

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: P528330

Luminaire Tested: **GALN-SA3B-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11451 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - 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

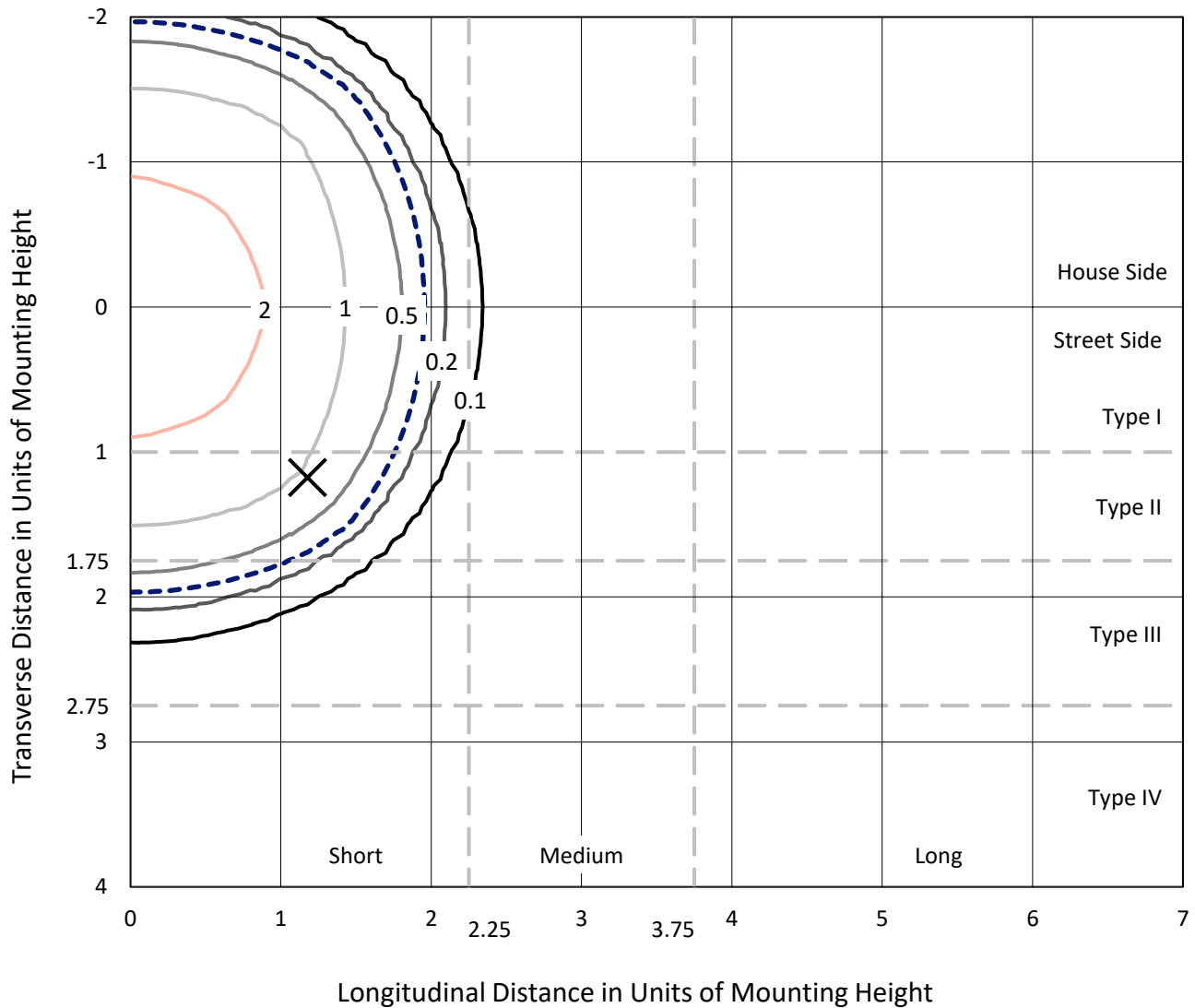


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

