

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: P455296

Luminaire Tested: **GALN-SA6C-727-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36491 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

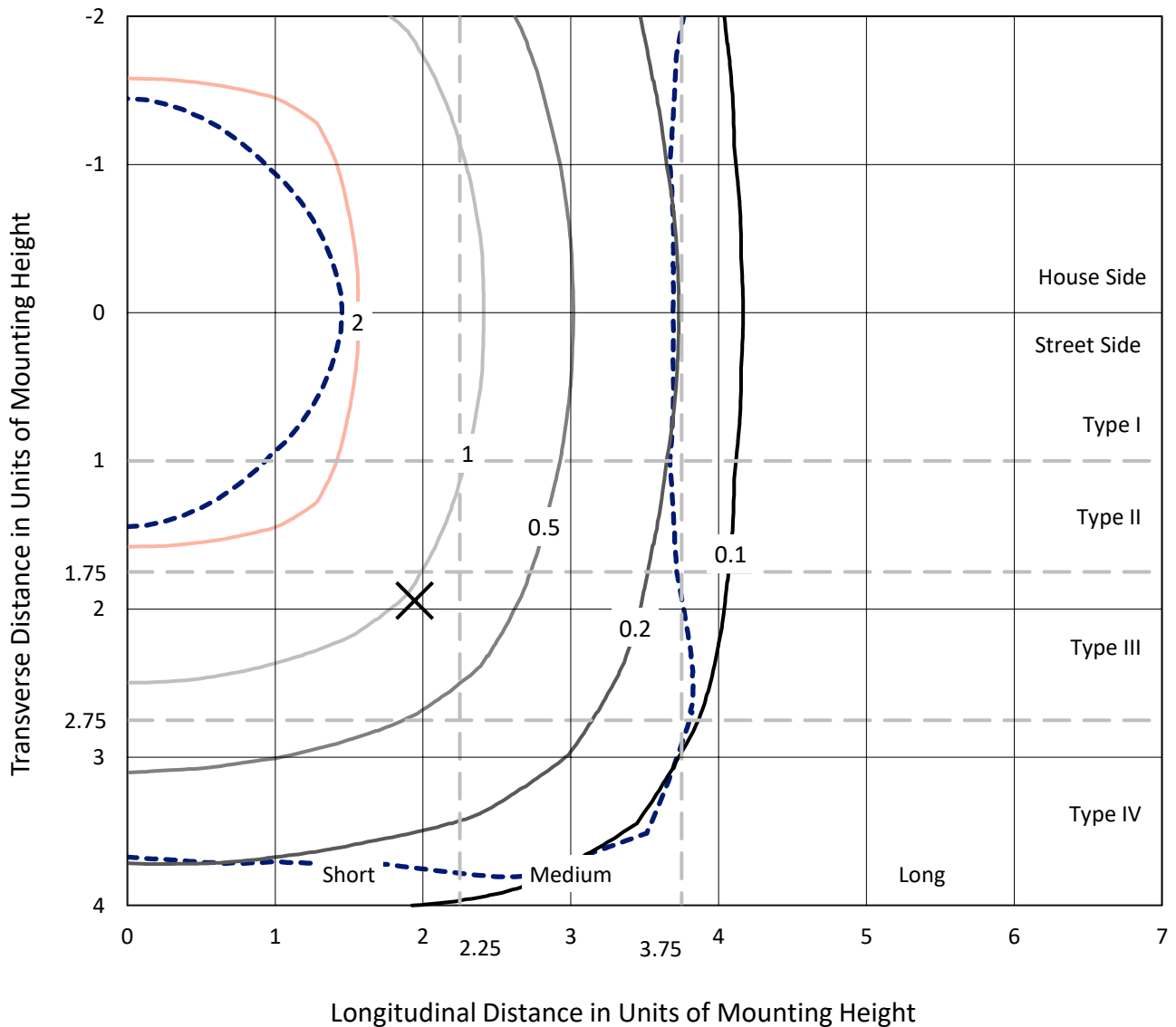
Input Watts (W): 321
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P455296
 CATALOG NUMBER: GALN-SA6C-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

