

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: P533816

Luminaire Tested: **GALN-SA9B-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533816
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-SA9B-735-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 40767 lumens
Efficiency: N/A
Efficacy: 112.0 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

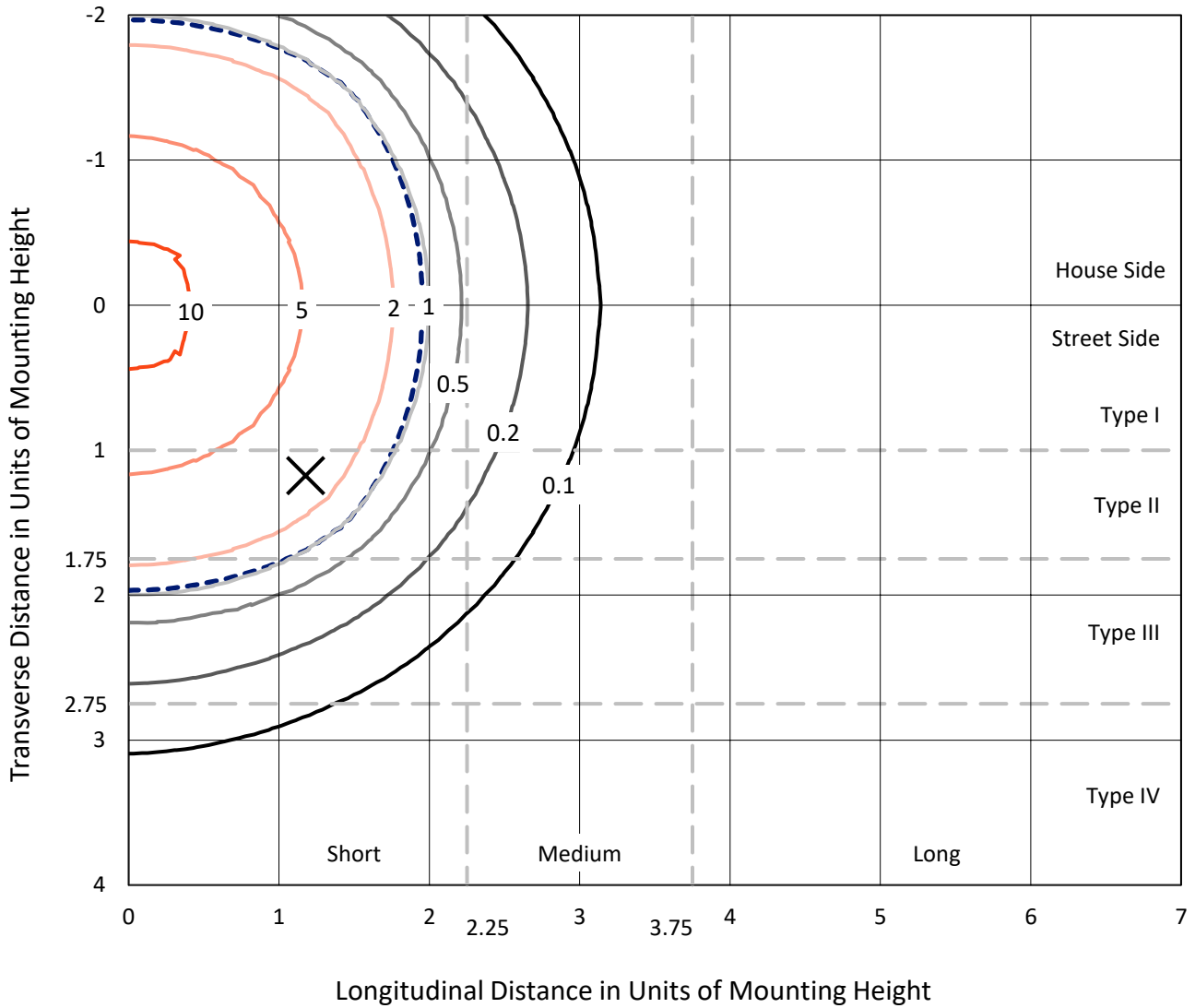
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

