

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: P528198

Luminaire Tested: **GALN-SA3B-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14253 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

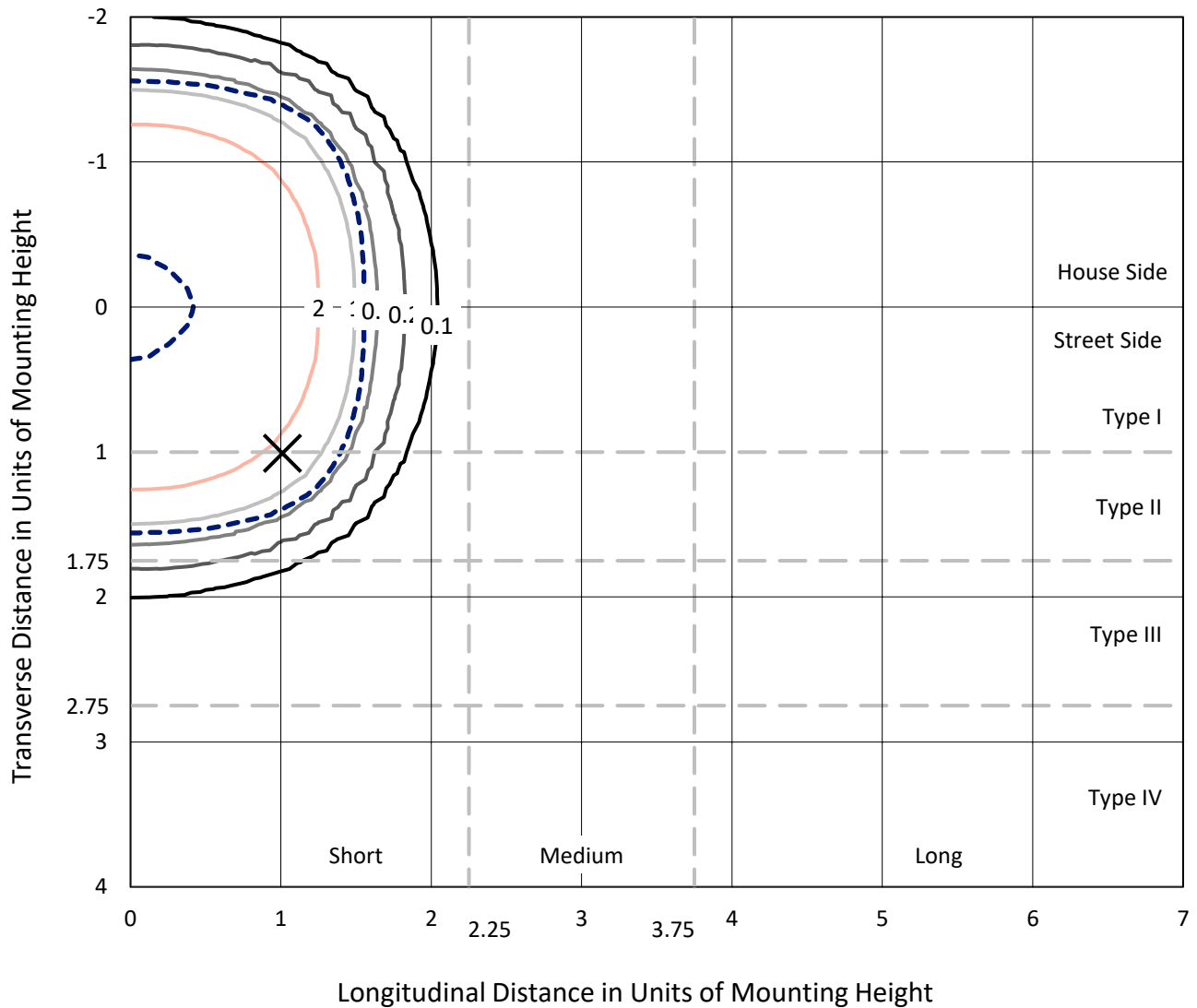
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528198
 CATALOG NUMBER: GALN-SA3B-735-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

