

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: P531238

Luminaire Tested: **GALN-SA6C-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531238
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-735-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 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: 34279 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

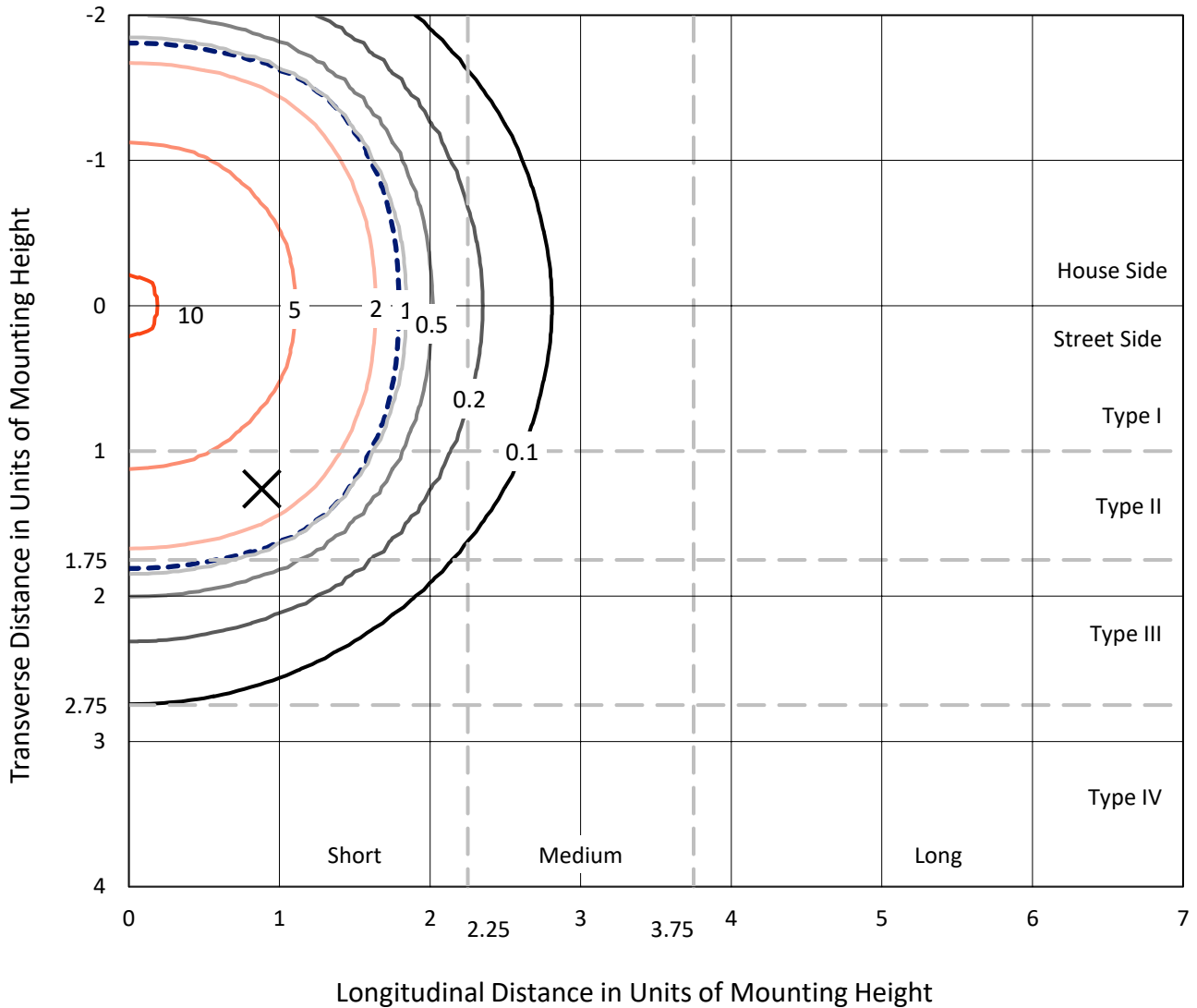
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

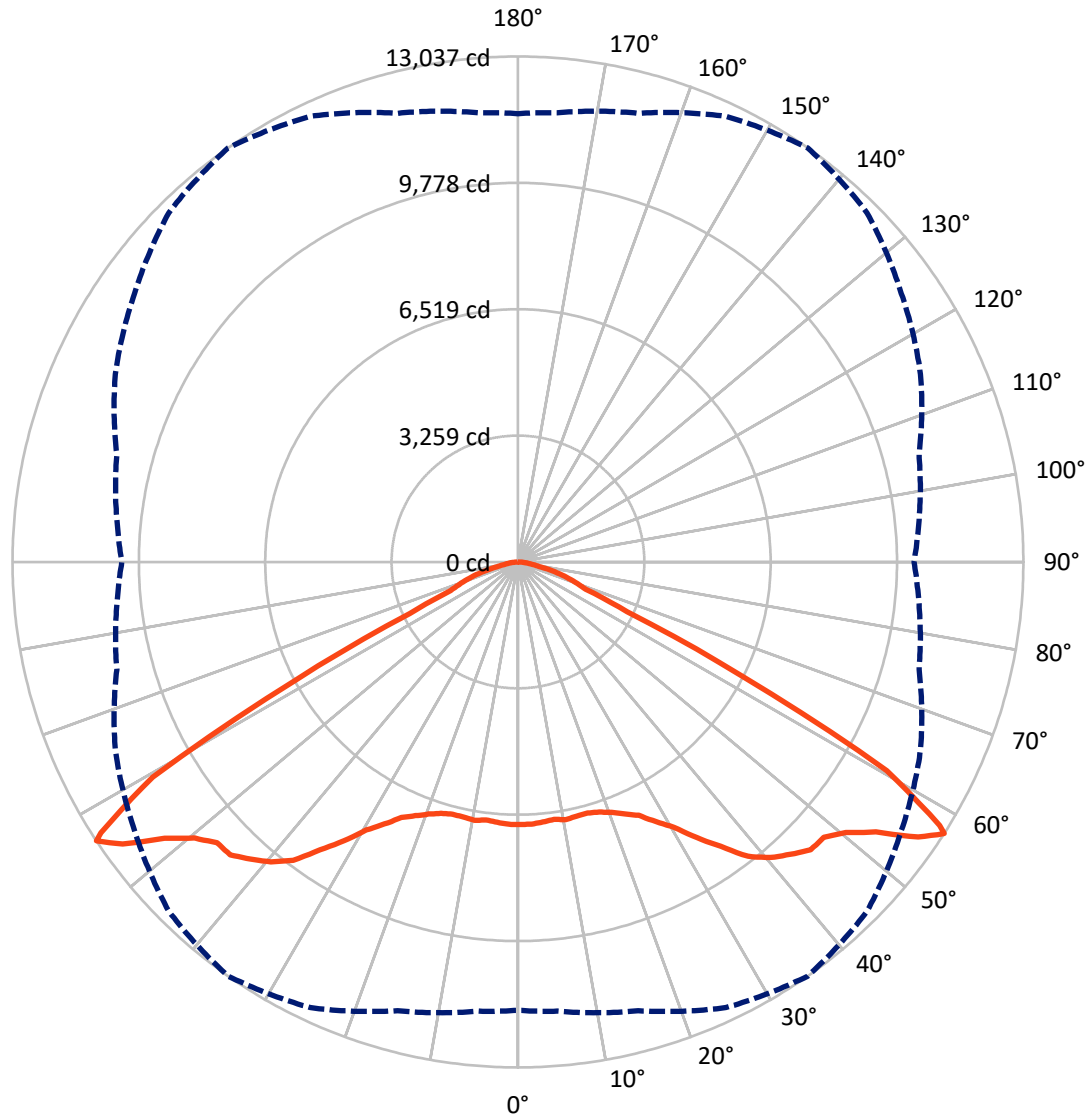
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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	17139.5	0.0	17139.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17139.5	0.0	17139.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34279.0	0.0	34279.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.8	1.9
10°-20°	1900.8	5.5
20°-30°	3319.8	9.7
30°-40°	5439.6	15.9
40°-50°	7975.8	23.3
50°-60°	10046.1	29.3
60°-70°	3778.2	11.0
70°-80°	1004.6	2.9
80°-90°	172.3	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°	34279.0	100.0
0°-180°	34279.0	100.0

Coefficient of Utilization



