

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: P650946

Luminaire Tested: **GALN-SA6C-840-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650946
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-840-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 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: 36695.4 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

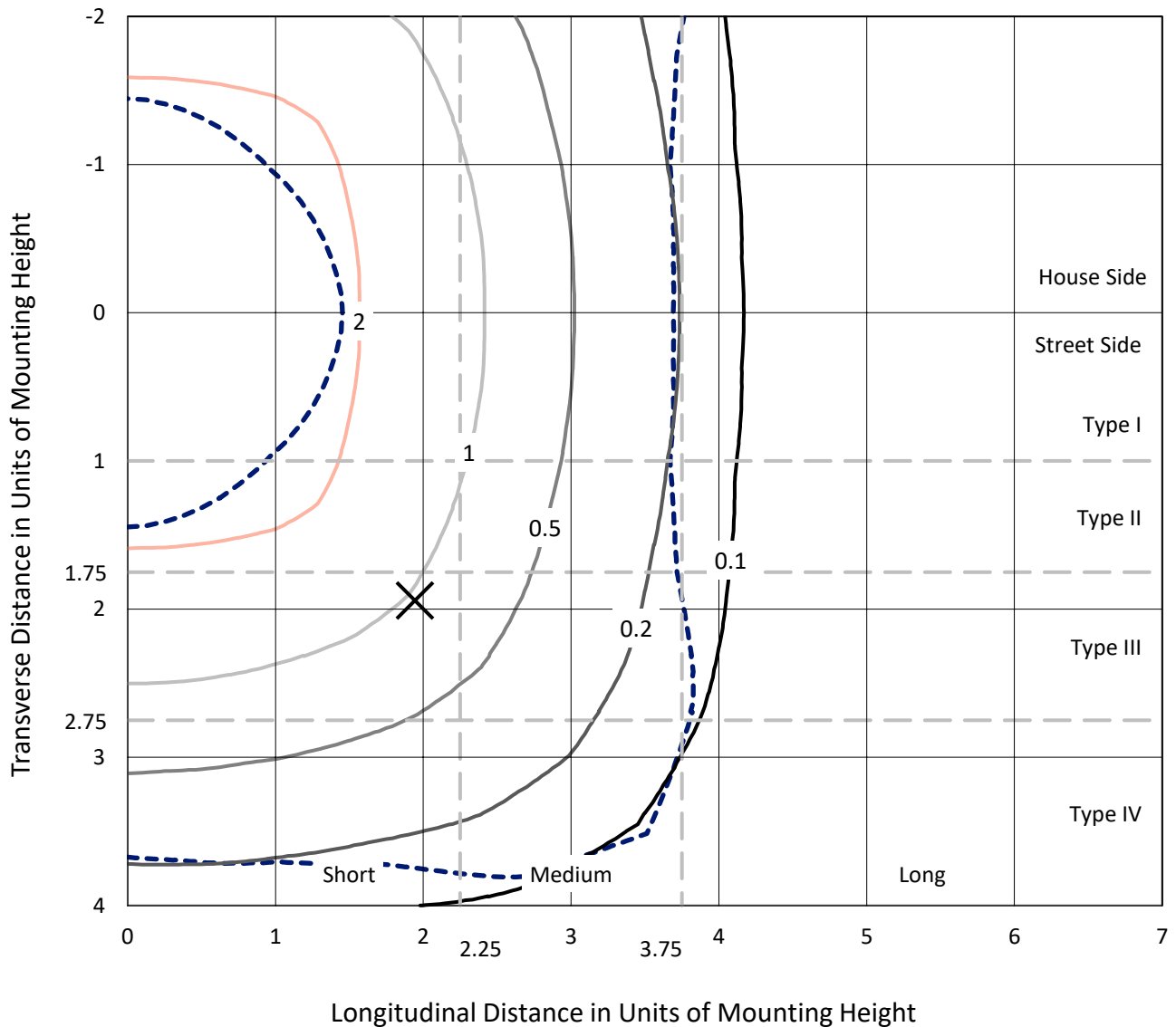
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P650946
 CATALOG NUMBER: GALN-SA6C-840-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

