

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: P455238

Luminaire Tested: **GALN-SA6B-830-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6B-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28063 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 243
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

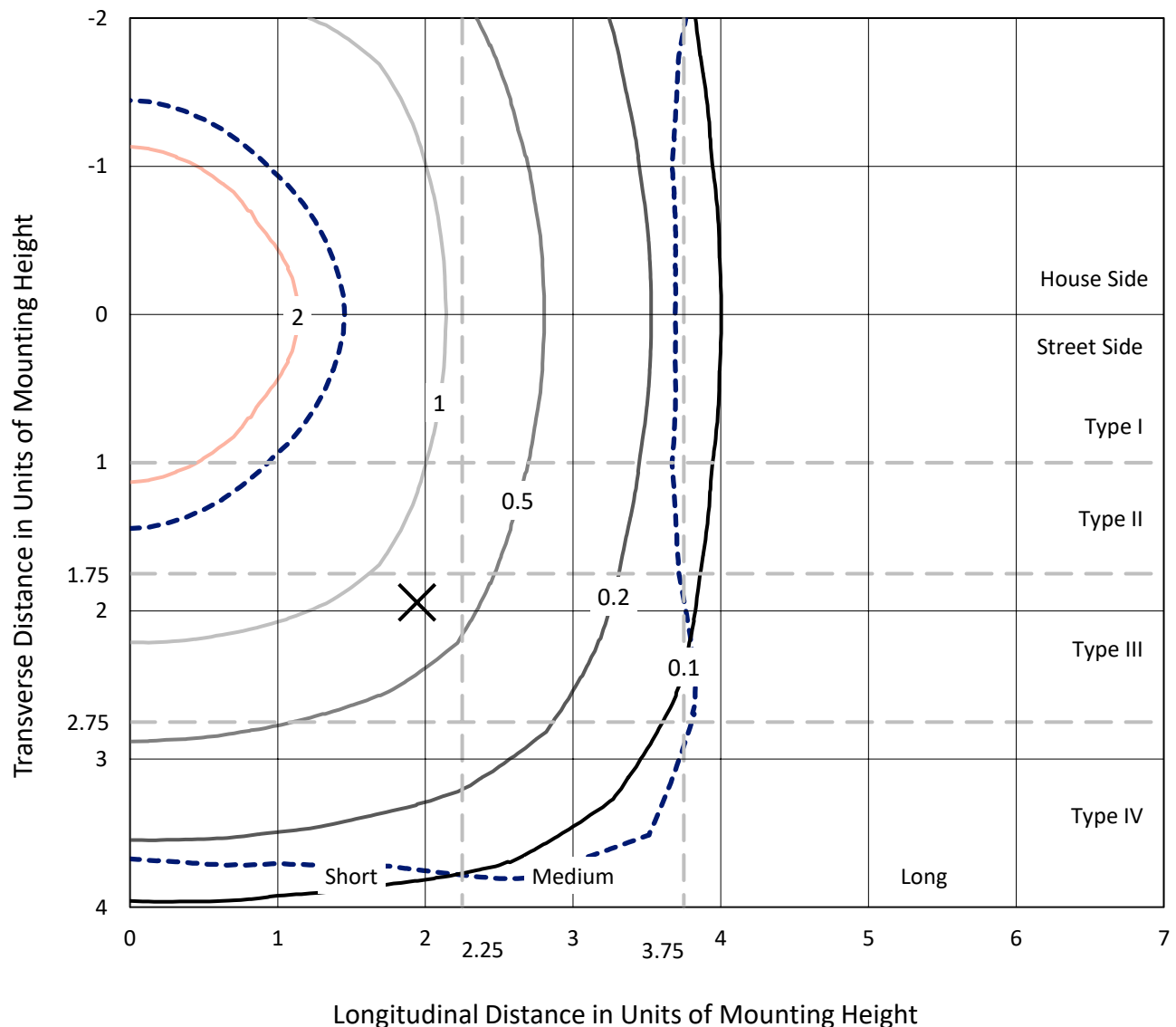


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

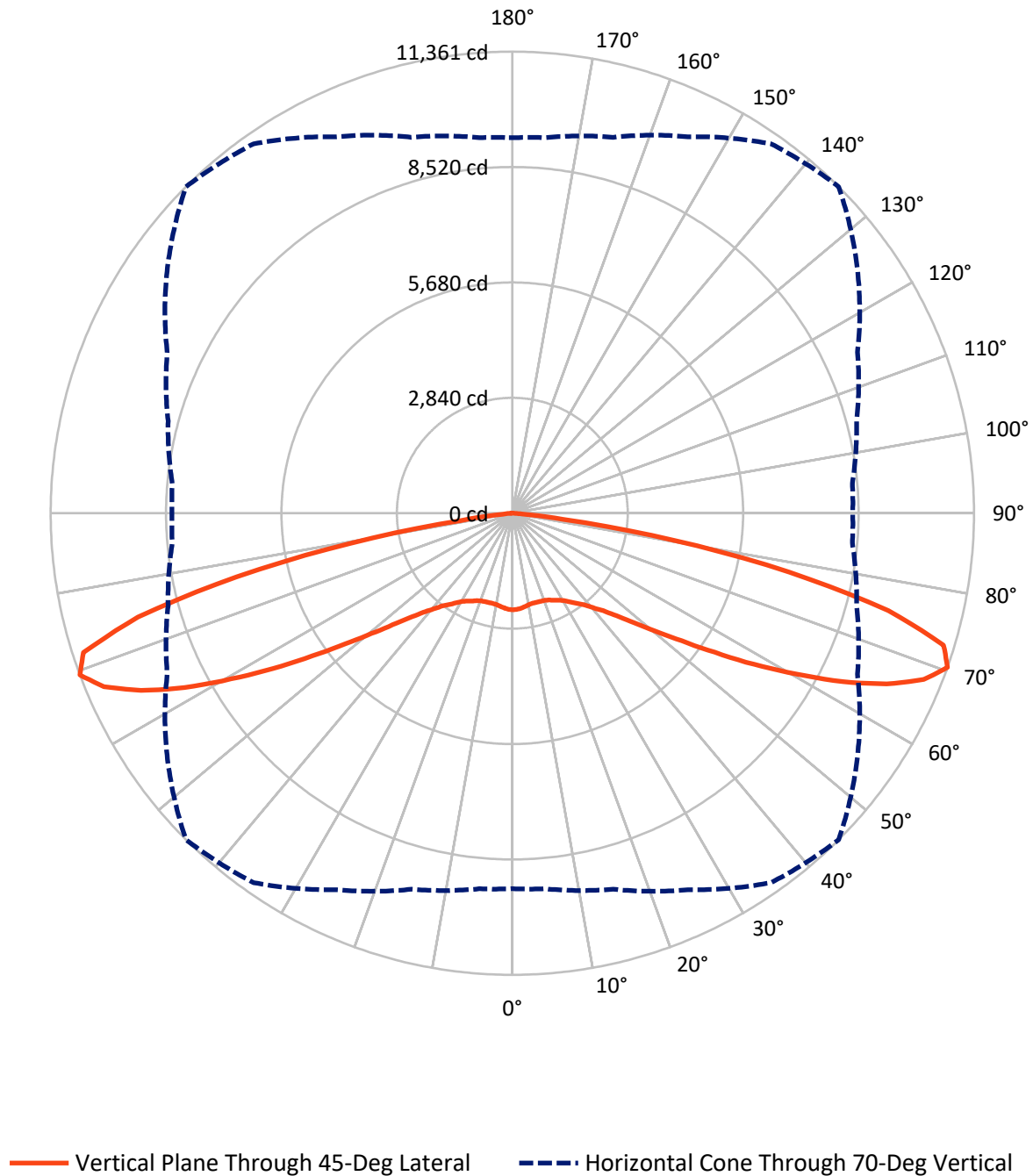


Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14031.5	0.0	14031.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14031.5	0.0	14031.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28063.0	0.0	28063.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.2	0.8
10°-20°	650.5	2.3
20°-30°	1108.3	3.9
30°-40°	1717.8	6.1
40°-50°	2891.3	10.3
50°-60°	5260.5	18.7
60°-70°	8905.9	31.7
70°-80°	6893.5	24.6
80°-90°	413.1	1.5
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°	28063.0	100.0
0°-180°	28063.0	100.0

