

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: P532828

Luminaire Tested: **GALN-SA8B-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532828  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
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-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32601 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

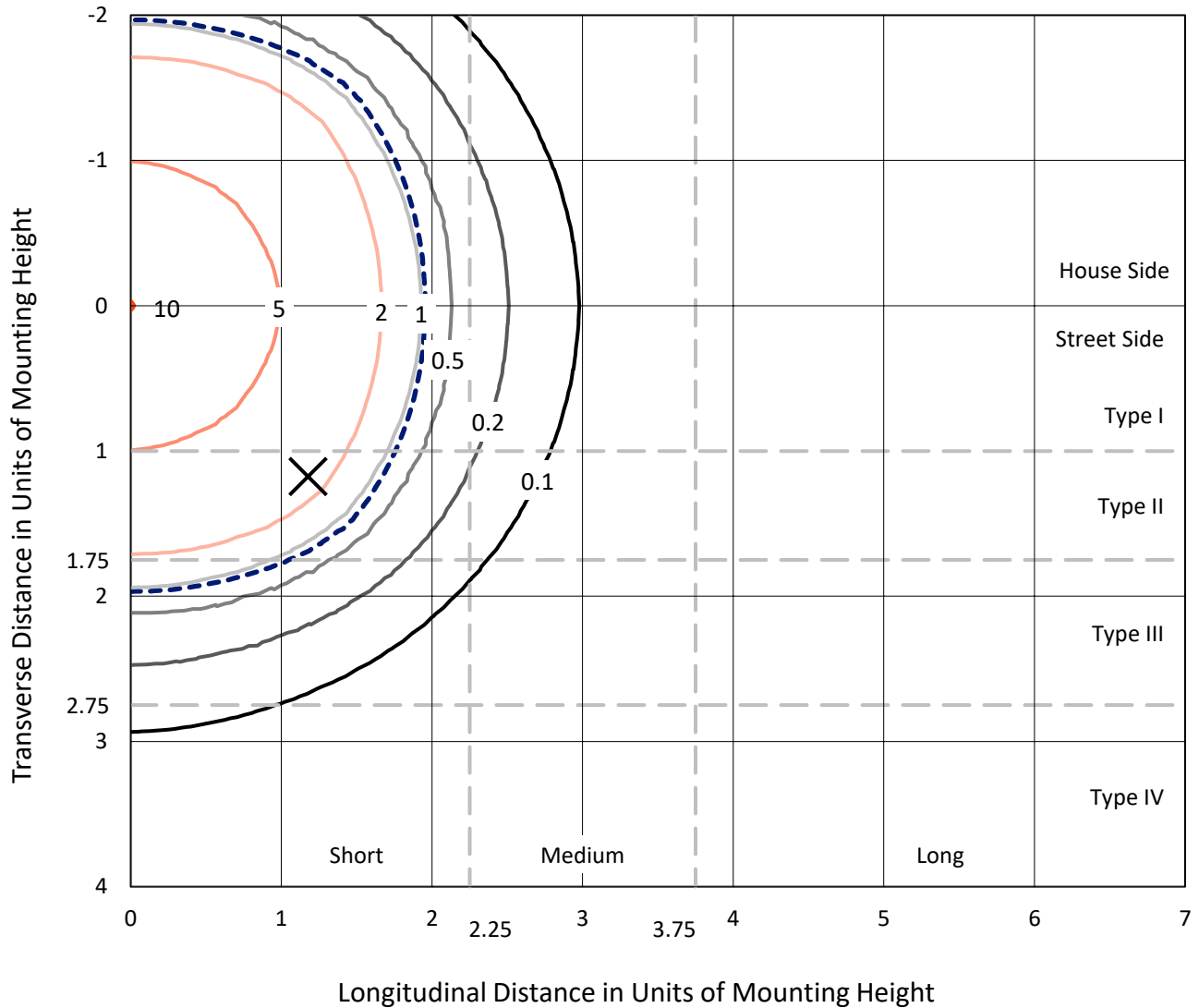
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

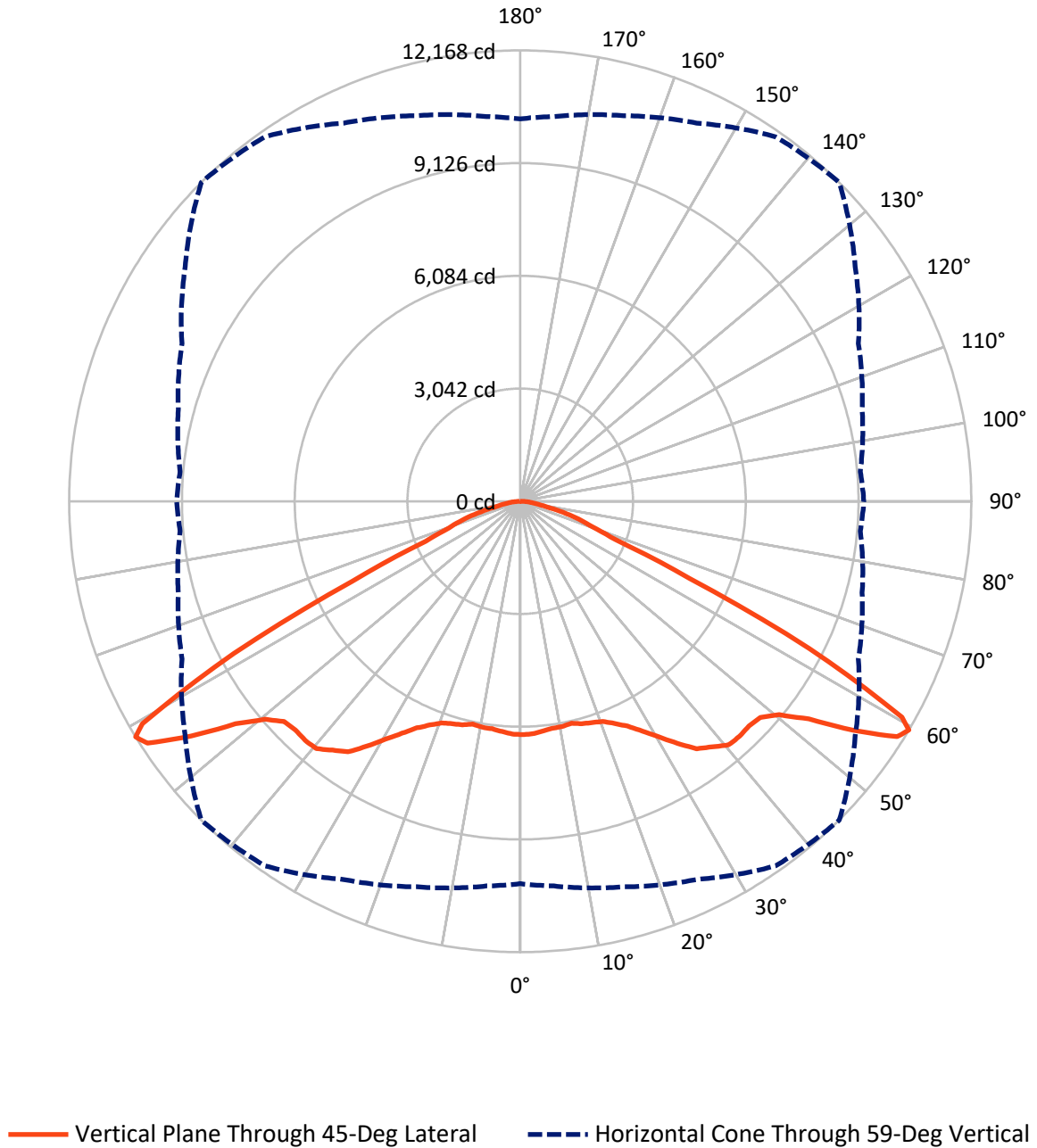
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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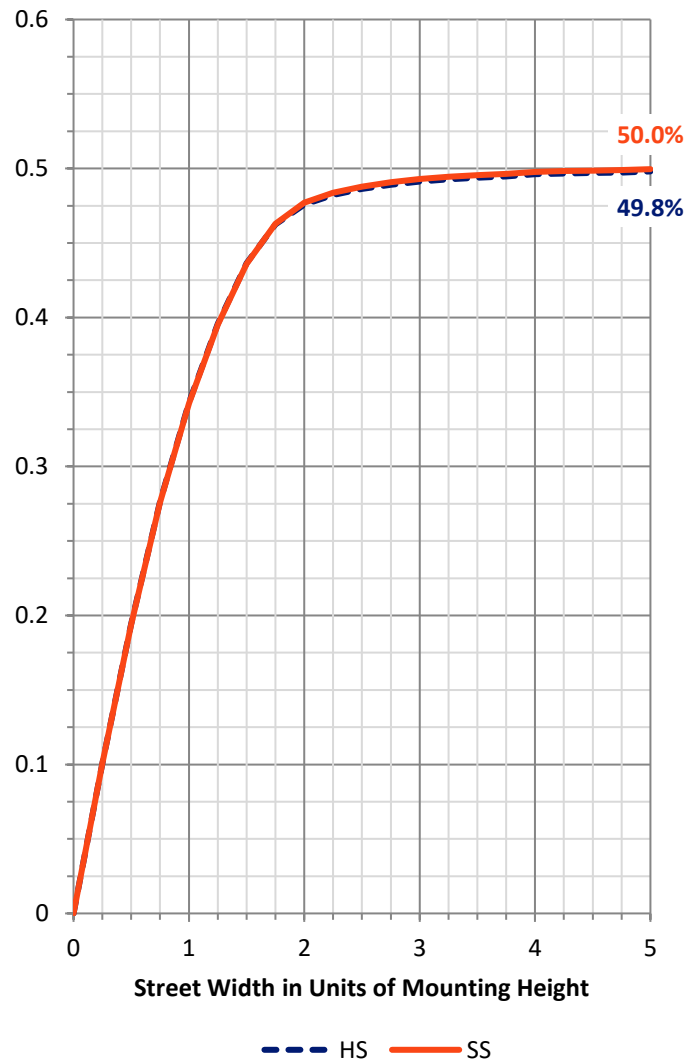
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16300.5	0.0	16300.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16300.5	0.0	16300.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32601.0	0.0	32601.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	593.6	1.8
