

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: P531186

Luminaire Tested: **GALN-SA6C-727-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531186
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
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-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30775 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

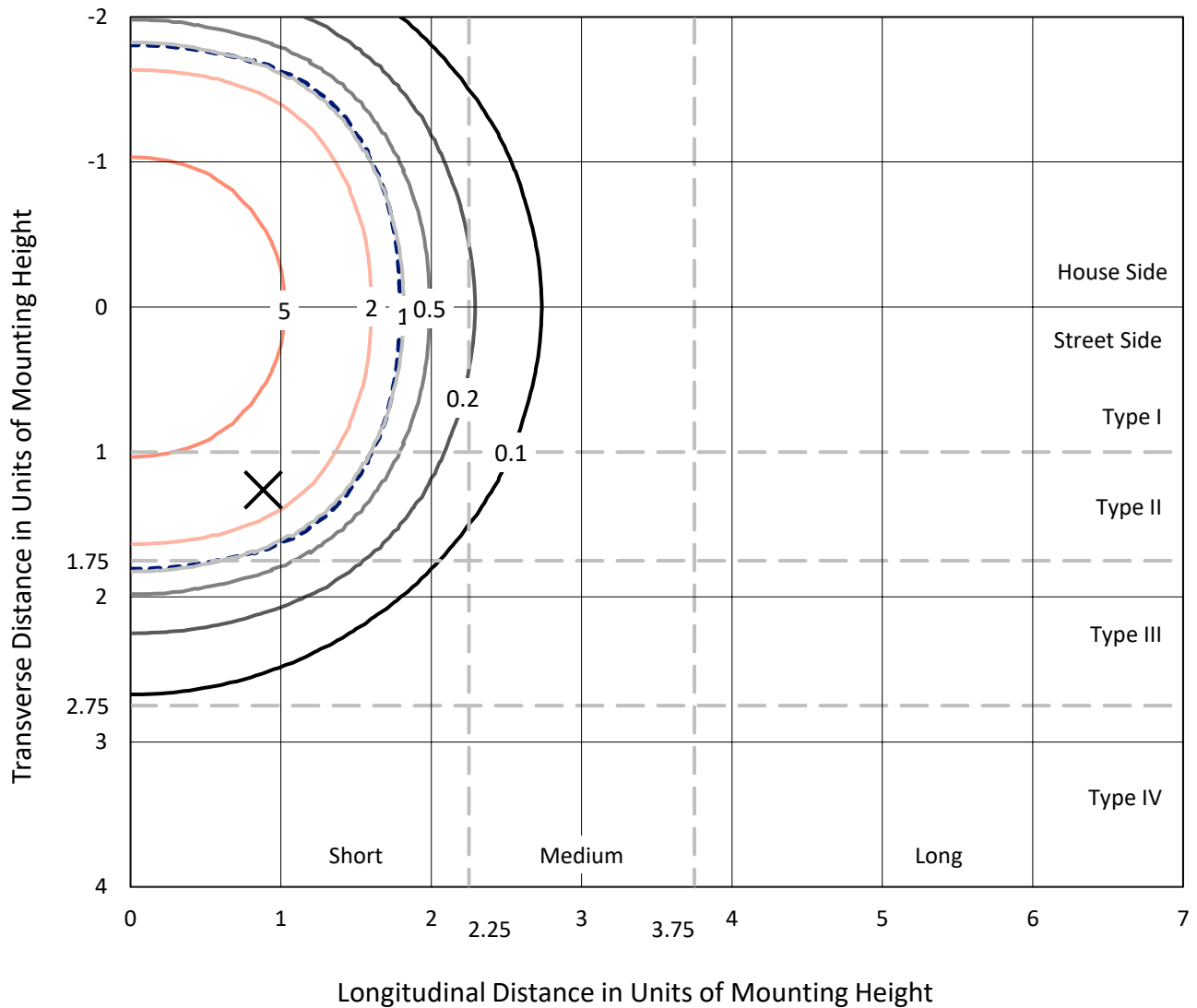
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

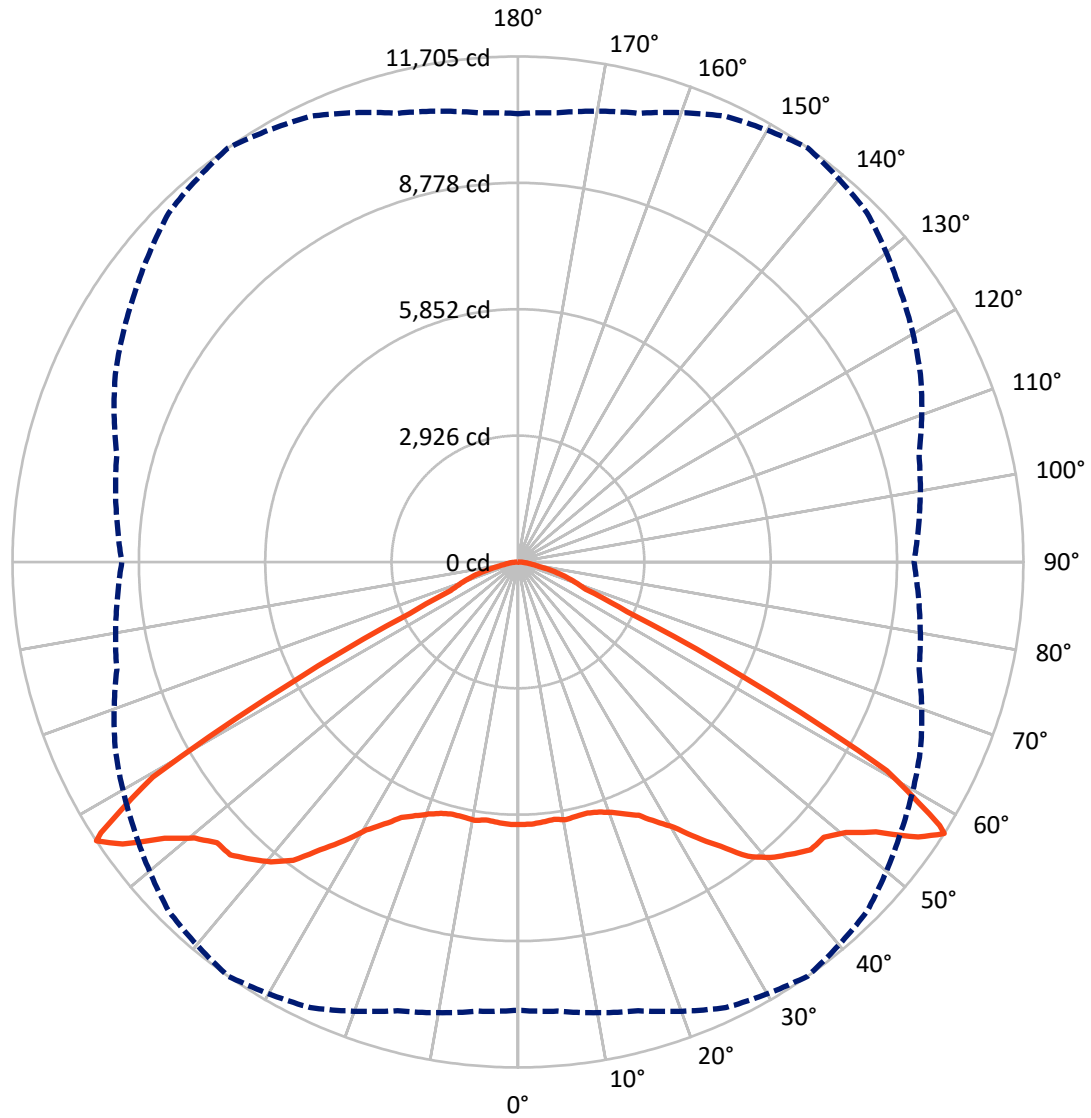
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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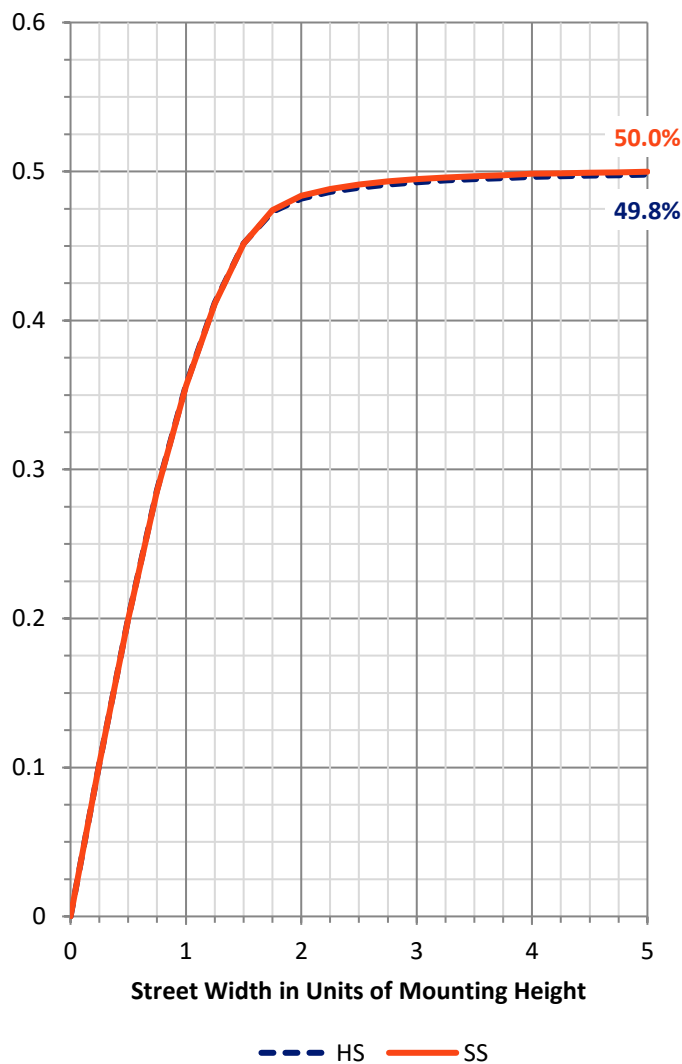
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15387.5	0.0	15387.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15387.5	0.0	15387.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30775.0	0.0	30775.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.2	1.9