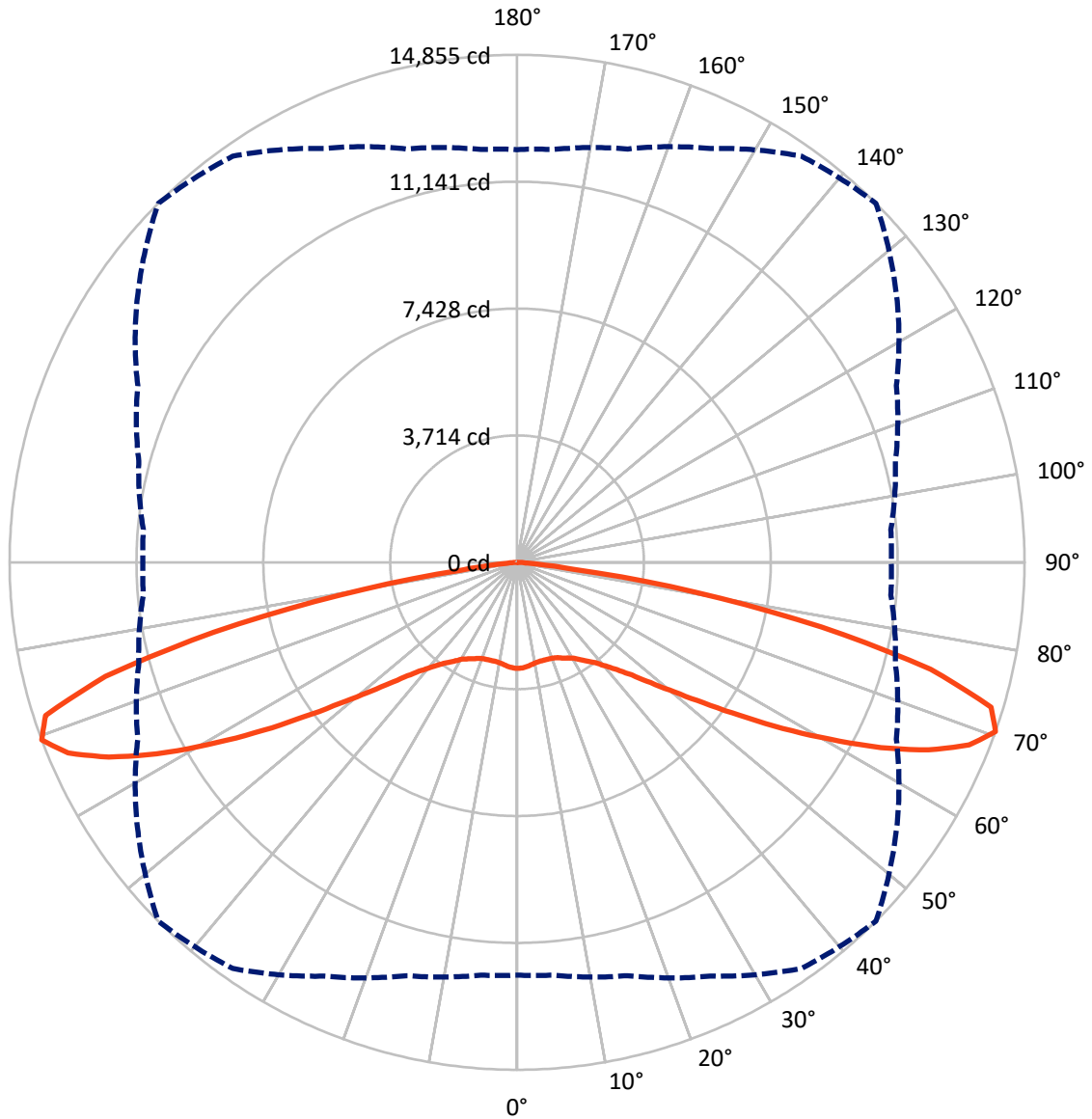
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

REPORT NUMBER: P650946
CATALOG NUMBER: GALN-SA6C-840-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P650946
 CATALOG NUMBER: GALN-SA6C-840-U-5WQ

