

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: P533768

Luminaire Tested: **GALN-SA9B-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
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-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37802 lumens
Efficiency: N/A
Efficacy: 103.9 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

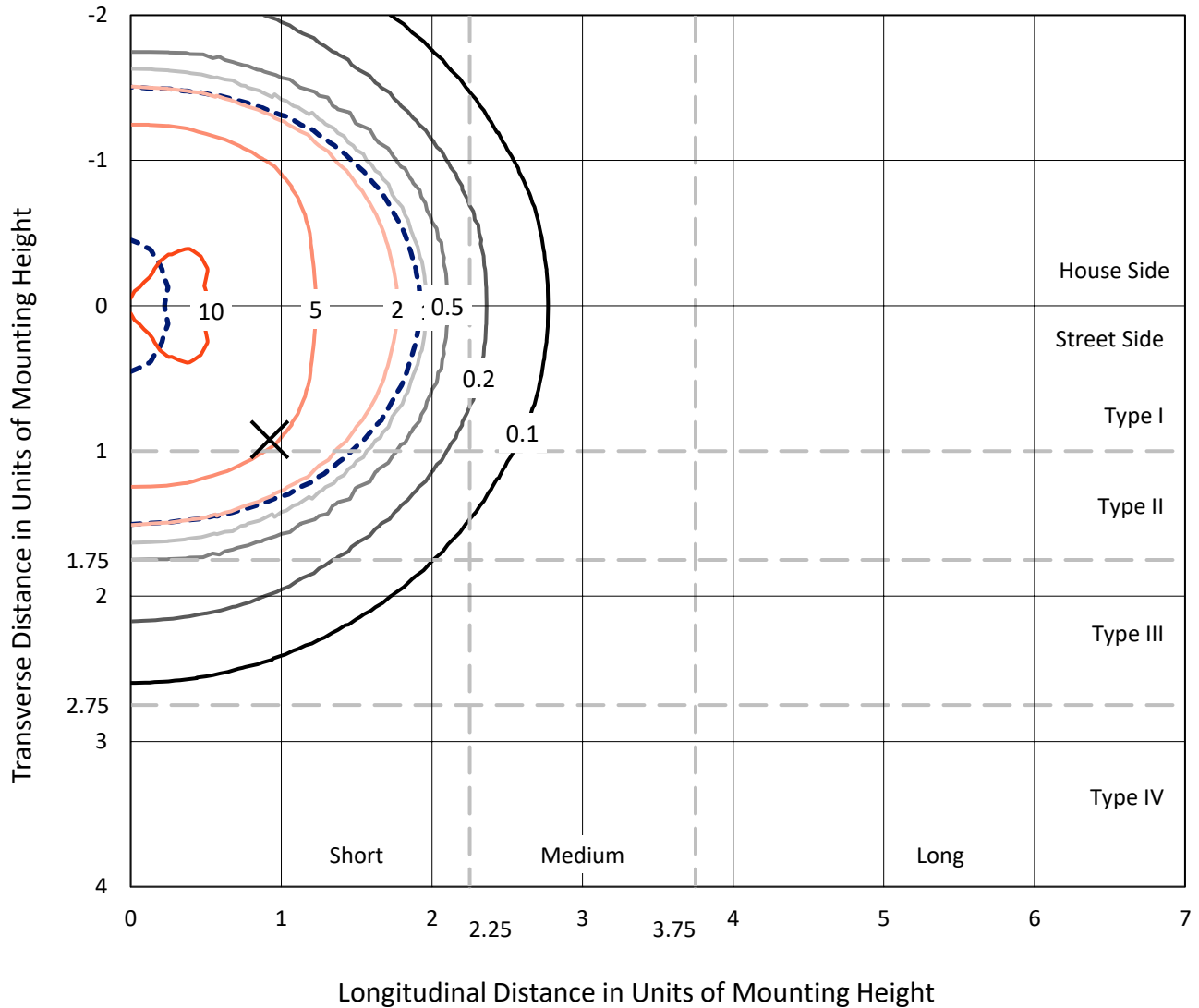
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

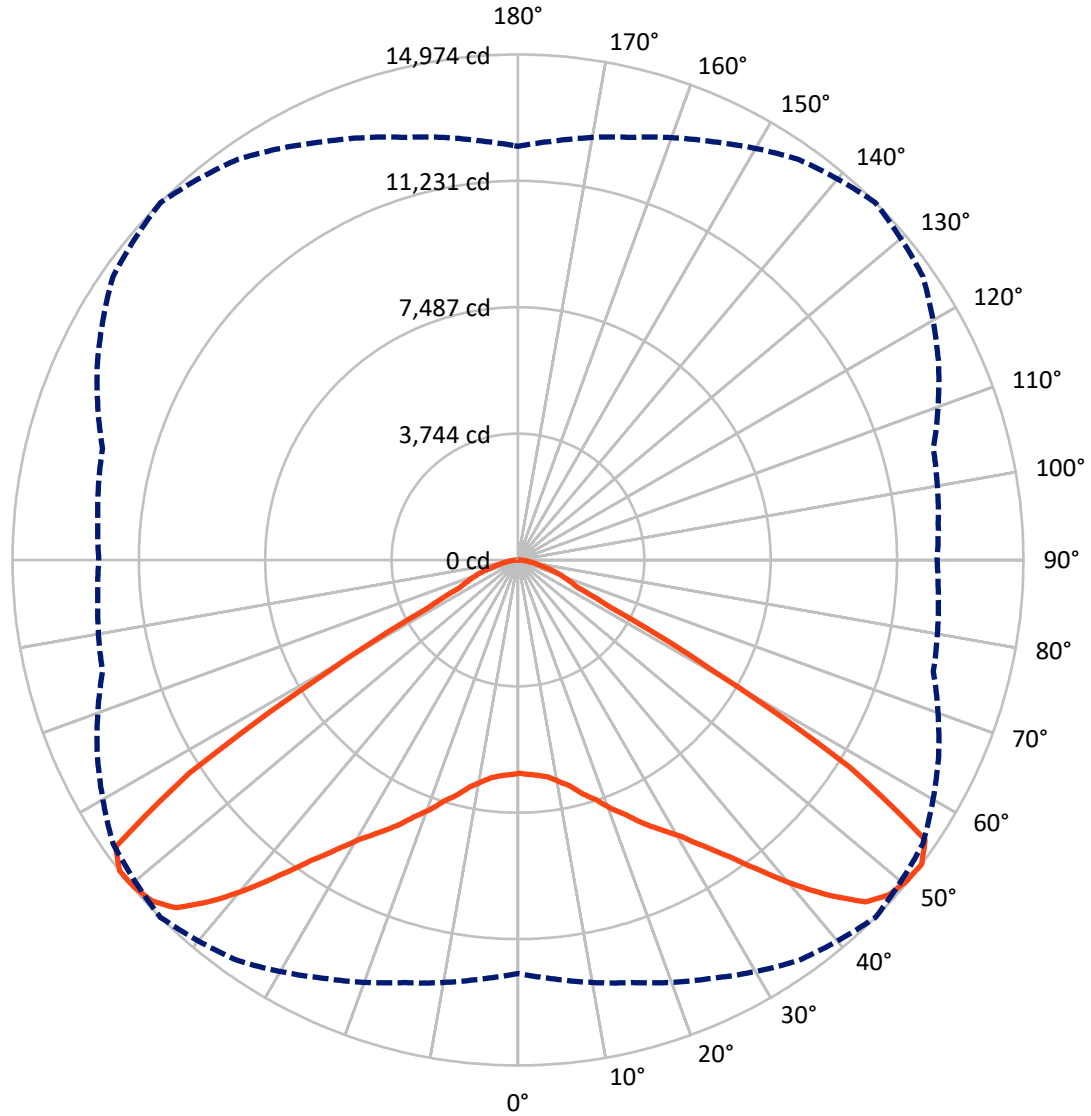
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18901.0	0.0	18901.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18901.0	0.0	18901.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37802.0	0.0	37802.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	620.8	1.6
10°-20°	2040.0	5.4
20°-30°	3883.9	10.3
30°-40°	6668.9	17.6
40°-50°	10250.3	27.1
50°-60°	10409.0	27.5
60°-70°	2900.9	7.7
70°-80°	855.7	2.3
80°-90°	172.4	0.5
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°	37802.0	100.0
0°-180°	37802.0	100.0

Coefficient of Utilization



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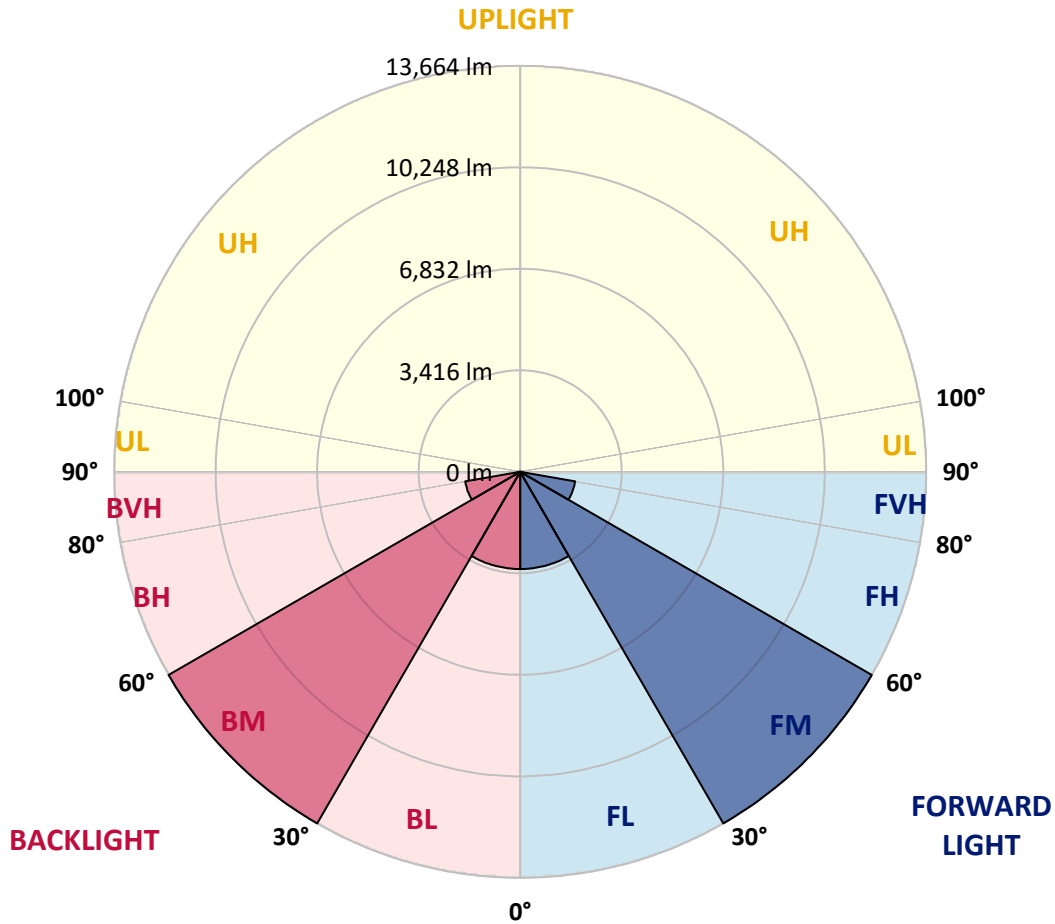
