

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: P528432

Luminaire Tested: **GALN-SA3C-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528432
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-SA3C-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1050mA 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: 17610 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

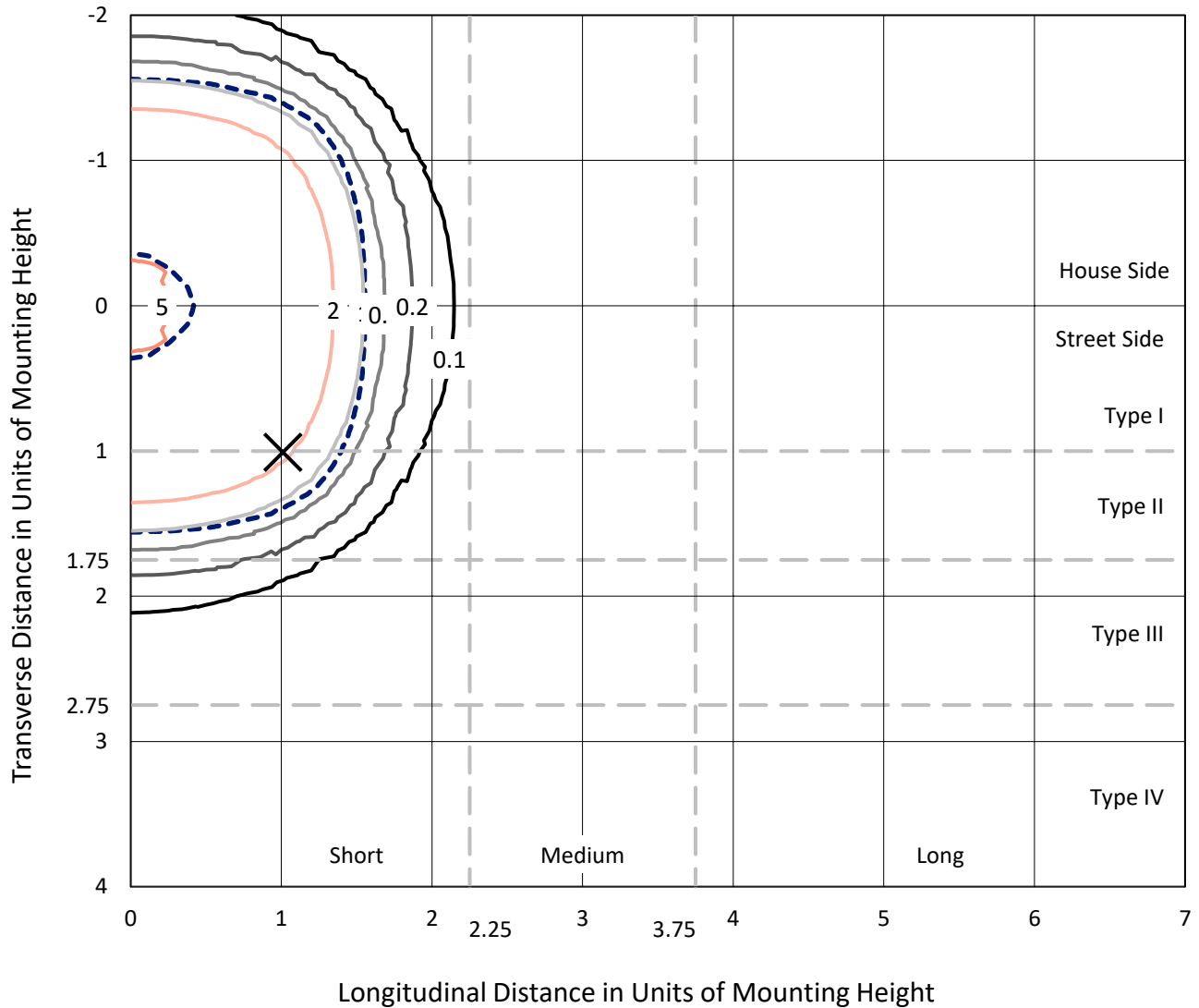
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

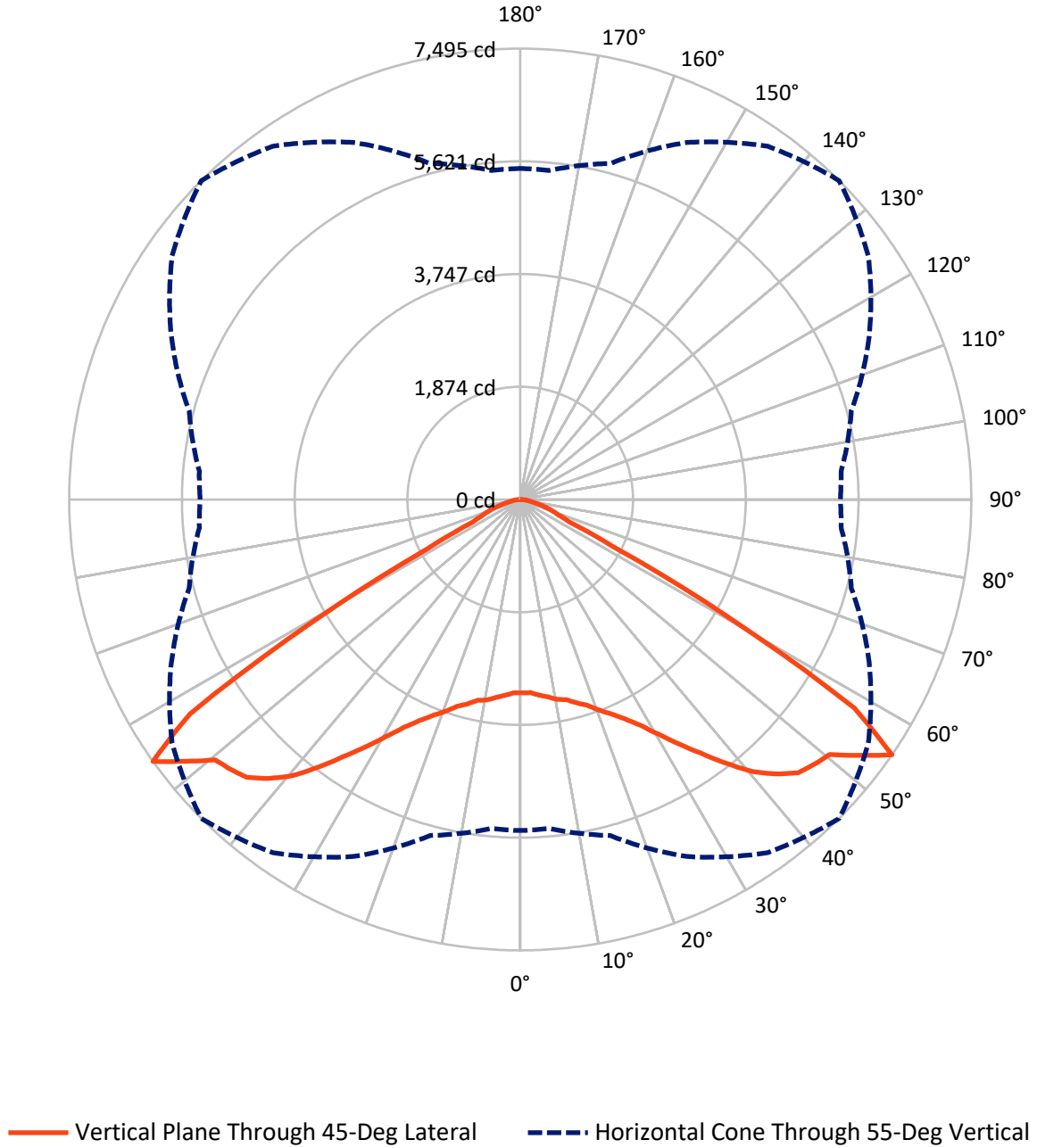
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	8805.0	0.0	8805.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8805.0	0.0	8805.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17610.0	0.0	17610.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.1	1.8
10°-20°	995.2	5.7
20°-30°	1855.8	10.5
30°-40°	3107.2	17.6
40°-50°	4835.1	27.5
50°-60°	5020.4	28.5
60°-70°	1064.7	6.0
70°-80°	350.6	2.0
80°-90°	66.8	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°	17610.0	100.0
0°-180°	17610.0	100.0

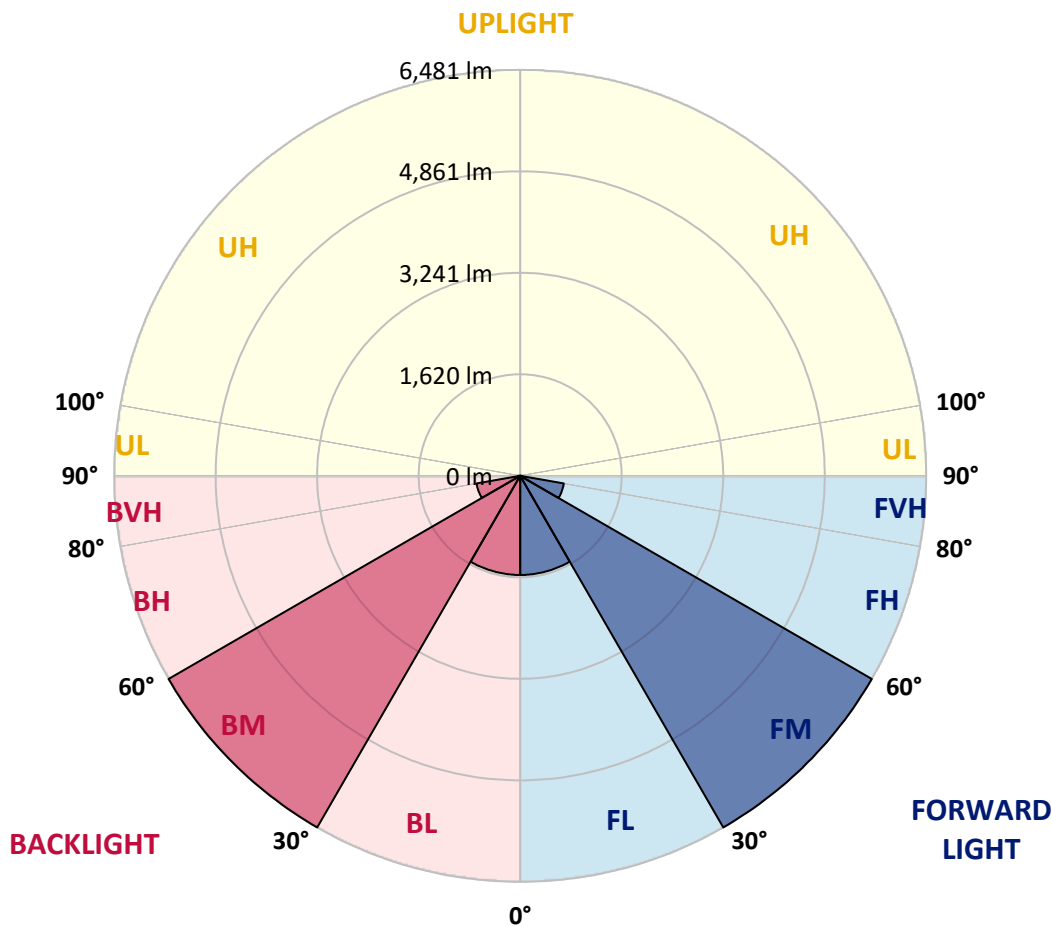


