

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: P531006

Luminaire Tested: **GALN-SA6B-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28312 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

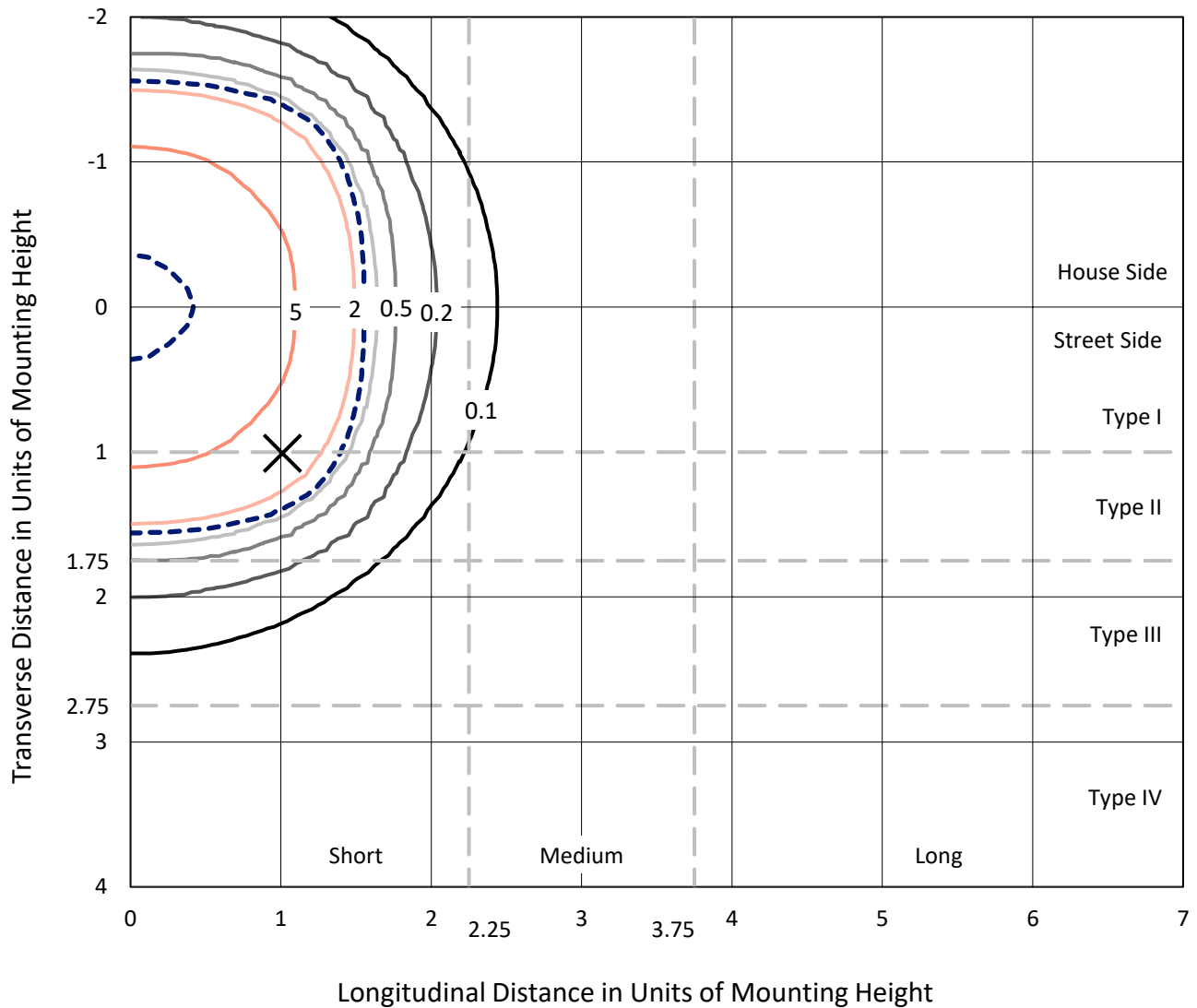
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

