

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: P531187

Luminaire Tested: **GALN-SA6C-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531187  
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-SA6C-727-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 1050mA 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: 23951 lumens  
Efficiency: N/A  
Efficacy: 74.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

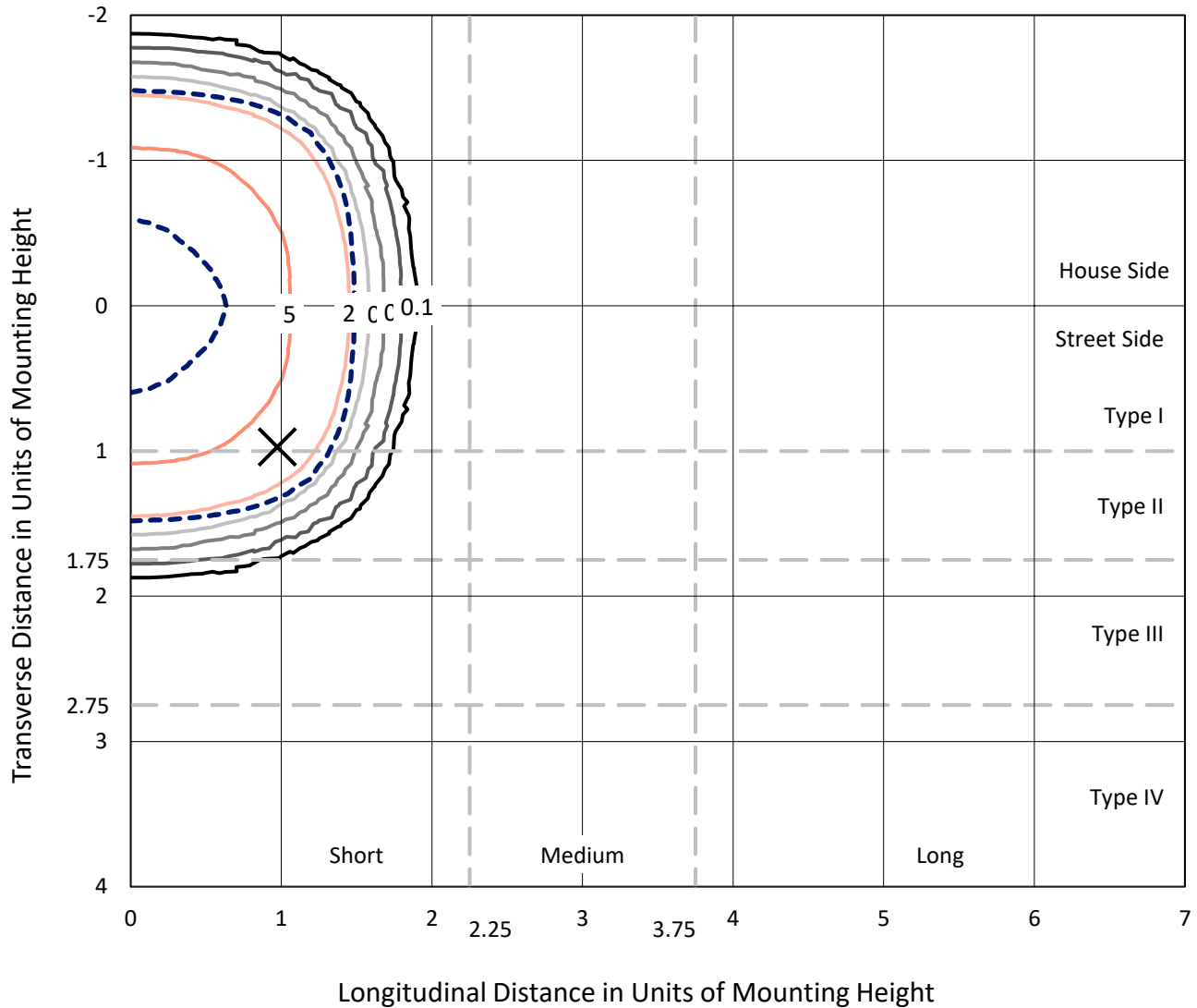
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

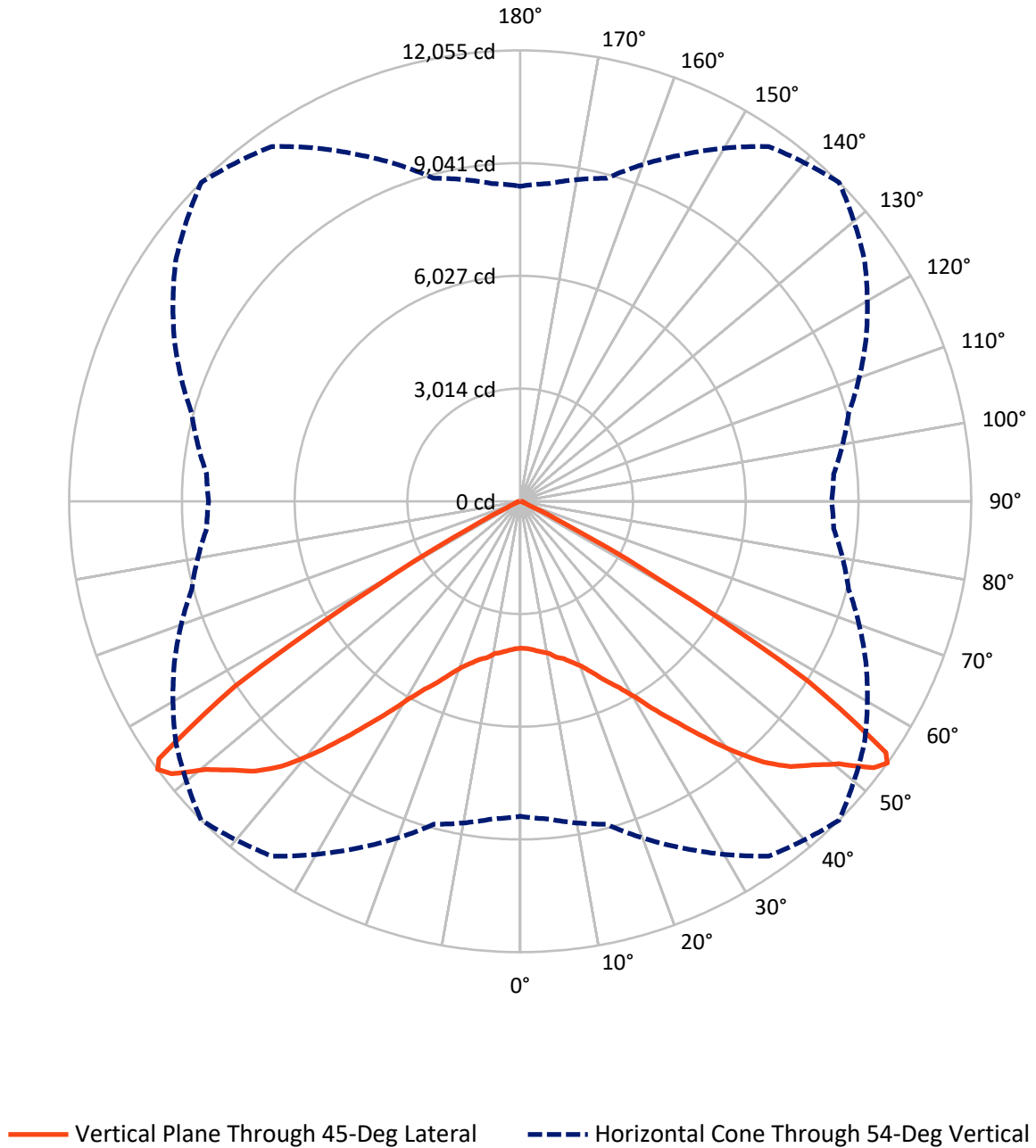
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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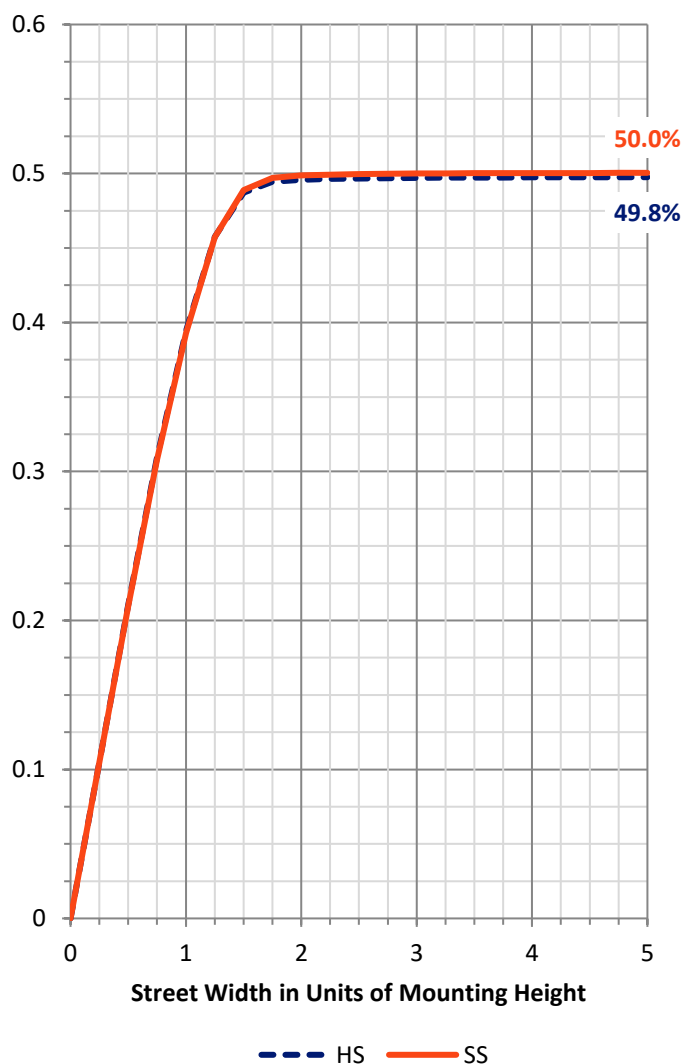
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11975.5	0.0	11975.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11975.5	0.0	11975.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23951.0	0.0	23951.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.4	1.6
