

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: P530306

Luminaire Tested: **GALN-SA5C-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530306
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-SA5C-735-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 1050mA 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: 27825 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

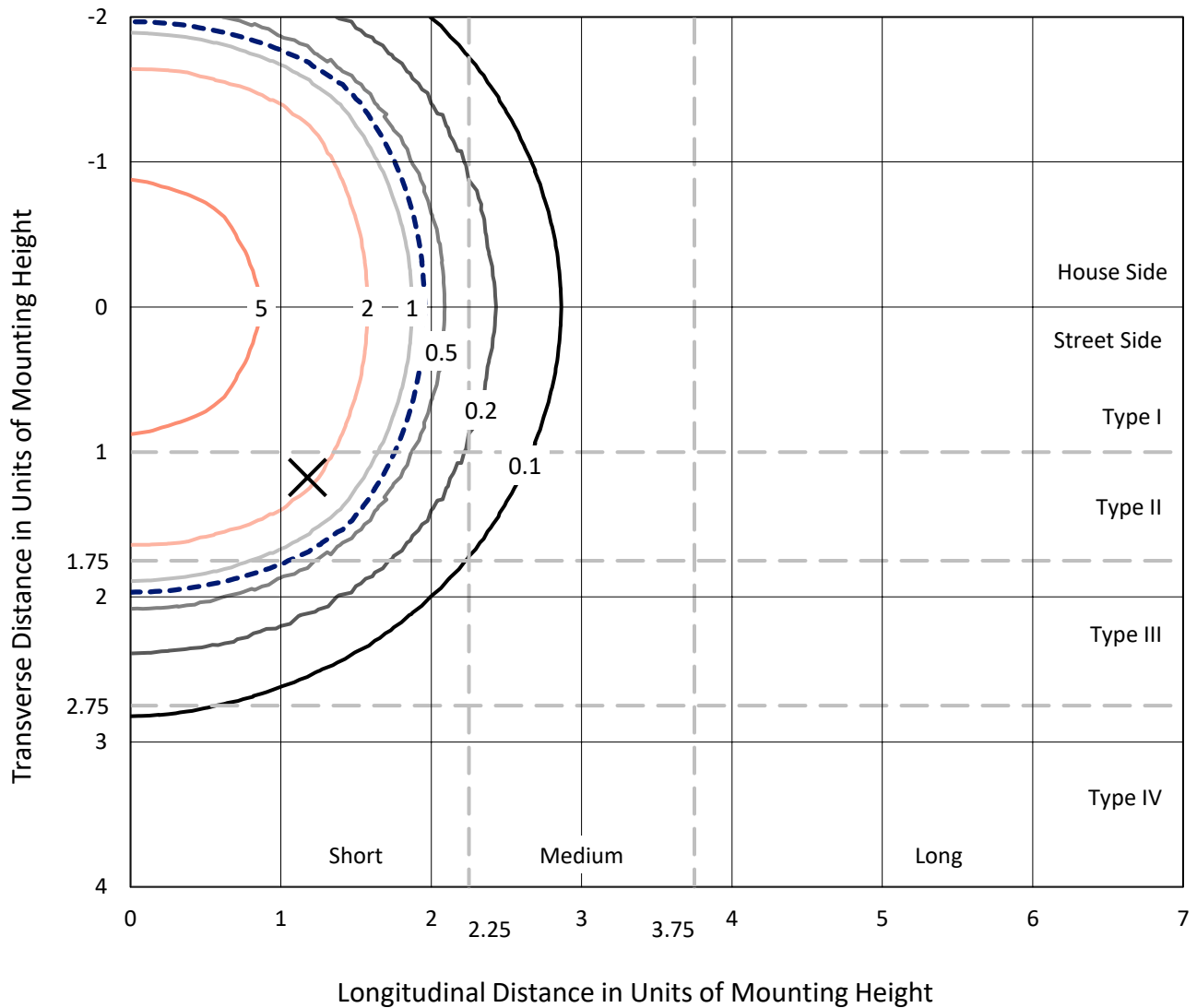
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530306
 CATALOG NUMBER: GALN-SA5C-735-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

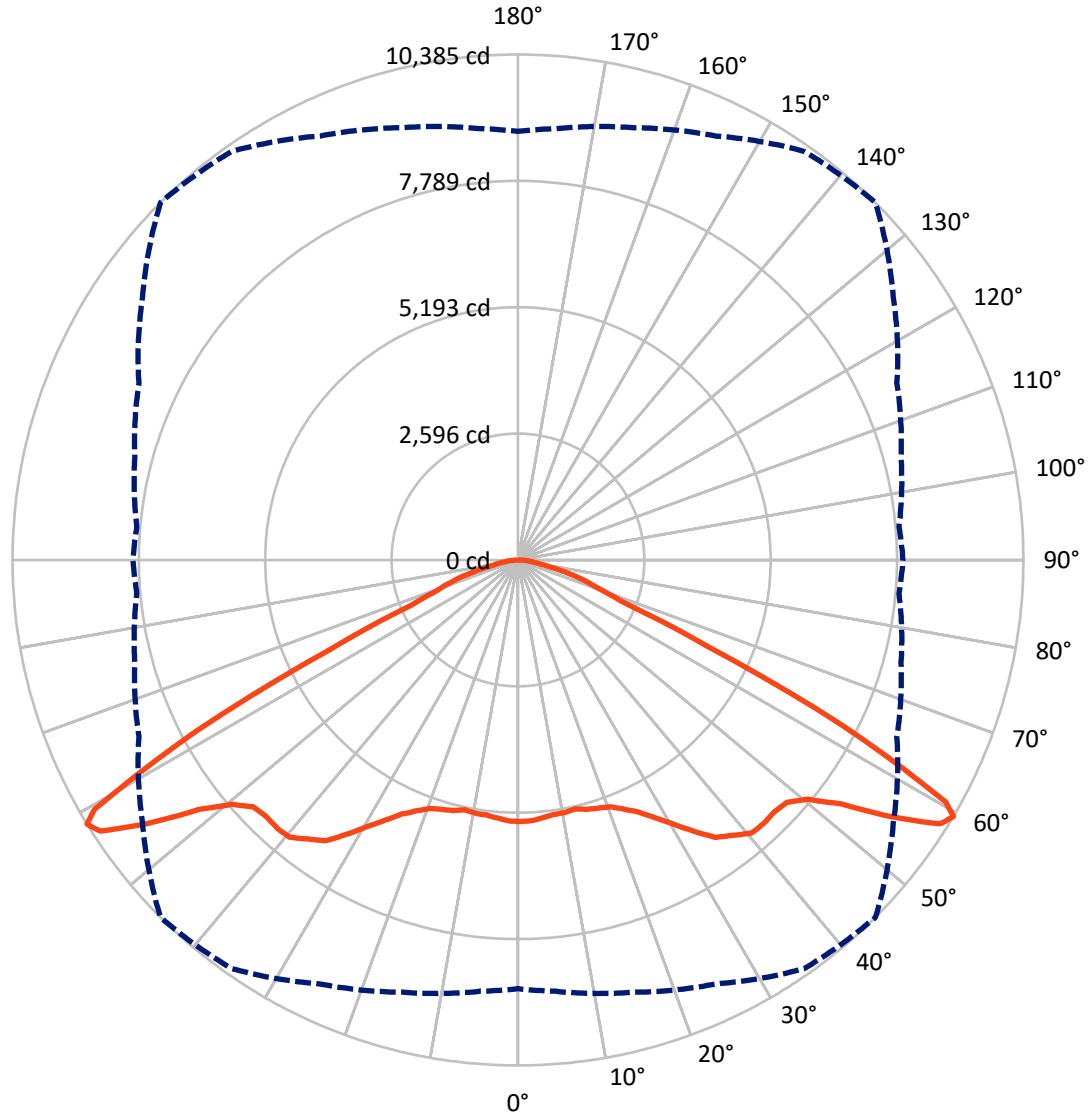
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

REPORT NUMBER: P530306
CATALOG NUMBER: GALN-SA5C-735-U-5WQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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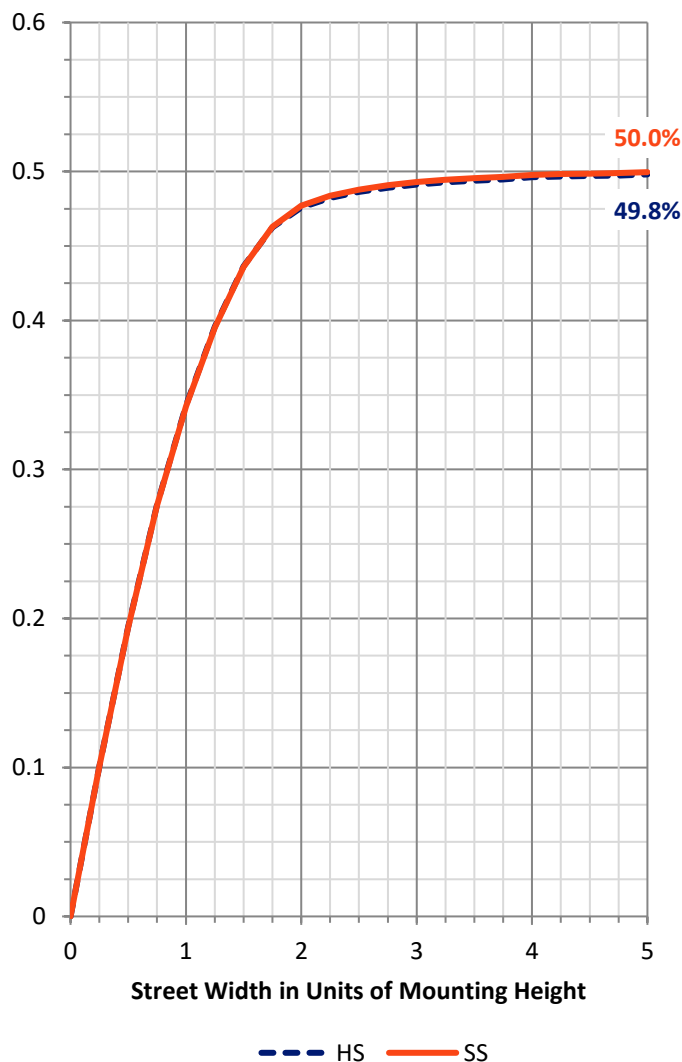
