

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: P532825

Luminaire Tested: **GALN-SA8B-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532825  
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-727-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 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: 26398 lumens  
Efficiency: N/A  
Efficacy: 81.2 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

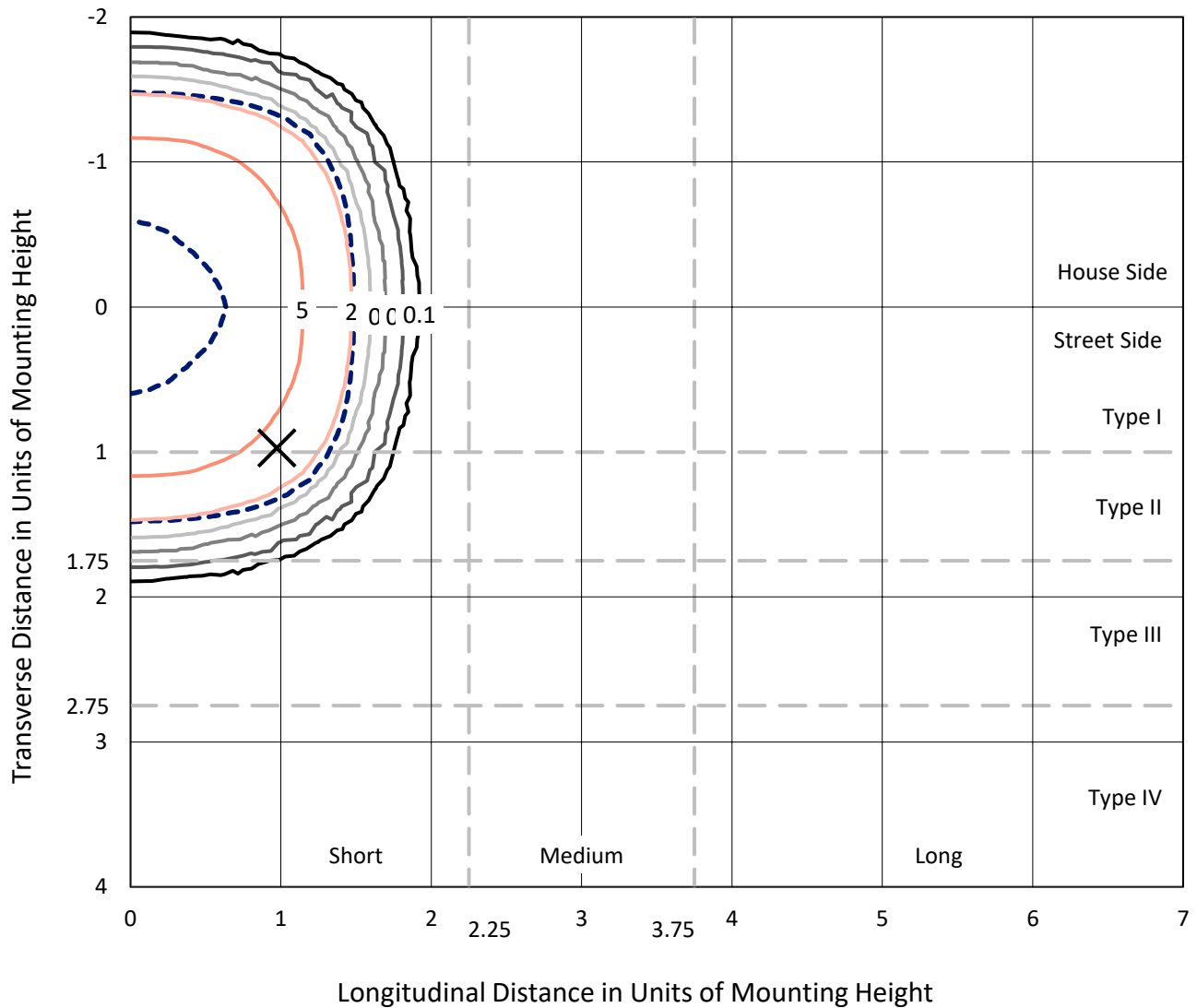
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

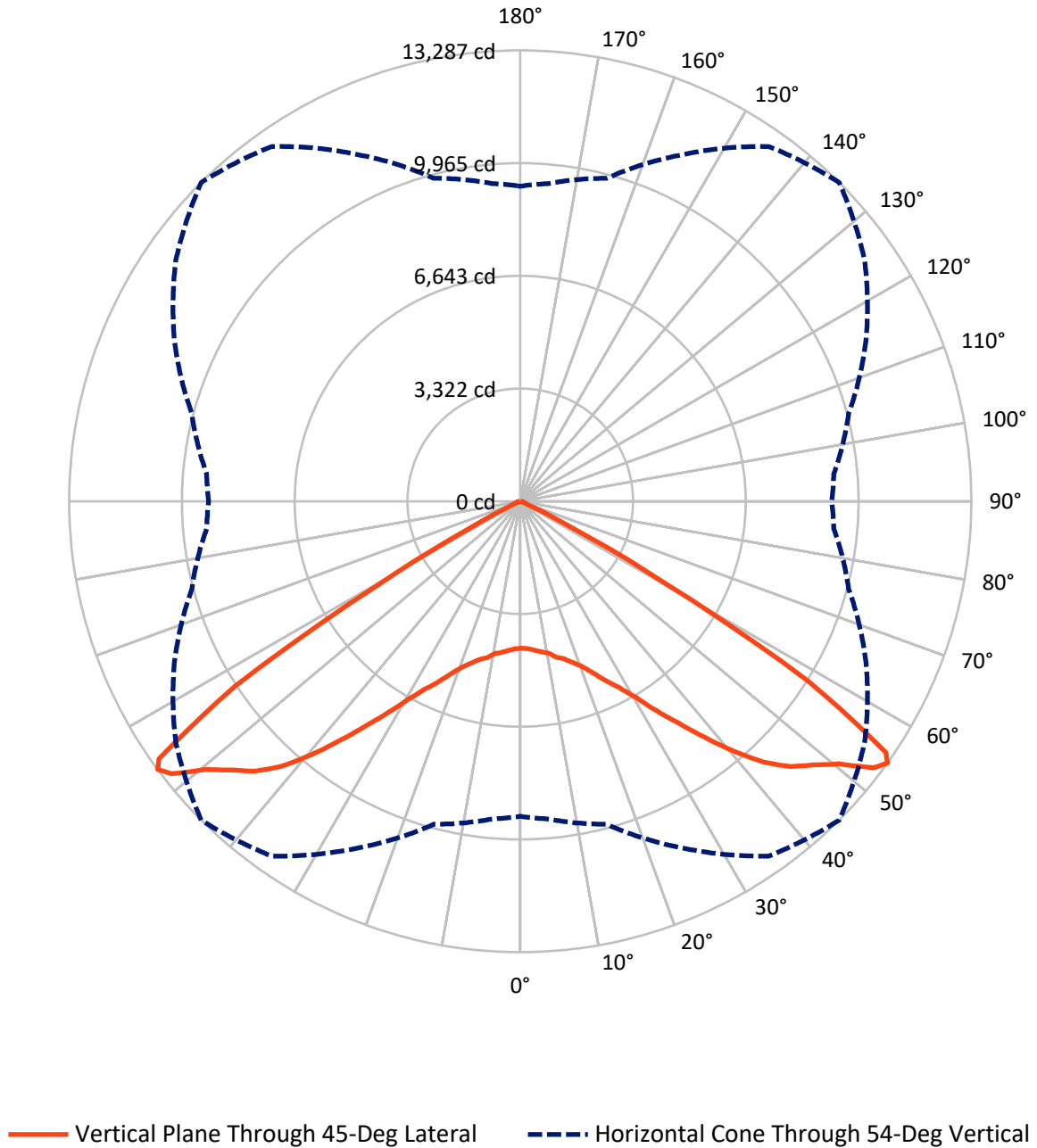
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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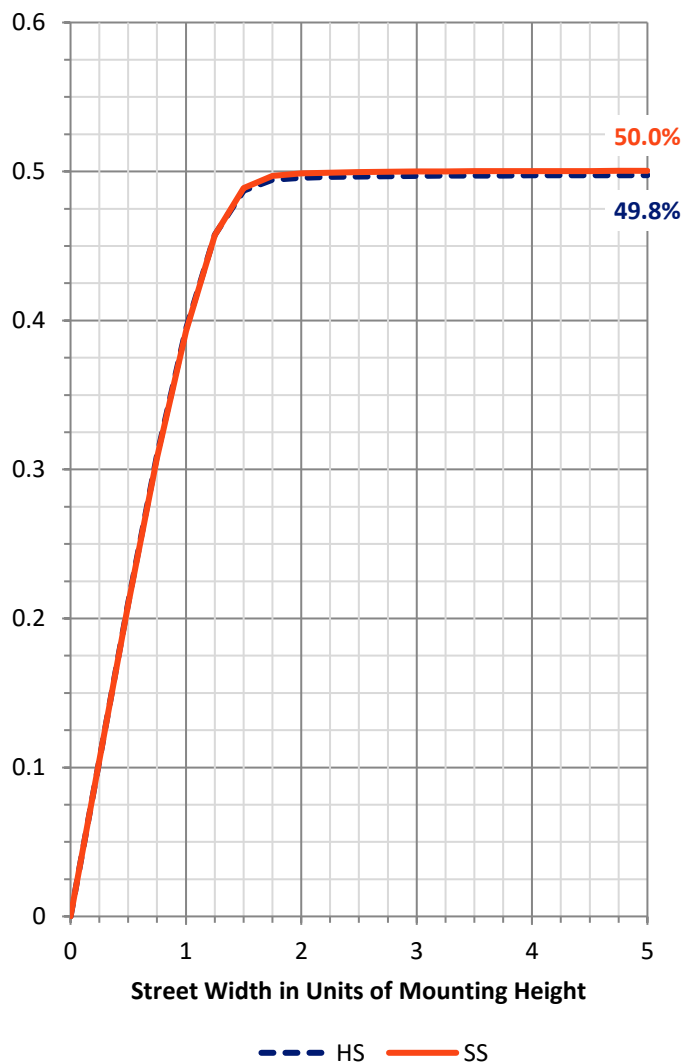
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13199.0	0.0	13199.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13199.0	0.0	13199.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26398.0	0.0	26398.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	423.6	1.6