10°-20°	1765.3	5.4
20°-30°	3082.4	9.5
30°-40°	4923.0	15.1
40°-50°	6706.1	20.6
50°-60°	9068.4	27.8
60°-70°	4973.1	15.3
70°-80°	1272.3	3.9
80°-90°	217.0	0.7
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°	32601.0	100.0
0°-180°	32601.0	100.0



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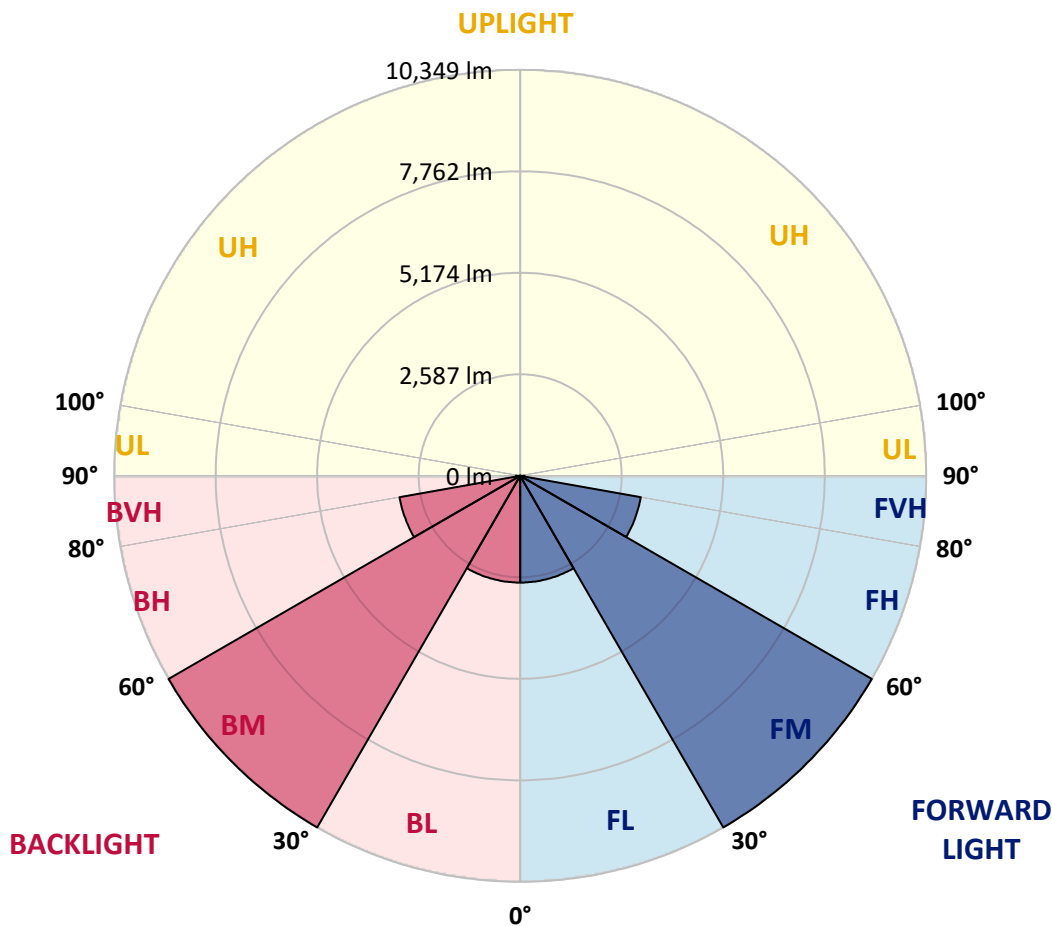
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2720.6	8.3			
FM (30°-60°)	10348.7	31.7			
FH (60°-80°)	3122.7	9.6			G2/5000
FVH (80°-90°)	108.5	0.3			G2/225
BL (0°-30°)	2720.6	8.3	B4/5000		
BM (30°-60°)	10348.7	31.7	B5		
BH (60°-80°)	3122.7	9.6	B4/5000		G2/5000
BVH (80°-90°)	108.5	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6297.0	6297.0	6297.0	6297.0	6297.0	6297.0	6297.0	6297.0	6297.0	6297.0	6297.0
2.5°	6259.3	6305.3	6271.9	6301.1	6297.0	6284.4	6263.5	6251.0	6234.3	6259.3	6217.6
5°	6234.3	6271.9	6309.5	6259.3	6259.3	6234.3	6221.7	6196.7	6196.7	6192.5	6188.3
