

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: P455004

Luminaire Tested: **GALN-SA6A-830-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6A-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22601 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

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

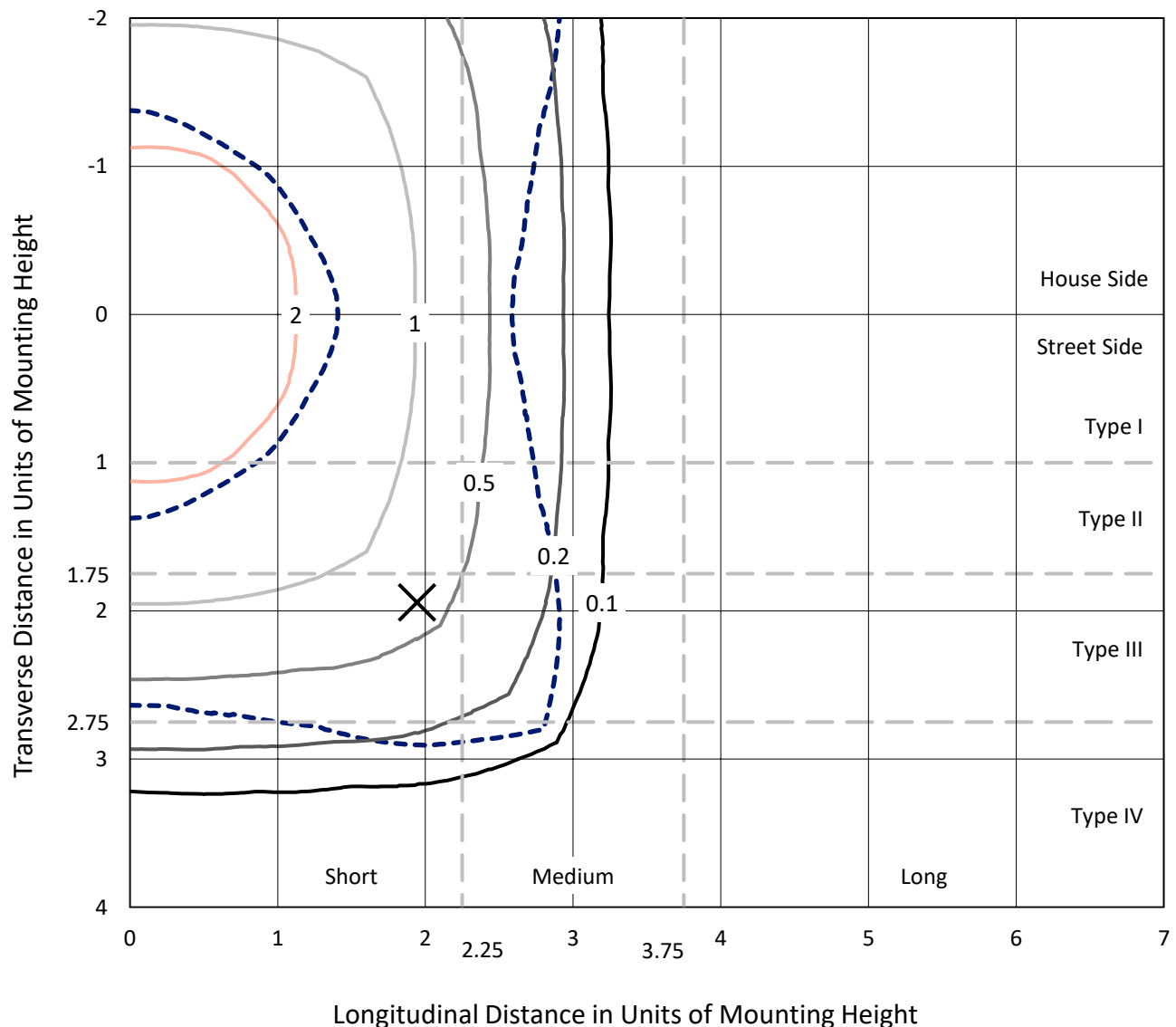


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



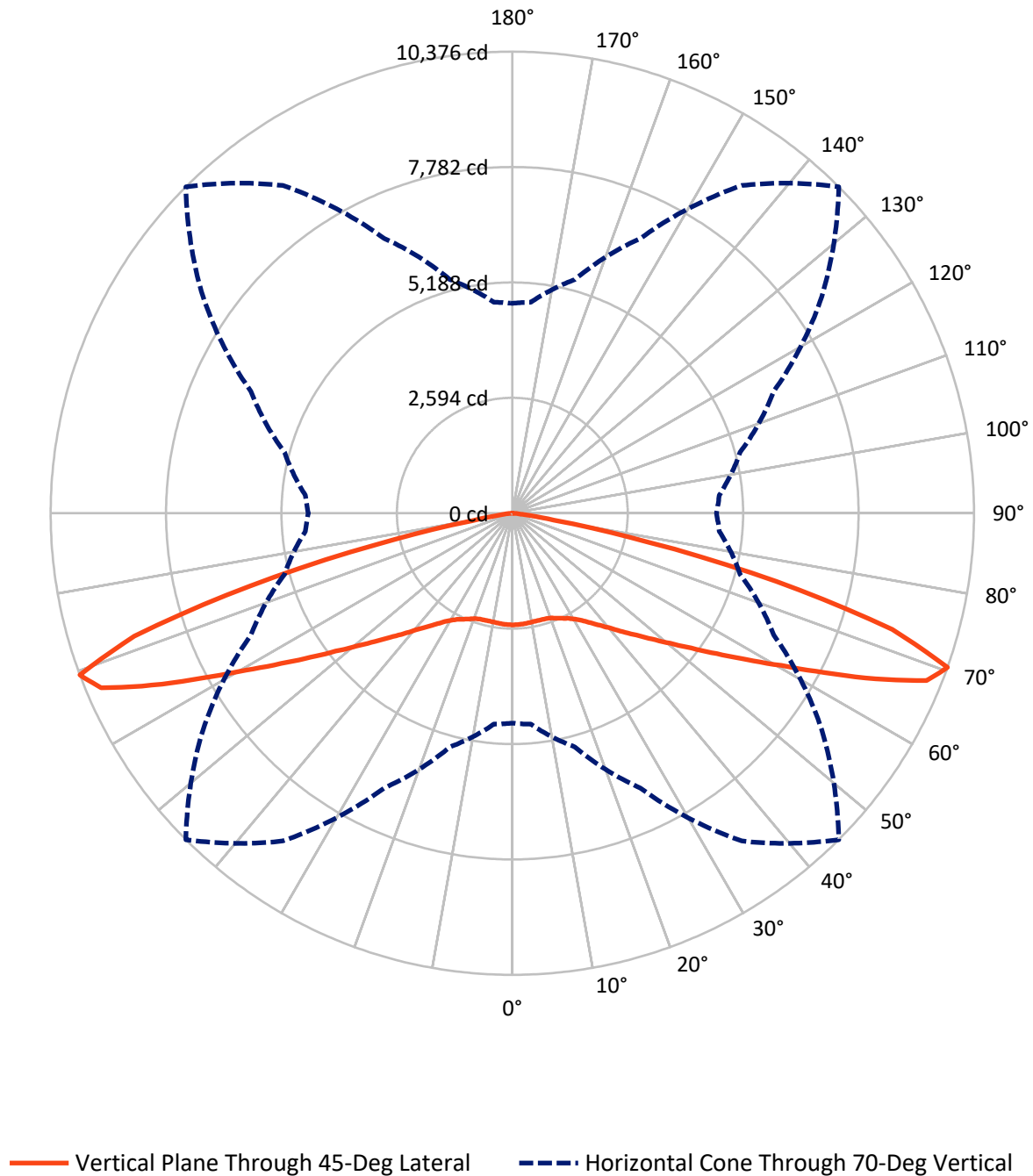
Based on 25 foot mounting height. Maximum calculated value = 4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11300.5	0.0	11300.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11300.5	0.0	11300.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22601.0	0.0	22601.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.0	1.1
10°-20°	698.4	3.1
20°-30°	1194.4	5.3
30°-40°	1895.8	8.4
40°-50°	3058.5	13.5
50°-60°	4976.2	22.0
60°-70°	7213.7	31.9
70°-80°	3199.7	14.2
80°-90°	126.2	0.6
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°	22601.0	100.0
0°-180°	22601.0	100.0