10°-20°	1371.9	5.2
20°-30°	2688.9	10.2
30°-40°	4835.3	18.3
40°-50°	8277.0	31.4
50°-60°	8008.8	30.3
60°-70°	685.6	2.6
70°-80°	81.3	0.3
80°-90°	25.5	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°	26398.0	100.0
0°-180°	26398.0	100.0

**Coefficient of Utilization**



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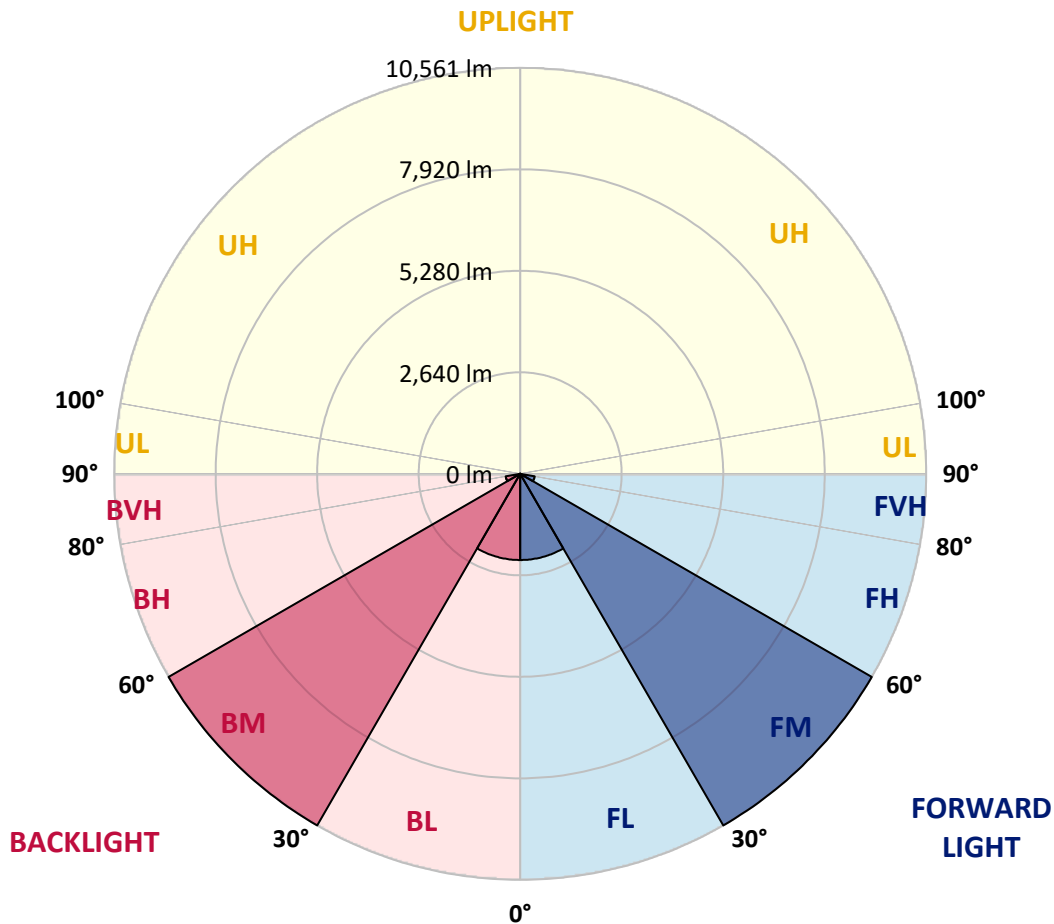
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2242.3	8.5			
FM (30°-60°)	10560.6	40.0			
FH (60°-80°)	383.4	1.5			G0/660
FVH (80°-90°)	12.7	0.0			G1/100
BL (0°-30°)	2242.3	8.5	B3/2500		
BM (30°-60°)	10560.6	40.0	B5		
BH (60°-80°)	383.4	1.5	B1/500		G0/660
BVH (80°-90°)	12.7	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°	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4	4328.4
2.5°	4349.4	4374.5	4357.7	4370.3	4370.3	4349.4	4361.9	4311.7	4345.2	4320.1	4324.3
