

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: P530953

Luminaire Tested: **GALN-SA6B-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530953  
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-SA6B-727-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 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: 19386 lumens  
Efficiency: N/A  
Efficacy: 79.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

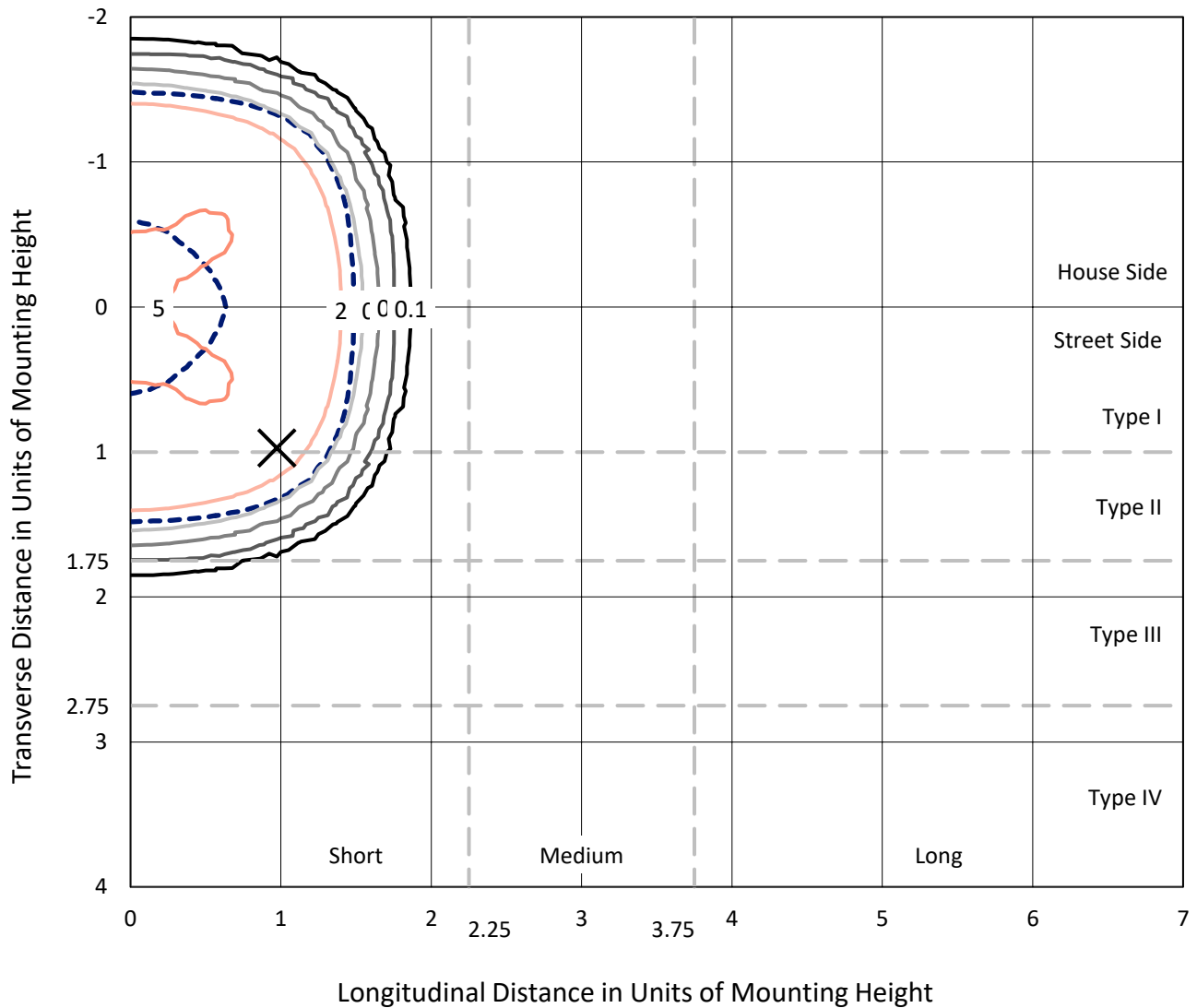
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

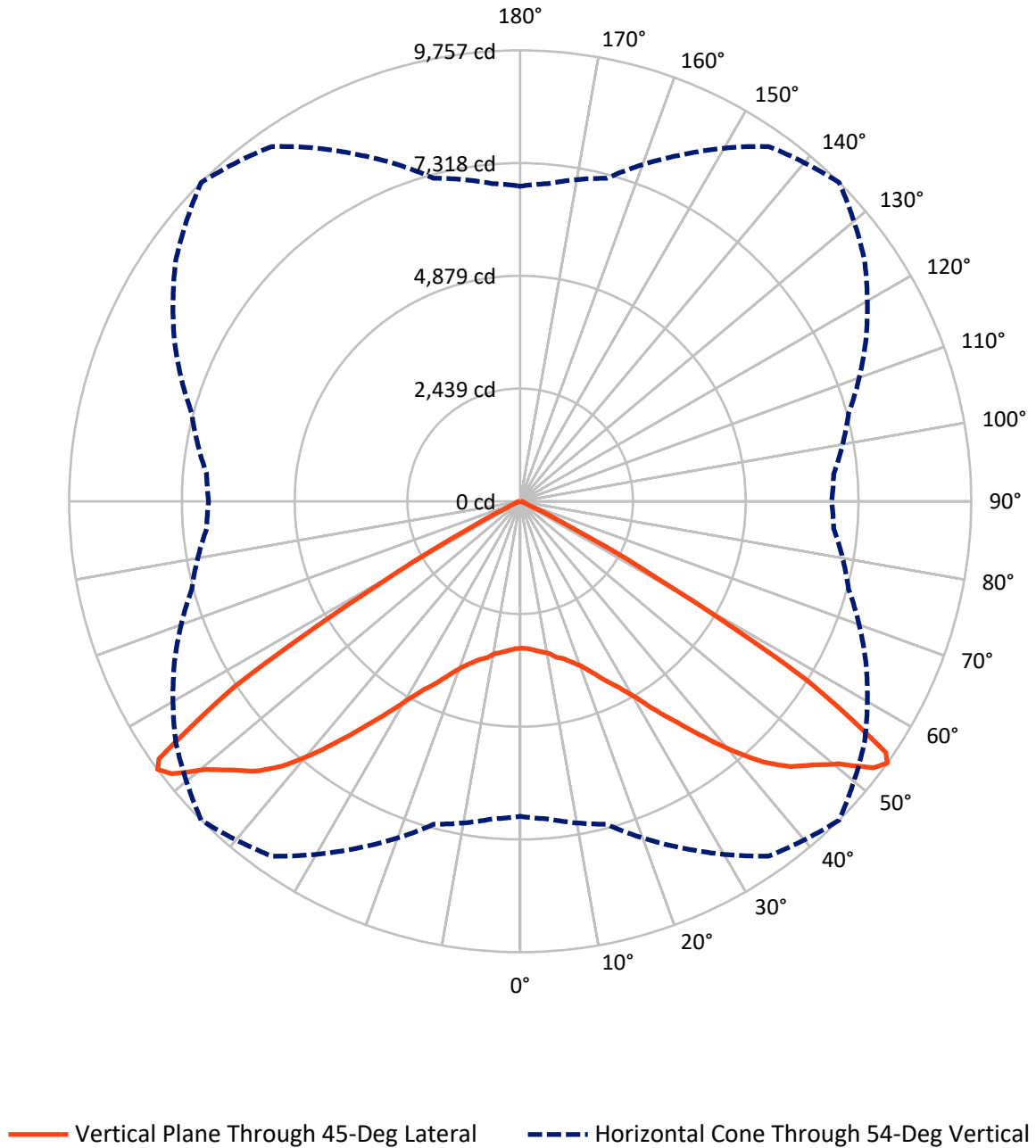
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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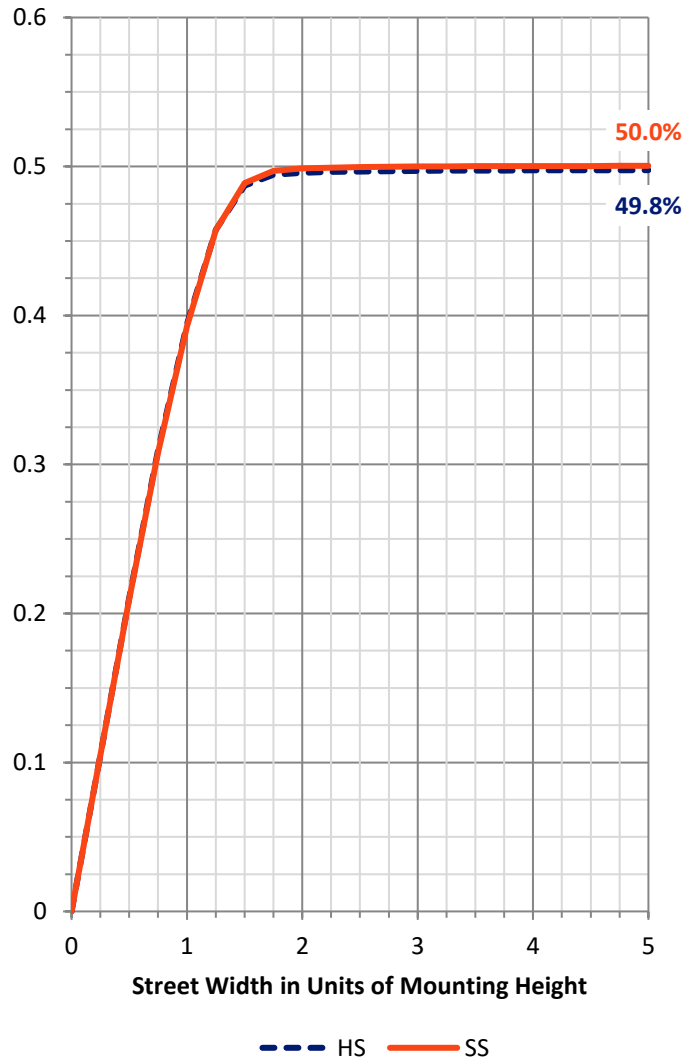
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9693.0	0.0	9693.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9693.0	0.0	9693.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19386.0	0.0	19386.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.1	1.6
