

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: P528172

Luminaire Tested: **GALN-SA3B-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528172
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-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 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: 13934 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

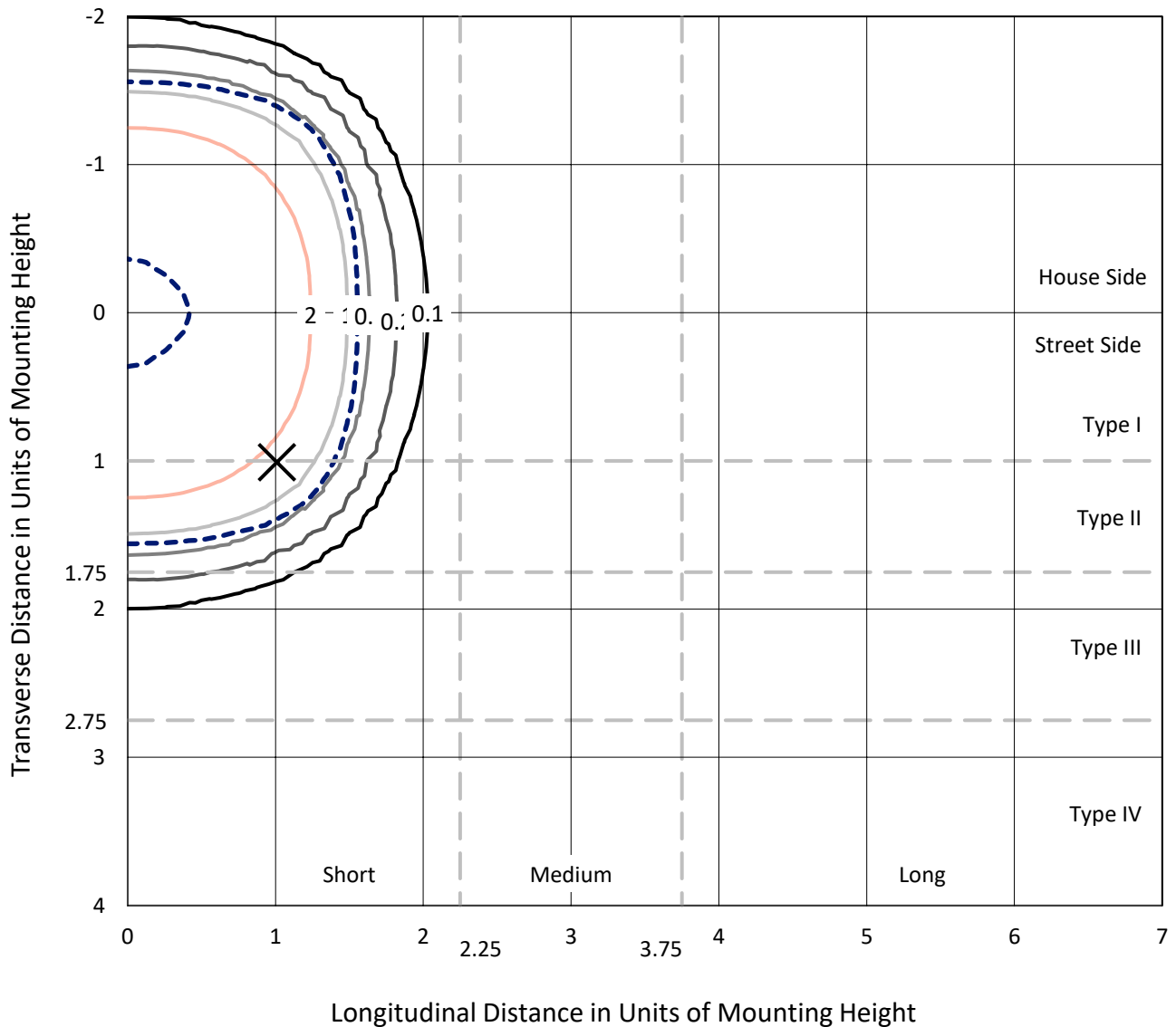
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528172
 CATALOG NUMBER: GALN-SA3B-730-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

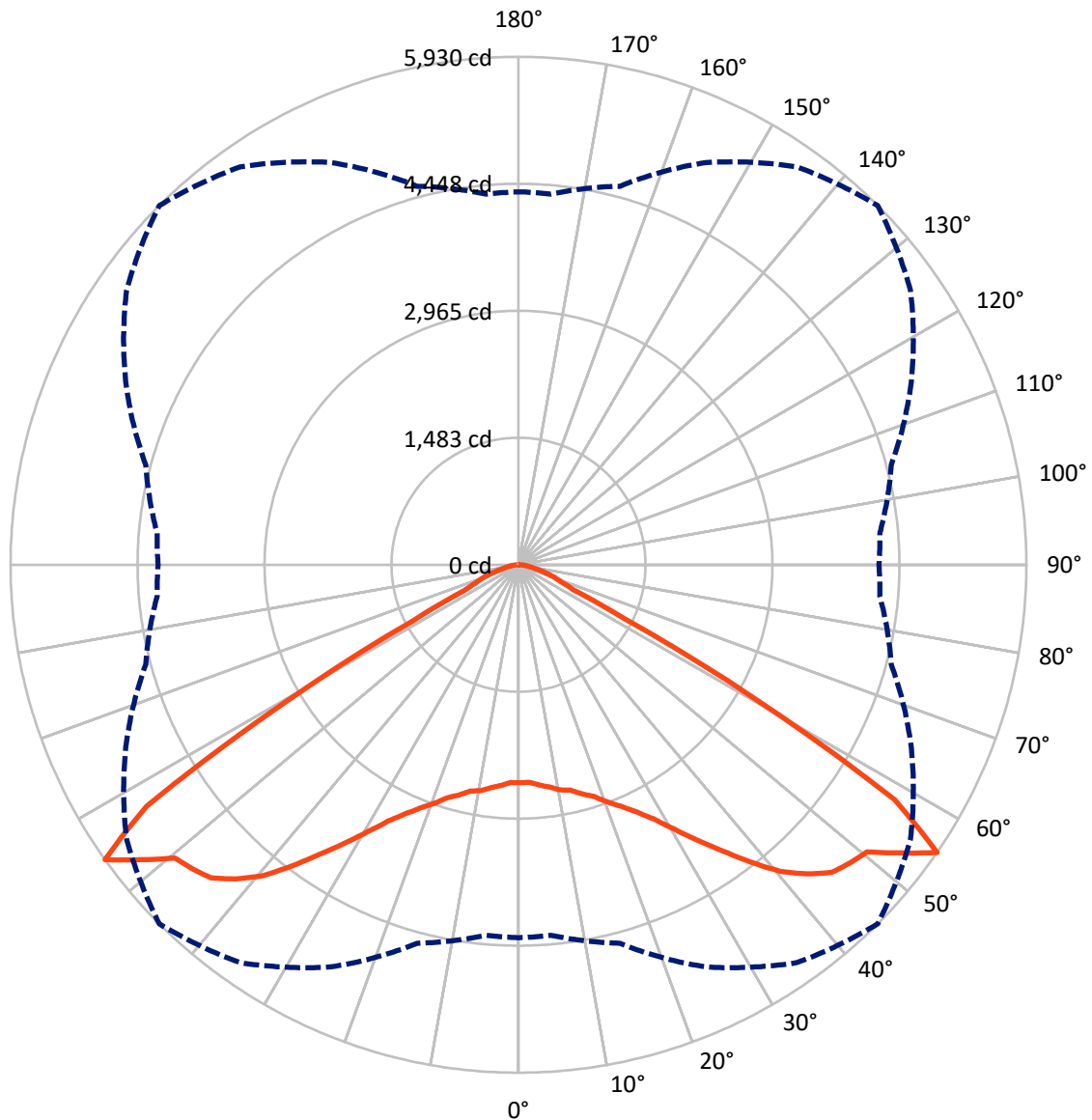
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

REPORT NUMBER: P528172
CATALOG NUMBER: GALN-SA3B-730-U-5NQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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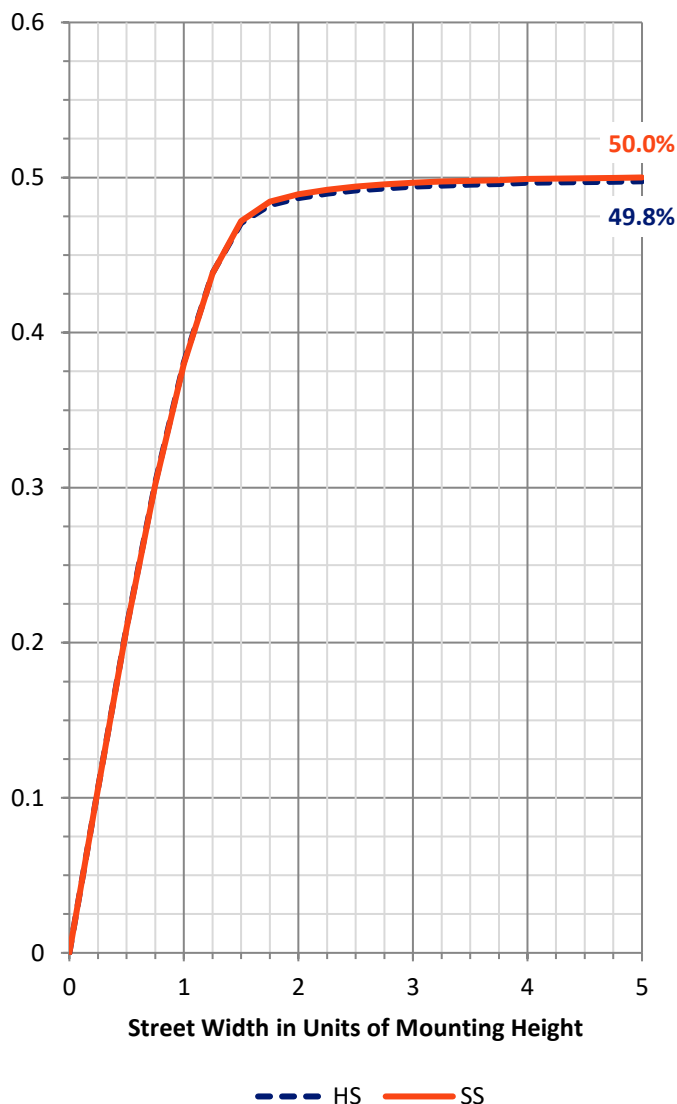