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13912.5	0.0	13912.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13912.5	0.0	13912.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27825.0	0.0	27825.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.6	1.8
10°-20°	1506.7	5.4
20°-30°	2630.8	9.5
30°-40°	4201.7	15.1
40°-50°	5723.6	20.6
50°-60°	7739.9	27.8
60°-70°	4244.6	15.3
70°-80°	1085.9	3.9
80°-90°	185.2	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°	27825.0	100.0
0°-180°	27825.0	100.0

Coefficient of Utilization



REPORT NUMBER: P530306

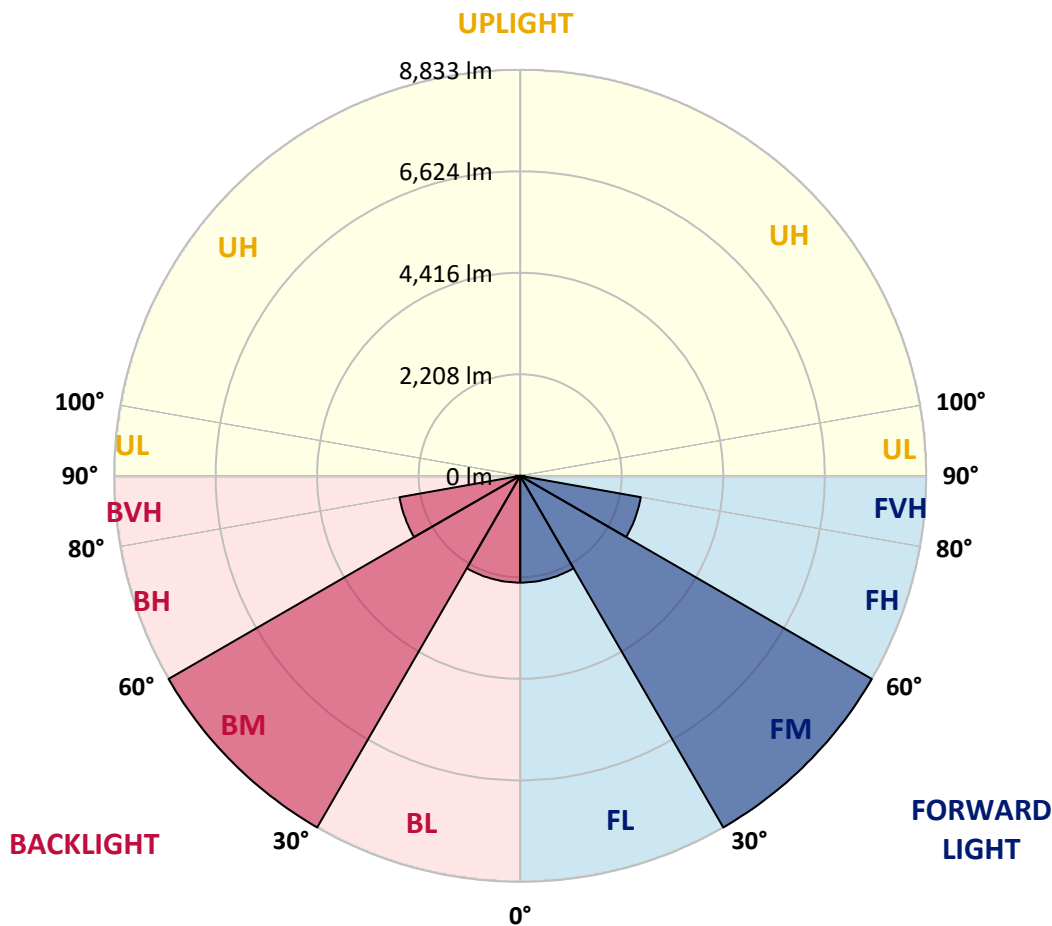
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2322.0	8.3			
FM (30°-60°)	8832.6	31.7			
FH (60°-80°)	2665.2	9.6			G2/5000
FVH (80°-90°)	92.6	0.3			G1/100
BL (0°-30°)	2322.0	8.3	B3/2500		
BM (30°-60°)	8832.6	31.7	B5		
BH (60°-80°)	2665.2	9.6	B4/5000		G2/5000
BVH (80°-90°)	92.6	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°	5374.5	5374.5	5374.5	5374.5	5374.5	5374.5	5374.5	5374.5	5374.5	5374.5	5374.5