Coefficient of Utilization



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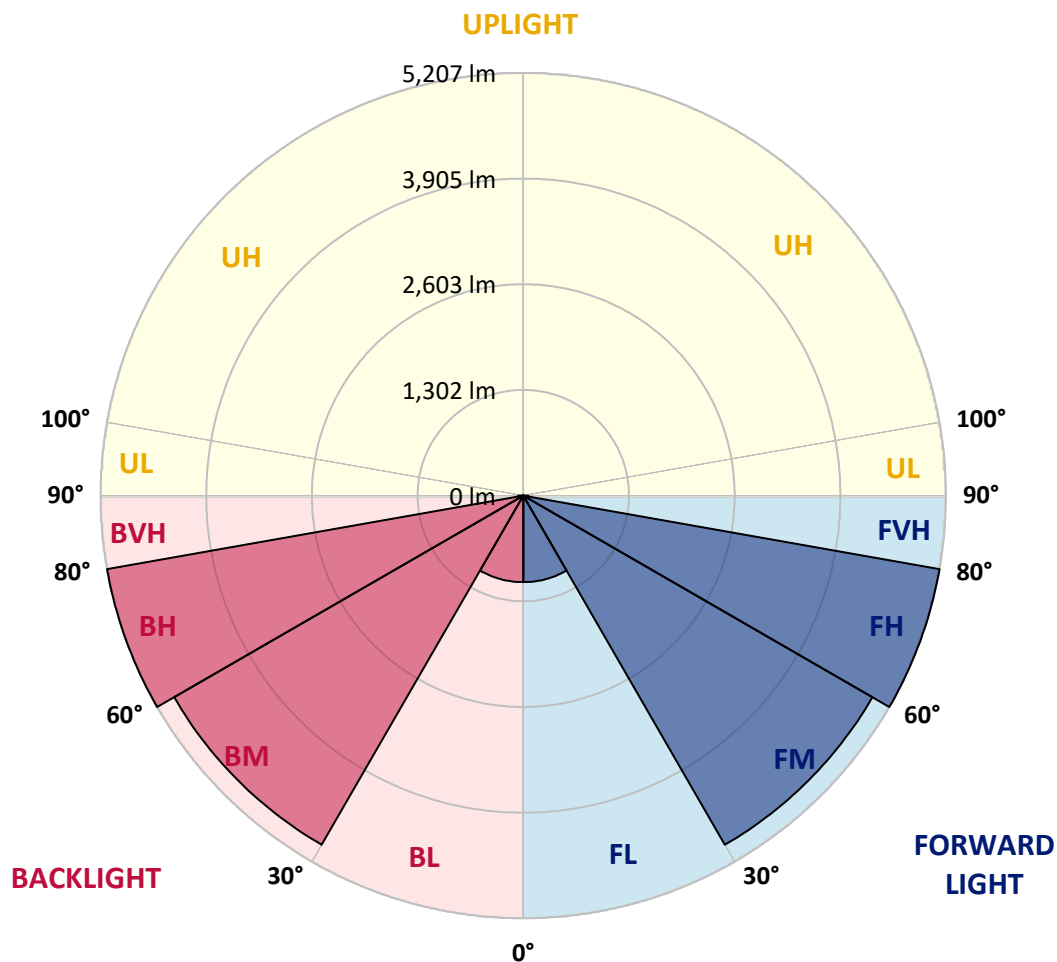
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1065.4	4.7			
FM	(30°-60°)	4965.3	22.0			
FH	(60°-80°)	5206.7	23.0			G3/7500
FVH	(80°-90°)	63.1	0.3			G1/100
BL	(0°-30°)	1065.4	4.7	B3/2500		
BM	(30°-60°)	4965.3	22.0	B3/5000		
BH	(60°-80°)	5206.7	23.0	B5		G3/7500
BVH	(80°-90°)	63.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7	2509.7
2.5°	2509.7	2512.1	2508.5	2506.2	2505.0	2505.0	2503.8	2505.0	2512.1	2513.3	2509.7
5°	2502.6	2505.0	2503.8	2501.4	2500.2	2500.2	2499.0	2497.8	2503.8	2506.2	2505.0
7.5°	2493.1	2494.2	2493.1	2491.9	2493.1	2491.9	2488.3	2485.9	2490.7	2490.7	2489.5
10°	2476.4	2478.8	2477.6	2478.8	2481.1	2481.1	2476.4	2471.6	2472.8	2470.4	2470.4
12.5°	2456.1	2459.7	2460.9	2465.7	2471.6	2478.8	2468.0	2457.3	2454.9	2453.8	2452.6
15°	2443.0	2446.6	2451.4	2456.1	2466.9	2482.3	2466.9	2450.2	2445.4	2440.6	2438.3
17.5°	2439.5	2444.2	2451.4	2458.5	2472.8	2488.3	2475.2	2458.5	2446.6	2439.5	2437.1
20°	2449.0	2452.6	2463.3	2476.4	2496.6	2512.1	2499.0	2481.1	2463.3	2452.6	2449.0
22.5°	2468.0	2474.0	2487.1	2510.9	2539.5	2562.1	2544.3	2514.5	2485.9	2471.6	2466.9
25°	2509.7	2514.5	2530.0	2562.1	2595.5	2616.9	2597.9	2563.3	2524.0	2505.0	2499.0
27.5°	2572.9	2580.0	2596.7	2634.8	2662.2	2674.1	2661.0	2637.2	2608.6	2588.3	2583.6
30°	2662.2	2670.5	2695.6	2736.1	2753.9	2761.1	2755.1	2739.6	2719.4	2697.9	2693.2
32.5°	2782.5	2787.3	2815.9	2854.0	2870.7	2873.0	2865.9	2858.7	2825.4	2789.7	2787.3
35°	2917.1	2925.4	2960.0	3005.2	3020.7	3021.9	3007.6	2996.9	2957.6	2929.0	2929.0
37.5°	3095.8	3099.3	3132.7	3183.9	3200.6	3195.8	3188.7	3179.2	3137.5	3100.5	3101.7