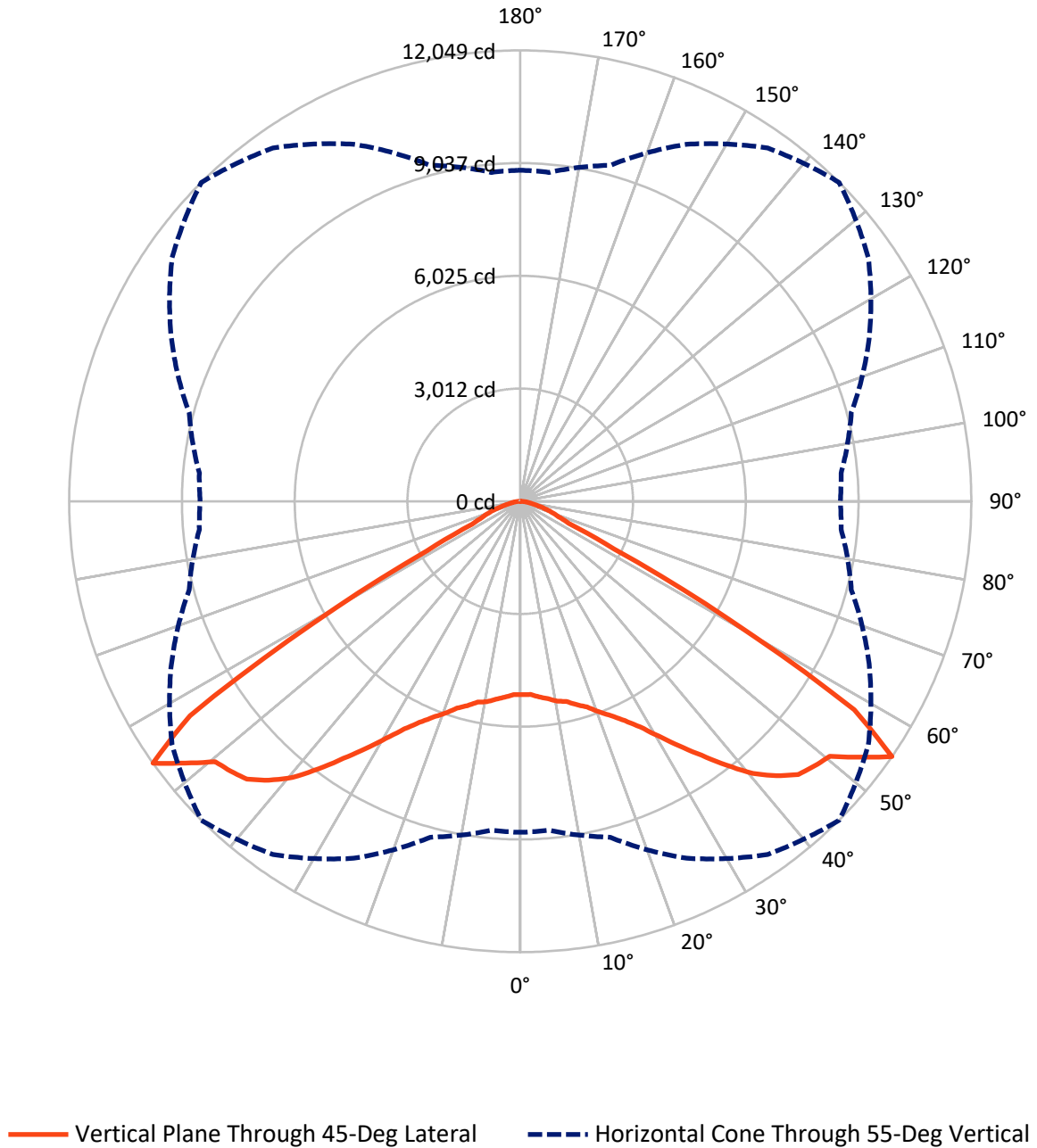
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	14156.0	0.0	14156.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14156.0	0.0	14156.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28312.0	0.0	28312.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.0	1.8
10°-20°	1600.1	5.7
20°-30°	2983.7	10.5
30°-40°	4995.6	17.6
40°-50°	7773.5	27.5
50°-60°	8071.4	28.5
60°-70°	1711.7	6.0
70°-80°	563.7	2.0
80°-90°	107.4	0.4
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°	28312.0	100.0
0°-180°	28312.0	100.0

