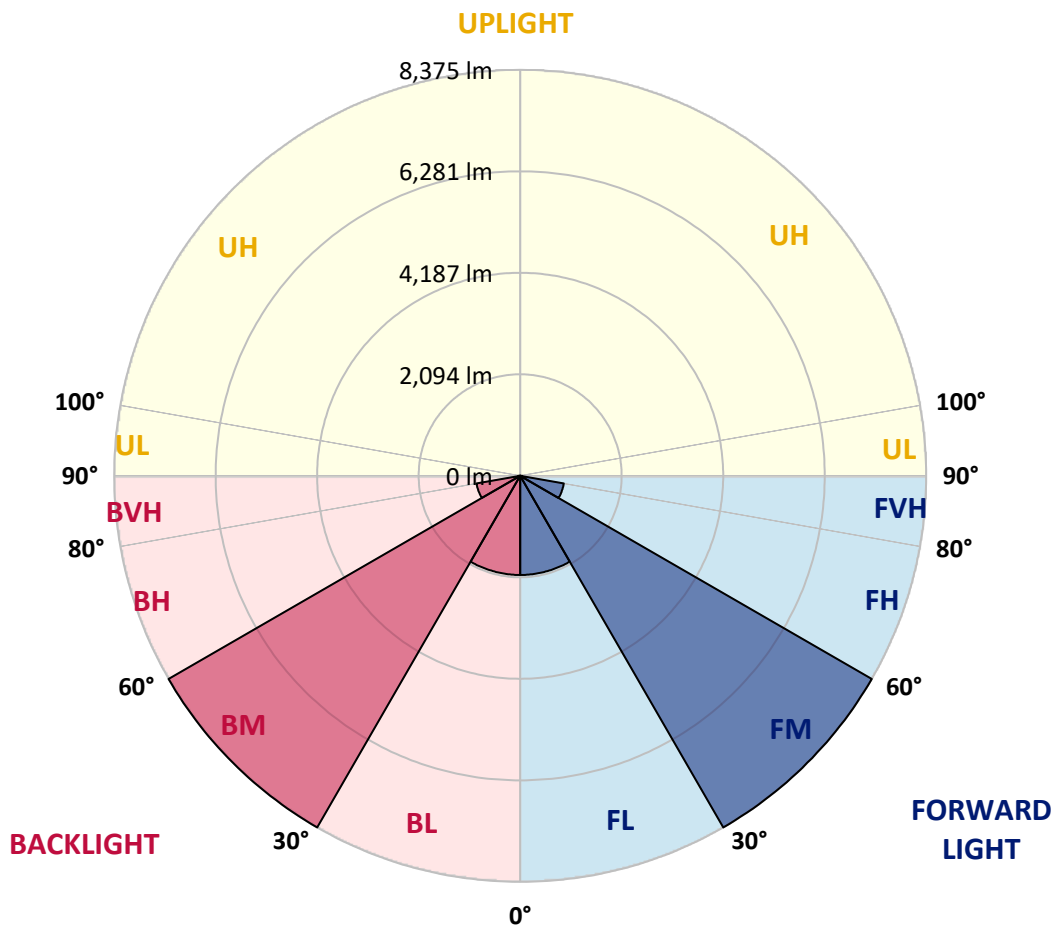
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2044.9	9.0			
FM (30°-60°)	8374.6	36.8			
FH (60°-80°)	914.4	4.0			G1/1800
FVH (80°-90°)	43.1	0.2			G1/100
BL (0°-30°)	2044.9	9.0	B3/2500		
BM (30°-60°)	8374.6	36.8	B4/8500		
BH (60°-80°)	914.4	4.0	B2/1000		G1/1800
BVH (80°-90°)	43.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5	4154.5
2.5°	4204.0	4184.8	4151.8	4176.5	4195.8	4154.5	4171.0	4179.3	4173.8	4151.8	4160.0
5°	4264.5	4253.5	4226.0	4245.3	4220.5	4220.5	4204.0	4182.0	4215.0	4209.5	4223.3
7.5°	4264.5	4250.8	4305.8	4270.0	4281.0	4281.0	4253.5	4231.5	4248.0	4223.3	4209.5
10°	4349.8	4369.0	4344.3	4352.5	4347.0	4366.3	4325.0	4311.3	4297.5	4289.3	4272.8
12.5°	4451.5	4437.7	4446.0	4440.5	4459.7	4410.2	4385.5	4355.3	4380.0	4344.3	4369.0
15°	4534.0	4525.7	4534.0	4556.0	4536.7	4534.0	4490.0	4459.7	4421.2	4429.5	4391.0
17.5°	4646.7	4638.5	4641.2	4660.5	4657.7	4644.0	4611.0	4553.2	4539.5	4517.5	4492.7
20°	4814.4	4800.7	4795.2	4803.4	4817.2	4828.2	4762.2	4740.2	4693.4	4657.7	4616.5
22.5°	4957.4	4951.9	4973.9	4938.2	4968.4	5001.4	4938.2	4927.2	4811.7	4792.4	4748.4
25°	5155.4	5147.1	5133.4	5185.6	5221.4	5218.6	5158.1	5097.6	5009.6	4987.6	4987.6
27.5°	5364.3	5317.6	5389.1	5402.8	5466.1	5485.3	5433.1	5345.1	5262.6	5215.9	5226.9
30°	5625.5	5581.5	5598.0	5697.0	5779.5	5851.0	5719.0	5589.8	5474.3	5391.8	5378.1
32.5°	5886.7	5842.8	5892.2	5988.5	6153.4	6260.7	6131.5	5906.0	5771.3	5650.3	5675.0
35°	6098.5	6131.5	6211.2	6356.9	6527.4	6700.6	6494.4	6321.2	6128.7	5994.0	6013.2
37.5°	6439.4	6541.1	6604.4	6772.1	7014.1	7192.8	6978.3	6752.8	6546.6	6370.7	6310.2