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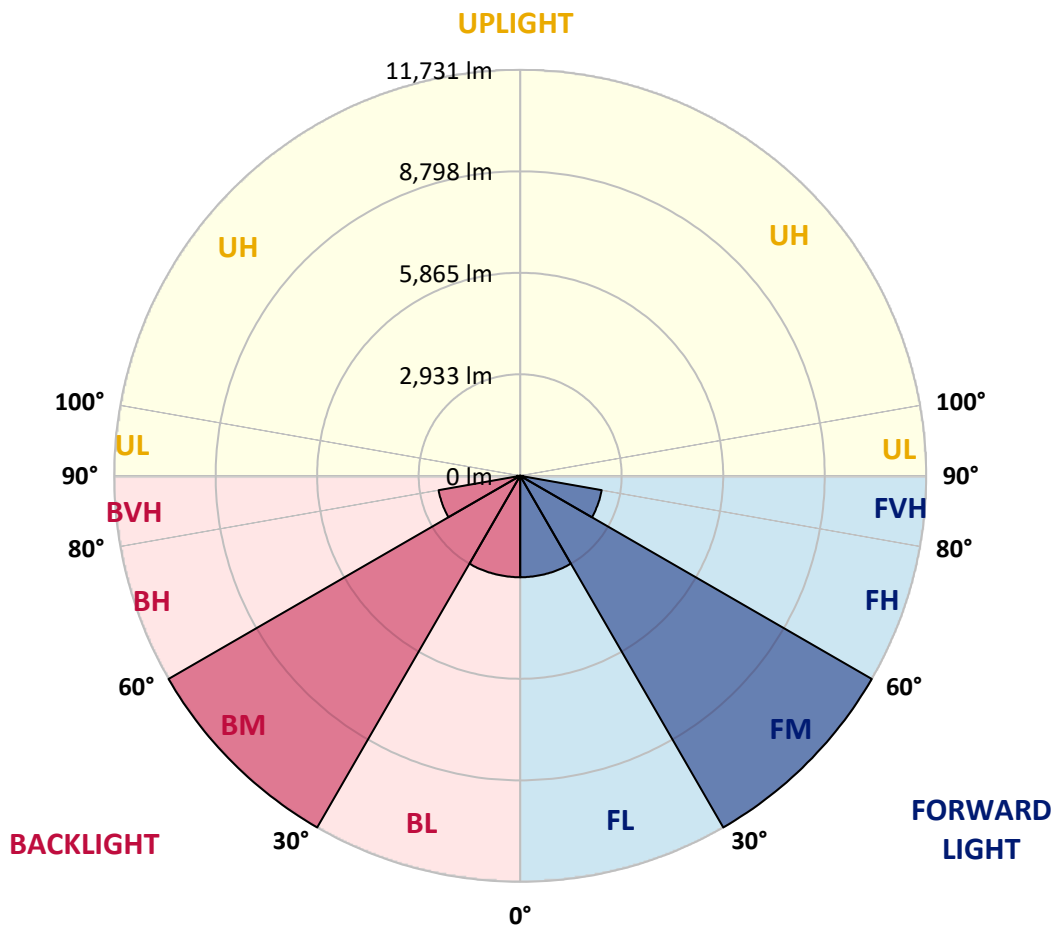
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2931.2	8.6			
FM (30°-60°)	11730.7	34.2			
FH (60°-80°)	2391.4	7.0			G2/5000
FVH (80°-90°)	86.1	0.3			G1/100
BL (0°-30°)	2931.2	8.6	B4/5000		
BM (30°-60°)	11730.7	34.2	B5		
BH (60°-80°)	2391.4	7.0	B3/2500		G2/5000
BVH (80°-90°)	86.1	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°	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8
2.5°	6736.1	6803.6	6774.1	6757.2	6769.8	6748.7	6714.9	6753.0	6744.5	6710.7	6698.1
5°	6719.2	6769.8	6736.1	6769.8	6736.1	6795.2	6778.3	6714.9	6791.0	6719.2	6744.5
7.5°	6706.5	6723.4	6731.8	6714.9	6702.3	6774.1	6736.1	6706.5	6664.3	6651.6	6672.7
10°	6676.9	6719.2	6655.8	6740.3	6757.2	6706.5	6706.5	6651.6	6617.8	6596.7	6668.5
12.5°	6753.0	6681.2	6672.7	6714.9	6727.6	6748.7	6689.6	6660.0	6596.7	6605.1	6592.5
15°	6664.3	6693.8	6698.1	6706.5	6719.2	6769.8	6714.9	6651.6	6626.3	6537.6	6546.0
17.5°	6698.1	6668.5	6698.1	6795.2	6778.3	6816.3	6757.2	6660.0	6600.9	6550.2	6617.8
20°	6757.2	6744.5	6757.2	6875.4	6896.5	6930.3	6879.7	6791.0	6676.9	6617.8	6651.6
22.5°	6820.5	6812.1	6820.5	6934.6	7057.0	7099.3	7048.6	6841.6	6782.5	6672.7	6634.7