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6967.0	0.0	6967.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6967.0	0.0	6967.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13934.0	0.0	13934.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.5	1.8
10°-20°	787.5	5.7
20°-30°	1468.4	10.5
30°-40°	2458.6	17.6
40°-50°	3825.8	27.5
50°-60°	3972.4	28.5
60°-70°	842.4	6.0
70°-80°	277.4	2.0
80°-90°	52.8	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°	13934.0	100.0
0°-180°	13934.0	100.0

Coefficient of Utilization



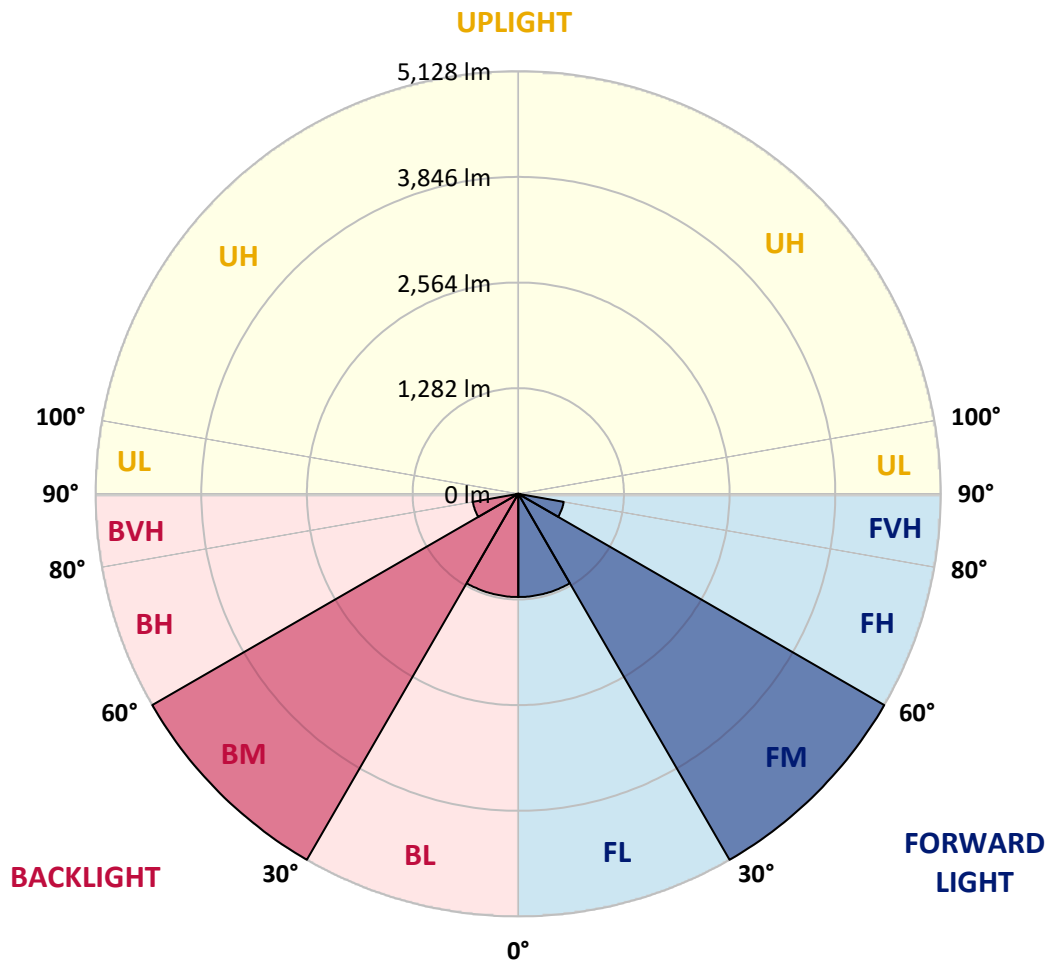
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1252.2	9.0			
FM (30°-60°)	5128.4	36.8			
FH (60°-80°)	559.9	4.0			G0/660
FVH (80°-90°)	26.4	0.2			G1/100
BL (0°-30°)	1252.2	9.0	B3/2500		
BM (30°-60°)	5128.4	36.8	B4/8500		
BH (60°-80°)	559.9	4.0	B2/1000		G0/660
BVH (80°-90°)	26.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2544.1	2544.1	2544.1	2544.1	2544.1	2544.1	2544.1	2544.1	2544.1	2544.1	2544.1