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3272.4	8.7			
FM (30°-60°)	13664.2	36.1			
FH (60°-80°)	1878.3	5.0			G2/5000
FVH (80°-90°)	86.2	0.2			G1/100
BL (0°-30°)	3272.4	8.7	B4/5000		
BM (30°-60°)	13664.2	36.1	B5		
BH (60°-80°)	1878.3	5.0	B3/2500		G2/5000
BVH (80°-90°)	86.2	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6319.1	6319.1	6319.1	6319.1	6319.1	6319.1	6319.1	6319.1	6319.1	6319.1	6319.1
2.5°	6333.2	6267.5	6291.0	6305.0	6366.0	6361.3	6347.2	6366.0	6384.8	6389.5	6380.1
5°	6328.5	6281.6	6300.3	6314.4	6375.4	6408.2	6398.9	6478.6	6534.9	6520.8	6591.2
7.5°	6291.0	6319.1	6295.6	6366.0	6417.6	6497.4	6581.8	6656.9	6727.2	6807.0	6821.1
10°	6375.4	6375.4	6417.6	6473.9	6610.0	6670.9	6792.9	6900.8	7036.9	7130.7	7093.2
12.5°	6464.5	6478.6	6478.6	6624.0	6736.6	6872.7	6985.3	7130.7	7323.0	7435.6	7491.9
15°	6553.7	6563.0	6610.0	6807.0	6975.9	7191.7	7294.9	7426.2	7534.1	7745.2	7749.9
17.5°	6633.4	6685.0	6825.8	7046.2	7257.4	7463.8	7628.0	7764.0	7857.8	7942.3	7923.5
20°	6933.7	6971.2	7116.6	7337.1	7651.4	7853.1	7909.4	7932.9	7993.9	8162.8	8111.2