5°	4416.3	4412.1	4412.1	4416.3	4399.5	4407.9	4391.2	4374.5	4361.9	4345.2	4395.4
7.5°	4499.9	4499.9	4470.6	4479.0	4470.6	4483.2	4449.7	4416.3	4403.7	4391.2	4382.8
10°	4579.4	4571.0	4558.5	4596.1	4566.8	4550.1	4533.4	4512.5	4466.5	4449.7	4433.0
12.5°	4696.5	4692.3	4675.6	4713.2	4696.5	4713.2	4650.5	4596.1	4587.7	4533.4	4562.6
15°	4834.5	4872.1	4842.8	4842.8	4834.5	4813.6	4788.5	4763.4	4688.1	4667.2	4671.4
17.5°	5014.3	5001.8	5005.9	5005.9	5047.8	4993.4	4943.2	4880.5	4842.8	4830.3	4788.5
20°	5185.8	5202.5	5198.3	5227.6	5252.7	5194.1	5139.8	5131.4	5026.9	5043.6	4985.0
22.5°	5486.9	5474.3	5495.2	5516.2	5499.4	5491.1	5440.9	5378.2	5286.1	5244.3	5236.0
25°	5804.7	5783.8	5746.2	5796.4	5821.5	5859.1	5762.9	5729.4	5587.3	5524.5	5528.7
27.5°	6076.6	6105.8	6147.7	6168.6	6231.3	6218.7	6151.8	6043.1	5934.4	5863.3	5817.3
30°	6448.8	6465.5	6536.6	6565.9	6674.6	6703.9	6599.3	6473.9	6281.5	6189.5	6135.1