2.5°	2574.4	2562.7	2542.5	2557.6	2569.4	2544.1	2554.2	2559.3	2555.9	2542.5	2547.5
5°	2611.5	2604.8	2587.9	2599.7	2584.6	2584.6	2574.4	2561.0	2581.2	2577.8	2586.2
7.5°	2611.5	2603.1	2636.7	2614.9	2621.6	2621.6	2604.8	2591.3	2601.4	2586.2	2577.8
10°	2663.7	2675.5	2660.3	2665.4	2662.0	2673.8	2648.5	2640.1	2631.7	2626.6	2616.5
12.5°	2726.0	2717.6	2722.6	2719.3	2731.0	2700.7	2685.6	2667.1	2682.2	2660.3	2675.5
15°	2776.5	2771.4	2776.5	2790.0	2778.2	2776.5	2749.6	2731.0	2707.5	2712.5	2688.9
17.5°	2845.5	2840.5	2842.2	2853.9	2852.3	2843.8	2823.6	2788.3	2779.9	2766.4	2751.2
20°	2948.2	2939.8	2936.5	2941.5	2949.9	2956.7	2916.2	2902.8	2874.2	2852.3	2827.0
22.5°	3035.8	3032.4	3045.9	3024.0	3042.5	3062.7	3024.0	3017.3	2946.6	2934.8	2907.8
25°	3157.0	3152.0	3143.6	3175.5	3197.4	3195.8	3158.7	3121.7	3067.8	3054.3	3054.3
27.5°	3285.0	3256.4	3300.1	3308.6	3347.3	3359.1	3327.1	3273.2	3222.7	3194.1	3200.8