10°-20°	1007.5	5.2
20°-30°	1974.7	10.2
30°-40°	3550.9	18.3
40°-50°	6078.4	31.4
50°-60°	5881.5	30.3
60°-70°	503.5	2.6
70°-80°	59.7	0.3
80°-90°	18.7	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°	19386.0	100.0
0°-180°	19386.0	100.0



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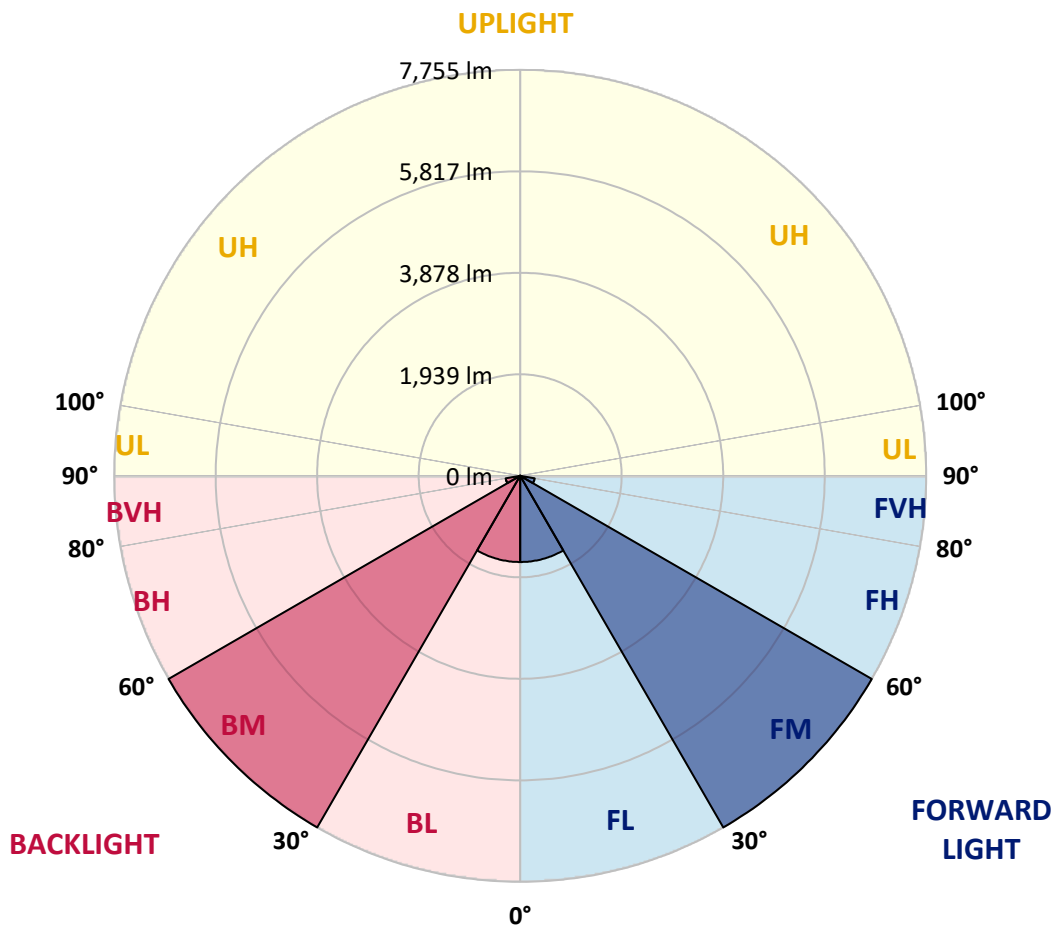
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1646.7	8.5			
FM (30°-60°)	7755.4	40.0			
FH (60°-80°)	281.6	1.5			G0/660
FVH (80°-90°)	9.4	0.0			G0/10
BL (0°-30°)	1646.7	8.5	B3/2500		
BM (30°-60°)	7755.4	40.0	B4/8500		
BH (60°-80°)	281.6	1.5	B1/500		G0/660
BVH (80°-90°)	9.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3178.7	3178.7	3178.7	3178.7	3178.7	3178.7	3178.7	3178.7	3178.7	3178.7	3178.7
2.5°	3194.1	3212.5	3200.2	3209.4	3209.4	3194.1	3203.3	3166.4	3191.0	3172.6	3175.6
