

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: P651933

Luminaire Tested: **GALN-SA6A-840-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P651933
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-840-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23801.1 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

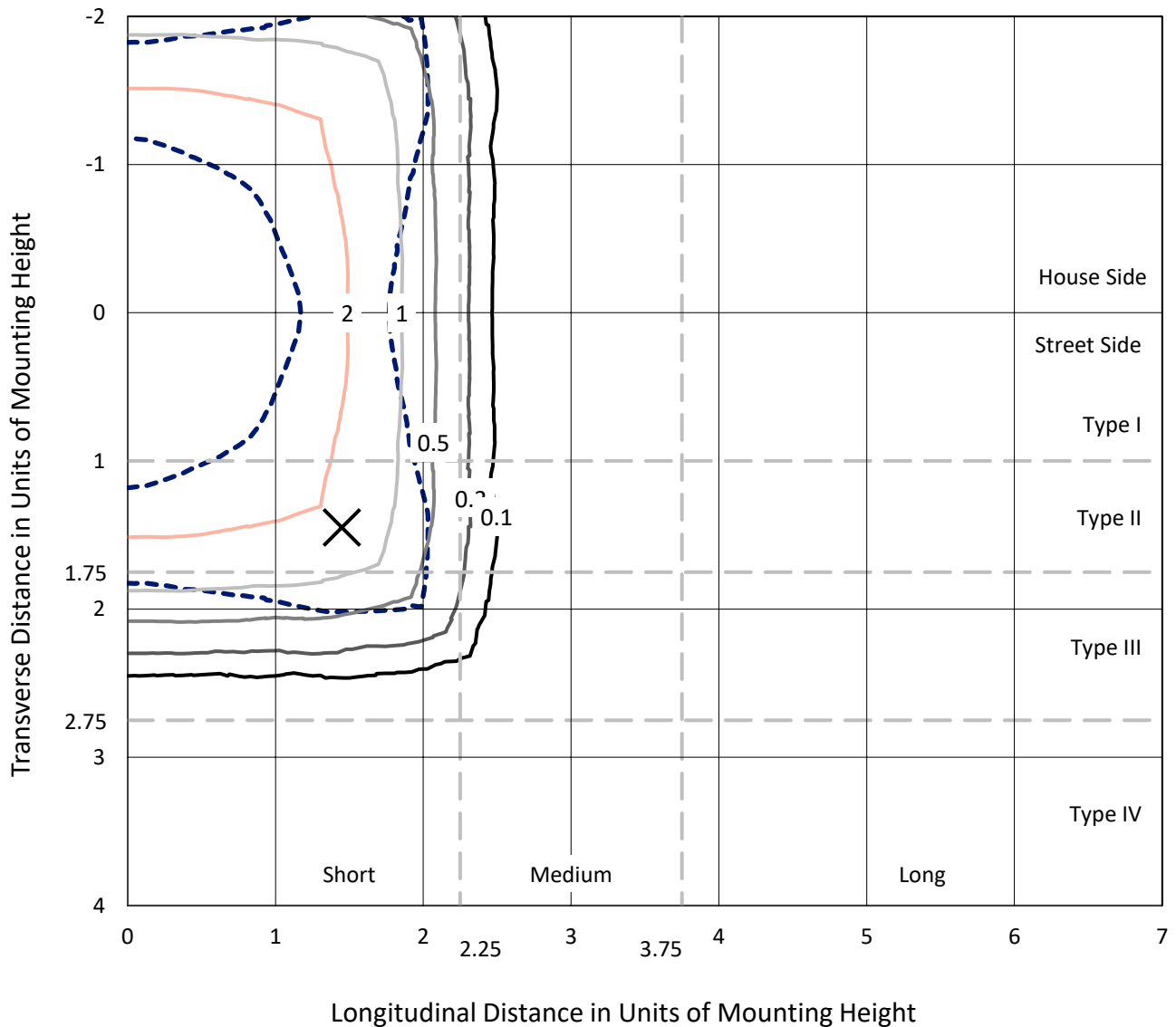
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P651933
 CATALOG NUMBER: GALN-SA6A-840-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