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1582.6	9.0			
FM (30°-60°)	6481.4	36.8			
FH (60°-80°)	707.6	4.0			G1/1800
FVH (80°-90°)	33.4	0.2			G1/100
BL (0°-30°)	1582.6	9.0	B3/2500		
BM (30°-60°)	6481.4	36.8	B4/8500		
BH (60°-80°)	707.6	4.0	B2/1000		G1/1800
BVH (80°-90°)	33.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3215.3	3215.3	3215.3	3215.3	3215.3	3215.3	3215.3	3215.3	3215.3	3215.3	3215.3
2.5°	3253.6	3238.7	3213.2	3232.3	3247.2	3215.3	3228.1	3234.5	3230.2	3213.2	3219.6
5°	3300.4	3291.9	3270.6	3285.5	3266.4	3266.4	3253.6	3236.6	3262.1	3257.9	3268.5
7.5°	3300.4	3289.8	3332.4	3304.7	3313.2	3313.2	3291.9	3274.9	3287.7	3268.5	3257.9
10°	3366.4	3381.3	3362.2	3368.5	3364.3	3379.2	3347.3	3336.6	3326.0	3319.6	3306.8
12.5°	3445.1	3434.5	3440.9	3436.6	3451.5	3413.2	3394.1	3370.7	3389.8	3362.2	3381.3
15°	3509.0	3502.6	3509.0	3526.0	3511.1	3509.0	3474.9	3451.5	3421.7	3428.1	3398.3
17.5°	3596.2	3589.8	3592.0	3606.9	3604.7	3594.1	3568.6	3523.9	3513.2	3496.2	3477.1
20°	3726.0	3715.4	3711.1	3717.5	3728.2	3736.7	3685.6	3668.6	3632.4	3604.7	3572.8