7.5°	6276.1	6238.5	6221.7	6230.1	6238.5	6184.1	6221.7	6171.6	6129.8	6159.1	6192.5
10°	6238.5	6255.2	6192.5	6221.7	6175.8	6184.1	6159.1	6192.5	6146.5	6146.5	6146.5
12.5°	6276.1	6230.1	6251.0	6230.1	6217.6	6146.5	6180.0	6142.4	6138.2	6180.0	6142.4
15°	6351.3	6276.1	6259.3	6217.6	6230.1	6230.1	6196.7	6200.8	6154.9	6180.0	6188.3
17.5°	6326.2	6284.4	6271.9	6221.7	6263.5	6276.1	6213.4	6171.6	6200.8	6196.7	6192.5
20°	6347.1	6363.8	6351.3	6359.6	6376.3	6342.9	6284.4	6225.9	6188.3	6242.6	6238.5
22.5°	6480.8	6464.1	6455.7	6447.4	6476.6	6510.1	6430.7	6338.7	6338.7	6376.3	6393.1
25°	6589.4	6585.3	6581.1	6618.7	6719.0	6719.0	6618.7	6501.7	6472.4	6497.5	6476.6
27.5°	6748.2	6794.2	6777.5	6844.3	6990.6	7024.0	6890.3	6752.4	6673.0	6643.8	6681.4
30°	7111.8	7057.4	7070.0	7141.0	7270.5	7379.2	7174.4	7028.2	6919.5	6915.4	6932.1
32.5°	7354.1	7395.9	7433.5	7500.4	7705.1	7788.7	7542.1	7304.0	7237.1	7199.5	7212.0
