

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: P529369

Luminaire Tested: **GALN-SA4C-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA4C-735-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13514 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

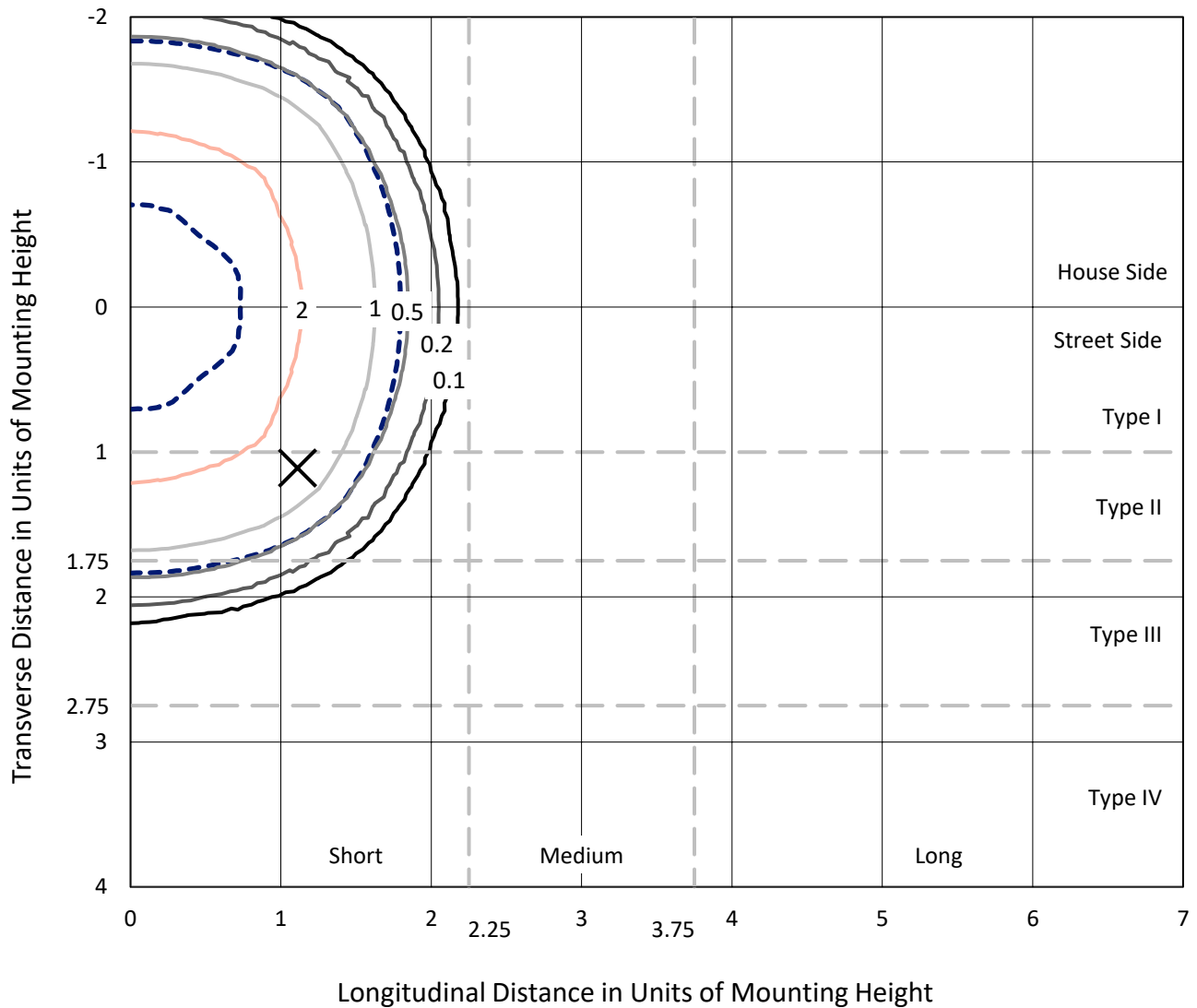
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529369
 CATALOG NUMBER: GALN-SA4C-735-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