40°	6884.8	6953.6	7025.1	7223.0	7509.0	7687.7	7484.2	7190.0	6986.6	6805.1	6796.8
42.5°	7374.2	7440.2	7514.5	7756.4	7926.9	8061.6	7874.7	7717.9	7492.5	7349.5	7341.2
45°	7943.4	7896.7	7979.1	8138.6	8281.6	8369.6	8248.6	8171.6	8009.4	7877.4	7863.7
47.5°	8322.8	8281.6	8430.1	8573.0	8595.0	8498.8	8523.5	8595.0	8424.6	8207.3	8276.1
50°	8542.8	8542.8	8641.8	8773.8	8732.5	8608.8	8804.0	8809.5	8639.0	8446.6	8446.6
52.5°	8160.6	8245.8	8526.3	8958.0	9095.4	9131.2	9087.2	8900.2	8454.8	8061.6	8042.4
55°	7110.3	7091.0	7470.5	8460.3	9260.4	9683.8	9122.9	8262.3	7357.7	6915.1	6871.1
57.5°	4624.7	4646.7	5213.1	6222.2	7665.7	8454.8	7509.0	6299.2	5213.1	4602.7	4660.5
60°	2081.4	2155.6	2499.3	3252.7	4492.7	5136.1	4503.7	3417.7	2623.1	2276.6	2306.9
62.5°	1196.0	1209.8	1223.5	1451.8	1913.7	2262.9	1987.9	1534.2	1352.8	1292.3	1292.3
65°	1009.1	1000.8	1003.6	1022.8	1072.3	1143.8	1113.6	1072.3	1077.8	1072.3	1064.1
67.5°	857.9	868.9	860.6	874.4	877.1	888.1	907.3	923.8	926.6	932.1	926.6
70°	703.9	706.6	712.1	723.1	725.9	734.1	761.6	775.4	783.6	783.6	794.6
72.5°	538.9	536.2	541.7	552.7	566.4	569.2	593.9	613.1	624.1	610.4	613.1
75°	354.7	357.4	365.7	373.9	393.2	412.4	420.7	439.9	442.7	448.2	434.4
77.5°	211.7	217.2	225.5	242.0	258.5	275.0	294.2	307.9	313.4	307.9	291.5
80°	137.5	137.5	148.5	162.2	181.5	195.2	206.2	217.2	225.5	217.2	211.7
82.5°	85.2	85.2	99.0	115.5	129.2	137.5	154.0	167.7	176.0	170.5	162.2
85°	44.0	46.7	57.7	71.5	82.5	88.0	85.2	77.0	68.7	66.0	60.5
87.5°	13.7	13.7	16.5	16.5	13.7	13.7	16.5	13.7	16.5	16.5	16.5
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)