

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: P533762

Luminaire Tested: **GALN-SA9B-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533762
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-SA9B-727-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 800mA 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: 38858 lumens
Efficiency: N/A
Efficacy: 106.8 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

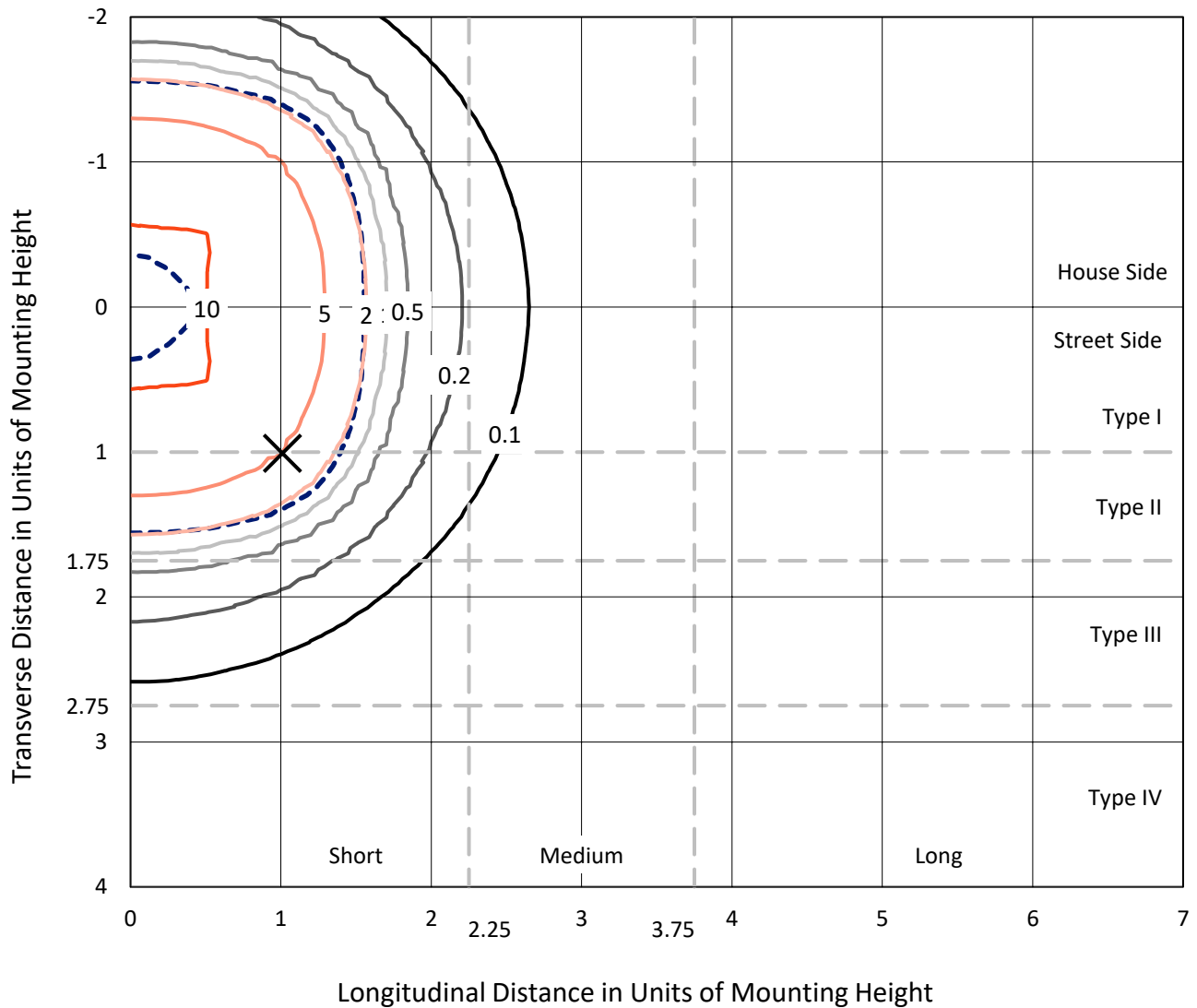
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

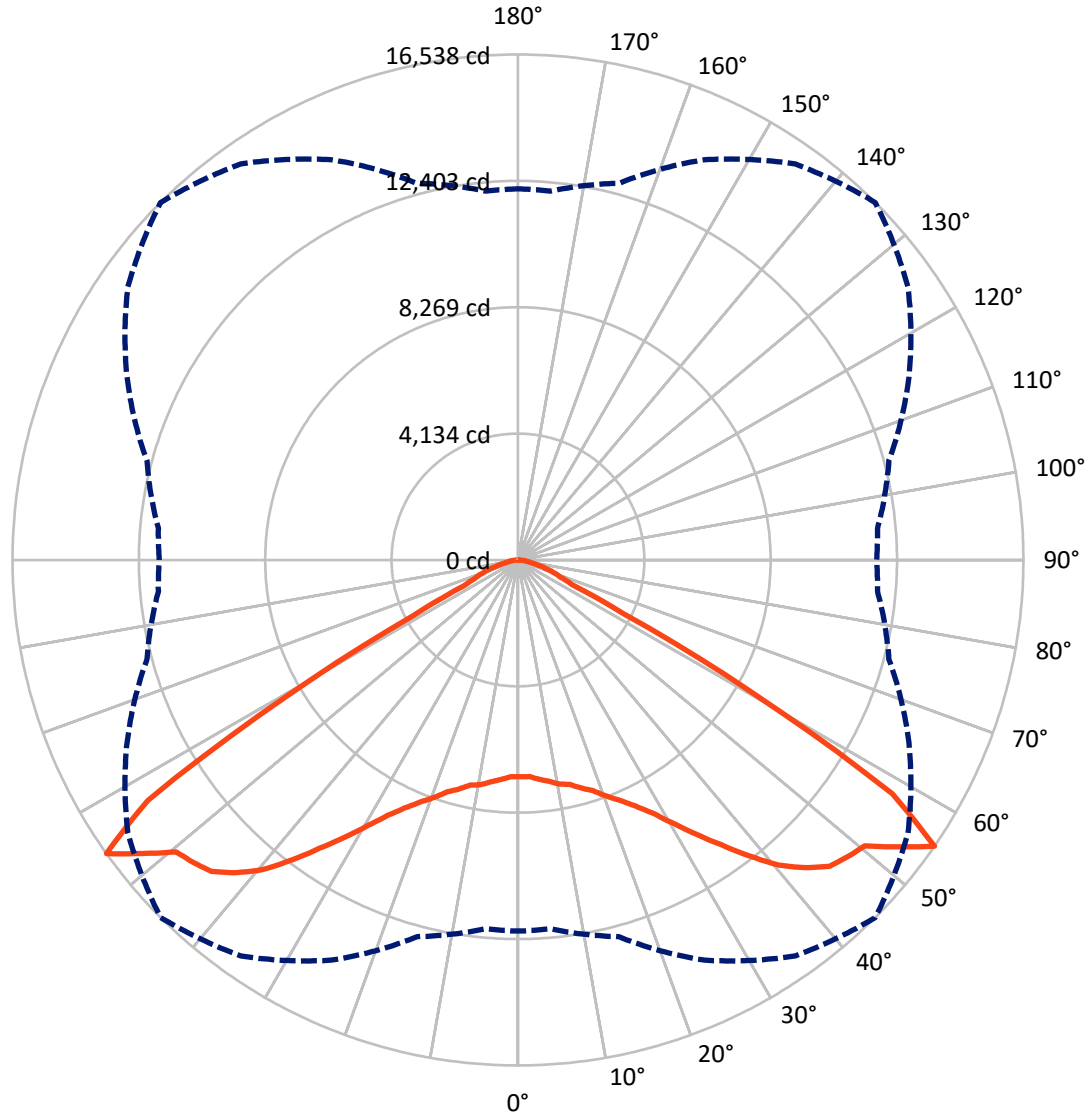
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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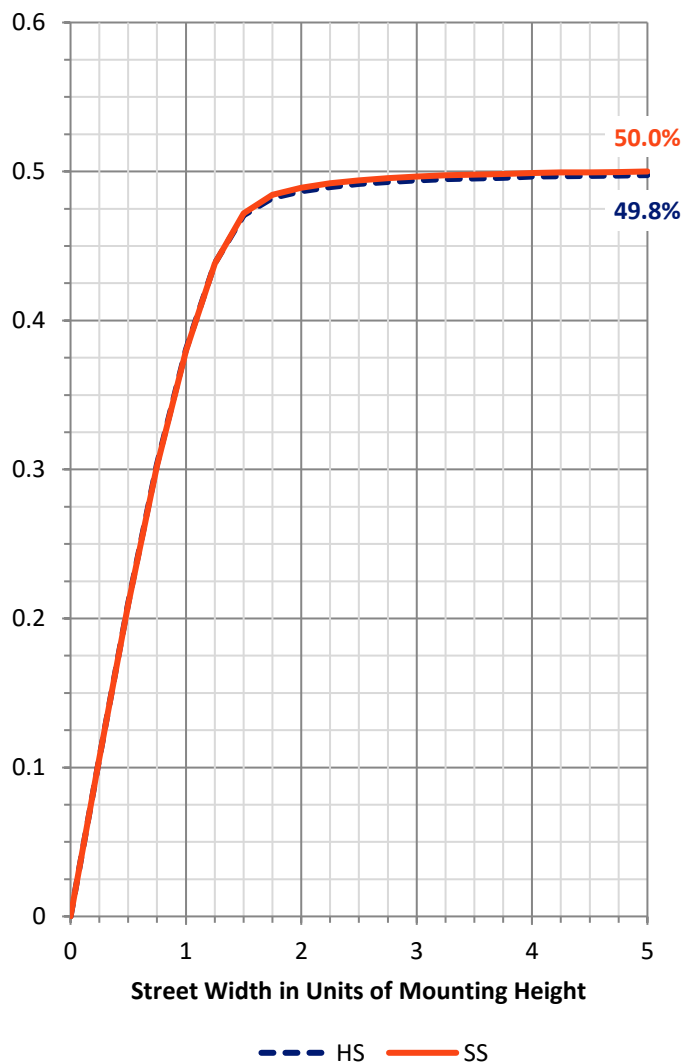
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19429.0	0.0	19429.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19429.0	0.0	19429.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38858.0	0.0	38858.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	693.1	1.8