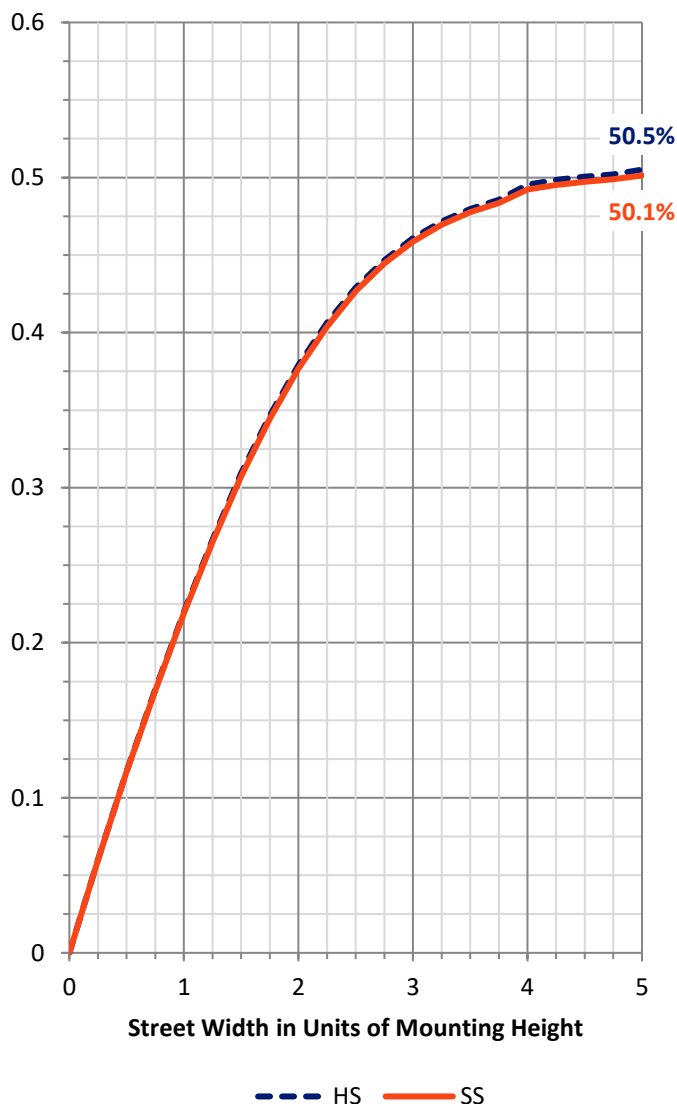
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18347.7	0.0	18347.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18347.7	0.0	18347.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	36695.4	0.0	36695.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.5	0.8
10°-20°	850.6	2.3
20°-30°	1449.2	3.9
30°-40°	2246.2	6.1
40°-50°	3780.6	10.3
50°-60°	6878.7	18.7
60°-70°	11645.4	31.7
70°-80°	9014.0	24.6
80°-90°	540.1	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°	36695.4	100.0
0°-180°	36695.4	100.0