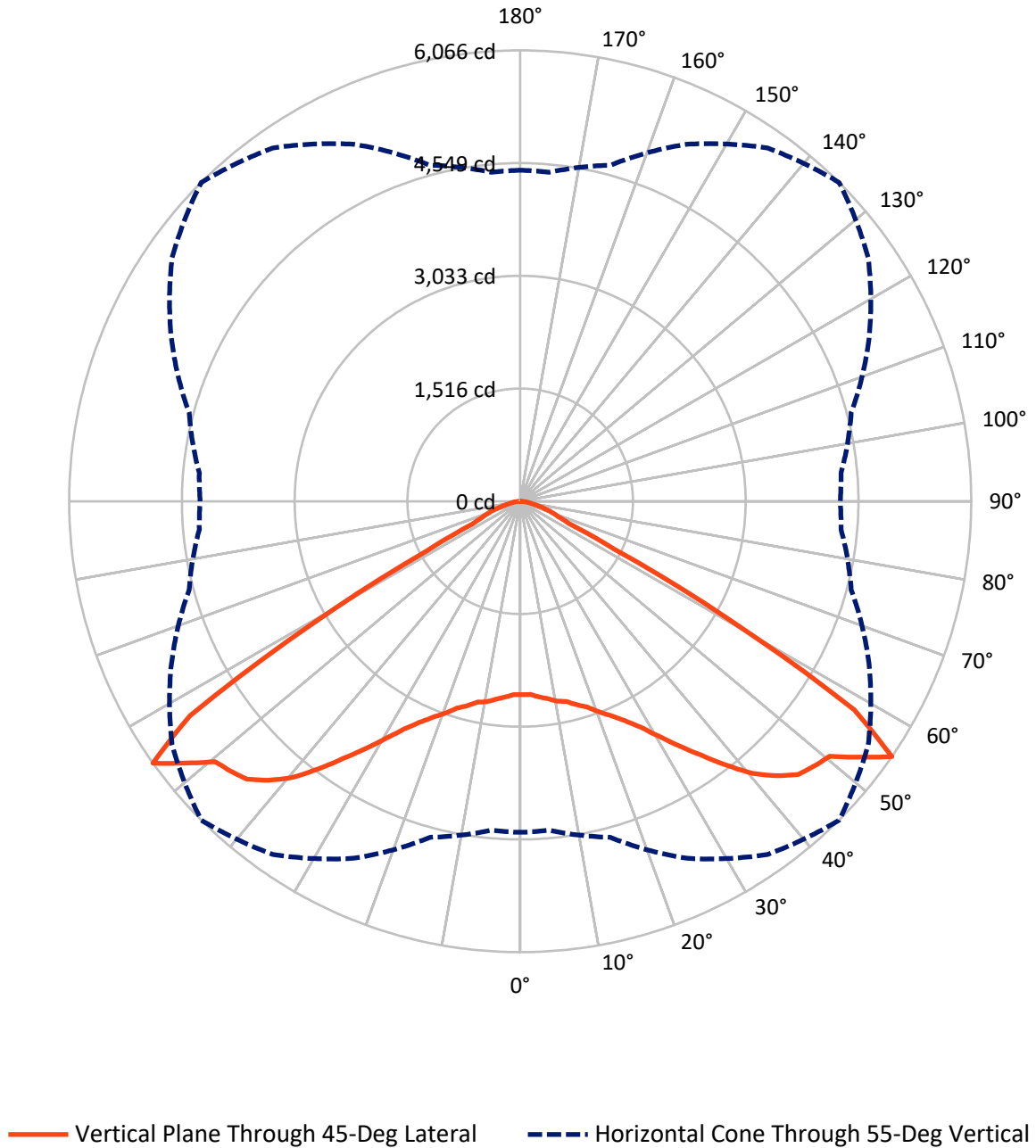
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