10°-20°	2196.1	5.7
20°-30°	4095.0	10.5
30°-40°	6856.4	17.6
40°-50°	10669.1	27.5
50°-60°	11077.9	28.5
60°-70°	2349.3	6.0
70°-80°	773.7	2.0
80°-90°	147.4	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°	38858.0	100.0
0°-180°	38858.0	100.0

Coefficient of Utilization

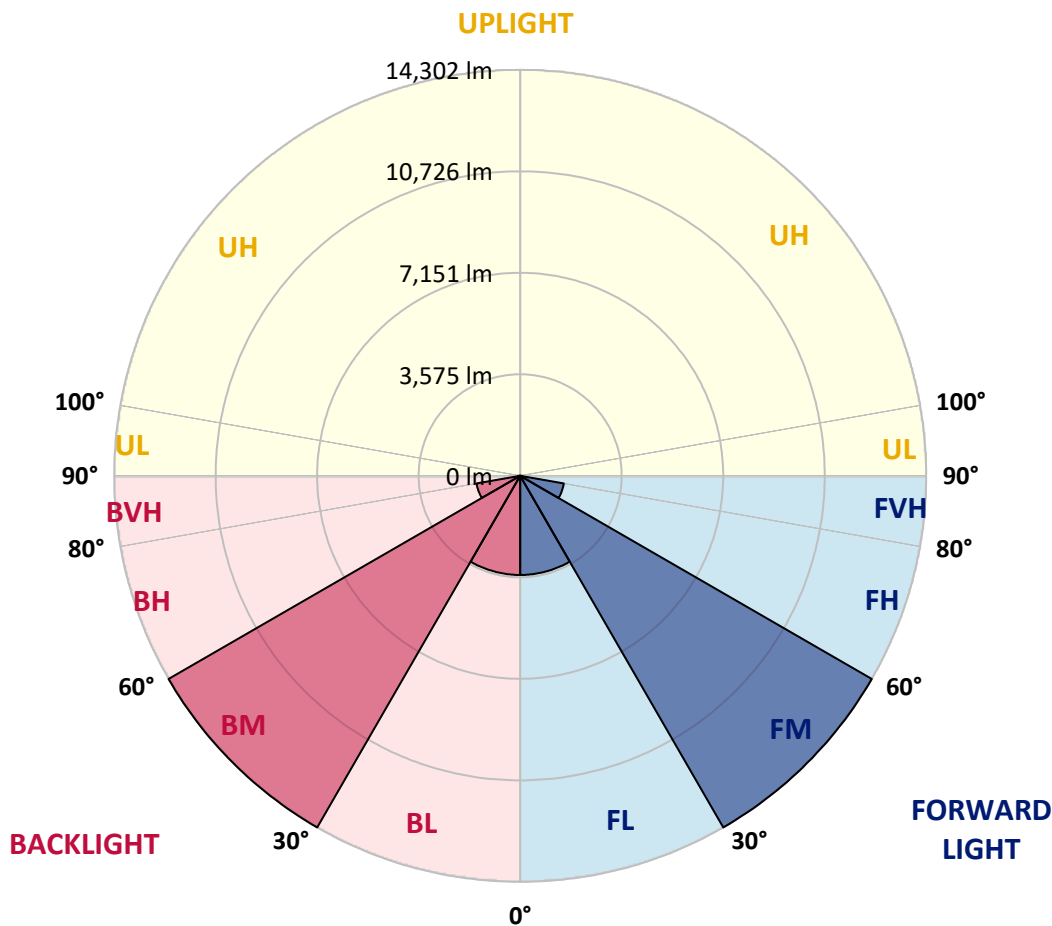


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3492.1	9.0			
FM (30°-60°)	14301.7	36.8			
FH (60°-80°)	1561.5	4.0			G1/1800
FVH (80°-90°)	73.7	0.2			G1/100
BL (0°-30°)	3492.1	9.0	B4/5000		
BM (30°-60°)	14301.7	36.8	B5		
BH (60°-80°)	1561.5	4.0	B3/2500		G1/1800
BVH (80°-90°)	73.7	0.2			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°	7094.9	7094.9	7094.9	7094.9	7094.9	7094.9	7094.9	7094.9	7094.9	7094.9	7094.9
2.5°	7179.4	7146.5	7090.2	7132.5	7165.3	7094.9	7123.1	7137.2	7127.8	7090.2	7104.3
5°	7282.7	7263.9	7217.0	7249.8	7207.6	7207.6	7179.4	7141.8	7198.2	7188.8	7212.3