10°-20°	1244.8	5.2
20°-30°	2439.7	10.2
30°-40°	4387.1	18.3
40°-50°	7509.8	31.4
50°-60°	7266.4	30.3
60°-70°	622.0	2.6
70°-80°	73.7	0.3
80°-90°	23.1	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°	23951.0	100.0
0°-180°	23951.0	100.0

**Coefficient of Utilization**

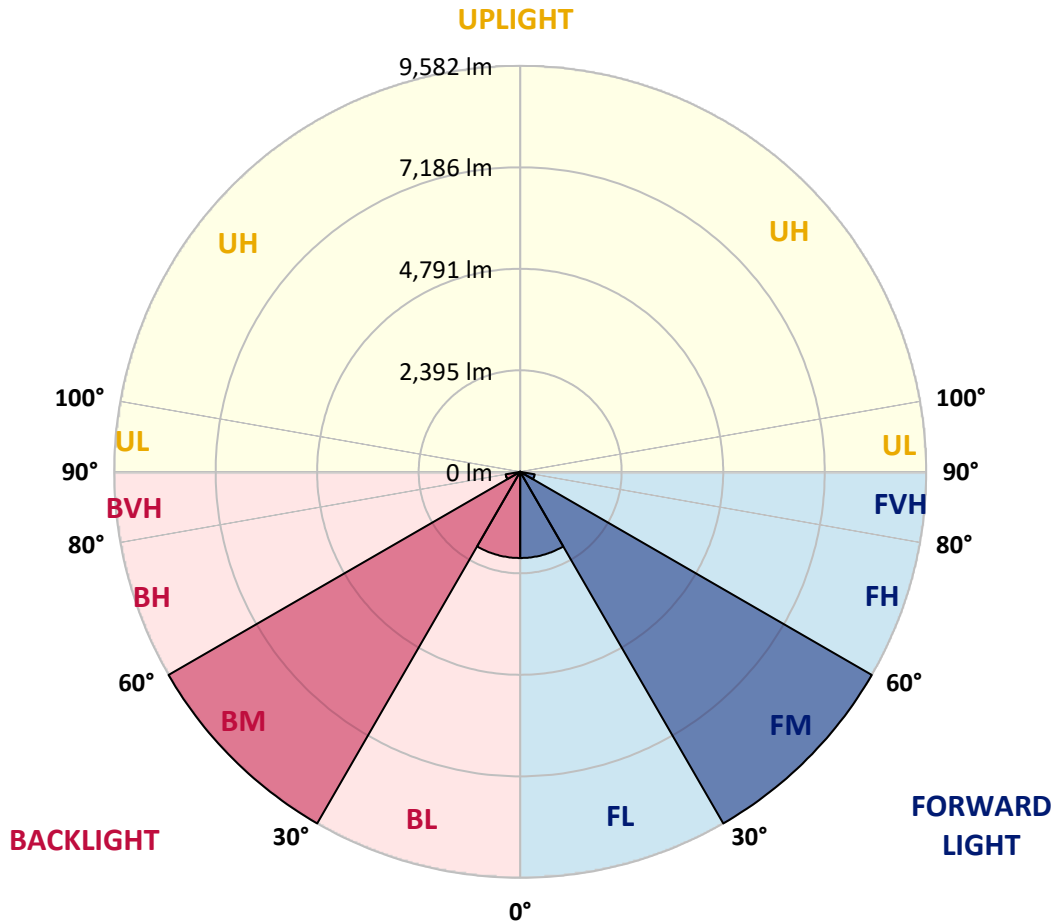


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2034.4	8.5			
FM (30°-60°)	9581.6	40.0			
FH (60°-80°)	347.9	1.5			G0/660
FVH (80°-90°)	11.6	0.0			G1/100
BL (0°-30°)	2034.4	8.5	B3/2500		
BM (30°-60°)	9581.6	40.0	B5		
BH (60°-80°)	347.9	1.5	B1/500		G0/660
BVH (80°-90°)	11.6	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°	3927.2	3927.2	3927.2	3927.2	3927.2	3927.2	3927.2	3927.2	3927.2	3927.2	3927.2
2.5°	3946.2	3969.0	3953.8	3965.2	3965.2	3946.2	3957.6	3912.0	3942.4	3919.6	3923.4
