

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: P530072

Luminaire Tested: **GALN-SA5B-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530072
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-SA5B-735-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 800mA 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: 22520 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

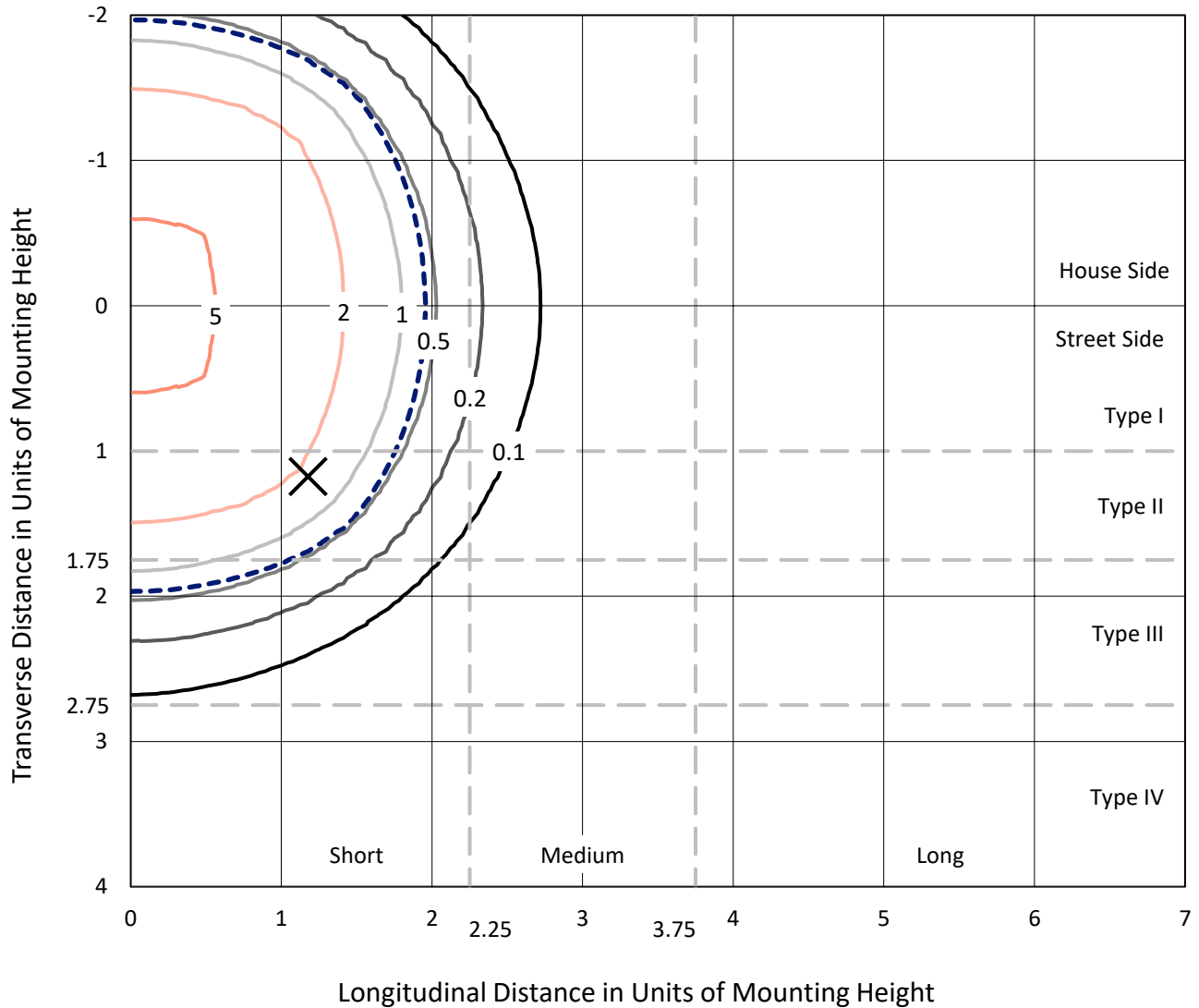
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

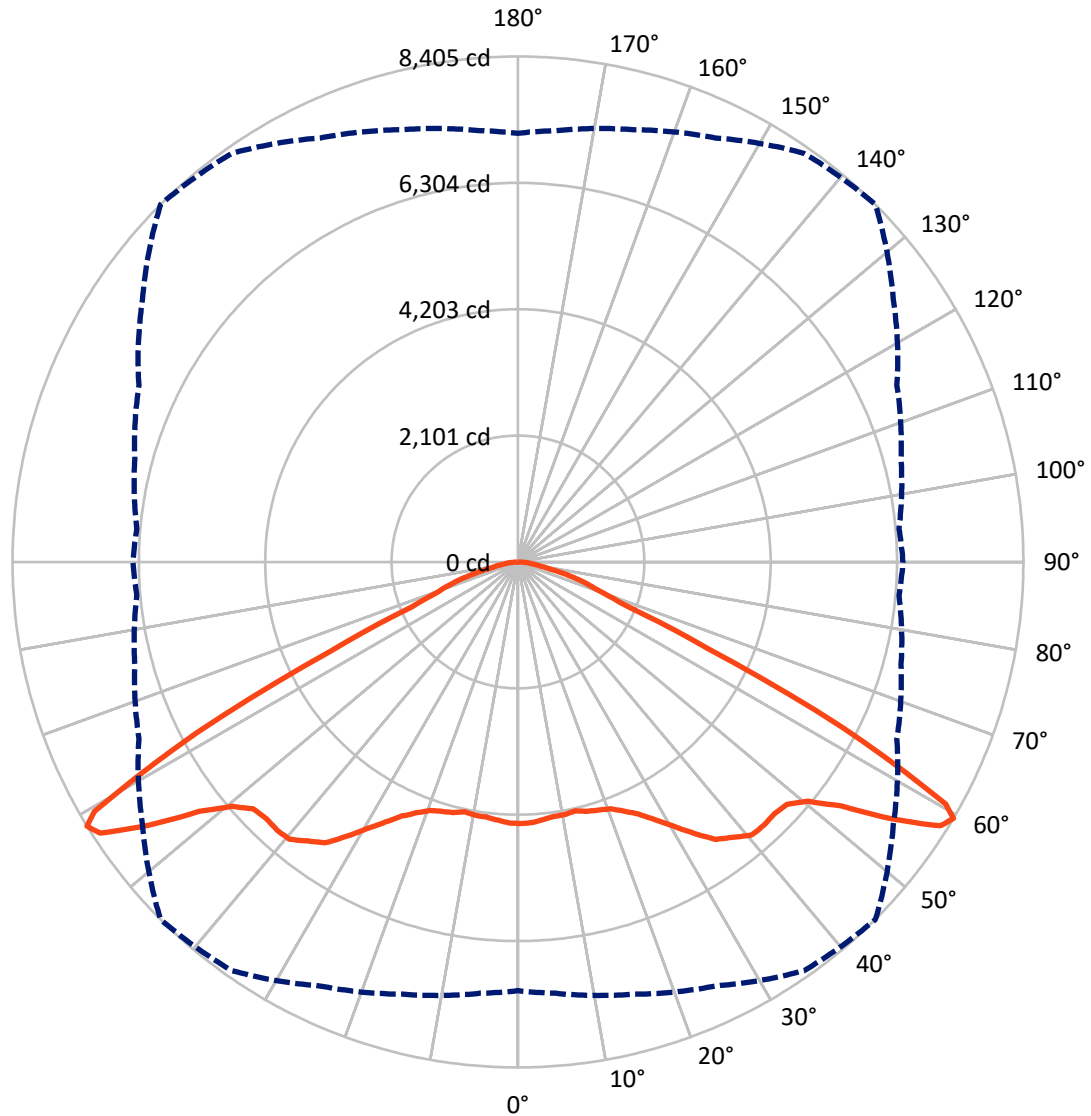
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - N/A

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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	11260.0	0.0	11260.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11260.0	0.0	11260.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22520.0	0.0	22520.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.0	1.8
10°-20°	1219.4	5.4
20°-30°	2129.2	9.5
30°-40°	3400.7	15.1
40°-50°	4632.4	20.6
50°-60°	6264.2	27.8
60°-70°	3435.3	15.3
70°-80°	878.9	3.9
80°-90°	149.9	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°	22520.0	100.0