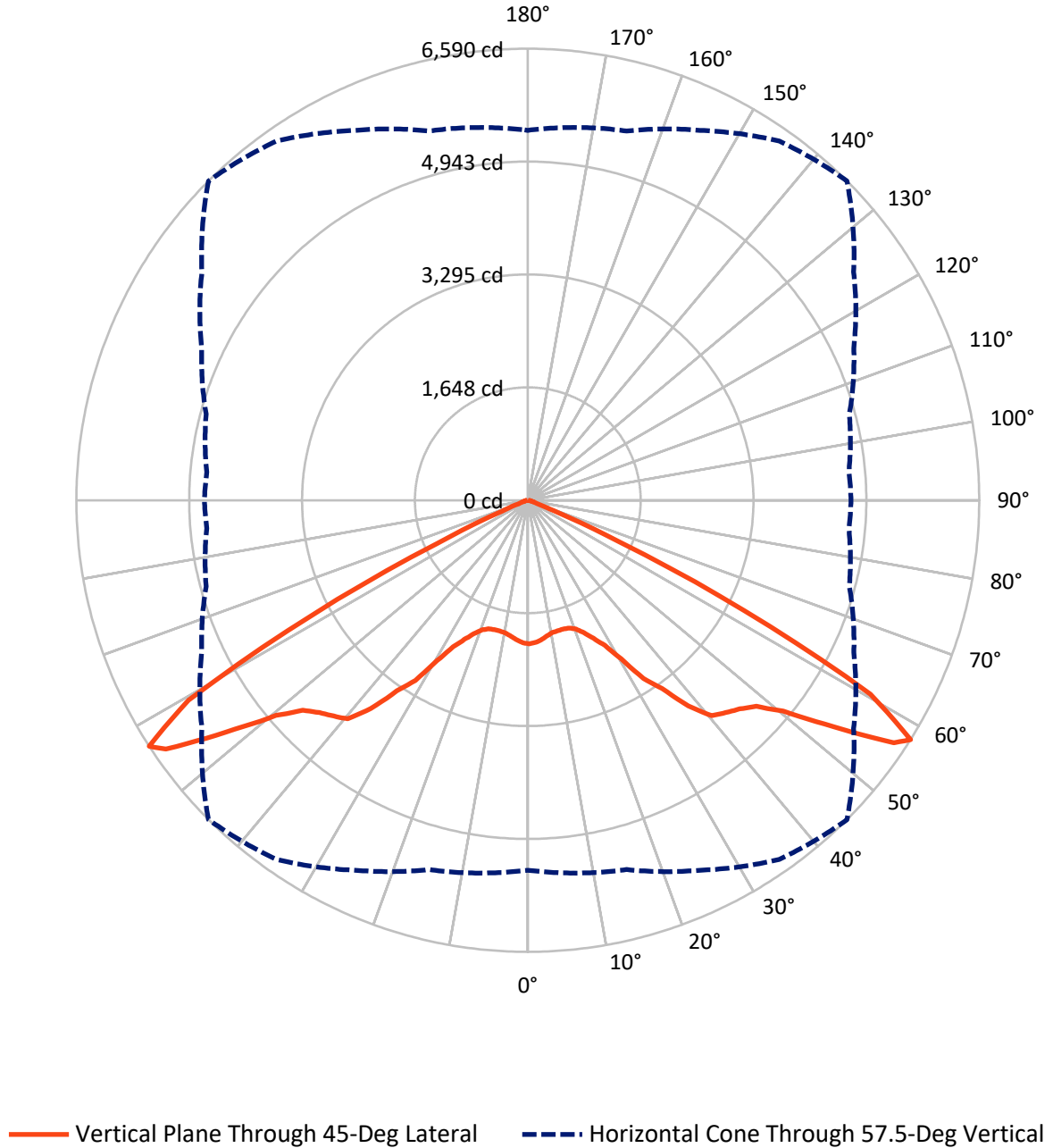
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

REPORT NUMBER: P529369
CATALOG NUMBER: GALN-SA4C-735-U-5WQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P529369
 CATALOG NUMBER: GALN-SA4C-735-U-5WQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6757.0	0.0	6757.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6757.0	0.0	6757.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13514.0	0.0	13514.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.6	1.4
10°-20°	556.8	4.1
20°-30°	1027.7	7.6
30°-40°	2021.2	15.0
40°-50°	3291.9	24.4
50°-60°	4694.7	34.7
60°-70°	1625.4	12.0
70°-80°	87.2	0.6
80°-90°	16.4	0.1
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°	13514.0	100.0
0°-180°	13514.0	100.0