5°	4006.9	4003.1	4003.1	4006.9	3991.7	3999.3	3984.1	3969.0	3957.6	3942.4	3987.9
7.5°	4082.8	4082.8	4056.2	4063.8	4056.2	4067.6	4037.3	4006.9	3995.5	3984.1	3976.5
10°	4154.9	4147.3	4135.9	4170.1	4143.5	4128.3	4113.1	4094.2	4052.4	4037.3	4022.1
12.5°	4261.1	4257.3	4242.2	4276.3	4261.1	4276.3	4219.4	4170.1	4162.5	4113.1	4139.7
15°	4386.3	4420.5	4393.9	4393.9	4386.3	4367.4	4344.6	4321.8	4253.5	4234.6	4238.4
17.5°	4549.5	4538.1	4541.9	4541.9	4579.9	4530.5	4485.0	4428.1	4393.9	4382.5	4344.6
20°	4705.1	4720.3	4716.5	4743.0	4765.8	4712.7	4663.3	4655.7	4560.9	4576.1	4522.9
22.5°	4978.3	4966.9	4985.9	5004.8	4989.7	4982.1	4936.5	4879.6	4796.1	4758.2	4750.6
25°	5266.6	5247.7	5213.5	5259.1	5281.8	5316.0	5228.7	5198.3	5069.3	5012.4	5016.2
27.5°	5513.3	5539.8	5577.8	5596.8	5653.7	5642.3	5581.6	5482.9	5384.3	5319.8	5278.0
30°	5851.0	5866.2	5930.7	5957.2	6055.9	6082.4	5987.6	5873.8	5699.2	5615.7	5566.4