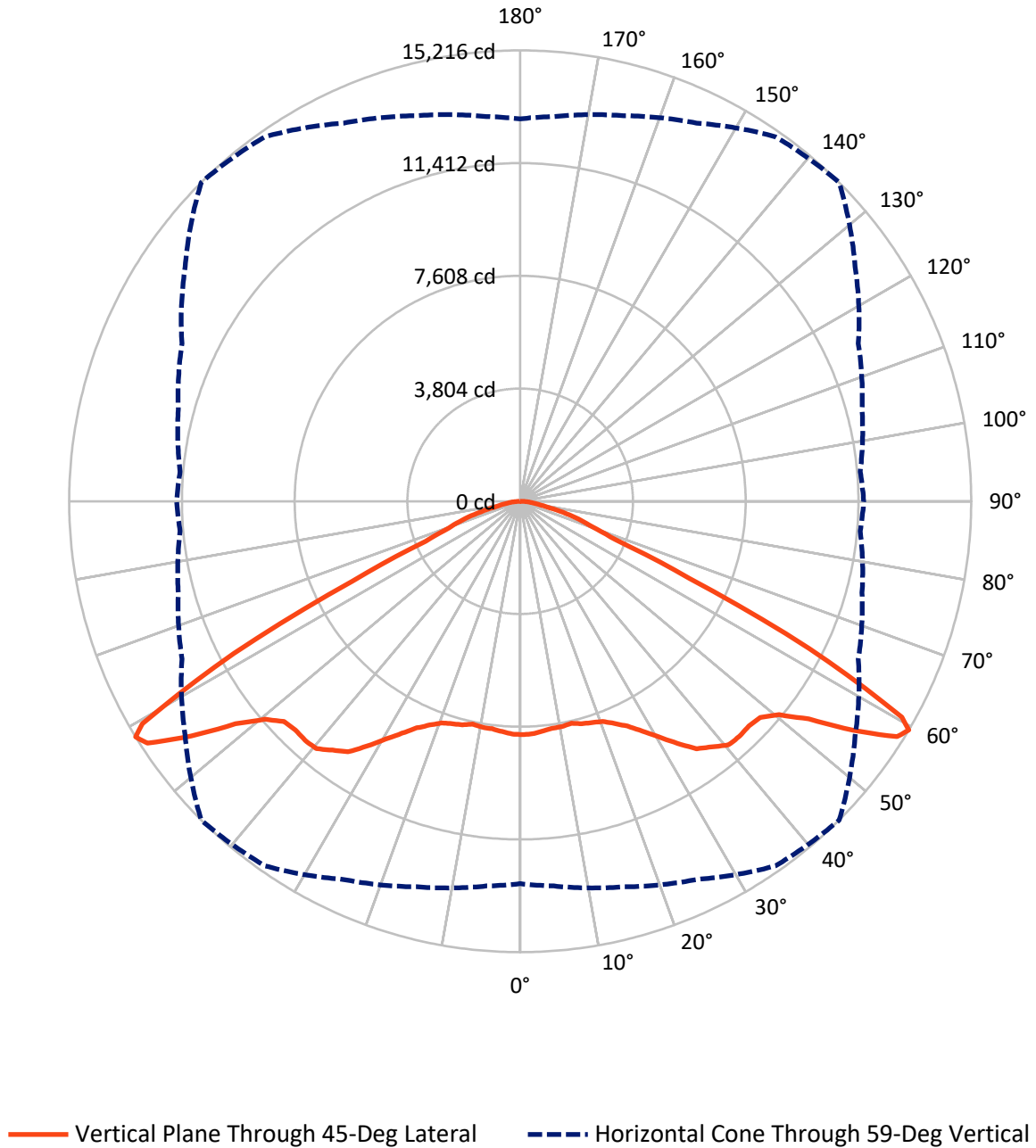
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20383.5	0.0	20383.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20383.5	0.0	20383.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40767.0	0.0	40767.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	742.3	1.8
10°-20°	2207.4	5.4
20°-30°	3854.4	9.5
30°-40°	6156.1	15.1
40°-50°	8385.8	20.6
50°-60°	11339.9	27.8
60°-70°	6218.8	15.3
70°-80°	1591.0	3.9
80°-90°	271.4	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°	40767.0	100.0
0°-180°	40767.0	100.0