REPORT NUMBER: P528198
CATALOG NUMBER: GALN-SA3B-735-U-5NQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P528198
 CATALOG NUMBER: GALN-SA3B-735-U-5NQ-GRSWH

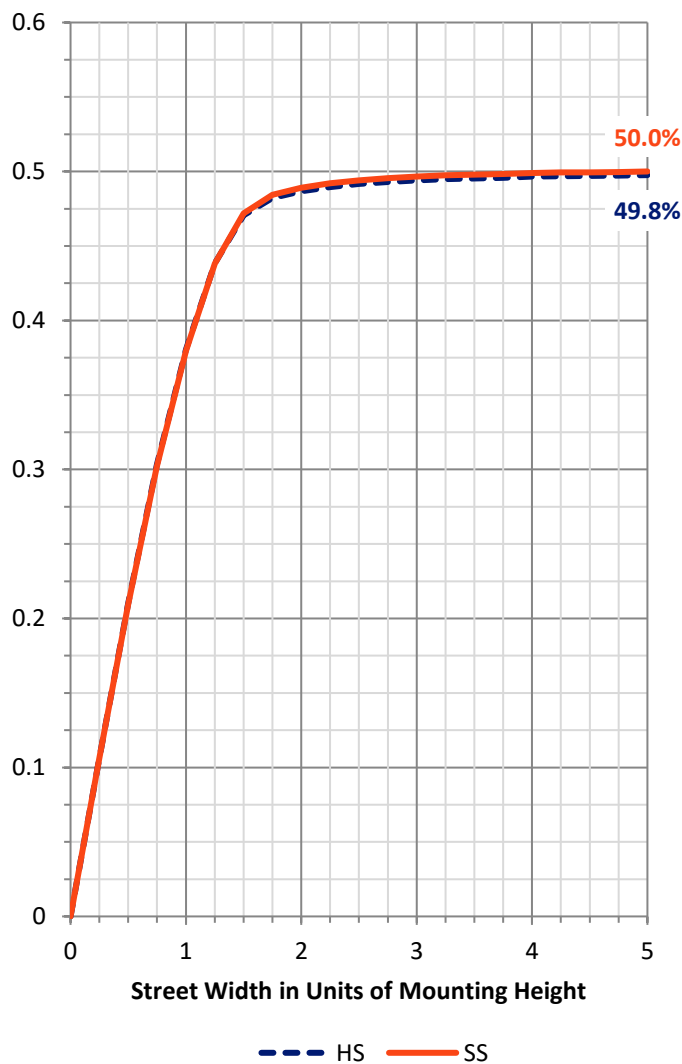
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7126.5	0.0	7126.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7126.5	0.0	7126.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14253.0	0.0	14253.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.2	1.8
10°-20°	805.5	5.7
20°-30°	1502.0	10.5
30°-40°	2514.9	17.6
40°-50°	3913.4	27.5
50°-60°	4063.4	28.5
60°-70°	861.7	6.0
70°-80°	283.8	2.0
80°-90°	54.0	0.4
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°	14253.0	100.0
0°-180°	14253.0	100.0