Coefficient of Utilization

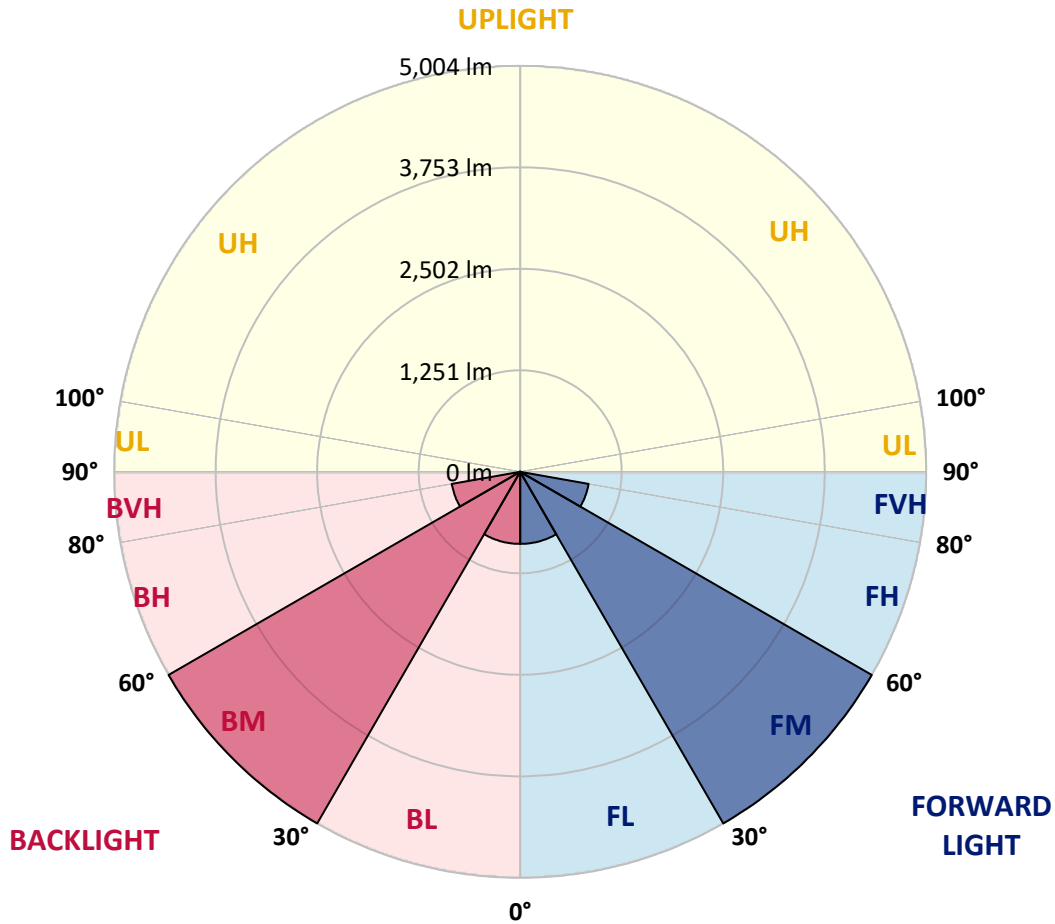


REPORT NUMBER: P529369
 CATALOG NUMBER: GALN-SA4C-735-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	888.6	6.6			
FM (30°-60°)	5003.9	37.0			
FH (60°-80°)	856.3	6.3			G1/1800
FVH (80°-90°)	8.2	0.1			G0/10
BL (0°-30°)	888.6	6.6	B2/1000		
BM (30°-60°)	5003.9	37.0	B4/8500		
BH (60°-80°)	856.3	6.3	B2/1000		G1/1800
BVH (80°-90°)	8.2	0.1			G0/10
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