Coefficient of Utilization

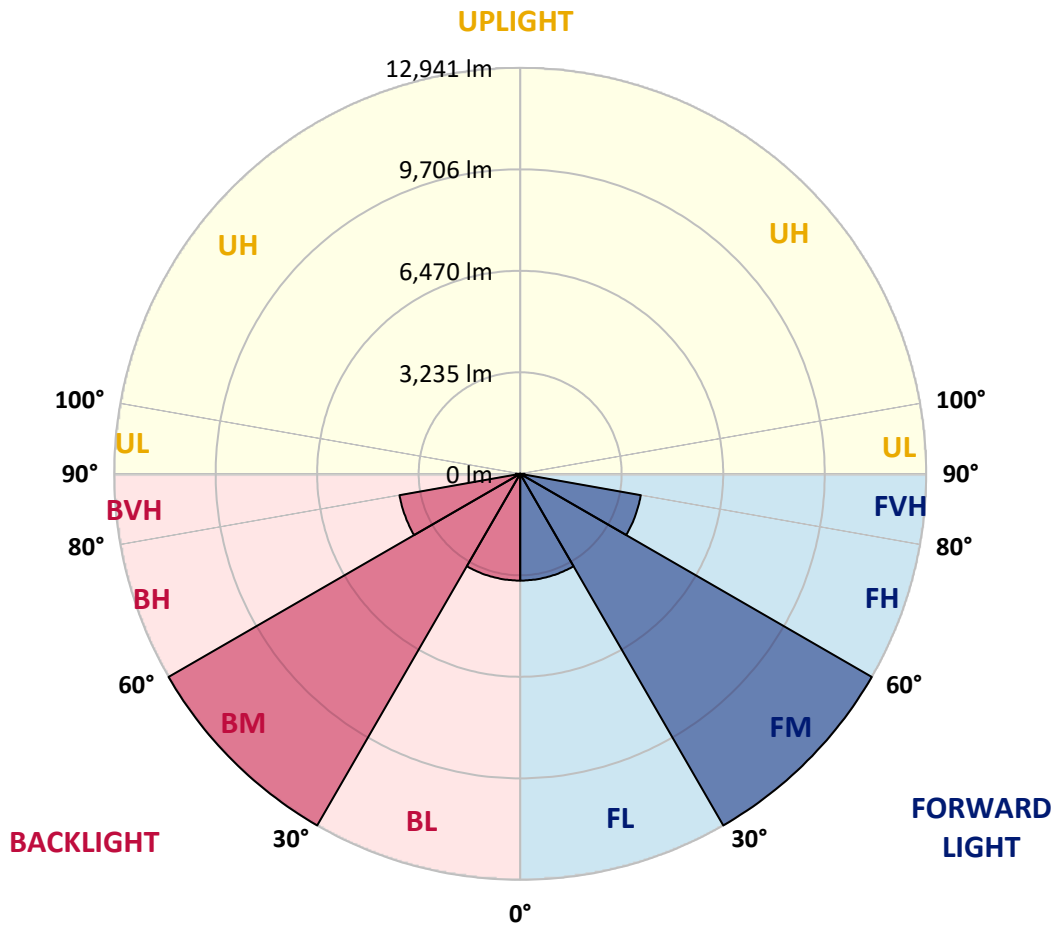


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3402.1	8.3			
FM (30°-60°)	12940.9	31.7			
FH (60°-80°)	3904.9	9.6			G2/5000
FVH (80°-90°)	135.7	0.3			G2/225
BL (0°-30°)	3402.1	8.3	B4/5000		
BM (30°-60°)	12940.9	31.7	B5		
BH (60°-80°)	3904.9	9.6	B4/5000		G2/5000
BVH (80°-90°)	135.7	0.3			G2/225
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°	7874.2	7874.2	7874.2	7874.2	7874.2	7874.2	7874.2	7874.2	7874.2	7874.2	7874.2
2.5°	7827.2	7884.7	7842.9	7879.5	7874.2	7858.6	7832.4	7816.8	7795.9	7827.2	7775.0
5°	7795.9	7842.9	7889.9	7827.2	7827.2	7795.9	7780.2	7748.8	7748.8	7743.6	7738.4
7.5°	7848.1	7801.1	7780.2	7790.6	7801.1	7733.2	7780.2	7717.5	7665.2	7701.8	7743.6
10°	7801.1	7822.0	7743.6	7780.2	7722.7	7733.2	7701.8	7743.6	7686.1	7686.1	7686.1
12.5°	7848.1	7790.6	7816.8	7790.6	7775.0	7686.1	7727.9	7680.9	7675.7	7727.9	7680.9
15°	7942.2	7848.1	7827.2	7775.0	7790.6	7790.6	7748.8	7754.1	7696.6	7727.9	7738.4
17.5°	7910.8	7858.6	7842.9	7780.2	7832.4	7848.1	7769.7	7717.5	7754.1	7748.8	7743.6
20°	7936.9	7957.8	7942.2	7952.6	7973.5	7931.7	7858.6	7785.4	7738.4	7806.3	7801.1
22.5°	8104.1	8083.2	8072.8	8062.3	8098.9	8140.7	8041.4	7926.5	7926.5	7973.5	7994.4
25°	8240.0	8234.8	8229.5	8276.6	8402.0	8402.0	8276.6	8130.3	8093.7	8125.0	8098.9
27.5°	8438.5	8496.0	8475.1	8558.7	8741.6	8783.4	8616.2	8443.8	8344.5	8307.9	8354.9
30°	8893.1	8825.2	8840.9	8929.7	9091.7	9227.5	8971.5	8788.6	8652.8	8647.6	8668.5
32.5°	9196.2	9248.4	9295.5	9379.1	9635.1	9739.6	9431.3	9133.5	9049.9	9002.9	9018.5
35°	9802.3	9755.3	9744.8	9828.4	10084.5	10256.9	9870.2	9609.0	9499.2	9603.7	9603.7
37.5°	10377.1	10246.4	10147.2	10256.9	10492.0	10512.9	10183.7	10042.7	9985.2	10105.4	10100.1
