

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: P528222

Luminaire Tested: **GALN-SA3B-740-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-740-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14994 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

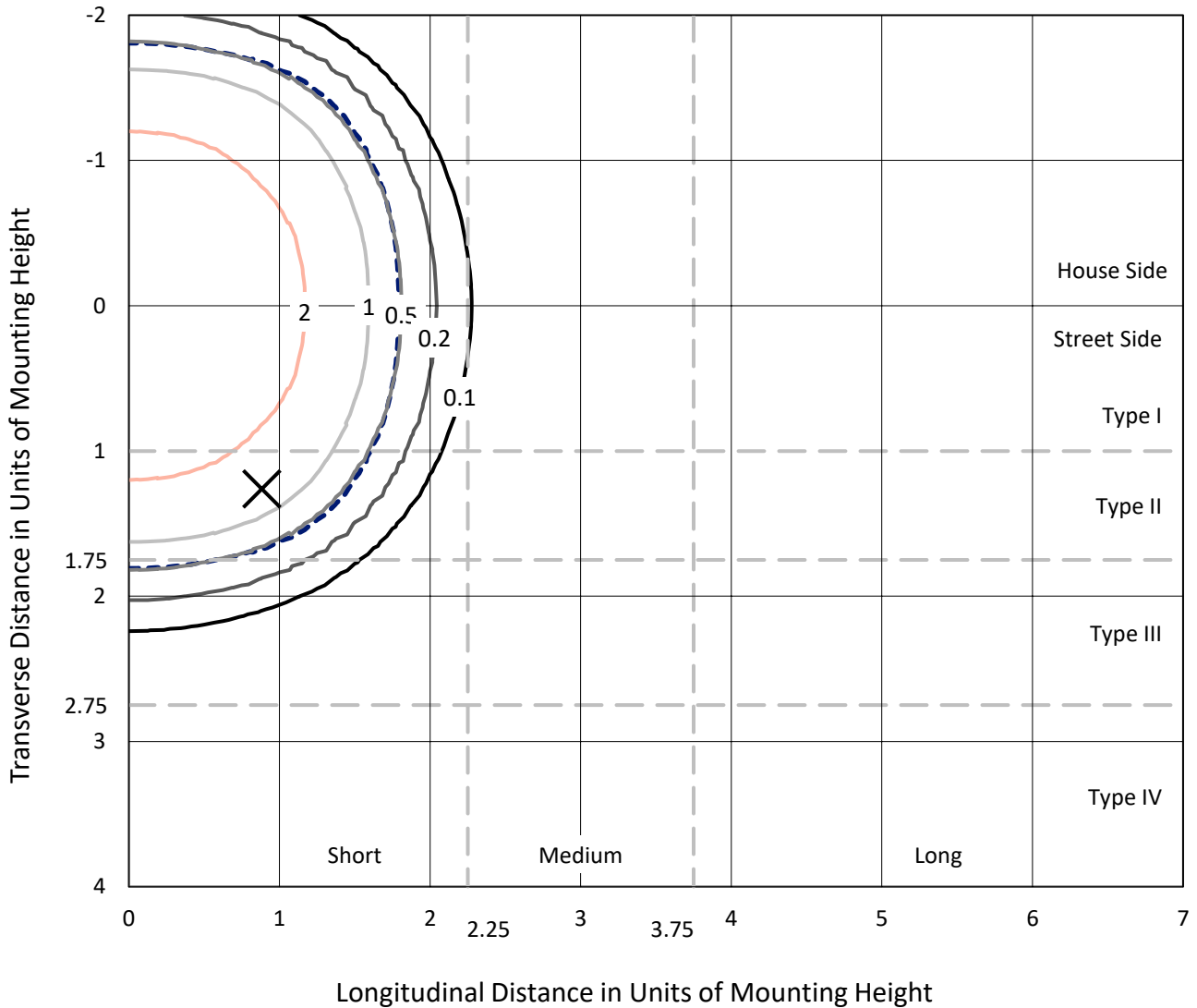
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528222
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Iso-Footcandle Lines of Horizontal Illumination