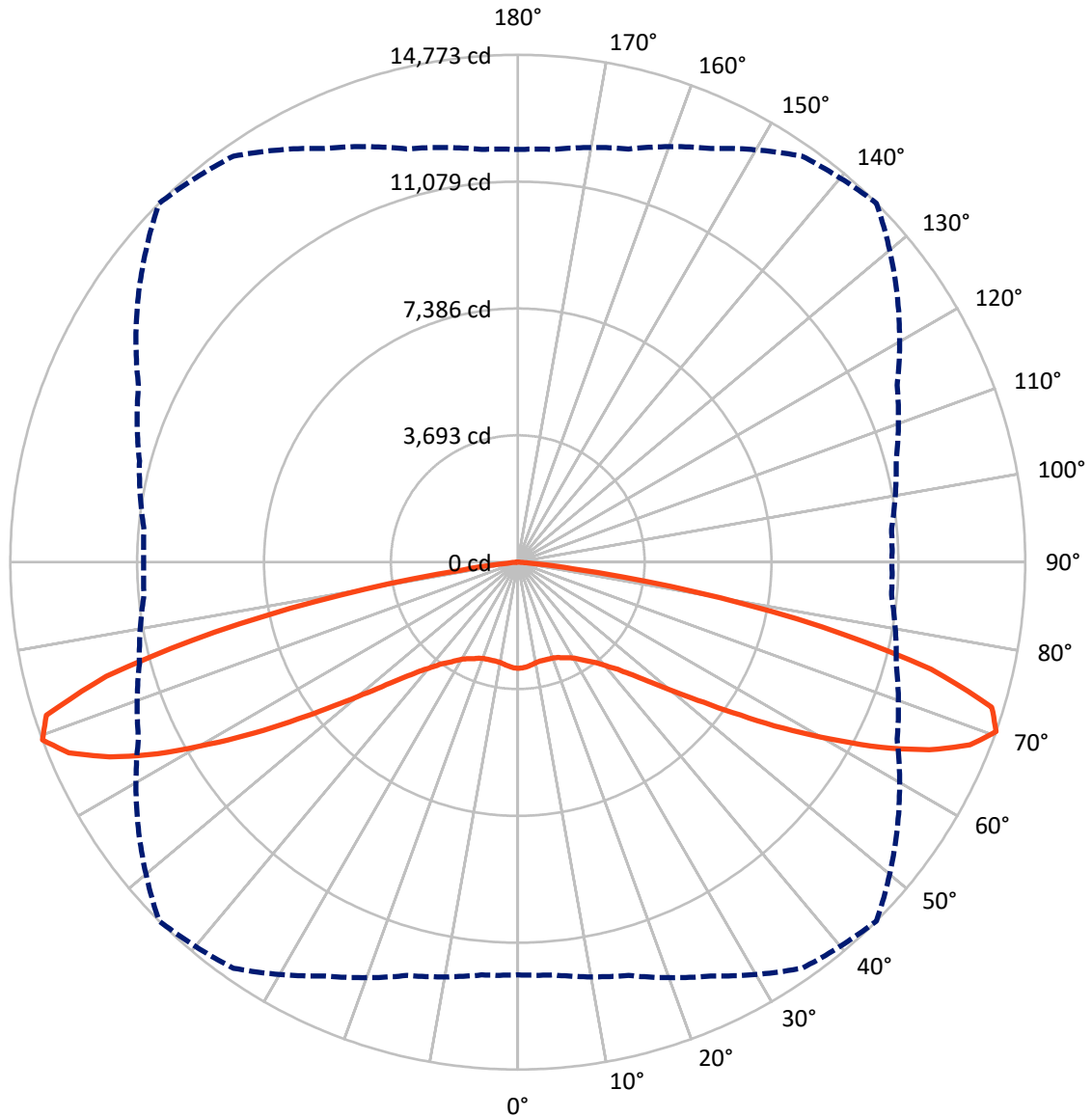
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

REPORT NUMBER: P455296
CATALOG NUMBER: GALN-SA6C-727-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18245.5	0.0	18245.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18245.5	0.0	18245.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36491.0	0.0	36491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.9	0.8
10°-20°	845.8	2.3
20°-30°	1441.1	3.9
30°-40°	2233.7	6.1
40°-50°	3759.6	10.3
50°-60°	6840.4	18.7
60°-70°	11580.6	31.7
70°-80°	8963.8	24.6
80°-90°	537.1	1.5
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°	36491.0	100.0
0°-180°	36491.0	100.0