2.5°	5342.4	5381.6	5353.1	5378.0	5374.5	5363.8	5345.9	5335.2	5321.0	5342.4	5306.7
5°	5321.0	5353.1	5385.2	5342.4	5342.4	5321.0	5310.3	5288.9	5288.9	5285.3	5281.7
7.5°	5356.6	5324.5	5310.3	5317.4	5324.5	5278.2	5310.3	5267.5	5231.8	5256.8	5285.3
10°	5324.5	5338.8	5285.3	5310.3	5271.0	5278.2	5256.8	5285.3	5246.1	5246.1	5246.1
12.5°	5356.6	5317.4	5335.2	5317.4	5306.7	5246.1	5274.6	5242.5	5238.9	5274.6	5242.5
15°	5420.8	5356.6	5342.4	5306.7	5317.4	5317.4	5288.9	5292.4	5253.2	5274.6	5281.7
17.5°	5399.4	5363.8	5353.1	5310.3	5345.9	5356.6	5303.1	5267.5	5292.4	5288.9	5285.3
20°	5417.3	5431.5	5420.8	5428.0	5442.2	5413.7	5363.8	5313.8	5281.7	5328.1	5324.5
22.5°	5531.4	5517.1	5510.0	5502.8	5527.8	5556.3	5488.6	5410.1	5410.1	5442.2	5456.5
25°	5624.1	5620.5	5617.0	5649.1	5734.7	5734.7	5649.1	5549.2	5524.2	5545.6	5527.8
27.5°	5759.6	5798.9	5784.6	5841.6	5966.5	5995.0	5880.9	5763.2	5695.4	5670.5	5702.6
30°	6069.9	6023.5	6034.2	6094.9	6205.4	6298.1	6123.4	5998.6	5905.8	5902.3	5916.5