22.5°	3836.7	3832.4	3849.5	3821.8	3845.2	3870.7	3821.8	3813.3	3723.9	3709.0	3675.0
25°	3989.9	3983.5	3972.9	4013.3	4041.0	4038.8	3992.0	3945.2	3877.1	3860.1	3860.1
27.5°	4151.6	4115.4	4170.8	4181.4	4230.4	4245.2	4204.8	4136.7	4072.9	4036.7	4045.2
30°	4353.8	4319.7	4332.5	4409.1	4472.9	4528.3	4426.1	4326.1	4236.7	4172.9	4162.3
32.5°	4555.9	4521.9	4560.2	4634.7	4762.3	4845.3	4745.3	4570.8	4466.6	4372.9	4392.1
35°	4719.8	4745.3	4807.0	4919.8	5051.7	5185.8	5026.2	4892.1	4743.2	4638.9	4653.8
37.5°	4983.6	5062.4	5111.3	5241.1	5428.4	5566.7	5400.7	5226.2	5066.6	4930.4	4883.6
40°	5328.4	5381.6	5436.9	5590.1	5811.4	5949.7	5792.3	5564.6	5407.1	5266.7	5260.3
42.5°	5707.1	5758.2	5815.7	6002.9	6134.9	6239.1	6094.4	5973.1	5798.6	5688.0	5681.6
45°	6147.6	6111.5	6175.3	6298.7	6409.4	6477.5	6383.8	6324.2	6198.7	6096.6	6085.9
47.5°	6441.3	6409.4	6524.3	6634.9	6652.0	6577.5	6596.6	6652.0	6520.0	6351.9	6405.1
50°	6611.5	6611.5	6688.1	6790.3	6758.4	6662.6	6813.7	6817.9	6686.0	6537.0	6537.0
52.5°	6315.7	6381.7	6598.8	6932.8	7039.2	7066.9	7032.9	6888.2	6543.4	6239.1	6224.2