Coefficient of Utilization

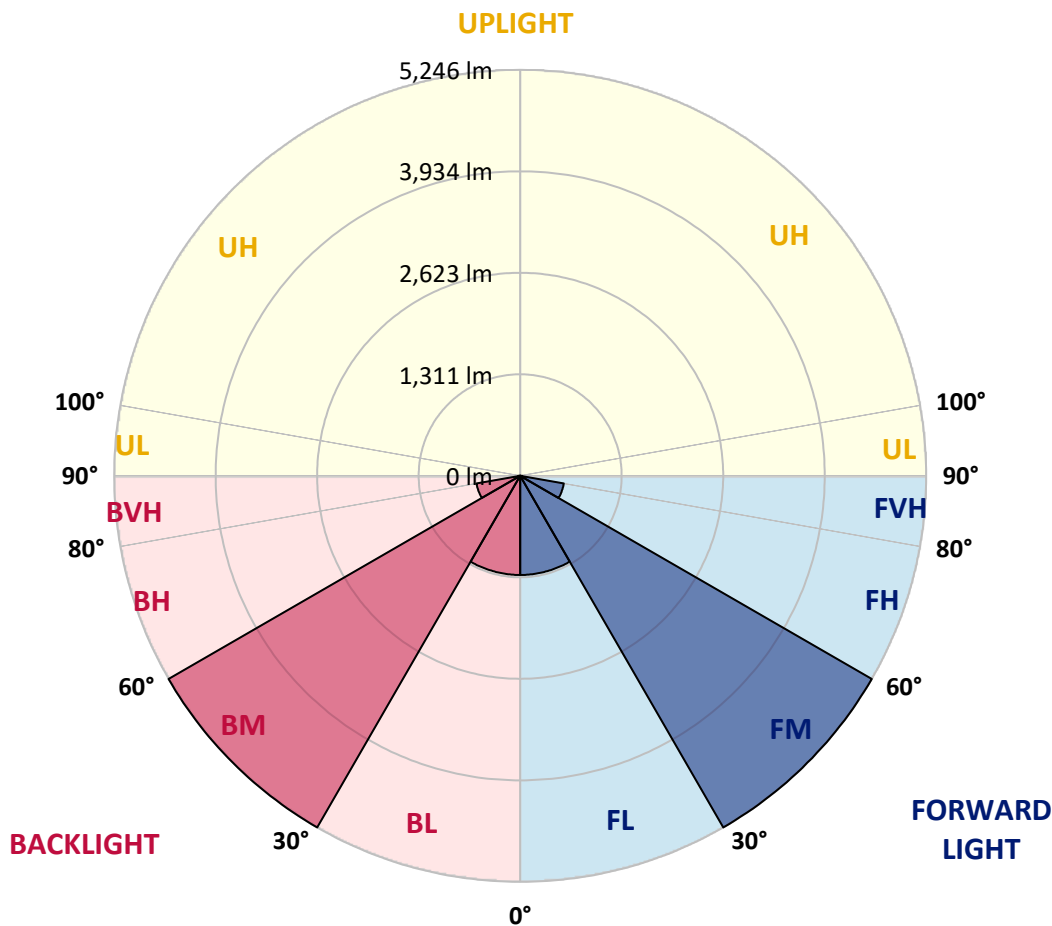


REPORT NUMBER: P528198
 CATALOG NUMBER: GALN-SA3B-735-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1280.9	9.0			
FM (30°-60°)	5245.8	36.8			
FH (60°-80°)	572.7	4.0			G0/660
FVH (80°-90°)	27.0	0.2			G1/100
BL (0°-30°)	1280.9	9.0	B3/2500		
BM (30°-60°)	5245.8	36.8	B4/8500		
BH (60°-80°)	572.7	4.0	B2/1000		G0/660
BVH (80°-90°)	27.0	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-G1
 Type V Short





