

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: P528429

Luminaire Tested: **GALN-SA3C-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
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-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11733 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

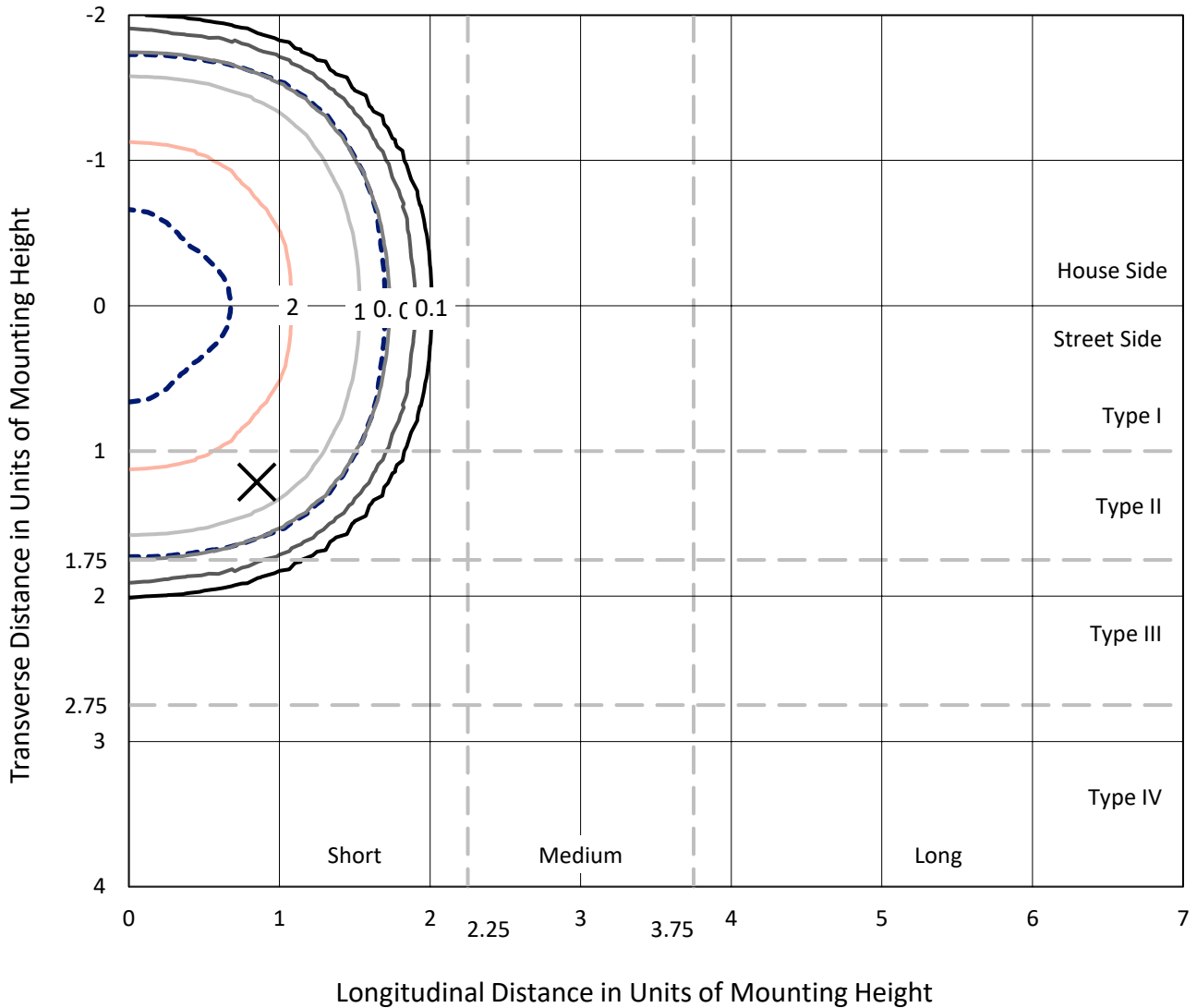
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528429
 CATALOG NUMBER: GALN-SA3C-735-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