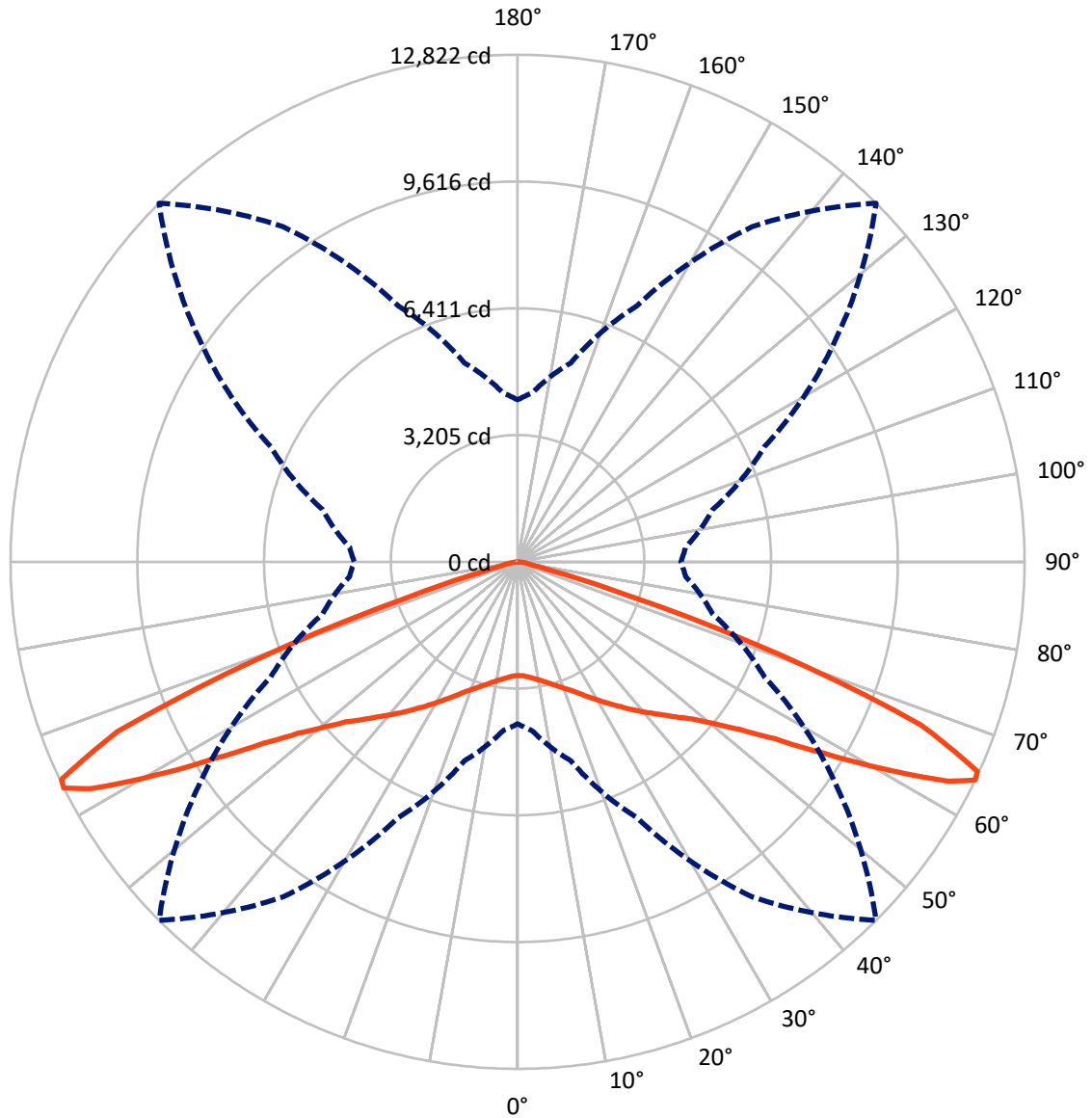
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

REPORT NUMBER: P651933
CATALOG NUMBER: GALN-SA6A-840-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P651933
 CATALOG NUMBER: GALN-SA6A-840-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11900.6	0.0	11900.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11900.6	0.0	11900.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	23801.1	0.0	23801.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.6	1.2
10°-20°	911.6	3.8
20°-30°	1722.7	7.2
30°-40°	2853.1	12.0
40°-50°	4454.1	18.7
50°-60°	6885.9	28.9
60°-70°	5937.6	24.9
70°-80°	672.9	2.8
80°-90°	80.6	0.3
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°	23801.1	100.0
0°-180°	23801.1	100.0