7.5°	7282.7	7259.2	7353.1	7292.1	7310.9	7310.9	7263.9	7226.4	7254.5	7212.3	7188.8
10°	7428.3	7461.1	7418.9	7433.0	7423.6	7456.4	7386.0	7362.5	7339.1	7325.0	7296.8
12.5°	7602.0	7578.5	7592.6	7583.2	7616.1	7531.6	7489.3	7437.7	7479.9	7418.9	7461.1
15°	7742.9	7728.8	7742.9	7780.4	7747.6	7742.9	7667.7	7616.1	7550.4	7564.4	7498.7
17.5°	7935.4	7921.3	7926.0	7958.9	7954.2	7930.7	7874.3	7775.7	7752.3	7714.7	7672.4
20°	8221.8	8198.3	8188.9	8203.0	8226.5	8245.3	8132.6	8095.0	8015.2	7954.2	7883.7
22.5°	8466.0	8456.6	8494.1	8433.1	8484.8	8541.1	8433.1	8414.3	8217.1	8184.2	8109.1
25°	8804.1	8790.0	8766.5	8855.7	8916.7	8912.0	8808.7	8705.4	8555.2	8517.6	8517.6
27.5°	9160.9	9081.1	9203.2	9226.6	9334.6	9367.5	9278.3	9128.0	8987.2	8907.4	8926.1
30°	9607.0	9531.9	9560.0	9729.1	9869.9	9992.0	9766.6	9545.9	9348.7	9207.9	9184.4
32.5°	10053.1	9977.9	10062.4	10226.8	10508.5	10691.6	10471.0	10085.9	9855.8	9649.2	9691.5