32.5°	6162.1	6268.4	6264.6	6397.4	6556.7	6666.8	6496.0	6321.5	6146.9	6048.3	5961.0
35°	6666.8	6647.8	6757.9	6898.2	7156.3	7281.5	7095.6	6894.4	6628.8	6469.5	6401.2
37.5°	7137.3	7144.9	7292.9	7516.7	7812.7	8006.2	7843.1	7512.9	7239.7	7034.8	6940.0
40°	7820.3	7835.5	7987.2	8241.5	8575.4	8784.1	8594.3	8260.4	7896.2	7736.8	7736.8
42.5°	8620.9	8685.4	8784.1	9004.1	9303.9	9535.4	9364.6	9102.8	8734.7	8529.8	8560.2
45°	9444.3	9474.7	9539.2	9865.5	10005.9	10119.7	9960.3	9838.9	9592.3	9341.8	9300.1
47.5°	10214.6	10225.9	10415.7	10518.1	10628.2	10533.3	10635.7	10476.4	10199.4	9956.5	9907.2
50°	10556.1	10537.1	10806.5	11117.6	11201.1	11034.2	10946.9	10840.6	10419.5	10127.3	9998.3
52.5°	9561.9	9672.0	10172.8	11037.9	11690.6	11831.0	11322.5	10833.1	10047.6	9478.4	9391.2
54°	8423.6	8526.0	8939.6	10222.1	11580.5	12054.9	11235.3	10195.6	9087.6	8412.2	8324.9
55°	7296.7	7182.8	7934.1	9243.2	11064.5	11857.5	10890.0	9372.2	8104.9	7486.4	7365.0