Coefficient of Utilization



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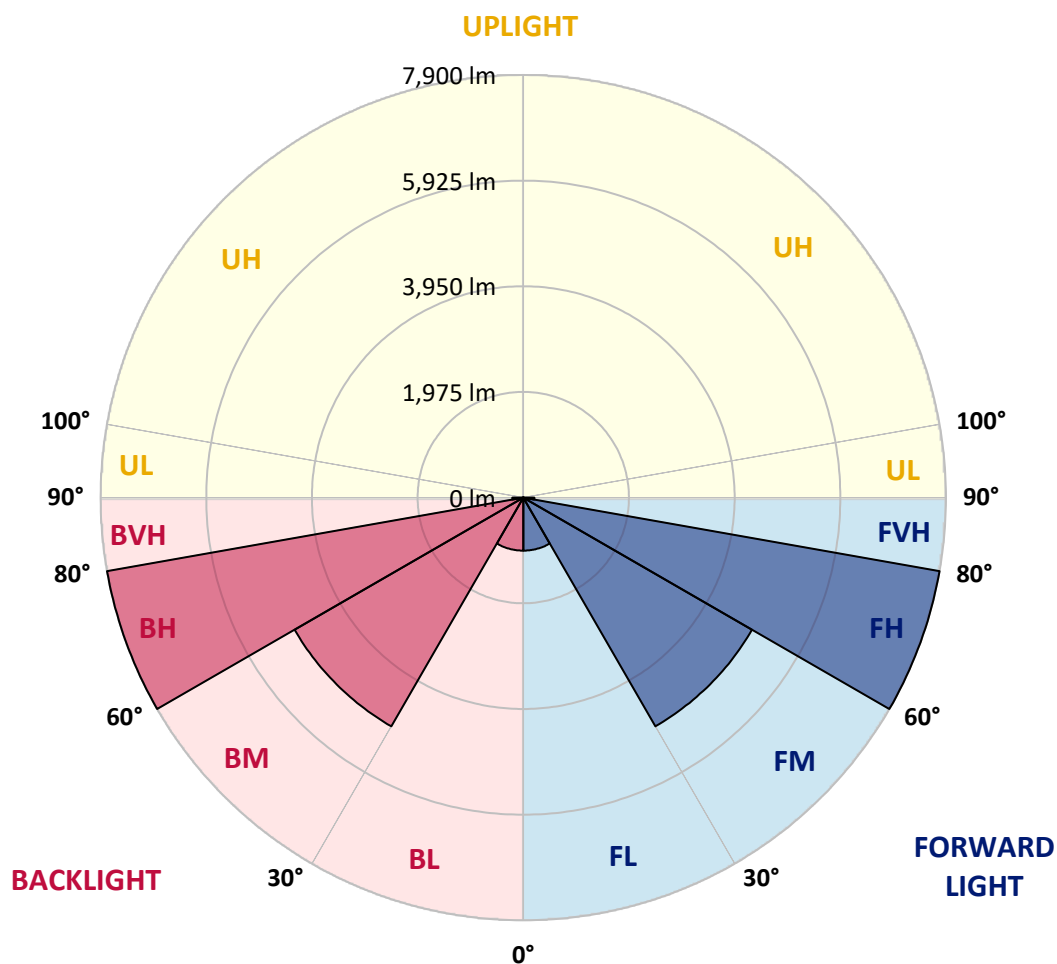
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	990.5	3.5			
FM	(30°-60°)	4934.8	17.6			
FH	(60°-80°)	7899.7	28.1			G4/12000
FVH	(80°-90°)	206.5	0.7			G2/225
BL	(0°-30°)	990.5	3.5	B2/1000		
BM	(30°-60°)	4934.8	17.6	B3/5000		
BH	(60°-80°)	7899.7	28.1	B5		G4/12000
BVH	(80°-90°)	206.5	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2375.9	2375.9	2375.9	2375.9	2375.9	2375.9	2375.9	2375.9	2375.9	2375.9	2375.9
2.5°	2369.9	2371.4	2371.4	2368.5	2367.0	2367.0	2365.5	2365.5	2369.9	2371.4	2372.9
5°	2349.2	2349.2	2349.2	2347.7	2344.8	2344.8	2341.8	2341.8	2343.3	2347.7	2344.8
7.5°	2321.0	2324.0	2324.0	2318.1	2313.6	2313.6	2312.1	2313.6	2315.1	2319.6	2318.1
10°	2312.1	2313.6	2306.2	2295.8	2288.4	2284.0	2285.5	2288.4	2295.8	2298.8	2300.3
12.5°	2318.1	2318.1	2304.7	2289.9	2276.6	2270.6	2269.2	2279.5	2292.9	2301.8	2304.7
15°	2325.5	2322.5	2306.2	2286.9	2273.6	2272.1	2270.6	2278.1	2297.3	2315.1	2316.6
17.5°	2329.9	2328.4	2307.7	2284.0	2276.6	2276.6	2275.1	2281.0	2301.8	2324.0	2325.5
20°	2344.8	2340.3	2316.6	2291.4	2285.5	2288.4	2284.0	2291.4	2313.6	2340.3	2346.2
22.5°	2374.4	2369.9	2346.2	2321.0	2318.1	2318.1	2316.6	2324.0	2347.7	2375.9	2380.3
25°	2410.0	2405.5	2383.3	2365.5	2368.5	2374.4	2371.4	2372.9	2392.2	2415.9	2423.3
27.5°	2457.4	2450.0	2430.7	2415.9	2424.8	2424.8	2424.8	2423.3	2435.2	2457.4	2464.8
30°	2515.2	2512.2	2491.5	2490.0	2497.4	2490.0	2490.0	2491.5	2493.0	2513.7	2521.1
32.5°	2590.8	2584.9	2574.5	2571.5	2592.3	2598.2	2577.4	2558.2	2568.6	2589.3	2593.8
35°	2715.3	2706.4	2691.6	2675.3	2691.6	2719.7	2675.3	2660.4	2687.1	2715.3	2718.3