30°	3444.9	3418.0	3428.1	3488.7	3539.2	3583.0	3502.2	3423.1	3352.3	3301.8	3293.4
32.5°	3604.9	3578.0	3608.3	3667.2	3768.2	3833.9	3754.8	3616.7	3534.2	3460.1	3475.3
35°	3734.5	3754.8	3803.6	3892.8	3997.2	4103.3	3977.0	3870.9	3753.1	3670.6	3682.4
37.5°	3943.3	4005.6	4044.4	4147.1	4295.2	4404.7	4273.3	4135.3	4009.0	3901.2	3864.2
40°	4216.1	4258.2	4302.0	4423.2	4598.3	4707.8	4583.2	4403.0	4278.4	4167.3	4162.2
42.5°	4515.8	4556.2	4601.7	4749.8	4854.2	4936.7	4822.2	4726.3	4588.2	4500.7	4495.6
45°	4864.3	4835.7	4886.2	4983.9	5071.4	5125.3	5051.2	5004.1	4904.8	4823.9	4815.5
47.5°	5096.7	5071.4	5162.4	5249.9	5263.4	5204.5	5219.6	5263.4	5159.0	5026.0	5068.1
50°	5231.4	5231.4	5292.0	5372.8	5347.6	5271.8	5391.4	5394.7	5290.3	5172.5	5172.5
52.5°	4997.4	5049.6	5221.3	5485.6	5569.8	5591.7	5564.8	5450.3	5177.5	4936.7	4925.0
55°	4354.2	4342.4	4574.7	5180.9	5670.9	5930.2	5586.7	5059.7	4505.7	4234.6	4207.7