5°	3243.2	3240.1	3240.1	3243.2	3230.9	3237.1	3224.8	3212.5	3203.3	3191.0	3227.8
7.5°	3304.6	3304.6	3283.1	3289.3	3283.1	3292.3	3267.8	3243.2	3234.0	3224.8	3218.6
10°	3363.0	3356.8	3347.6	3375.3	3353.8	3341.5	3329.2	3313.8	3280.0	3267.8	3255.5
12.5°	3449.0	3445.9	3433.6	3461.3	3449.0	3461.3	3415.2	3375.3	3369.1	3329.2	3350.7
15°	3550.3	3578.0	3556.5	3556.5	3550.3	3535.0	3516.5	3498.1	3442.8	3427.5	3430.5
17.5°	3682.4	3673.2	3676.2	3676.2	3706.9	3667.0	3630.2	3584.1	3556.5	3547.2	3516.5
20°	3808.3	3820.6	3817.5	3839.0	3857.4	3814.4	3774.5	3768.4	3691.6	3703.9	3660.9
22.5°	4029.4	4020.2	4035.6	4050.9	4038.6	4032.5	3995.6	3949.6	3882.0	3851.3	3845.2
25°	4262.8	4247.5	4219.8	4256.7	4275.1	4302.8	4232.1	4207.6	4103.1	4057.1	4060.1
27.5°	4462.5	4484.0	4514.7	4530.0	4576.1	4566.9	4517.7	4437.9	4358.0	4305.8	4272.0
30°	4735.8	4748.1	4800.3	4821.8	4901.6	4923.1	4846.4	4754.2	4613.0	4545.4	4505.5