40°	3305.4	3312.6	3341.2	3400.7	3400.7	3394.8	3399.5	3392.4	3350.7	3314.9	3316.1
42.5°	3554.4	3557.9	3592.5	3655.6	3650.8	3638.9	3643.7	3634.2	3608.0	3567.5	3553.2
45°	3820.0	3834.3	3893.8	3954.6	3945.1	3906.9	3926.0	3923.6	3899.8	3839.0	3842.6
47.5°	4140.4	4164.2	4221.4	4294.1	4283.3	4223.8	4245.2	4259.5	4226.2	4159.5	4147.6
50°	4501.3	4516.8	4601.4	4669.3	4659.7	4596.6	4645.5	4647.8	4564.5	4470.4	4470.4
52.5°	4886.1	4901.5	5015.9	5121.9	5127.9	5036.1	5075.5	5073.1	4937.3	4813.4	4789.6
55°	5317.3	5324.4	5472.1	5628.1	5661.5	5572.2	5576.9	5529.3	5353.0	5208.9	5195.8
57.5°	5762.7	5788.9	5952.1	6154.6	6253.5	6198.7	6173.7	6046.2	5875.9	5710.3	5702.0
60°	6255.9	6257.1	6469.1	6708.5	6908.6	6945.5	6843.1	6672.8	6452.4	6233.2	6223.7
62.5°	6597.7	6649.0	6917.0	7321.9	7680.5	7887.7	7617.3	7260.0	6826.4	6472.7	6436.9
65°	6668.0	6702.6	7111.1	7797.2	8529.8	8976.4	8351.1	7591.1	6851.4	6379.8	6355.9
67.5°	6099.8	6136.8	6687.1	7740.0	9125.3	10041.3	8827.5	7431.5	6427.4	5843.7	5797.3
70°	4718.1	4759.8	5439.9	6813.3	8993.1	10376.0	8488.1	6482.2	5300.6	4670.5	4585.9
72.5°	2508.5	2662.2	3243.5	4676.4	7299.3	8933.6	6959.8	4730.0	3418.6	2794.4	2682.5
75°	916.0	935.0	1259.0	2073.8	4246.4	6126.0	4409.6	2256.0	1297.2	1001.7	950.5
77.5°	378.8	377.6	414.5	626.5	1542.5	3137.5	1721.2	662.3	413.3	382.4	377.6
80°	223.9	223.9	246.6	260.9	406.2	947.0	453.8	295.4	247.8	226.3	229.9
82.5°	100.1	106.0	156.0	164.4	196.5	259.7	219.2	188.2	162.0	112.0	101.2
85°	54.8	47.6	82.2	85.8	94.1	96.5	103.6	102.4	94.1	54.8	56.0
87.5°	10.7	13.1	23.8	17.9	20.2	17.9	23.8	33.4	34.5	19.1	15.5
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)