35°	7838.8	7801.2	7792.8	7859.7	8064.4	8202.3	7893.1	7684.2	7596.5	7680.0	7680.0
37.5°	8298.4	8194.0	8114.6	8202.3	8390.4	8407.1	8143.8	8031.0	7985.1	8081.2	8077.0
40°	8515.7	8507.4	8323.5	8373.7	8624.4	8649.4	8402.9	8269.2	8260.8	8386.2	8511.5
42.5°	8741.4	8662.0	8478.1	8511.5	8666.1	8674.5	8440.5	8402.9	8494.8	8616.0	8624.4
45°	8779.0	8712.1	8595.1	8511.5	8624.4	8649.4	8511.5	8536.6	8545.0	8691.2	8691.2
47.5°	8854.2	8845.8	8779.0	8716.3	8737.2	8716.3	8628.5	8666.1	8791.5	8862.5	8829.1
50°	9063.1	8975.4	9042.2	8987.9	8992.1	9050.6	8971.2	9008.8	8983.7	8921.0	8879.2
52.5°	9522.7	9480.9	9539.4	9577.1	9618.8	9752.5	9660.6	9460.1	9272.0	9104.9	9100.7
55°	10195.5	10224.7	10337.5	10529.7	10692.7	10905.8	10462.9	9982.4	9681.5	9418.3	9435.0
57.5°	10830.6	10809.7	10964.3	11403.0	11879.4	11988.0	11118.9	10433.6	9944.8	9777.6	9706.6
59°	10320.8	10421.1	10772.1	11261.0	12008.9	12167.7	11031.2	10065.9	9547.8	9209.3	9267.8
60°	9518.6	9556.2	9869.5	10550.6	11561.8	11833.4	10442.0	9497.7	8808.2	8611.8	8699.6