10°-20°	1706.5	5.5
20°-30°	2980.5	9.7
30°-40°	4883.6	15.9
40°-50°	7160.5	23.3
50°-60°	9019.2	29.3
60°-70°	3392.0	11.0
70°-80°	901.9	2.9
80°-90°	154.6	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°	30775.0	100.0
0°-180°	30775.0	100.0

Coefficient of Utilization

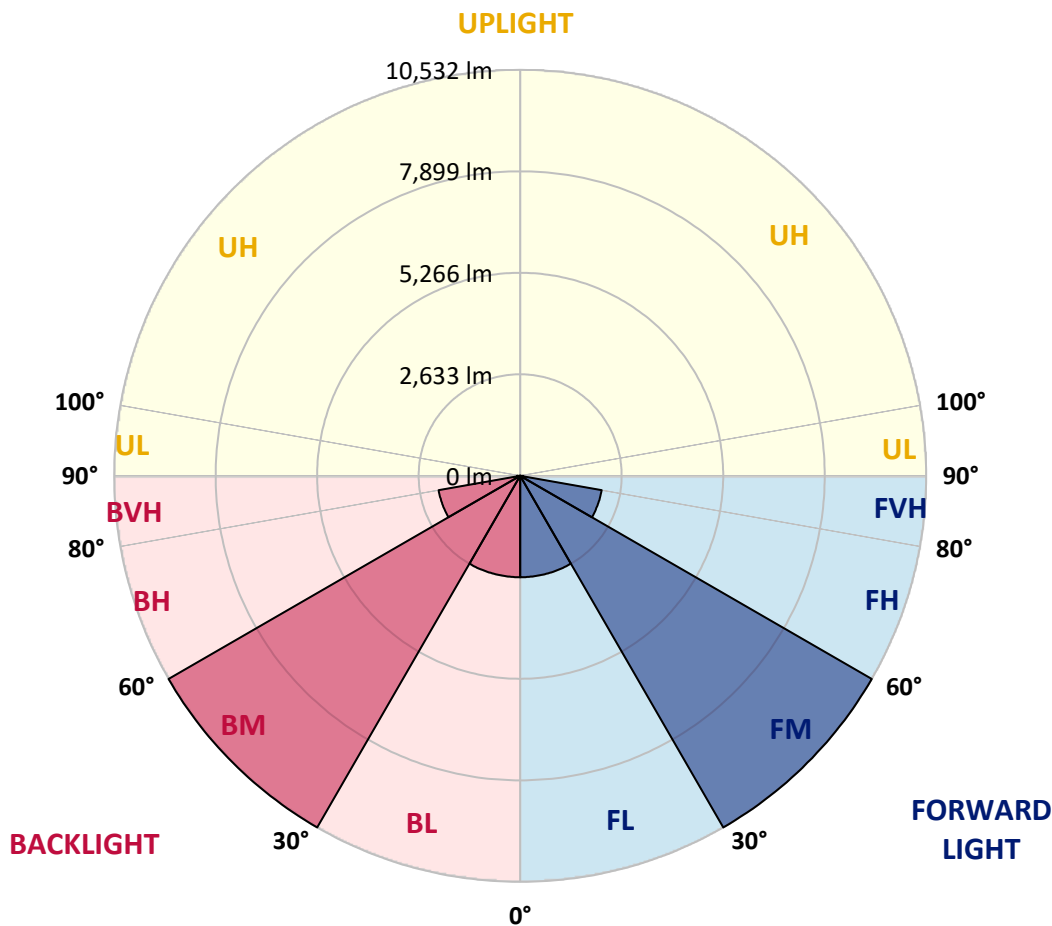


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2631.6	8.6			
FM (30°-60°)	10531.6	34.2			
FH (60°-80°)	2147.0	7.0			G2/5000
FVH (80°-90°)	77.3	0.3			G1/100
BL (0°-30°)	2631.6	8.6	B4/5000		
BM (30°-60°)	10531.6	34.2	B5		
BH (60°-80°)	2147.0	7.0	B3/2500		G2/5000
BVH (80°-90°)	77.3	0.3			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°	6077.8	6077.8	6077.8	6077.8	6077.8	6077.8	6077.8	6077.8	6077.8	6077.8	6077.8
2.5°	6047.5	6108.2	6081.6	6066.5	6077.8	6058.9	6028.5	6062.7	6055.1	6024.8	6013.4
5°	6032.3	6077.8	6047.5	6077.8	6047.5	6100.6	6085.4	6028.5	6096.8	6032.3	6055.1