REPORT NUMBER: P528198

CATALOG NUMBER: GALN-SA3B-735-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2602.4	2602.4	2602.4	2602.4	2602.4	2602.4	2602.4	2602.4	2602.4	2602.4	2602.4
2.5°	2633.4	2621.3	2600.7	2616.2	2628.2	2602.4	2612.7	2617.9	2614.4	2600.7	2605.8
5°	2671.3	2664.4	2647.2	2659.2	2643.7	2643.7	2633.4	2619.6	2640.3	2636.8	2645.4
7.5°	2671.3	2662.7	2697.1	2674.7	2681.6	2681.6	2664.4	2650.6	2660.9	2645.4	2636.8
10°	2724.7	2736.7	2721.2	2726.4	2722.9	2735.0	2709.2	2700.6	2691.9	2686.8	2676.4
12.5°	2788.4	2779.8	2784.9	2781.5	2793.6	2762.6	2747.1	2728.1	2743.6	2721.2	2736.7
15°	2840.1	2834.9	2840.1	2853.8	2841.8	2840.1	2812.5	2793.6	2769.4	2774.6	2750.5
17.5°	2910.7	2905.5	2907.2	2919.3	2917.6	2909.0	2888.3	2852.1	2843.5	2829.7	2814.2
20°	3015.7	3007.1	3003.7	3008.8	3017.5	3024.3	2983.0	2969.2	2940.0	2917.6	2891.7
22.5°	3105.3	3101.9	3115.6	3093.2	3112.2	3132.9	3093.2	3086.3	3014.0	3002.0	2974.4
25°	3229.3	3224.1	3215.5	3248.2	3270.6	3268.9	3231.0	3193.1	3138.0	3124.2	3124.2
27.5°	3360.2	3330.9	3375.7	3384.3	3423.9	3436.0	3403.3	3348.1	3296.5	3267.2	3274.1
30°	3523.8	3496.3	3506.6	3568.6	3620.3	3665.0	3582.4	3501.4	3429.1	3377.4	3368.8
32.5°	3687.4	3659.9	3690.9	3751.2	3854.5	3921.7	3840.7	3699.5	3615.1	3539.3	3554.8
35°	3820.0	3840.7	3890.7	3981.9	4088.7	4197.2	4068.1	3959.6	3839.0	3754.6	3766.7
37.5°	4033.6	4097.3	4136.9	4242.0	4393.6	4505.5	4371.2	4230.0	4100.8	3990.6	3952.7
40°	4312.6	4355.7	4400.5	4524.5	4703.6	4815.5	4688.1	4503.8	4376.3	4262.7	4257.5
42.5°	4619.2	4660.5	4707.0	4858.6	4965.4	5049.8	4932.6	4834.5	4693.2	4603.7	4598.5
45°	4975.7	4946.4	4998.1	5098.0	5187.5	5242.7	5166.9	5118.7	5017.0	4934.4	4925.8
47.5°	5213.4	5187.5	5280.6	5370.1	5383.9	5323.6	5339.1	5383.9	5277.1	5141.0	5184.1
50°	5351.2	5351.2	5413.2	5495.8	5470.0	5392.5	5514.8	5518.2	5411.4	5290.9	5290.9
52.5°	5111.8	5165.2	5340.8	5611.2	5697.3	5719.7	5692.2	5575.1	5296.1	5049.8	5037.7
55°	4453.9	4441.8	4679.5	5299.5	5800.7	6065.9	5714.6	5175.5	4608.9	4331.6	4304.0
57.5°	2896.9	2910.7	3265.5	3897.5	4801.8	5296.1	4703.6	3945.8	3265.5	2883.1	2919.3
60°	1303.8	1350.3	1565.6	2037.5	2814.2	3217.2	2821.1	2140.8	1643.1	1426.1	1445.0
62.5°	749.2	757.8	766.4	909.4	1198.7	1417.4	1245.2	961.0	847.4	809.5	809.5
65°	632.1	626.9	628.6	640.7	671.7	716.5	697.5	671.7	675.1	671.7	666.5
67.5°	537.4	544.2	539.1	547.7	549.4	556.3	568.4	578.7	580.4	583.9	580.4
70°	440.9	442.6	446.1	453.0	454.7	459.9	477.1	485.7	490.9	490.9	497.7
72.5°	337.6	335.8	339.3	346.2	354.8	356.5	372.0	384.1	391.0	382.3	384.1
75°	222.2	223.9	229.1	234.2	246.3	258.3	263.5	275.6	277.3	280.7	272.1
77.5°	132.6	136.1	141.2	151.6	161.9	172.2	184.3	192.9	196.3	192.9	182.6
80°	86.1	86.1	93.0	101.6	113.7	122.3	129.2	136.1	141.2	136.1	132.6
82.5°	53.4	53.4	62.0	72.3	80.9	86.1	96.4	105.1	110.2	106.8	101.6
85°	27.6	29.3	36.2	44.8	51.7	55.1	53.4	48.2	43.1	41.3	37.9
87.5°	8.6	8.6	10.3	10.3	8.6	8.6	10.3	8.6	10.3	10.3	10.3
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)