22.5°	7224.5	7238.6	7374.6	7712.4	7932.9	8200.3	8261.3	8247.2	8270.7	8312.9	8387.9
25°	7524.8	7548.2	7735.9	8022.0	8331.6	8650.6	8702.3	8594.4	8561.5	8608.4	8613.1
27.5°	7909.4	7914.1	8153.4	8402.0	8753.9	9054.1	9133.8	9049.4	8894.6	8932.1	8993.1
30°	8397.3	8364.5	8603.7	8960.3	9330.9	9499.8	9635.8	9593.6	9424.7	9391.9	9340.3
32.5°	8960.3	8969.7	9185.5	9574.8	9818.8	10100.2	10245.7	10175.3	10067.4	10011.1	10043.9
35°	9753.1	9795.3	9940.7	10264.4	10658.5	10799.2	11029.1	10879.0	10597.5	10667.9	10728.9
37.5°	10405.2	10527.1	10799.2	11183.9	11418.5	11676.5	11760.9	11559.2	11352.8	11268.4	11470.1
40°	11404.4	11366.9	11667.1	12051.8	12399.0	12657.0	12549.1	12347.3	11836.0	11840.7	11897.0
42.5°	12262.9	12281.7	12511.5	12971.3	13445.1	13604.6	13262.1	12769.6	12201.9	12140.9	12262.9
45°	12985.4	13060.4	13191.8	13806.3	14270.8	14444.3	13811.0	13229.3	12469.3	12216.0	12417.7
47.5°	13243.4	13365.3	13651.5	14214.5	14674.2	14814.9	14308.3	13473.2	12718.0	12305.1	12413.0
50°	13280.9	13238.7	13707.8	14223.8	14627.3	14932.2	14486.6	13651.5	12657.0	12441.2	12408.3
52.5°	12253.5	12459.9	12961.9	13670.3	14486.6	14974.4	14646.1	13750.0	12741.4	12497.5	12417.7