REPORT NUMBER: P529369

CATALOG NUMBER: GALN-SA4C-735-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2	2096.2
2.5°	2090.5	2101.8	2087.7	2082.1	2079.3	2079.3	2070.8	2070.8	2068.0	2070.8	2059.5
5°	2056.7	2068.0	2068.0	2065.2	2048.3	2045.4	2037.0	2031.4	2034.2	2022.9	2031.4
7.5°	2022.9	2031.4	2020.1	2017.3	2011.6	2000.4	1997.6	1972.2	1975.0	1975.0	1980.6
10°	2017.3	2014.5	1997.6	1983.5	1966.6	1963.7	1955.3	1949.7	1949.7	1946.8	1955.3
12.5°	2017.3	2003.2	2000.4	1969.4	1941.2	1952.5	1929.9	1915.8	1935.6	1941.2	1952.5
15°	2014.5	2028.5	1980.6	1966.6	1946.8	1949.7	1929.9	1915.8	1927.1	1932.8	1941.2
17.5°	2031.4	2022.9	2008.8	1980.6	1972.2	1960.9	1935.6	1924.3	1924.3	1938.4	1941.2
20°	2076.4	2053.9	2025.7	2011.6	2020.1	2006.0	1975.0	1932.8	1944.0	1955.3	1963.7
22.5°	2118.7	2101.8	2082.1	2073.6	2121.5	2099.0	2045.4	1997.6	1980.6	2000.4	2014.5
25°	2200.4	2200.4	2163.8	2175.1	2228.6	2231.4	2169.4	2084.9	2073.6	2082.1	2087.7
27.5°	2366.6	2375.1	2344.1	2355.4	2377.9	2397.6	2344.1	2273.7	2248.3	2245.5	2253.9
30°	2547.0	2563.9	2561.0	2608.9	2673.7	2685.0	2606.1	2490.6	2414.5	2400.4	2411.7
32.5°	2783.6	2792.1	2786.4	2842.8	3017.5	3099.2	2893.5	2730.1	2628.7	2654.0	2628.7
35°	3228.8	3220.3	3158.3	3169.6	3313.3	3372.5	3175.2	3071.0	3023.1	3073.8	3062.5
37.5°	3611.9	3580.9	3530.2	3603.5	3752.8	3806.3	3600.7	3417.5	3330.2	3414.7	3451.3
40°	3935.9	3857.1	3786.6	3859.9	4059.9	4133.2	3831.7	3682.4	3648.6	3710.5	3789.4
42.5°	4209.2	4158.5	4065.5	4071.2	4203.6	4237.4	3995.1	3907.8	3874.0	3972.6	4012.0
45°	4403.6	4355.7	4268.4	4262.8	4364.2	4341.6	4124.7	4065.5	4085.3	4150.1	4169.8
47.5°	4502.2	4527.6	4476.9	4491.0	4544.5	4491.0	4319.1	4319.1	4274.0	4313.5	4293.8
50°	4786.8	4707.9	4772.7	4772.7	4829.1	4834.7	4662.8	4600.9	4479.7	4412.1	4412.1
52.5°	5119.3	5124.9	5150.2	5243.2	5339.0	5420.7	5175.6	4910.8	4707.9	4620.6	4609.3
55°	5392.5	5448.9	5550.3	5725.0	6001.1	6113.8	5691.2	5217.9	4969.9	4834.7	4806.5
56°	5541.9	5488.3	5663.0	5902.5	6263.1	6409.6	5775.7	5279.9	5006.6	4854.4	4851.6
57.5°	5398.2	5457.3	5578.5	5956.0	6398.4	6590.0	5806.7	5251.7	4860.1	4705.1	4719.2
60°	4262.8	4319.1	4482.5	4905.1	5598.2	5747.5	4913.6	4330.4	3981.0	3758.4	3761.3
62.5°	2411.7	2454.0	2580.8	2972.4	3403.4	3547.1	3062.5	2673.7	2431.4	2307.5	2268.0
65°	887.5	870.6	890.3	1090.3	1355.2	1476.3	1273.5	1076.3	949.5	904.4	887.5
67.5°	332.5	307.1	287.4	307.1	386.0	408.5	374.7	312.7	293.0	301.5	307.1
70°	205.7	194.4	155.0	146.5	143.7	140.9	149.3	157.8	180.3	211.3	216.9
72.5°	143.7	135.2	109.9	104.2	98.6	95.8	109.9	121.1	140.9	163.4	166.2
75°	56.3	59.2	56.3	62.0	64.8	67.6	78.9	87.3	95.8	95.8	93.0
77.5°	11.3	11.3	16.9	22.5	28.2	36.6	53.5	62.0	64.8	62.0	53.5
80°	0.0	0.0	5.6	11.3	22.5	31.0	47.9	53.5	59.2	53.5	42.3
82.5°	0.0	0.0	5.6	14.1	22.5	28.2	45.1	56.3	64.8	59.2	45.1
85°	0.0	0.0	5.6	11.3	16.9	19.7	19.7	14.1	14.1	8.5	5.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)