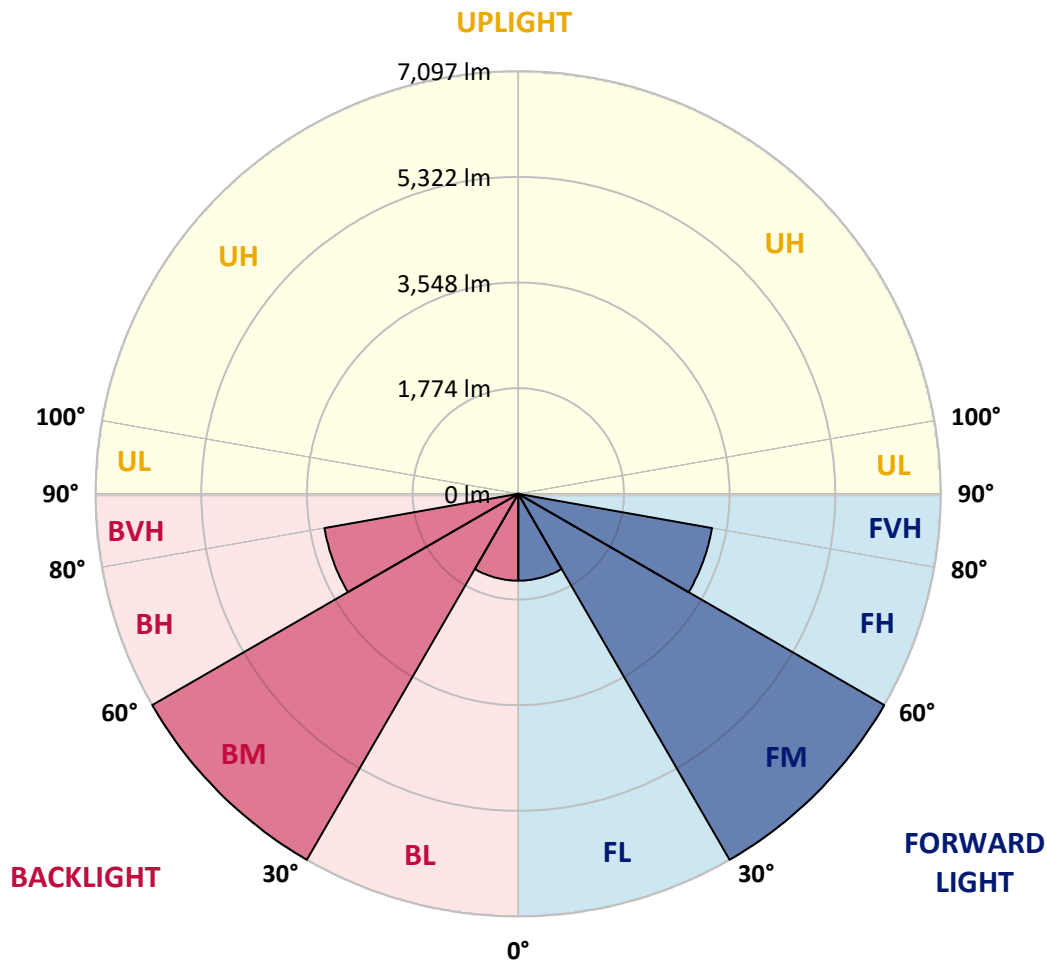
REPORT NUMBER: P651933
 CATALOG NUMBER: GALN-SA6A-840-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1458.5	6.1			
FM (30°-60°)	7096.5	29.8			
FH (60°-80°)	3305.2	13.9			G2/5000
FVH (80°-90°)	40.3	0.2			G1/100
BL (0°-30°)	1458.5	6.1	B3/2500		
BM (30°-60°)	7096.5	29.8	B4/8500		
BH (60°-80°)	3305.2	13.9	B4/5000		G2/5000
BVH (80°-90°)	40.3	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-G2