55°	5502.9	5488.0	5781.6	6547.7	7166.9	7494.6	7060.5	6394.5	5694.4	5351.8	5317.7
57.5°	3579.2	3596.2	4034.6	4815.5	5932.7	6543.4	5811.4	4875.1	4034.6	3562.2	3606.9
60°	1610.9	1668.3	1934.3	2517.4	3477.1	3975.0	3485.6	2645.0	2030.1	1761.9	1785.3
62.5°	925.7	936.3	946.9	1123.6	1481.0	1751.3	1538.5	1187.4	1046.9	1000.1	1000.1
65°	781.0	774.6	776.7	791.6	829.9	885.2	861.8	829.9	834.2	829.9	823.5
67.5°	663.9	672.4	666.0	676.7	678.8	687.3	702.2	715.0	717.1	721.4	717.1
70°	544.8	546.9	551.1	559.6	561.8	568.2	589.4	600.1	606.5	606.5	615.0
72.5°	417.1	414.9	419.2	427.7	438.4	440.5	459.6	474.5	483.0	472.4	474.5
75°	274.5	276.6	283.0	289.4	304.3	319.2	325.6	340.5	342.6	346.9	336.2
77.5°	163.9	168.1	174.5	187.3	200.0	212.8	227.7	238.3	242.6	238.3	225.6
80°	106.4	106.4	114.9	125.5	140.4	151.1	159.6	168.1	174.5	168.1	163.9
82.5°	66.0	66.0	76.6	89.4	100.0	106.4	119.2	129.8	136.2	131.9	125.5
85°	34.0	36.2	44.7	55.3	63.8	68.1	66.0	59.6	53.2	51.1	46.8
87.5°	10.6	10.6	12.8	12.8	10.6	10.6	12.8	10.6	12.8	12.8	12.8
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)