32.5°	6791.7	6908.8	6904.6	7051.0	7226.6	7347.9	7159.7	6967.3	6775.0	6666.2	6570.0
35°	7347.9	7327.0	7448.3	7603.0	7887.4	8025.4	7820.5	7598.8	7306.1	7130.4	7055.2
37.5°	7866.5	7874.9	8038.0	8284.7	8610.9	8824.2	8644.4	8280.5	7979.4	7753.6	7649.0
40°	8619.3	8636.0	8803.3	9083.5	9451.5	9681.5	9472.4	9104.4	8702.9	8527.3	8527.3
42.5°	9501.7	9572.8	9681.5	9924.1	10254.5	10509.6	10321.4	10032.8	9627.1	9401.3	9434.8
45°	10409.2	10442.6	10513.7	10873.4	11028.1	11153.6	10978.0	10844.1	10572.3	10296.3	10250.3
47.5°	11258.2	11270.7	11479.8	11592.7	11714.0	11609.4	11722.4	11546.7	11241.4	10973.8	10919.4
50°	11634.5	11613.6	11910.6	12253.5	12345.5	12161.5	12065.3	11948.2	11484.0	11162.0	11019.8
52.5°	10538.8	10660.1	11212.1	12165.7	12885.0	13039.7	12479.3	11939.8	11074.1	10446.8	10350.6
54°	9284.2	9397.1	9853.0	11266.5	12763.7	13286.5	12383.1	11237.2	10016.1	9271.7	9175.5
55°	8042.1	7916.7	8744.7	10187.5	12194.9	13069.0	12002.6	10329.7	8932.9	8251.2	8117.4