Coefficient of Utilization



REPORT NUMBER: P455296

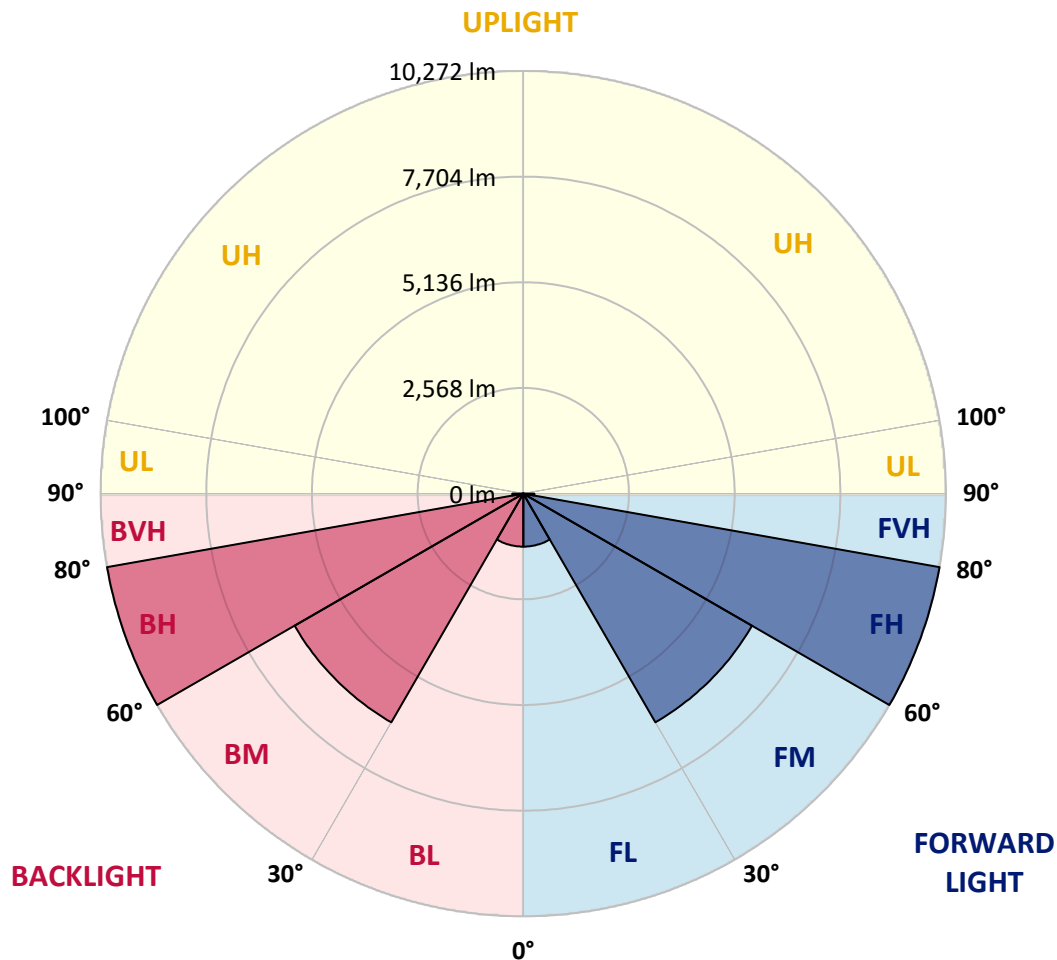
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1287.9	3.5			
FM (30°-60°)	6416.8	17.6			
FH (60°-80°)	10272.2	28.1			G4/12000
FVH (80°-90°)	268.6	0.7			G3/500
BL (0°-30°)	1287.9	3.5	B3/2500		
BM (30°-60°)	6416.8	17.6	B4/8500		
BH (60°-80°)	10272.2	28.1	B5		G4/12000
BVH (80°-90°)	268.6	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3089.4	3089.4	3089.4	3089.4	3089.4	3089.4	3089.4	3089.4	3089.4	3089.4	3089.4
2.5°	3081.7	3083.6	3083.6	3079.8	3077.8	3077.8	3075.9	3075.9	3081.7	3083.6	3085.6
5°	3054.7	3054.7	3054.7	3052.8	3048.9	3048.9	3045.1	3045.1	3047.0	3052.8	3048.9
7.5°	3018.1	3022.0	3022.0	3014.2	3008.5	3008.5	3006.5	3008.5	3010.4	3016.2	3014.2
10°	3006.5	3008.5	2998.8	2985.3	2975.7	2969.9	2971.8	2975.7	2985.3	2989.2	2991.1
12.5°	3014.2	3014.2	2996.9	2977.6	2960.3	2952.6	2950.6	2964.1	2981.5	2993.0	2996.9
15°	3023.9	3020.0	2998.8	2973.8	2956.4	2954.5	2952.6	2962.2	2987.3	3010.4	3012.3
17.5°	3029.7	3027.7	3000.8	2969.9	2960.3	2960.3	2958.4	2966.1	2993.0	3022.0	3023.9
20°	3048.9	3043.2	3012.3	2979.6	2971.8	2975.7	2969.9	2979.6	3008.5	3043.2	3050.9
22.5°	3087.5	3081.7	3050.9	3018.1	3014.2	3014.2	3012.3	3022.0	3052.8	3089.4	3095.2
25°	3133.7	3128.0	3099.0	3075.9	3079.8	3087.5	3083.6	3085.6	3110.6	3141.4	3151.1
27.5°	3195.4	3185.8	3160.7	3141.4	3153.0	3153.0	3153.0	3151.1	3166.5	3195.4	3205.0
30°	3270.6	3266.7	3239.7	3237.8	3247.4	3237.8	3237.8	3239.7	3241.7	3268.6	3278.3
32.5°	3368.9	3361.2	3347.7	3343.8	3370.8	3378.5	3351.5	3326.5	3340.0	3366.9	3372.7
35°	3530.8	3519.2	3499.9	3478.7	3499.9	3536.5	3478.7	3459.4	3494.1	3530.8	3534.6
37.5°	3750.5	3744.7	3713.8	3675.3	3673.4	3711.9	3652.2	3650.2	3715.8	3760.1	3765.9