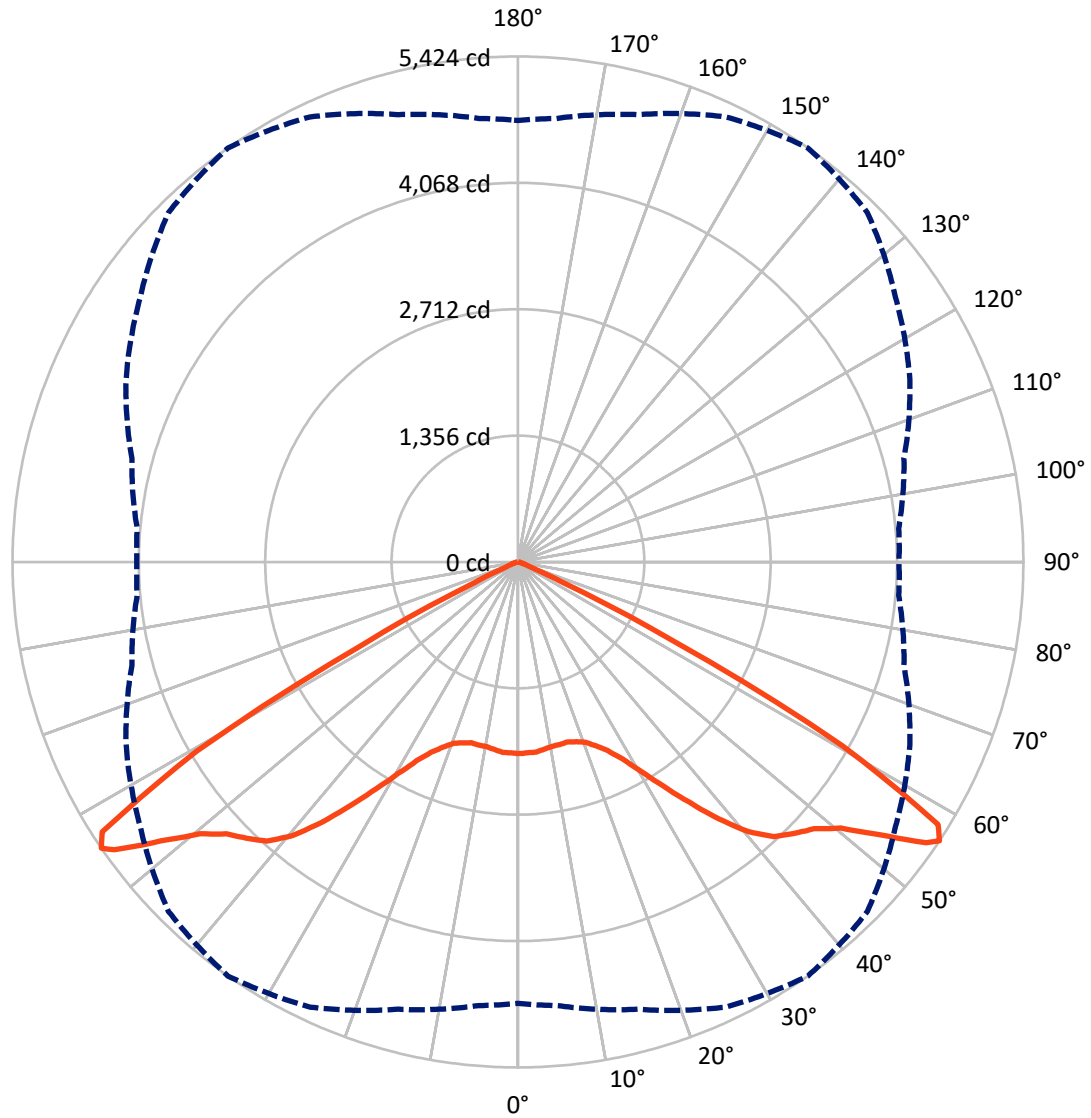
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

REPORT NUMBER: P528429
CATALOG NUMBER: GALN-SA3C-735-U-5MQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P528429
 CATALOG NUMBER: GALN-SA3C-735-U-5MQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5866.5	0.0	5866.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5866.5	0.0	5866.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11733.0	0.0	11733.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.2	1.6
10°-20°	564.1	4.8
20°-30°	1021.5	8.7
30°-40°	1894.3	16.1
40°-50°	3109.3	26.5
50°-60°	4005.7	34.1
60°-70°	882.8	7.5
70°-80°	51.2	0.4
80°-90°	10.8	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°	11733.0	100.0
0°-180°	11733.0	100.0