Type V Short





REPORT NUMBER: P651933
 CATALOG NUMBER: GALN-SA6A-840-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8
2.5°	2888.1	2894.4	2889.3	2888.1	2886.8	2886.8	2886.8	2888.1	2893.1	2896.9	2894.4
5°	2924.7	2929.7	2927.2	2925.9	2924.7	2925.9	2923.4	2922.1	2925.9	2925.9	2924.7
7.5°	2970.1	2976.4	2973.9	2976.4	2977.6	2978.9	2972.6	2967.6	2966.3	2970.1	2967.6
10°	3031.8	3036.9	3038.1	3039.4	3041.9	3040.6	3033.1	3024.2	3023.0	3021.7	3020.5
12.5°	3101.2	3105.0	3106.2	3111.3	3115.1	3116.3	3107.5	3099.9	3087.3	3089.8	3084.8
15°	3179.3	3186.9	3185.6	3193.2	3203.3	3205.8	3197.0	3184.4	3173.0	3166.7	3162.9
17.5°	3275.1	3280.2	3277.6	3285.2	3297.8	3304.1	3296.6	3280.2	3268.8	3254.9	3247.4
20°	3388.6	3397.4	3399.9	3399.9	3411.3	3417.6	3406.2	3401.2	3383.5	3373.4	3367.2
22.5°	3517.1	3520.9	3528.5	3536.1	3547.4	3544.9	3541.1	3533.5	3517.1	3508.3	3498.2
25°	3662.1	3665.9	3684.8	3701.2	3705.0	3702.5	3697.5	3693.7	3678.5	3658.4	3650.8
27.5°	3831.1	3838.7	3863.8	3878.9	3878.9	3880.2	3870.1	3882.7	3850.0	3826.0	3823.5
30°	4042.9	4047.9	4069.3	4084.5	4076.9	4070.6	4068.1	4080.7	4045.4	4002.5	3992.4
32.5°	4252.1	4269.8	4288.7	4321.5	4295.0	4283.6	4281.1	4289.9	4249.6	4201.7	4187.8
35°	4476.5	4489.1	4524.4	4552.2	4528.2	4501.7	4513.1	4540.8	4492.9	4428.6	4426.1
37.5°	4724.8	4736.2	4781.6	4810.6	4792.9	4747.5	4766.5	4799.3	4751.3	4671.9	4655.5
40°	4983.3	5007.2	5064.0	5094.2	5065.3	5004.7	5040.0	5075.4	5032.5	4940.5	4903.9
42.5°	5273.2	5311.1	5393.0	5408.1	5352.6	5270.7	5332.4	5389.2	5358.9	5253.1	5239.2
45°	5612.3	5635.0	5735.9	5768.7	5691.8	5589.6	5666.6	5769.9	5747.2	5624.9	5598.5
47.5°	5991.8	6013.2	6117.9	6167.1	6069.9	5932.6	6071.2	6206.1	6192.2	6061.2	6048.6
50°	6440.5	6445.6	6590.6	6646.1	6549.0	6430.5	6554.1	6721.7	6666.3	6498.6	6496.1
52.5°	6932.2	6938.5	7121.3	7228.5	7174.2	7040.7	7186.8	7289.0	7147.8	6928.4	6912.1
55°	7358.3	7389.9	7639.5	7924.3	7998.8	7901.6	7945.8	7897.9	7549.9	7242.4	7194.4
57.5°	7532.3	7594.1	7973.5	8505.5	8989.6	9133.3	8792.9	8336.6	7710.0	7275.2	7228.5
60°	7107.5	7174.2	7763.0	8772.7	10008.2	10632.2	9675.4	8410.9	7345.7	6734.3	6661.2
62.5°	5691.8	5710.6	6576.7	8143.7	10601.9	12218.0	10047.3	7776.9	6285.5	5454.7	5425.8
64°	4095.8	4289.9	5207.6	7140.3	10342.3	12821.9	9833.0	6888.1	5105.5	4264.7	4128.6
65°	3063.3	3116.3	4197.9	6097.7	9884.6	12776.6	9416.9	6038.5	4228.1	3263.8	3112.5
67.5°	1157.3	1163.6	1549.3	3039.4	7036.9	10992.7	7186.8	3285.2	1781.2	1288.3	1241.7
70°	480.3	489.1	568.5	1022.4	3024.2	7058.3	3465.5	1185.0	651.8	528.2	520.7
72.5°	351.7	356.8	380.7	453.8	930.3	2898.2	1139.6	503.0	382.0	341.6	337.8
75°	276.1	278.6	296.3	334.0	433.6	803.0	474.0	345.4	291.2	262.2	259.7
77.5°	210.5	216.8	229.4	254.7	291.2	380.7	313.9	258.4	224.4	200.4	196.6
80°	145.0	152.6	176.5	186.5	195.4	247.1	214.3	195.4	175.3	146.2	137.4
82.5°	89.5	94.5	118.5	127.3	123.5	138.7	137.4	139.9	124.8	90.7	84.4
85°	46.7	49.2	64.3	66.8	61.7	56.8	70.6	81.9	76.9	51.7	50.5
87.5°	10.1	11.4	13.9	12.6	13.9	13.9	17.7	26.5	27.8	17.7	16.4
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)