55°	9917.3	9673.3	10588.1	11779.7	13280.9	14636.7	14589.8	13801.6	12793.0	12591.3	12483.4
57.5°	5535.7	5606.0	6122.1	7416.9	9354.3	11606.1	12971.3	13257.4	12769.6	12652.3	12708.6
60°	2561.4	2584.9	2805.4	3410.5	4611.5	6581.8	8378.6	10203.5	11043.2	11212.1	11212.1
62.5°	1909.3	1900.0	1956.2	2064.1	2317.5	3025.9	4039.2	5488.8	6642.8	7449.7	7660.8
65°	1726.4	1721.7	1749.8	1787.4	1806.1	1904.6	2129.8	2575.5	2950.8	3166.6	3129.1
67.5°	1510.6	1505.9	1515.3	1538.7	1571.6	1623.2	1679.5	1773.3	1904.6	1895.3	1871.8
70°	1219.7	1219.7	1233.8	1252.6	1290.1	1351.1	1416.8	1482.4	1595.0	1618.5	1613.8
72.5°	900.7	886.6	914.8	952.3	989.9	1064.9	1135.3	1196.3	1276.0	1299.5	1290.1
75°	572.3	581.7	600.5	642.7	708.4	760.0	835.0	886.6	938.2	957.0	961.7
77.5°	319.0	328.4	361.2	412.8	478.5	534.8	600.5	642.7	675.5	680.2	684.9
80°	192.3	197.0	229.9	276.8	333.1	394.1	445.7	487.9	516.0	502.0	497.3
82.5°	117.3	122.0	150.1	192.3	239.3	286.2	342.5	380.0	408.1	389.4	370.6
85°	61.0	65.7	89.1	117.3	154.8	178.3	178.3	159.5	154.8	145.4	140.7
87.5°	18.8	18.8	23.5	28.1	23.5	28.1	32.8	37.5	37.5	42.2	37.5
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)