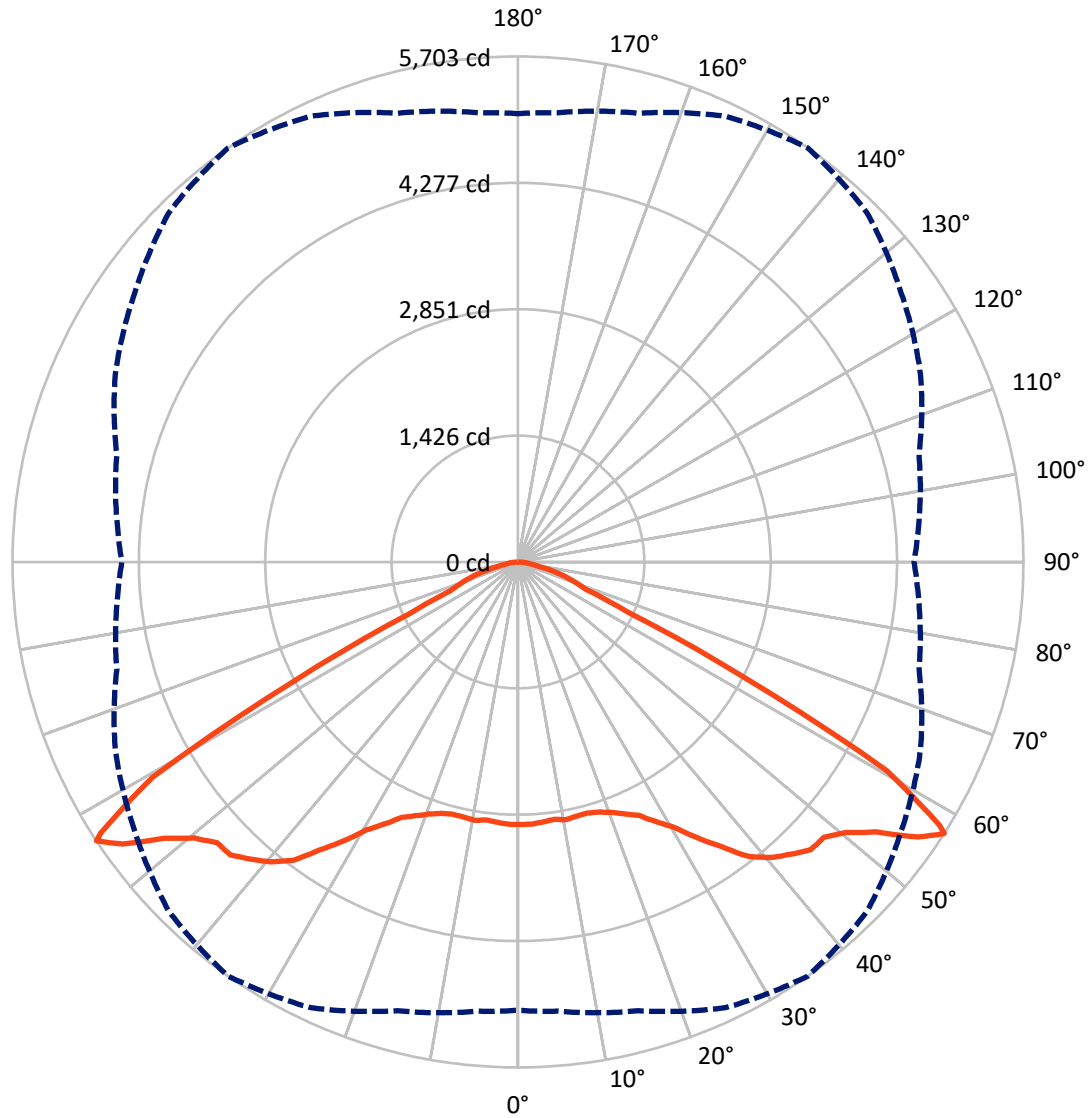
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

REPORT NUMBER: P528222
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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7497.0	0.0	7497.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7497.0	0.0	7497.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14994.0	0.0	14994.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.7	1.9
10°-20°	831.5	5.5
20°-30°	1452.1	9.7
30°-40°	2379.3	15.9
40°-50°	3488.7	23.3
50°-60°	4394.3	29.3
60°-70°	1652.6	11.0
70°-80°	439.4	2.9
80°-90°	75.3	0.5
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°	14994.0	100.0
0°-180°	14994.0	100.0