35°	10414.6	10471.0	10607.1	10856.0	11147.1	11442.9	11090.8	10794.9	10466.3	10236.2	10269.0
37.5°	10996.8	11170.6	11278.6	11565.0	11978.2	12283.4	11917.2	11532.1	11180.0	10879.5	10776.2
40°	11757.5	11874.9	11997.0	12335.1	12823.4	13128.6	12781.1	12278.7	11931.2	11621.3	11607.3
42.5°	12593.3	12706.0	12832.8	13246.0	13537.1	13767.2	13447.9	13180.3	12795.2	12551.1	12537.0
45°	13565.3	13485.5	13626.3	13898.7	14142.8	14293.1	14086.5	13955.0	13678.0	13452.6	13429.1
47.5°	14213.3	14142.8	14396.4	14640.5	14678.1	14513.8	14556.0	14678.1	14387.0	14016.0	14133.4
50°	14588.9	14588.9	14757.9	14983.3	14912.9	14701.6	15035.0	15044.4	14753.2	14424.6	14424.6
52.5°	13936.2	14081.8	14560.7	15297.9	15532.7	15593.7	15518.6	15199.3	14438.6	13767.2	13734.3
55°	12142.5	12109.7	12757.7	14448.0	15814.4	16537.5	15579.6	14110.0	12565.1	11809.2	11734.0
57.5°	7897.8	7935.4	8902.7	10625.9	13091.0	14438.6	12823.4	10757.4	8902.7	7860.3	7958.9