Coefficient of Utilization



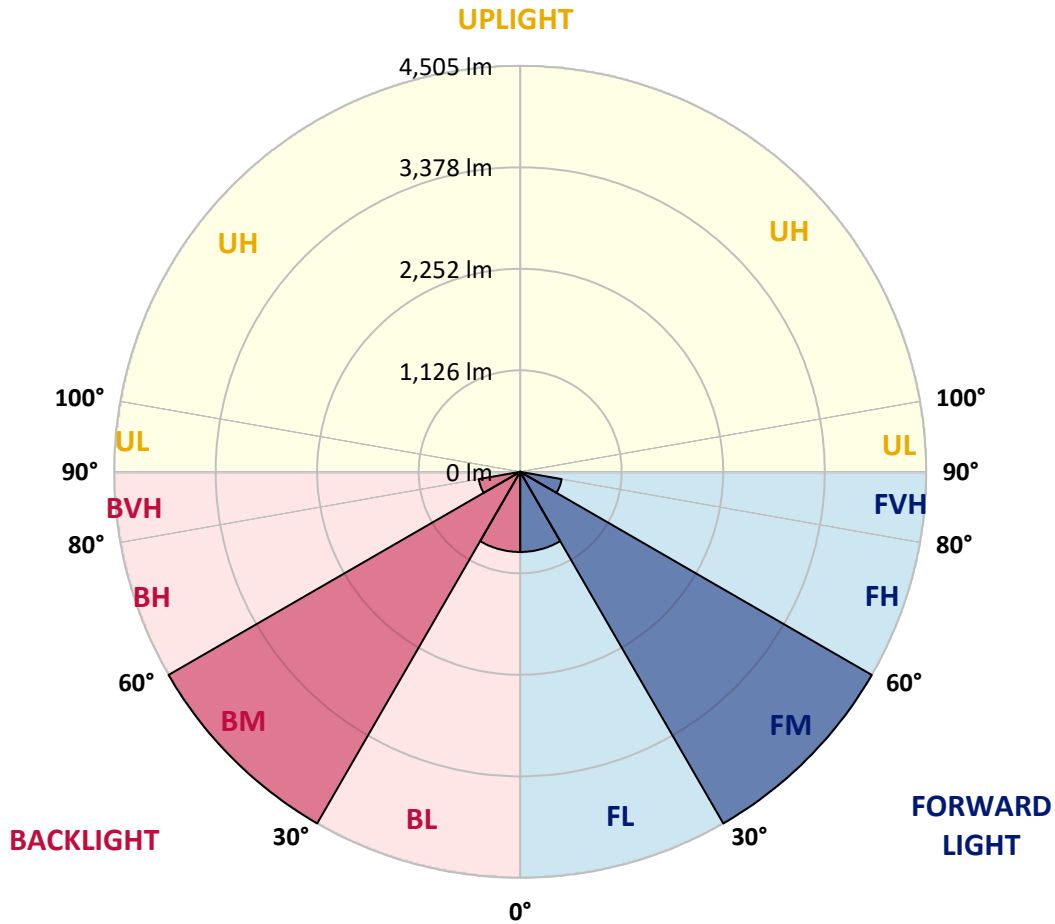
REPORT NUMBER: P528429
 CATALOG NUMBER: GALN-SA3C-735-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	889.4	7.6			
FM (30°-60°)	4504.7	38.4			
FH (60°-80°)	467.0	4.0			G0/660
FVH (80°-90°)	5.4	0.0			G0/10
BL (0°-30°)	889.4	7.6	B2/1000		
BM (30°-60°)	4504.7	38.4	B3/5000		
BH (60°-80°)	467.0	4.0	B1/500		G0/660
BVH (80°-90°)	5.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P528429