0°-180°	22520.0	100.0



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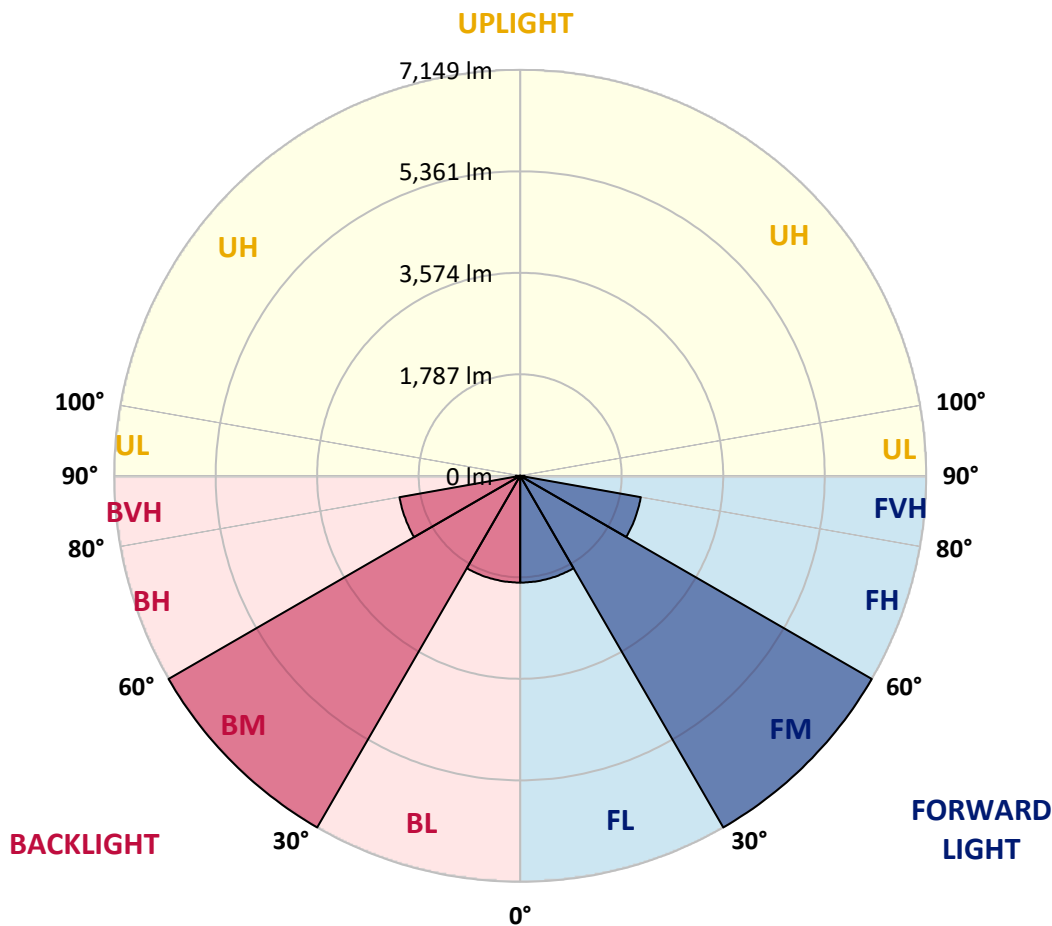
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1879.3	8.3			
FM (30°-60°)	7148.6	31.7			
FH (60°-80°)	2157.1	9.6			G2/5000
FVH (80°-90°)	75.0	0.3			G1/100
BL (0°-30°)	1879.3	8.3	B3/2500		
BM (30°-60°)	7148.6	31.7	B4/8500		
BH (60°-80°)	2157.1	9.6	B3/2500		G2/5000
BVH (80°-90°)	75.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4349.8	4349.8	4349.8	4349.8	4349.8	4349.8	4349.8	4349.8	4349.8	4349.8	4349.8
2.5°	4323.8	4355.6	4332.5	4352.7	4349.8	4341.1	4326.7	4318.0	4306.5	4323.8	4294.9
5°	4306.5	4332.5	4358.4	4323.8	4323.8	4306.5	4297.8	4280.5	4280.5	4277.6	4274.7
7.5°	4335.4	4309.4	4297.8	4303.6	4309.4	4271.9	4297.8	4263.2	4234.3	4254.5	4277.6
10°	4309.4	4320.9	4277.6	4297.8	4266.1	4271.9	4254.5	4277.6	4245.9	4245.9	4245.9
12.5°	4335.4	4303.6	4318.0	4303.6	4294.9	4245.9	4269.0	4243.0	4240.1	4269.0	4243.0
15°	4387.3	4335.4	4323.8	4294.9	4303.6	4303.6	4280.5	4283.4	4251.6	4269.0	4274.7
17.5°	4370.0	4341.1	4332.5	4297.8	4326.7	4335.4	4292.1	4263.2	4283.4	4280.5	4277.6
20°	4384.4	4396.0	4387.3	4393.1	4404.6	4381.5	4341.1	4300.7	4274.7	4312.3	4309.4