32.5°	6276.7	6312.4	6344.5	6401.6	6576.3	6647.6	6437.2	6233.9	6176.9	6144.8	6155.5
35°	6690.4	6658.3	6651.2	6708.3	6883.0	7000.7	6736.8	6558.5	6483.6	6554.9	6554.9
37.5°	7082.7	6993.6	6925.8	7000.7	7161.2	7175.5	6950.8	6854.5	6815.3	6897.3	6893.7
40°	7268.2	7261.0	7104.1	7146.9	7360.9	7382.3	7171.9	7057.8	7050.6	7157.6	7264.6
42.5°	7460.8	7393.0	7236.1	7264.6	7396.6	7403.7	7204.0	7171.9	7250.3	7353.8	7360.9
45°	7492.9	7435.8	7335.9	7264.6	7360.9	7382.3	7264.6	7286.0	7293.1	7418.0	7418.0
47.5°	7557.1	7549.9	7492.9	7439.4	7457.2	7439.4	7364.5	7396.6	7503.6	7564.2	7535.7
50°	7735.4	7660.5	7717.5	7671.2	7674.7	7724.7	7656.9	7689.0	7667.6	7614.1	7578.5
52.5°	8127.7	8092.0	8141.9	8174.0	8209.7	8323.8	8245.4	8074.2	7913.7	7771.0	7767.5
55°	8701.8	8726.8	8823.1	8987.2	9126.2	9308.1	8930.1	8520.0	8263.2	8038.5	8052.8
57.5°	9243.9	9226.1	9358.0	9732.5	10139.1	10231.8	9490.0	8905.1	8487.9	8345.2	8284.6
59°	8808.8	8894.4	9194.0	9611.3	10249.6	10385.2	9415.1	8591.3	8149.1	7860.2	7910.1