Coefficient of Utilization



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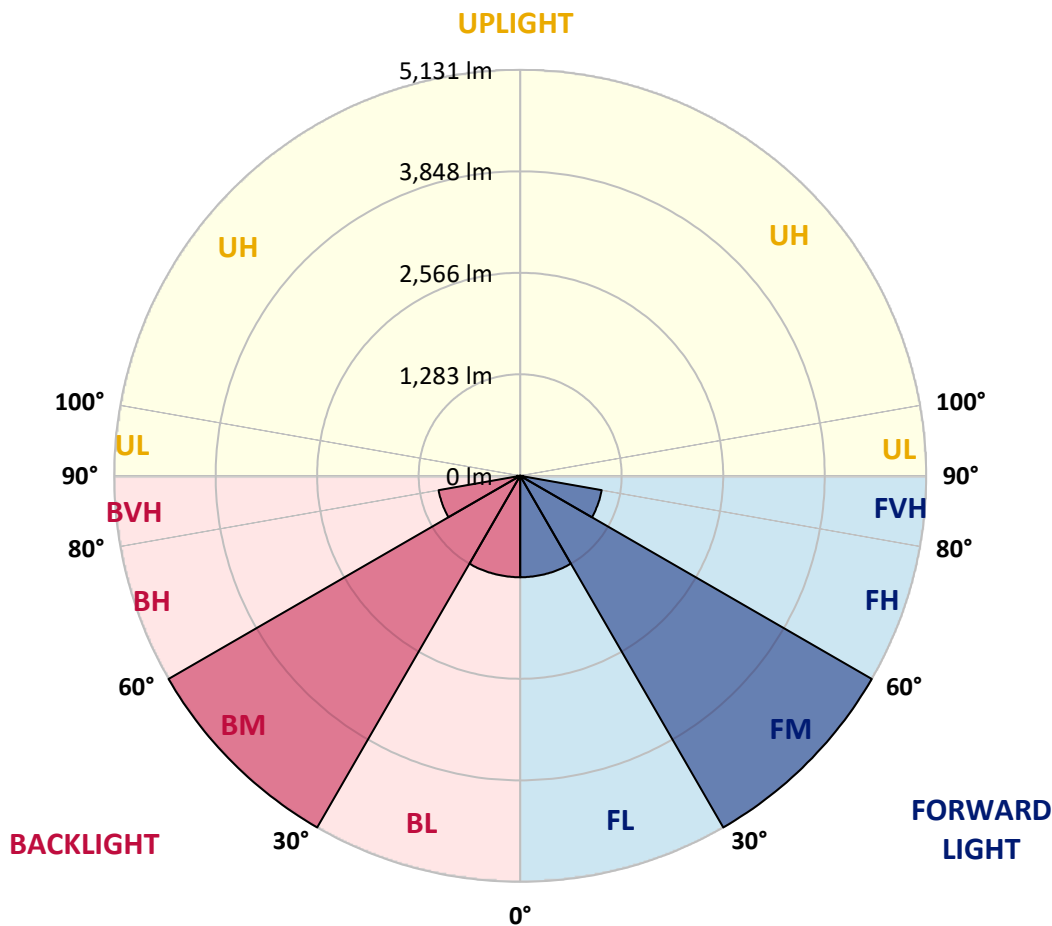
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1282.2	8.6			
FM (30°-60°)	5131.1	34.2			
FH (60°-80°)	1046.0	7.0			G1/1800
FVH (80°-90°)	37.7	0.3			G1/100
BL (0°-30°)	1282.2	8.6	B3/2500		
BM (30°-60°)	5131.1	34.2	B4/8500		
BH (60°-80°)	1046.0	7.0	B3/2500		G1/1800
BVH (80°-90°)	37.7	0.3			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°	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2
2.5°	2946.4	2976.0	2963.1	2955.7	2961.2	2952.0	2937.2	2953.8	2950.1	2935.3	2929.8
5°	2939.0	2961.2	2946.4	2961.2	2946.4	2972.3	2964.9	2937.2	2970.4	2939.0	2950.1
7.5°	2933.5	2940.9	2944.6	2937.2	2931.6	2963.1	2946.4	2933.5	2915.0	2909.5	2918.7
10°	2920.6	2939.0	2911.3	2948.3	2955.7	2933.5	2933.5	2909.5	2894.7	2885.5	2916.9
12.5°	2953.8	2922.4	2918.7	2937.2	2942.7	2952.0	2926.1	2913.2	2885.5	2889.2	2883.6
15°	2915.0	2928.0	2929.8	2933.5	2939.0	2961.2	2937.2	2909.5	2898.4	2859.6	2863.3
17.5°	2929.8	2916.9	2929.8	2972.3	2964.9	2981.5	2955.7	2913.2	2887.3	2865.1	2894.7
20°	2955.7	2950.1	2955.7	3007.4	3016.6	3031.4	3009.2	2970.4	2920.6	2894.7	2909.5
22.5°	2983.4	2979.7	2983.4	3033.2	3086.8	3105.3	3083.1	2992.6	2966.7	2918.7	2902.1
25°	3033.2	3036.9	3075.7	3131.2	3166.3	3201.4	3160.7	3096.1	3012.9	2983.4	2948.3
27.5°	3144.1	3153.3	3175.5	3256.8	3317.7	3349.1	3291.9	3203.2	3151.5	3090.5	3081.3
30°	3280.8	3280.8	3319.6	3389.8	3472.9	3520.9	3450.7	3345.4	3282.6	3249.4	3229.1
32.5°	3461.8	3441.5	3456.3	3580.0	3709.4	3750.0	3655.8	3526.5	3426.7	3382.4	3367.6
35°	3617.0	3629.9	3663.2	3796.2	3940.3	4034.5	3886.7	3718.6	3617.0	3576.4	3569.0