57.5°	3950.0	3969.0	4602.6	5839.6	7774.8	9091.4	8029.0	6340.5	4788.5	4094.2	4033.5
60°	1252.2	1282.5	1559.5	2360.1	3714.7	4435.7	3802.0	2546.1	1760.6	1411.5	1354.6
62.5°	390.8	406.0	443.9	660.2	1016.9	1453.3	1138.3	683.0	508.5	466.7	474.3
65°	239.0	239.0	242.8	258.0	303.6	352.9	341.5	299.8	288.4	280.8	277.0
67.5°	155.6	151.8	159.4	170.7	178.3	182.1	193.5	204.9	201.1	193.5	193.5
70°	94.9	91.1	98.7	113.8	117.6	125.2	136.6	151.8	148.0	140.4	144.2
72.5°	53.1	53.1	56.9	68.3	79.7	87.3	98.7	110.0	113.8	110.0	110.0
75°	19.0	22.8	30.4	41.7	49.3	60.7	72.1	83.5	94.9	87.3	83.5
77.5°	7.6	7.6	15.2	26.6	37.9	49.3	68.3	79.7	87.3	79.7	72.1
80°	3.8	3.8	11.4	22.8	34.1	45.5	56.9	68.3	72.1	64.5	56.9
82.5°	3.8	3.8	11.4	22.8	34.1	41.7	60.7	68.3	75.9	68.3	56.9
85°	0.0	3.8	11.4	22.8	30.4	34.1	34.1	22.8	19.0	11.4	11.4
87.5°	0.0	0.0	3.8	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)