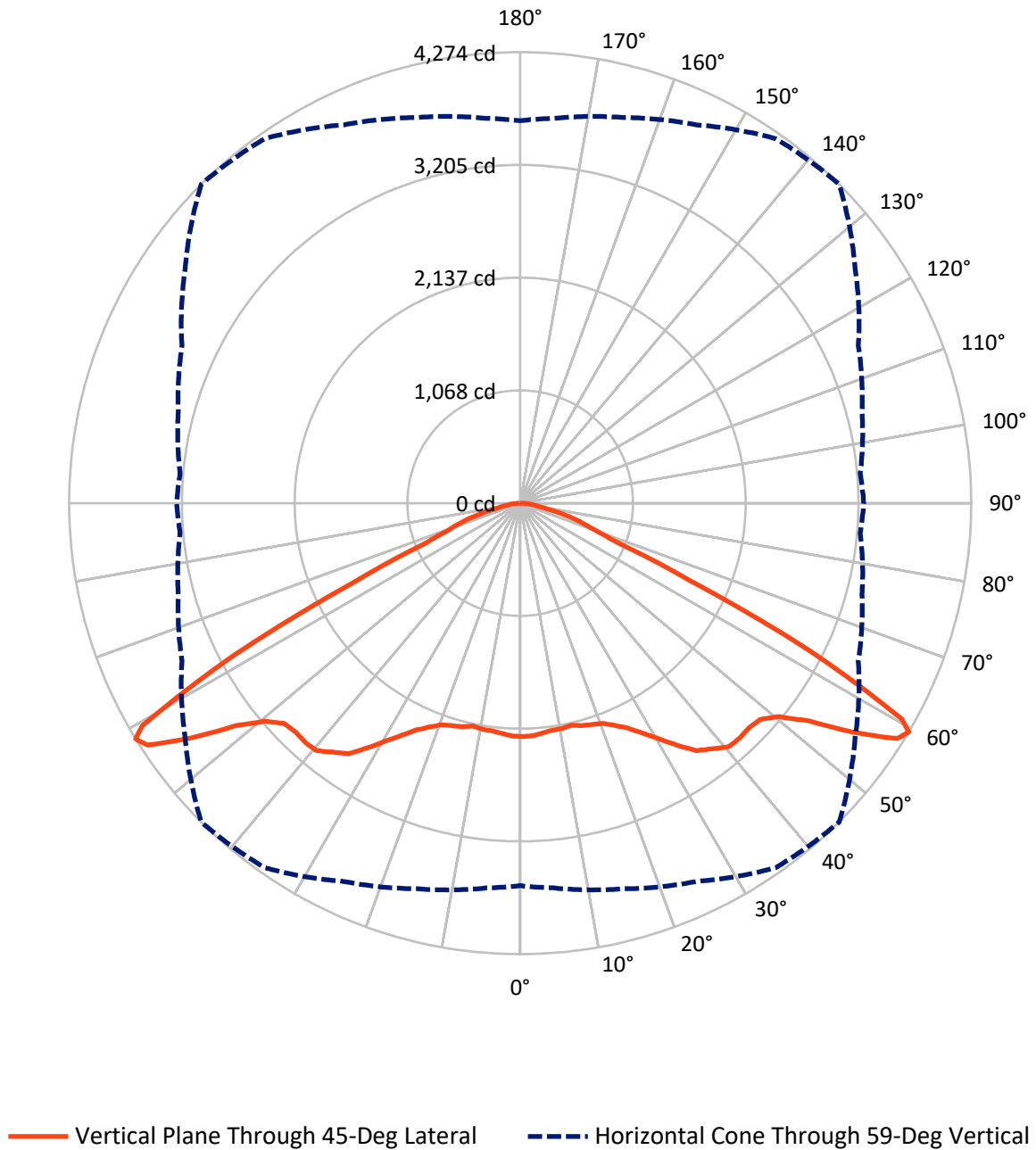


Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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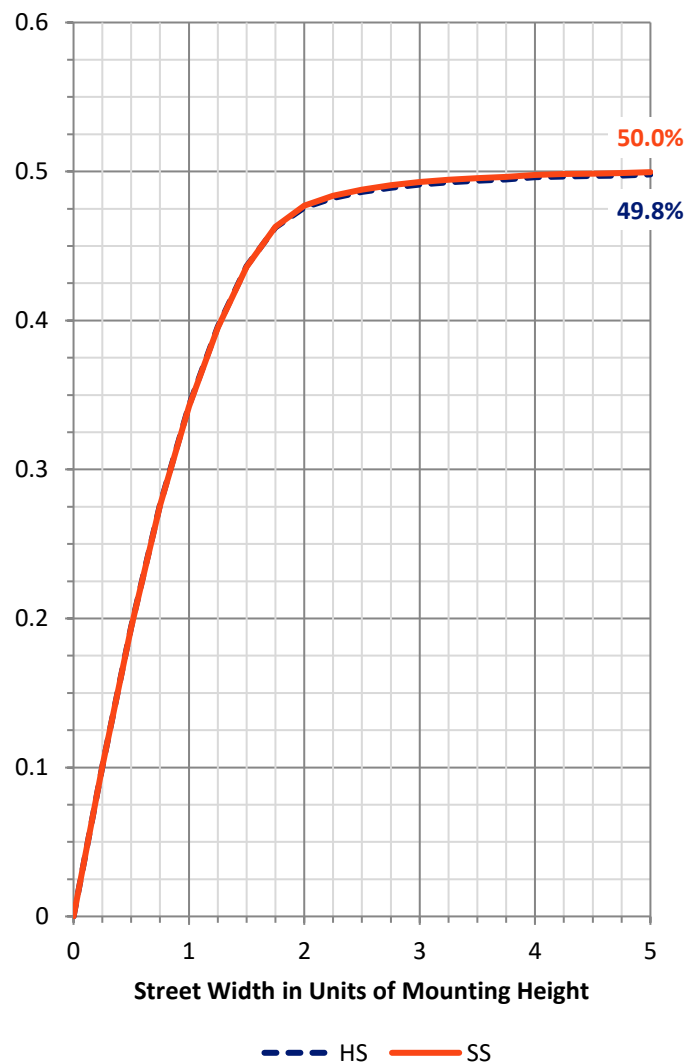
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5725.5	0.0	5725.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5725.5	0.0	5725.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11451.0	0.0	11451.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.5	1.8
10°-20°	620.0	5.4
20°-30°	1082.7	9.5
30°-40°	1729.2	15.1
40°-50°	2355.5	20.6
50°-60°	3185.2	27.8
60°-70°	1746.8	15.3
70°-80°	446.9	3.9
80°-90°	76.2	0.7
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°	11451.0	100.0
0°-180°	11451.0	100.0