60°	8124.1	8156.2	8423.7	9005.0	9868.0	10099.8	8912.3	8106.3	7517.8	7350.2	7425.1
62.5°	5741.8	5716.8	5909.4	6383.7	7157.6	7471.5	6626.2	6059.2	5688.3	5502.8	5545.6
65°	3052.8	3166.9	3245.4	3541.4	3951.5	4283.2	3933.7	3687.6	3480.7	3327.4	3323.8
67.5°	2061.3	2047.1	2064.9	2132.7	2271.8	2364.5	2357.3	2232.5	2214.7	2186.2	2218.3
70°	1736.8	1729.7	1697.6	1697.6	1726.1	1747.5	1772.5	1786.7	1815.3	1850.9	1847.4
72.5°	1408.7	1390.9	1369.5	1358.8	1394.4	1405.1	1437.2	1451.5	1476.5	1472.9	1505.0
75°	930.8	930.8	955.8	984.3	995.0	1016.4	1020.0	1062.8	1062.8	1069.9	1041.4
77.5°	520.7	506.4	524.3	552.8	577.7	617.0	656.2	688.3	706.1	699.0	699.0
80°	303.1	303.1	321.0	353.1	385.2	420.8	449.4	474.3	492.2	485.0	470.8
82.5°	189.0	189.0	206.8	238.9	263.9	285.3	324.5	356.6	378.0	370.9	353.1
85°	96.3	96.3	117.7	139.1	171.2	185.4	181.9	167.6	164.1	146.2	146.2
87.5°	25.0	25.0	35.7	39.2	32.1	35.7	35.7	35.7	35.7	35.7	39.2
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)