60°	3554.5	3681.3	4268.2	5554.8	7672.4	8771.2	7691.2	5836.5	4479.5	3887.9	3939.5
62.5°	2042.5	2066.0	2089.5	2479.2	3268.1	3864.4	3394.8	2620.1	2310.2	2206.9	2206.9
65°	1723.2	1709.2	1713.9	1746.7	1831.2	1953.3	1901.7	1831.2	1840.6	1831.2	1817.2
67.5°	1465.0	1483.8	1469.7	1493.2	1497.9	1516.6	1549.5	1577.7	1582.4	1591.8	1582.4
70°	1202.0	1206.7	1216.1	1234.9	1239.6	1253.7	1300.7	1324.1	1338.2	1338.2	1357.0
72.5°	920.3	915.6	925.0	943.8	967.3	972.0	1014.2	1047.1	1065.9	1042.4	1047.1
75°	605.7	610.4	624.5	638.6	671.5	704.3	718.4	751.3	756.0	765.4	741.9
77.5°	361.6	370.9	385.0	413.2	441.4	469.5	502.4	525.9	535.3	525.9	497.7
80°	234.8	234.8	253.6	277.0	309.9	333.4	352.2	370.9	385.0	370.9	361.6
82.5°	145.6	145.6	169.0	197.2	220.7	234.8	262.9	286.4	300.5	291.1	277.0
85°	75.1	79.8	98.6	122.1	140.9	150.3	145.6	131.5	117.4	112.7	103.3
87.5°	23.5	23.5	28.2	28.2	23.5	23.5	28.2	23.5	28.2	28.2	28.2
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)