40°	10648.8	10638.3	10408.4	10471.1	10784.6	10816.0	10507.7	10340.5	10330.0	10486.8	10643.5
42.5°	10930.9	10831.6	10601.7	10643.5	10836.9	10847.3	10554.7	10507.7	10622.6	10774.2	10784.6
45°	10977.9	10894.3	10748.0	10643.5	10784.6	10816.0	10643.5	10674.9	10685.3	10868.2	10868.2
47.5°	11072.0	11061.5	10977.9	10899.6	10925.7	10899.6	10789.8	10836.9	10993.6	11082.4	11040.6
50°	11333.3	11223.5	11307.1	11239.2	11244.4	11317.6	11218.3	11265.3	11234.0	11155.6	11103.4
52.5°	11908.0	11855.8	11928.9	11975.9	12028.2	12195.4	12080.4	11829.6	11594.5	11385.5	11380.3
55°	12749.3	12785.8	12926.9	13167.3	13371.0	13637.5	13083.7	12482.8	12106.6	11777.4	11798.3
57.5°	13543.5	13517.3	13710.7	14259.3	14855.0	14990.8	13904.0	13047.1	12435.8	12226.7	12137.9
59°	12906.0	13031.4	13470.3	14081.7	15017.0	15215.5	13794.3	12587.3	11939.4	11516.1	11589.3
60°	11902.8	11949.8	12341.7	13193.4	14457.9	14797.5	13057.5	11876.7	11014.5	10768.9	10878.7
62.5°	8412.4	8375.8	8658.0	9352.9	10486.8	10946.6	9708.2	8877.5	8334.0	8062.3	8125.0
65°	4472.7	4639.9	4754.8	5188.5	5789.4	6275.4	5763.3	5402.8	5099.7	4875.0	4869.8
67.5°	3020.1	2999.2	3025.3	3124.6	3328.4	3464.2	3453.8	3270.9	3244.8	3203.0	3250.0
70°	2544.6	2534.2	2487.2	2487.2	2529.0	2560.3	2596.9	2617.8	2659.6	2711.8	2706.6
72.5°	2063.9	2037.8	2006.4	1990.8	2043.0	2058.7	2105.7	2126.6	2163.2	2158.0	2205.0
75°	1363.8	1363.8	1400.3	1442.1	1457.8	1489.2	1494.4	1557.1	1557.1	1567.5	1525.7
77.5°	762.9	742.0	768.1	809.9	846.5	903.9	961.4	1008.4	1034.6	1024.1	1024.1
80°	444.1	444.1	470.3	517.3	564.3	616.6	658.4	694.9	721.1	710.6	689.7
82.5°	276.9	276.9	303.1	350.1	386.7	418.0	475.5	522.5	553.9	543.4	517.3
85°	141.1	141.1	172.4	203.8	250.8	271.7	266.5	245.6	240.4	214.2	214.2
87.5°	36.6	36.6	52.3	57.5	47.0	52.3	52.3	52.3	52.3	52.3	57.5
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)