22.5°	4476.8	4465.2	4459.5	4453.7	4473.9	4497.0	4442.2	4378.7	4378.7	4404.6	4416.2
25°	4551.8	4548.9	4546.1	4572.0	4641.3	4641.3	4572.0	4491.2	4471.0	4488.3	4473.9
27.5°	4661.5	4693.3	4681.7	4727.9	4828.9	4852.0	4759.7	4664.4	4609.6	4589.4	4615.3
30°	4912.6	4875.1	4883.8	4932.8	5022.3	5097.4	4955.9	4854.9	4779.9	4777.0	4788.5
32.5°	5080.0	5108.9	5134.9	5181.1	5322.5	5380.2	5209.9	5045.4	4999.2	4973.2	4981.9
35°	5414.9	5388.9	5383.1	5429.3	5570.7	5666.0	5452.4	5308.1	5247.5	5305.2	5305.2
37.5°	5732.4	5660.2	5605.4	5666.0	5795.9	5807.4	5625.6	5547.6	5515.9	5582.3	5579.4
40°	5882.5	5876.7	5749.7	5784.3	5957.5	5974.8	5804.5	5712.2	5706.4	5793.0	5879.6
42.5°	6038.3	5983.5	5856.5	5879.6	5986.4	5992.1	5830.5	5804.5	5868.0	5951.7	5957.5
45°	6064.3	6018.1	5937.3	5879.6	5957.5	5974.8	5879.6	5896.9	5902.7	6003.7	6003.7
47.5°	6116.3	6110.5	6064.3	6021.0	6035.4	6021.0	5960.4	5986.4	6073.0	6122.0	6098.9
50°	6260.6	6200.0	6246.1	6208.6	6211.5	6251.9	6197.1	6223.1	6205.7	6162.4	6133.6
52.5°	6578.1	6549.2	6589.6	6615.6	6644.5	6736.8	6673.3	6534.8	6404.9	6289.4	6286.6
55°	7042.8	7063.0	7140.9	7273.7	7386.3	7533.5	7227.5	6895.6	6687.8	6505.9	6517.5