7.5°	6021.0	6036.1	6043.7	6028.5	6017.2	6081.6	6047.5	6021.0	5983.0	5971.7	5990.6
10°	5994.4	6032.3	5975.5	6051.3	6066.5	6021.0	6021.0	5971.7	5941.3	5922.4	5986.8
12.5°	6062.7	5998.2	5990.6	6028.5	6039.9	6058.9	6005.8	5979.3	5922.4	5930.0	5918.6
15°	5983.0	6009.6	6013.4	6021.0	6032.3	6077.8	6028.5	5971.7	5948.9	5869.3	5876.9
17.5°	6013.4	5986.8	6013.4	6100.6	6085.4	6119.5	6066.5	5979.3	5926.2	5880.7	5941.3
20°	6066.5	6055.1	6066.5	6172.6	6191.6	6221.9	6176.4	6096.8	5994.4	5941.3	5971.7
22.5°	6123.3	6115.8	6123.3	6225.7	6335.7	6373.6	6328.1	6142.3	6089.2	5990.6	5956.5
25°	6225.7	6233.3	6312.9	6426.7	6498.7	6570.7	6487.3	6354.6	6184.0	6123.3	6051.3
27.5°	6453.2	6472.2	6517.7	6684.5	6809.6	6874.1	6756.5	6574.5	6468.4	6343.2	6324.3
30°	6733.8	6733.8	6813.4	6957.5	7128.1	7226.7	7082.6	6866.5	6737.6	6669.3	6627.6
32.5°	7105.3	7063.6	7094.0	7348.0	7613.4	7696.8	7503.5	7238.0	7033.3	6942.3	6912.0