CATALOG NUMBER: GALN-SA3C-735-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9	2055.9
2.5°	2060.1	2060.1	2062.3	2064.4	2049.5	2043.1	2045.2	2041.0	2038.9	2045.2	2045.2
5°	2053.7	2053.7	2047.4	2049.5	2049.5	2030.4	2030.4	2034.6	2034.6	2021.9	2017.6
7.5°	2036.7	2032.5	2024.0	2034.6	2028.2	2028.2	2013.4	2002.7	1998.5	2007.0	1998.5
10°	2000.6	2002.7	2011.2	2015.5	2011.2	2024.0	1998.5	1983.6	1968.7	1962.3	1962.3
12.5°	1983.6	1996.3	1983.6	1994.2	2009.1	1998.5	1983.6	1973.0	1951.7	1943.2	1943.2
15°	1981.5	1990.0	1994.2	2009.1	2002.7	2007.0	1977.2	1964.5	1932.6	1917.7	1911.3
17.5°	1979.3	1990.0	1996.3	2024.0	2028.2	2030.4	2007.0	1968.7	1941.1	1926.2	1911.3
20°	2002.7	2007.0	2019.7	2047.4	2064.4	2094.1	2051.6	2011.2	1951.7	1934.7	1928.3
22.5°	2032.5	2053.7	2066.5	2096.3	2140.9	2166.4	2111.2	2060.1	1998.5	1977.2	1951.7
25°	2128.2	2123.9	2145.2	2206.8	2243.0	2262.1	2217.5	2143.0	2062.3	2036.7	2041.0
27.5°	2247.2	2251.5	2270.6	2338.6	2391.8	2421.6	2368.4	2270.6	2191.9	2149.4	2145.2
30°	2402.4	2398.2	2419.4	2510.8	2606.5	2651.2	2557.6	2442.8	2366.3	2311.0	2323.8
32.5°	2566.1	2568.2	2627.8	2710.7	2865.9	2953.1	2802.1	2661.8	2547.0	2508.7	2489.6
35°	2808.5	2819.1	2865.9	2993.5	3165.7	3278.3	3112.5	2944.6	2812.7	2742.6	2751.1
37.5°	3108.3	3097.6	3176.3	3314.5	3495.2	3578.1	3437.8	3246.5	3112.5	3065.7	3095.5
40°	3427.2	3437.8	3478.2	3603.6	3805.6	3860.9	3652.5	3548.3	3431.4	3408.0	3444.2
42.5°	3746.1	3739.7	3769.5	3882.1	4028.8	3990.6	3867.3	3805.6	3722.7	3675.9	3724.8
45°	3979.9	3969.3	4024.6	4101.1	4154.3	4082.0	4026.7	4005.4	3962.9	3911.9	3956.5
47.5°	4207.4	4198.9	4252.1	4273.3	4277.6	4181.9	4192.5	4230.8	4124.5	4018.2	4069.2
50°	4400.9	4386.0	4451.9	4498.7	4488.1	4335.0	4373.2	4335.0	4169.2	4043.7	4024.6
52.5°	4724.0	4730.4	4800.6	4885.6	4860.1	4732.5	4677.3	4502.9	4290.3	4177.7	4111.7
55°	4928.1	4896.3	5017.4	5287.4	5317.2	5185.4	4940.9	4683.7	4364.7	4226.6	4209.5
56°	4736.8	4777.2	4968.5	5270.4	5423.5	5302.3	4947.3	4639.0	4288.2	4101.1	4088.4
57.5°	4249.9	4228.7	4488.1	4900.5	5317.2	5266.2	4772.9	4320.1	3911.9	3701.4	3675.9
60°	2644.8	2706.4	2933.9	3444.2	4001.2	4026.7	3537.7	3148.7	2672.4	2485.3	2530.0
62.5°	1035.4	982.2	1124.7	1505.2	1887.9	1973.0	1788.0	1486.1	1220.3	1035.4	1022.6
65°	240.2	233.9	263.6	363.6	508.1	588.9	559.1	401.8	295.5	280.6	259.4
67.5°	136.1	136.1	129.7	129.7	142.4	150.9	144.6	142.4	148.8	155.2	153.1
70°	95.7	93.5	89.3	91.4	87.2	87.2	93.5	104.2	112.7	112.7	114.8
72.5°	57.4	57.4	57.4	63.8	63.8	63.8	70.2	78.7	80.8	78.7	76.5
75°	25.5	25.5	29.8	36.1	40.4	42.5	48.9	53.2	57.4	53.2	48.9
77.5°	6.4	6.4	10.6	14.9	19.1	23.4	31.9	38.3	40.4	38.3	31.9
80°	2.1	2.1	4.3	10.6	19.1	23.4	31.9	34.0	36.1	31.9	25.5
82.5°	2.1	2.1	4.3	10.6	14.9	19.1	25.5	29.8	31.9	27.6	25.5
85°	0.0	2.1	4.3	8.5	12.8	17.0	17.0	12.8	10.6	6.4	8.5
87.5°	0.0	0.0	2.1	2.1	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)