57.5°	2832.1	2845.5	3192.4	3810.3	4694.3	5177.5	4598.3	3857.5	3192.4	2818.6	2853.9
60°	1274.6	1320.1	1530.5	1991.9	2751.2	3145.2	2758.0	2092.9	1606.3	1394.1	1412.7
62.5°	732.4	740.8	749.3	889.0	1171.9	1385.7	1217.3	939.5	828.4	791.4	791.4
65°	617.9	612.9	614.6	626.4	656.7	700.4	681.9	656.7	660.0	656.7	651.6
67.5°	525.3	532.1	527.0	535.4	537.1	543.9	555.6	565.7	567.4	570.8	567.4
70°	431.0	432.7	436.1	442.8	444.5	449.6	466.4	474.8	479.9	479.9	486.6
72.5°	330.0	328.3	331.7	338.4	346.9	348.5	363.7	375.5	382.2	373.8	375.5
75°	217.2	218.9	223.9	229.0	240.8	252.6	257.6	269.4	271.1	274.5	266.0
77.5°	129.6	133.0	138.1	148.2	158.3	168.4	180.2	188.6	191.9	188.6	178.5
80°	84.2	84.2	90.9	99.3	111.1	119.5	126.3	133.0	138.1	133.0	129.6
82.5°	52.2	52.2	60.6	70.7	79.1	84.2	94.3	102.7	107.8	104.4	99.3
85°	26.9	28.6	35.4	43.8	50.5	53.9	52.2	47.1	42.1	40.4	37.0
87.5°	8.4	8.4	10.1	10.1	8.4	8.4	10.1	8.4	10.1	10.1	10.1
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)