Coefficient of Utilization

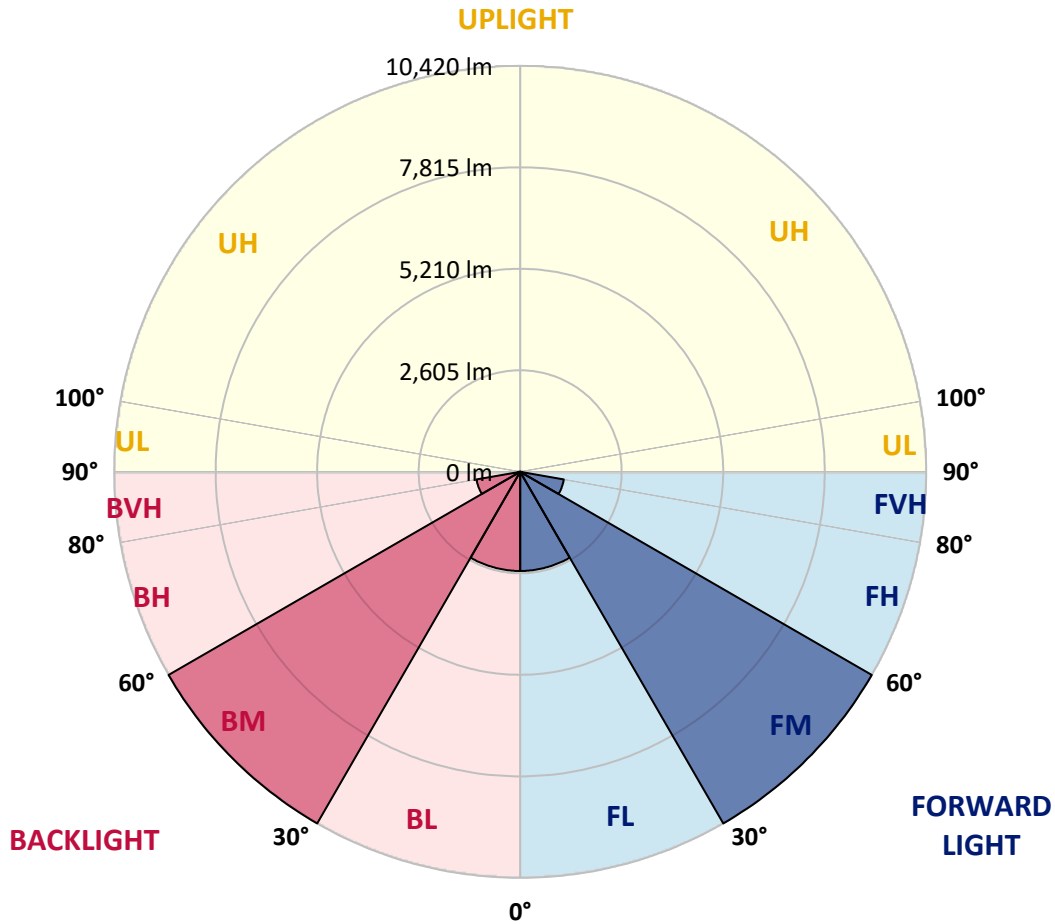


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2544.4	9.0			
FM (30°-60°)	10420.3	36.8			
FH (60°-80°)	1137.7	4.0			G1/1800
FVH (80°-90°)	53.7	0.2			G1/100
BL (0°-30°)	2544.4	9.0	B4/5000		
BM (30°-60°)	10420.3	36.8	B5		
BH (60°-80°)	1137.7	4.0	B3/2500		G1/1800
BVH (80°-90°)	53.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5169.3	5169.3	5169.3	5169.3	5169.3	5169.3	5169.3	5169.3	5169.3	5169.3	5169.3
2.5°	5230.9	5207.0	5165.9	5196.7	5220.7	5169.3	5189.9	5200.1	5193.3	5165.9	5176.2
5°	5306.2	5292.5	5258.3	5282.2	5251.5	5251.5	5230.9	5203.6	5244.6	5237.8	5254.9
7.5°	5306.2	5289.1	5357.5	5313.0	5326.7	5326.7	5292.5	5265.1	5285.7	5254.9	5237.8
10°	5412.3	5436.2	5405.4	5415.7	5408.8	5432.8	5381.5	5364.4	5347.2	5337.0	5316.5
12.5°	5538.8	5521.7	5532.0	5525.1	5549.1	5487.5	5456.7	5419.1	5449.9	5405.4	5436.2
15°	5641.5	5631.2	5641.5	5668.8	5644.9	5641.5	5586.7	5549.1	5501.2	5511.5	5463.6
17.5°	5781.7	5771.5	5774.9	5798.8	5795.4	5778.3	5737.3	5665.4	5648.3	5620.9	5590.1
20°	5990.4	5973.3	5966.5	5976.7	5993.8	6007.5	5925.4	5898.1	5839.9	5795.4	5744.1
22.5°	6168.3	6161.5	6188.8	6144.4	6182.0	6223.1	6144.4	6130.7	5987.0	5963.1	5908.3
25°	6414.6	6404.4	6387.3	6452.3	6496.8	6493.3	6418.1	6342.8	6233.3	6206.0	6206.0
27.5°	6674.7	6616.5	6705.4	6722.5	6801.2	6825.2	6760.2	6650.7	6548.1	6489.9	6503.6
30°	6999.7	6944.9	6965.4	7088.6	7191.2	7280.2	7116.0	6955.2	6811.5	6708.9	6691.8
32.5°	7324.7	7269.9	7331.5	7451.3	7656.5	7789.9	7629.2	7348.6	7181.0	7030.5	7061.2
35°	7588.1	7629.2	7728.4	7909.7	8121.8	8337.3	8080.7	7865.2	7625.7	7458.1	7482.0
37.5°	8012.3	8138.9	8217.6	8426.3	8727.3	8949.7	8682.9	8402.3	8145.7	7926.8	7851.5