32.5°	4987.6	5073.6	5070.6	5178.1	5307.0	5396.1	5257.9	5116.6	4975.4	4895.5	4824.9
35°	5396.1	5380.8	5469.8	5583.5	5792.3	5893.6	5743.2	5580.4	5365.4	5236.4	5181.1
37.5°	5776.9	5783.1	5902.9	6084.1	6323.6	6480.2	6348.2	6081.0	5859.9	5694.0	5617.2
40°	6329.8	6342.0	6464.9	6670.7	6940.9	7109.8	6956.3	6686.0	6391.2	6262.2	6262.2
42.5°	6977.8	7030.0	7109.8	7288.0	7530.6	7717.9	7579.7	7367.8	7069.9	6904.1	6928.6
45°	7644.2	7668.8	7721.0	7985.1	8098.8	8190.9	8061.9	7963.6	7764.0	7561.3	7527.5
47.5°	8267.7	8276.9	8430.5	8513.4	8602.5	8525.7	8608.6	8479.6	8255.4	8058.8	8018.9
50°	8544.1	8528.7	8746.8	8998.6	9066.2	8931.1	8860.4	8774.4	8433.5	8197.1	8092.6
52.5°	7739.4	7828.5	8233.9	8934.1	9462.4	9576.0	9164.5	8768.3	8132.6	7671.9	7601.2
54°	6818.1	6901.0	7235.8	8273.8	9373.3	9757.2	9093.8	8252.3	7355.5	6808.9	6738.2
55°	5905.9	5813.8	6421.9	7481.5	8955.6	9597.5	8814.4	7585.9	6560.1	6059.5	5961.2