25°	6934.6	6943.0	7031.7	7158.4	7238.6	7318.9	7226.0	7078.1	6888.1	6820.5	6740.3
27.5°	7188.0	7209.1	7259.7	7445.6	7584.9	7656.7	7525.8	7323.1	7204.8	7065.5	7044.4
30°	7500.5	7500.5	7589.2	7749.6	7939.7	8049.5	7889.0	7648.3	7504.7	7428.7	7382.2
32.5°	7914.3	7867.9	7901.7	8184.6	8480.3	8573.2	8357.8	8062.2	7834.1	7732.7	7699.0
35°	8269.1	8298.7	8374.7	8678.8	9008.2	9223.6	8885.7	8501.4	8269.1	8176.2	8159.3
37.5°	8729.4	8780.1	8818.1	9236.2	9633.2	9713.4	9388.3	9080.0	8797.0	8721.0	8678.8
40°	9379.8	9346.0	9358.7	9667.0	10026.0	10076.6	9755.7	9536.1	9303.8	9257.3	9257.3
42.5°	9916.2	9878.2	9920.4	10034.4	10308.9	10270.9	10093.5	9933.1	9835.9	9785.2	9835.9
45°	10241.4	10232.9	10308.9	10393.4	10587.7	10461.0	10321.6	10346.9	10254.0	10169.6	10165.3
47.5°	10596.1	10541.2	10634.1	10760.8	10613.0	10553.9	10545.4	10600.3	10570.8	10423.0	10376.5
50°	10769.3	10748.1	10896.0	11043.8	10963.5	10828.4	10857.9	10946.6	10566.5	10368.0	10254.0
52.5°	11233.8	11238.0	11521.0	11601.2	11567.4	11369.0	11432.3	11191.6	10743.9	10465.2	10477.9
55°	11964.4	11934.9	12251.6	12488.1	12526.1	12272.7	11968.7	11630.8	11069.1	10786.1	10701.7