57.5°	4353.5	4374.5	5072.9	6436.2	8569.1	10020.3	8849.3	6988.3	5277.8	4512.5	4445.5
60°	1380.1	1413.5	1718.8	2601.3	4094.3	4888.8	4190.4	2806.2	1940.5	1555.7	1493.0
62.5°	430.8	447.5	489.3	727.7	1120.8	1601.7	1254.6	752.8	560.4	514.4	522.8
65°	263.5	263.5	267.7	284.4	334.6	388.9	376.4	330.4	317.8	309.5	305.3
67.5°	171.5	167.3	175.6	188.2	196.6	200.7	213.3	225.8	221.7	213.3	213.3
70°	104.6	100.4	108.7	125.5	129.6	138.0	150.6	167.3	163.1	154.7	158.9
72.5°	58.5	58.5	62.7	75.3	87.8	96.2	108.7	121.3	125.5	121.3	121.3
75°	20.9	25.1	33.5	46.0	54.4	66.9	79.5	92.0	104.6	96.2	92.0
77.5°	8.4	8.4	16.7	29.3	41.8	54.4	75.3	87.8	96.2	87.8	79.5
80°	4.2	4.2	12.5	25.1	37.6	50.2	62.7	75.3	79.5	71.1	62.7
82.5°	4.2	4.2	12.5	25.1	37.6	46.0	66.9	75.3	83.6	75.3	62.7
85°	0.0	4.2	12.5	25.1	33.5	37.6	37.6	25.1	20.9	12.5	12.5
87.5°	0.0	0.0	4.2	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)