40°	4026.1	4031.8	3993.3	3956.7	3937.4	3968.2	3922.0	3939.3	4002.9	4053.0	4049.2
42.5°	4413.4	4392.2	4332.5	4297.8	4276.6	4265.0	4253.5	4280.5	4351.8	4405.7	4448.1
45°	4866.4	4858.6	4783.5	4741.1	4694.8	4677.5	4673.6	4721.8	4808.5	4874.1	4879.8
47.5°	5379.0	5361.7	5313.5	5269.1	5251.8	5230.6	5211.3	5247.9	5334.7	5380.9	5394.4
50°	5907.1	5910.9	5910.9	5903.2	5920.6	5924.4	5872.4	5885.9	5934.1	5930.2	5926.3
52.5°	6510.3	6531.5	6631.7	6641.4	6724.2	6780.1	6685.7	6629.8	6612.5	6508.4	6516.1
55°	7219.5	7238.8	7389.1	7539.5	7763.0	7857.5	7659.0	7485.5	7362.2	7204.1	7211.8
57.5°	8104.2	8113.8	8256.4	8545.5	8900.1	9121.8	8772.9	8429.9	8179.3	8029.0	7969.3
60°	9056.2	9065.9	9274.0	9626.7	10177.9	10447.7	10016.0	9455.2	9139.1	8909.8	8925.2
62.5°	10199.1	10237.6	10424.6	10910.3	11579.0	11881.6	11309.2	10559.5	10131.6	9846.4	9858.0
65°	11422.9	11488.4	11692.7	12226.6	12843.3	13169.0	12467.5	11602.2	11070.2	10721.4	10758.0
67.5°	12216.9	12274.8	12569.6	13159.4	13928.4	14198.2	13292.4	12284.4	11619.5	11203.2	11126.1
70°	12014.6	12062.8	12455.9	13292.4	14431.4	14772.5	13488.9	12184.2	11401.7	10921.8	10891.0
72.5°	10605.8	10505.5	11079.9	12280.5	13857.1	14429.5	12870.3	11128.0	10143.2	9649.8	9592.0
75°	7028.7	7246.5	8094.5	9509.1	11723.6	12432.8	10985.4	8934.8	7695.6	7285.1	7221.5
77.5°	2349.3	2517.0	3270.6	5390.6	7992.4	9058.2	8003.9	5843.5	4134.0	3330.3	3345.7
80°	622.5	614.8	796.0	1482.1	3453.7	5246.0	4020.3	1979.3	1083.1	784.4	743.9
82.5°	223.6	250.5	321.9	410.5	915.5	1630.5	1150.6	555.1	406.7	300.7	291.0
85°	98.3	96.4	138.8	163.8	229.3	304.5	269.8	235.1	206.2	136.8	127.2
87.5°	21.2	21.2	32.8	25.1	40.5	40.5	50.1	59.7	61.7	40.5	32.8
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)