57°	11563.2	11630.8	11981.3	12682.4	13037.1	12737.3	12074.2	11457.6	10710.1	10368.0	10216.0
57.5°	11026.9	11136.7	11744.8	12450.1	12821.7	12796.4	11943.3	11136.7	10469.4	9937.3	9949.9
60°	8079.1	8100.2	8649.2	9768.3	10929.7	10955.1	9916.2	8847.7	8104.4	7525.8	7606.1
62.5°	4261.2	4358.4	4578.0	5477.5	6482.7	6727.6	6098.4	5549.3	4907.4	4468.2	4510.4
65°	2255.2	2242.5	2348.1	2601.5	3095.6	3222.3	3137.9	2702.9	2479.0	2407.2	2411.5
67.5°	1832.9	1854.0	1841.3	1854.0	1887.8	1942.7	1930.0	1946.9	1959.6	1980.7	1976.5
70°	1554.2	1554.2	1562.6	1566.8	1566.8	1592.2	1621.7	1676.6	1680.8	1702.0	1710.4
72.5°	1224.7	1216.3	1229.0	1258.5	1262.7	1283.9	1326.1	1359.9	1372.6	1372.6	1347.2
75°	832.0	840.4	857.3	882.7	908.0	946.0	979.8	1000.9	1009.4	996.7	984.0
77.5°	468.8	477.2	489.9	527.9	557.5	591.3	629.3	650.4	671.5	675.7	650.4
80°	278.7	278.7	299.8	329.4	363.2	397.0	430.8	456.1	464.6	464.6	451.9
82.5°	168.9	173.2	190.0	219.6	249.2	270.3	299.8	321.0	337.9	333.6	325.2
85°	88.7	88.7	105.6	130.9	152.0	173.2	173.2	160.5	152.0	130.9	122.5
87.5°	29.6	25.3	33.8	33.8	29.6	33.8	33.8	38.0	38.0	38.0	38.0
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)