40°	8566.5	8652.1	8741.0	8987.3	9343.1	9565.5	9312.4	8946.3	8693.1	8467.3	8457.1
42.5°	9175.5	9257.6	9350.0	9651.0	9863.2	10030.8	9798.2	9603.2	9322.6	9144.7	9134.5
45°	9883.7	9825.5	9928.2	10126.6	10304.5	10414.0	10263.4	10167.6	9965.8	9801.6	9784.5
47.5°	10355.8	10304.5	10489.2	10667.1	10694.5	10574.8	10605.5	10694.5	10482.4	10212.1	10297.6
50°	10629.5	10629.5	10752.7	10916.9	10865.6	10711.6	10954.5	10961.3	10749.2	10509.8	10509.8
52.5°	10154.0	10260.0	10609.0	11146.1	11317.1	11361.6	11306.9	11074.2	10520.0	10030.8	10006.8
55°	8847.1	8823.1	9295.2	10526.9	11522.4	12049.3	11351.4	10280.5	9155.0	8604.2	8549.4
57.5°	5754.4	5781.7	6486.5	7742.0	9538.2	10520.0	9343.1	7837.8	6486.5	5727.0	5798.8
60°	2589.8	2682.2	3109.8	4047.2	5590.1	6390.7	5603.8	4252.5	3263.8	2832.7	2870.3
62.5°	1488.2	1505.3	1522.4	1806.4	2381.1	2815.6	2473.5	1909.0	1683.2	1607.9	1607.9
65°	1255.6	1245.3	1248.7	1272.7	1334.2	1423.2	1385.6	1334.2	1341.1	1334.2	1324.0
67.5°	1067.4	1081.1	1070.8	1087.9	1091.3	1105.0	1129.0	1149.5	1152.9	1159.8	1152.9
70°	875.8	879.2	886.1	899.8	903.2	913.4	947.7	964.8	975.0	975.0	988.7
72.5°	670.5	667.1	674.0	687.6	704.8	708.2	739.0	762.9	776.6	759.5	762.9
75°	441.3	444.7	455.0	465.3	489.2	513.2	523.4	547.4	550.8	557.6	540.5
77.5°	263.4	270.3	280.5	301.1	321.6	342.1	366.1	383.2	390.0	383.2	362.6
80°	171.1	171.1	184.7	201.8	225.8	242.9	256.6	270.3	280.5	270.3	263.4
82.5°	106.1	106.1	123.2	143.7	160.8	171.1	191.6	208.7	219.0	212.1	201.8
85°	54.7	58.2	71.8	88.9	102.6	109.5	106.1	95.8	85.5	82.1	75.3
87.5°	17.1	17.1	20.5	20.5	17.1	17.1	20.5	17.1	20.5	20.5	20.5
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)