57.5°	3197.1	3212.5	3725.4	4726.6	6292.9	7358.6	6498.7	5132.0	3875.9	3313.8	3264.7
60°	1013.5	1038.1	1262.3	1910.3	3006.7	3590.2	3077.4	2060.8	1425.0	1142.5	1096.4
62.5°	316.3	328.6	359.3	534.4	823.1	1176.3	921.4	552.8	411.5	377.8	383.9
65°	193.5	193.5	196.6	208.8	245.7	285.6	276.4	242.6	233.4	227.3	224.2
67.5°	125.9	122.8	129.0	138.2	144.3	147.4	156.6	165.8	162.8	156.6	156.6
70°	76.8	73.7	79.9	92.1	95.2	101.3	110.6	122.8	119.8	113.6	116.7
72.5°	43.0	43.0	46.1	55.3	64.5	70.6	79.9	89.1	92.1	89.1	89.1
75°	15.4	18.4	24.6	33.8	39.9	49.1	58.4	67.6	76.8	70.6	67.6
77.5°	6.1	6.1	12.3	21.5	30.7	39.9	55.3	64.5	70.6	64.5	58.4
80°	3.1	3.1	9.2	18.4	27.6	36.9	46.1	55.3	58.4	52.2	46.1
82.5°	3.1	3.1	9.2	18.4	27.6	33.8	49.1	55.3	61.4	55.3	46.1
85°	0.0	3.1	9.2	18.4	24.6	27.6	27.6	18.4	15.4	9.2	9.2
87.5°	0.0	0.0	3.1	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)