37.5°	2884.3	2879.8	2856.1	2826.4	2825.0	2854.6	2808.7	2807.2	2857.6	2891.7	2896.1
40°	3096.2	3100.6	3071.0	3042.8	3028.0	3051.7	3016.2	3029.5	3078.4	3116.9	3114.0
42.5°	3394.1	3377.8	3331.9	3305.2	3288.9	3280.0	3271.1	3291.8	3346.7	3388.2	3420.8
45°	3742.4	3736.5	3678.7	3646.1	3610.5	3597.2	3594.2	3631.3	3697.9	3748.3	3752.8
47.5°	4136.7	4123.3	4086.3	4052.2	4038.8	4022.5	4007.7	4035.9	4102.6	4138.1	4148.5
50°	4542.8	4545.7	4545.7	4539.8	4553.1	4556.1	4516.1	4526.5	4563.5	4560.6	4557.6
52.5°	5006.7	5023.0	5100.1	5107.5	5171.2	5214.2	5141.6	5098.6	5085.2	5005.2	5011.1
55°	5552.1	5566.9	5682.5	5798.1	5970.1	6042.7	5890.0	5756.6	5661.8	5540.3	5546.2
57.5°	6232.4	6239.8	6349.5	6571.8	6844.5	7015.0	6746.7	6482.9	6290.2	6174.6	6128.7
60°	6964.6	6972.0	7132.1	7403.3	7827.2	8034.7	7702.7	7271.4	7028.3	6852.0	6863.8
62.5°	7843.5	7873.1	8016.9	8390.4	8904.7	9137.4	8697.2	8120.7	7791.6	7572.3	7581.2
65°	8784.7	8835.1	8992.2	9402.7	9877.0	10127.5	9588.0	8922.5	8513.4	8245.2	8273.3
67.5°	9395.3	9439.8	9666.5	10120.1	10711.5	10919.0	10222.3	9447.2	8935.8	8615.7	8556.4
70°	9239.7	9276.7	9579.1	10222.3	11098.3	11360.6	10373.5	9370.1	8768.4	8399.3	8375.6
72.5°	8156.2	8079.2	8520.8	9444.2	10656.6	11096.8	9897.8	8557.9	7800.5	7421.1	7376.6
75°	5405.4	5572.9	6225.0	7312.9	9015.9	9561.3	8448.2	6871.2	5918.2	5602.5	5553.6
77.5°	1806.7	1935.7	2515.2	4145.6	6146.5	6966.1	6155.3	4493.9	3179.2	2561.1	2573.0
80°	478.7	472.8	612.1	1139.8	2656.0	4034.4	3091.8	1522.2	833.0	603.2	572.1
82.5°	171.9	192.7	247.5	315.7	704.0	1253.9	884.8	426.9	312.7	231.2	223.8
85°	75.6	74.1	106.7	126.0	176.4	234.2	207.5	180.8	158.6	105.2	97.8
87.5°	16.3	16.3	25.2	19.3	31.1	31.1	38.5	45.9	47.4	31.1	25.2
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)