Coefficient of Utilization



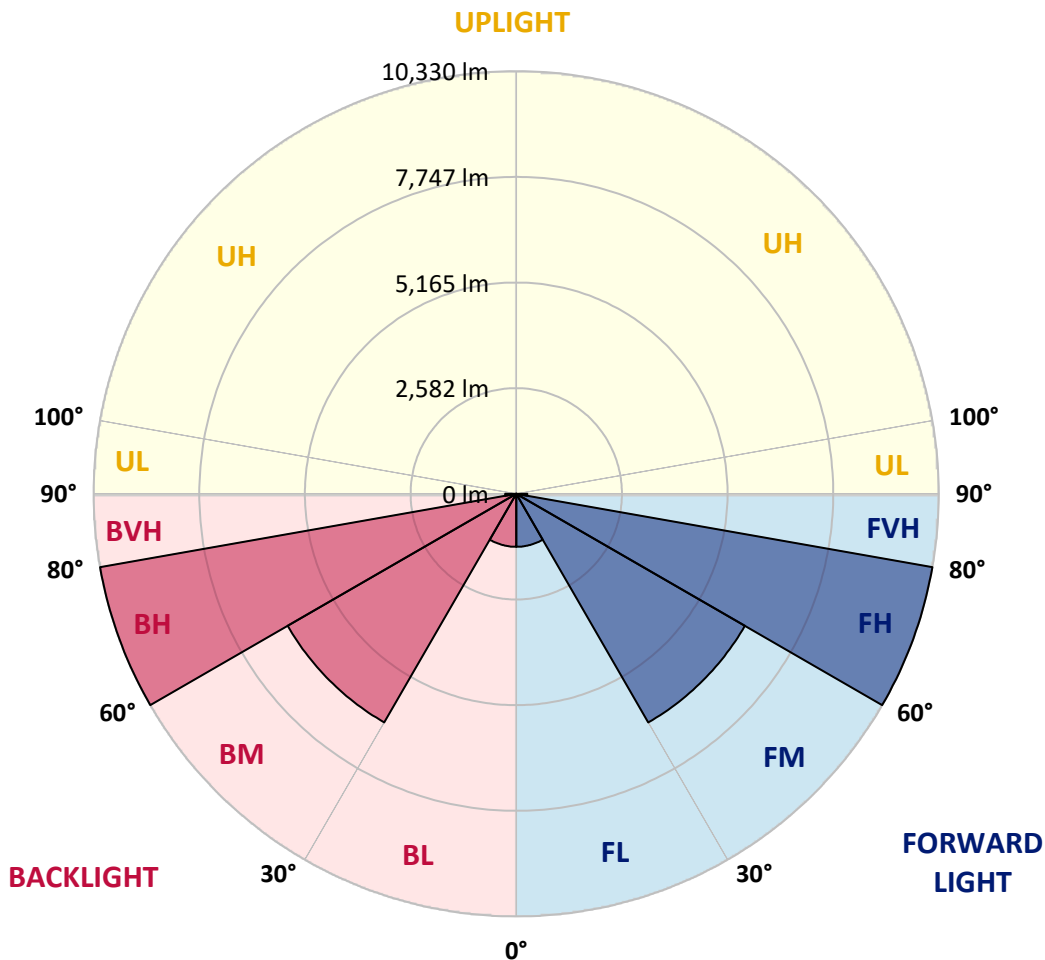
REPORT NUMBER: P650946
 CATALOG NUMBER: GALN-SA6C-840-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1295.1	3.5			
FM (30°-60°)	6452.7	17.6			
FH (60°-80°)	10329.7	28.1			G4/12000
FVH (80°-90°)	270.1	0.7			G3/500
BL (0°-30°)	1295.1	3.5	B3/2500		
BM (30°-60°)	6452.7	17.6	B4/8500		
BH (60°-80°)	10329.7	28.1	B5		G4/12000
BVH (80°-90°)	270.1	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