35°	7423.8	7450.4	7518.6	7791.6	8087.4	8280.7	7977.4	7632.4	7423.8	7340.4	7325.3
37.5°	7837.1	7882.6	7916.7	8292.1	8648.5	8720.5	8428.6	8151.8	7897.8	7829.5	7791.6
40°	8421.0	8390.7	8402.0	8678.8	9001.1	9046.6	8758.5	8561.3	8352.8	8311.1	8311.1
42.5°	8902.5	8868.4	8906.3	9008.7	9255.1	9221.0	9061.8	8917.7	8830.5	8785.0	8830.5
45°	9194.5	9186.9	9255.1	9331.0	9505.4	9391.6	9266.5	9289.3	9205.9	9130.0	9126.2
47.5°	9513.0	9463.7	9547.1	9660.8	9528.1	9475.1	9467.5	9516.8	9490.2	9357.5	9315.8
50°	9668.4	9649.5	9782.2	9914.9	9842.8	9721.5	9748.0	9827.7	9486.4	9308.2	9205.9
52.5°	10085.5	10089.3	10343.3	10415.4	10385.0	10206.8	10263.7	10047.6	9645.7	9395.4	9406.8
55°	10741.4	10714.9	10999.3	11211.6	11245.7	11018.2	10745.2	10441.9	9937.6	9683.6	9607.8
57°	10381.2	10441.9	10756.6	11386.0	11704.5	11435.3	10840.0	10286.4	9615.3	9308.2	9171.7
57.5°	9899.7	9998.3	10544.3	11177.5	11511.1	11488.4	10722.5	9998.3	9399.2	8921.5	8932.9