62.5°	6727.3	6698.1	6923.7	7479.5	8386.2	8753.9	7763.6	7099.2	6664.7	6447.4	6497.5
65°	3576.8	3710.5	3802.4	4149.2	4629.7	5018.3	4608.9	4320.5	4078.2	3898.5	3894.3
67.5°	2415.2	2398.4	2419.3	2498.7	2661.7	2770.3	2762.0	2615.7	2594.8	2561.4	2599.0
70°	2034.9	2026.6	1989.0	1989.0	2022.4	2047.5	2076.7	2093.4	2126.8	2168.6	2164.4
72.5°	1650.5	1629.6	1604.5	1592.0	1633.8	1646.3	1683.9	1700.6	1729.9	1725.7	1763.3
75°	1090.6	1090.6	1119.8	1153.3	1165.8	1190.9	1195.0	1245.2	1245.2	1253.5	1220.1
77.5°	610.1	593.3	614.2	647.7	676.9	722.9	768.8	806.4	827.3	819.0	819.0
80°	355.2	355.2	376.1	413.7	451.3	493.1	526.5	555.7	576.6	568.3	551.6
82.5°	221.5	221.5	242.4	280.0	309.2	334.3	380.2	417.8	442.9	434.6	413.7
85°	112.8	112.8	137.9	163.0	200.6	217.3	213.1	196.4	192.2	171.3	171.3
87.5°	29.2	29.2	41.8	46.0	37.6	41.8	41.8	41.8	41.8	41.8	46.0
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)