REPORT NUMBER: P650946
 CATALOG NUMBER: GALN-SA6C-840-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3106.7	3106.7	3106.7	3106.7	3106.7	3106.7	3106.7	3106.7	3106.7	3106.7	3106.7
2.5°	3098.9	3100.9	3100.9	3097.0	3095.0	3095.0	3093.1	3093.1	3098.9	3100.9	3102.9
5°	3071.8	3071.8	3071.8	3069.9	3066.0	3066.0	3062.2	3062.2	3064.1	3069.9	3066.0
7.5°	3035.0	3038.9	3038.9	3031.1	3025.3	3025.3	3023.4	3025.3	3027.3	3033.1	3031.1
10°	3023.4	3025.3	3015.7	3002.0	2992.4	2986.6	2988.5	2992.4	3002.0	3005.9	3007.8
12.5°	3031.1	3031.1	3013.7	2994.3	2976.9	2969.2	2967.1	2980.8	2998.2	3009.8	3013.7
15°	3040.8	3036.9	3015.7	2990.4	2973.0	2971.1	2969.2	2978.8	3004.0	3027.3	3029.2
17.5°	3046.6	3044.7	3017.6	2986.6	2976.9	2976.9	2975.0	2982.7	3009.8	3038.9	3040.8
20°	3066.0	3060.2	3029.2	2996.2	2988.5	2992.4	2986.6	2996.2	3025.3	3060.2	3068.0
22.5°	3104.8	3098.9	3068.0	3035.0	3031.1	3031.1	3029.2	3038.9	3069.9	3106.7	3112.5
25°	3151.3	3145.5	3116.4	3093.1	3097.0	3104.8	3100.9	3102.9	3128.0	3159.0	3168.7
27.5°	3213.3	3203.6	3178.4	3159.0	3170.7	3170.7	3170.7	3168.7	3184.2	3213.3	3223.0
30°	3288.9	3285.0	3257.9	3255.9	3265.6	3255.9	3255.9	3257.9	3259.8	3287.0	3296.6
32.5°	3387.7	3380.0	3366.4	3362.6	3389.7	3397.4	3370.3	3345.1	3358.6	3385.8	3391.6
35°	3550.5	3538.9	3519.5	3498.2	3519.5	3556.3	3498.2	3478.8	3513.7	3550.5	3554.4
37.5°	3771.5	3765.7	3734.6	3695.9	3693.9	3732.7	3672.6	3670.7	3736.6	3781.1	3786.9
40°	4048.6	4054.5	4015.7	3978.9	3959.4	3990.5	3944.0	3961.4	4025.4	4075.7	4071.9
42.5°	4438.1	4416.8	4356.8	4321.9	4300.5	4288.9	4277.3	4304.4	4376.1	4430.4	4473.0
45°	4893.6	4885.9	4810.3	4767.6	4721.1	4703.7	4699.8	4748.3	4835.5	4901.3	4907.2
47.5°	5409.1	5391.7	5343.2	5298.6	5281.2	5259.9	5240.5	5277.4	5364.6	5411.1	5424.6
50°	5940.2	5944.0	5944.0	5936.3	5953.7	5957.6	5905.2	5918.9	5967.3	5963.4	5959.5
52.5°	6546.8	6568.1	6668.9	6678.5	6761.9	6818.1	6723.1	6666.9	6649.5	6544.8	6552.6
55°	7260.0	7279.4	7430.5	7581.7	7806.5	7901.4	7701.9	7527.5	7403.4	7244.5	7252.2
57.5°	8149.5	8159.2	8302.7	8593.3	8949.9	9172.9	8822.1	8477.1	8225.1	8073.9	8013.9
60°	9106.9	9116.6	9325.9	9680.6	10234.9	10506.2	10072.1	9508.1	9190.3	8959.7	8975.2
62.5°	10256.2	10295.0	10483.0	10971.3	11643.9	11948.2	11372.5	10618.6	10188.4	9901.5	9913.2
65°	11486.9	11552.8	11758.2	12295.1	12915.2	13242.8	12537.3	11667.1	11132.2	10781.5	10818.3
67.5°	12285.3	12343.5	12640.1	13233.1	14006.4	14277.7	13366.8	12353.2	11684.6	11266.0	11188.4
70°	12081.9	12130.3	12525.7	13366.8	14512.2	14855.3	13564.5	12252.4	11465.6	10983.0	10952.0
72.5°	10665.1	10564.4	11141.9	12349.3	13934.6	14510.3	12942.4	11190.3	10200.0	9703.9	9645.8
75°	7068.1	7287.1	8139.9	9562.4	11789.2	12502.4	11047.0	8984.8	7738.7	7325.9	7262.0
77.5°	2362.5	2531.1	3288.9	5420.7	8037.1	9108.9	8048.8	5876.2	4157.1	3348.9	3364.5
80°	626.0	618.2	800.4	1490.3	3473.0	5275.4	4042.8	1990.4	1089.2	788.8	748.1
82.5°	224.8	252.0	323.6	412.8	920.6	1639.6	1157.0	558.2	408.9	302.3	292.7
85°	98.8	96.9	139.5	164.8	230.6	306.2	271.3	236.4	207.4	137.6	127.9
87.5°	21.3	21.3	33.0	25.2	40.7	40.7	50.4	60.0	62.0	40.7	33.0
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)