60°	7253.2	7272.2	7765.1	8769.8	9812.5	9835.3	8902.5	7943.3	7276.0	6756.5	6828.6
62.5°	3825.7	3912.9	4110.0	4917.6	5820.0	6039.9	5475.0	4982.1	4405.8	4011.4	4049.4
65°	2024.7	2013.3	2108.1	2335.6	2779.2	2892.9	2817.1	2426.6	2225.6	2161.2	2165.0
67.5°	1645.5	1664.5	1653.1	1664.5	1694.8	1744.1	1732.7	1747.9	1759.3	1778.2	1774.4
70°	1395.3	1395.3	1402.9	1406.7	1406.7	1429.4	1456.0	1505.2	1509.0	1528.0	1535.6
72.5°	1099.5	1092.0	1103.3	1129.9	1133.7	1152.6	1190.5	1220.9	1232.2	1232.2	1209.5
75°	746.9	754.5	769.7	792.4	815.2	849.3	879.6	898.6	906.2	894.8	883.4
77.5°	420.9	428.4	439.8	473.9	500.5	530.8	564.9	583.9	602.9	606.6	583.9
80°	250.2	250.2	269.2	295.7	326.1	356.4	386.7	409.5	417.1	417.1	405.7
82.5°	151.7	155.5	170.6	197.2	223.7	242.7	269.2	288.2	303.3	299.5	291.9
85°	79.6	79.6	94.8	117.5	136.5	155.5	155.5	144.1	136.5	117.5	110.0
87.5°	26.5	22.7	30.3	30.3	26.5	30.3	30.3	34.1	34.1	34.1	34.1
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)