57.5°	7481.5	7467.1	7573.9	7877.0	8206.0	8281.0	7680.7	7207.3	6869.6	6754.1	6705.1
59°	7129.4	7198.7	7441.1	7778.8	8295.5	8405.2	7620.1	6953.3	6595.4	6361.6	6402.0
60°	6575.2	6601.2	6817.6	7288.1	7986.6	8174.3	7213.1	6560.8	6084.5	5948.8	6009.5
62.5°	4647.1	4626.9	4782.7	5166.6	5793.0	6047.0	5362.9	4904.0	4603.8	4453.7	4488.3
65°	2470.7	2563.1	2626.6	2866.2	3198.1	3466.6	3183.7	2984.5	2817.1	2693.0	2690.1
67.5°	1668.3	1656.8	1671.2	1726.1	1838.6	1913.7	1907.9	1806.9	1792.4	1769.4	1795.3
70°	1405.7	1399.9	1373.9	1373.9	1397.0	1414.3	1434.5	1446.1	1469.2	1498.0	1495.1
72.5°	1140.1	1125.7	1108.4	1099.7	1128.6	1137.2	1163.2	1174.8	1195.0	1192.1	1218.1
75°	753.3	753.3	773.6	796.6	805.3	822.6	825.5	860.1	860.1	865.9	842.8
77.5°	421.4	409.9	424.3	447.4	467.6	499.3	531.1	557.1	571.5	565.7	565.7
80°	245.3	245.3	259.8	285.8	311.7	340.6	363.7	383.9	398.3	392.5	381.0
82.5°	153.0	153.0	167.4	193.4	213.6	230.9	262.7	288.6	306.0	300.2	285.8
85°	77.9	77.9	95.3	112.6	138.5	150.1	147.2	135.7	132.8	118.3	118.3
87.5°	20.2	20.2	28.9	31.8	26.0	28.9	28.9	28.9	28.9	28.9	31.8
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)