37.5°	3818.3	3840.5	3857.1	4040.0	4213.7	4248.8	4106.5	3971.7	3847.9	3814.7	3796.2
40°	4102.8	4088.1	4093.6	4228.4	4385.5	4407.6	4267.2	4171.2	4069.6	4049.3	4049.3
42.5°	4337.4	4320.8	4339.3	4389.2	4509.2	4492.6	4415.0	4344.8	4302.3	4280.2	4302.3
45°	4479.7	4476.0	4509.2	4546.2	4631.2	4575.7	4514.8	4525.9	4485.2	4448.3	4446.4
47.5°	4634.8	4610.8	4651.5	4706.9	4642.2	4616.4	4612.7	4636.7	4623.8	4559.1	4538.8
50°	4710.6	4701.4	4766.0	4830.7	4795.6	4736.4	4749.4	4788.2	4621.9	4535.1	4485.2
52.5°	4913.8	4915.6	5039.4	5074.5	5059.7	4972.9	5000.6	4895.3	4699.5	4577.6	4583.1
55°	5233.4	5220.4	5359.0	5462.4	5479.1	5368.2	5235.2	5087.4	4841.7	4718.0	4681.0
57°	5057.9	5087.4	5240.8	5547.4	5702.6	5571.4	5281.4	5011.7	4684.7	4535.1	4468.6
57.5°	4823.3	4871.3	5137.3	5445.8	5608.4	5597.3	5224.1	4871.3	4579.4	4346.7	4352.2
60°	3533.9	3543.1	3783.2	4272.8	4780.8	4791.9	4337.4	3870.1	3544.9	3291.9	3327.0
62.5°	1863.9	1906.4	2002.5	2395.9	2835.6	2942.7	2667.5	2427.3	2146.6	1954.4	1972.9
65°	986.5	980.9	1027.1	1137.9	1354.1	1409.5	1372.5	1182.3	1084.4	1053.0	1054.8
67.5°	801.7	811.0	805.4	811.0	825.7	849.8	844.2	851.6	857.1	866.4	864.5
70°	679.8	679.8	683.5	685.3	685.3	696.4	709.4	733.4	735.2	744.5	748.2
72.5°	535.7	532.0	537.6	550.5	552.3	561.6	580.0	594.8	600.4	600.4	589.3
75°	363.9	367.6	375.0	386.1	397.2	413.8	428.6	437.8	441.5	436.0	430.4
77.5°	205.0	208.7	214.3	230.9	243.8	258.6	275.2	284.5	293.7	295.6	284.5
80°	121.9	121.9	131.2	144.1	158.9	173.6	188.4	199.5	203.2	203.2	197.7
82.5°	73.9	75.7	83.1	96.1	109.0	118.2	131.2	140.4	147.8	145.9	142.2
85°	38.8	38.8	46.2	57.3	66.5	75.7	75.7	70.2	66.5	57.3	53.6
87.5°	12.9	11.1	14.8	14.8	12.9	14.8	14.8	16.6	16.6	16.6	16.6
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)