Coefficient of Utilization



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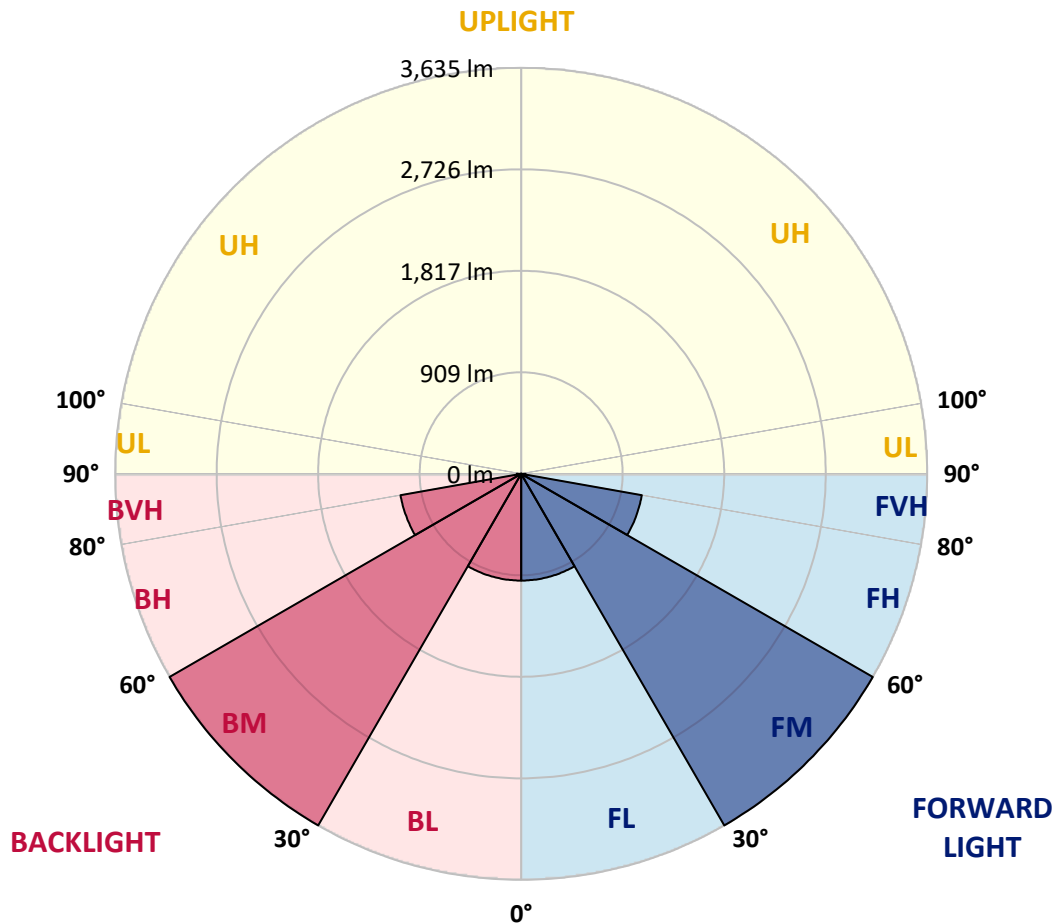
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	955.6	8.3			
FM	(30°-60°)	3635.0	31.7			
FH	(60°-80°)	1096.8	9.6			G1/1800
FVH	(80°-90°)	38.1	0.3			G1/100
BL	(0°-30°)	955.6	8.3	B2/1000		
BM	(30°-60°)	3635.0	31.7	B3/5000		
BH	(60°-80°)	1096.8	9.6	B3/2500		G1/1800
BVH	(80°-90°)	38.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8
2.5°	2198.6	2214.7	2203.0	2213.3	2211.8	2207.4	2200.0	2195.6	2189.8	2198.6	2183.9
5°	2189.8	2203.0	2216.2	2198.6	2198.6	2189.8	2185.4	2176.6	2176.6	2175.1	2173.6
7.5°	2204.4	2191.2	2185.4	2188.3	2191.2	2172.2	2185.4	2167.8	2153.1	2163.4	2175.1
10°	2191.2	2197.1	2175.1	2185.4	2169.2	2172.2	2163.4	2175.1	2158.9	2158.9	2158.9
12.5°	2204.4	2188.3	2195.6	2188.3	2183.9	2158.9	2170.7	2157.5	2156.0	2170.7	2157.5
15°	2230.9	2204.4	2198.6	2183.9	2188.3	2188.3	2176.6	2178.0	2161.9	2170.7	2173.6
17.5°	2222.1	2207.4	2203.0	2185.4	2200.0	2204.4	2182.4	2167.8	2178.0	2176.6	2175.1
20°	2229.4	2235.3	2230.9	2233.8	2239.7	2227.9	2207.4	2186.8	2173.6	2192.7	2191.2
22.5°	2276.4	2270.5	2267.6	2264.6	2274.9	2286.6	2258.8	2226.5	2226.5	2239.7	2245.5
25°	2314.5	2313.1	2311.6	2324.8	2360.0	2360.0	2324.8	2283.7	2273.4	2282.2	2274.9
27.5°	2370.3	2386.4	2380.6	2404.1	2455.4	2467.2	2420.2	2371.8	2343.9	2333.6	2346.8
30°	2498.0	2478.9	2483.3	2508.3	2553.8	2591.9	2520.0	2468.6	2430.5	2429.0	2434.9
32.5°	2583.1	2597.8	2611.0	2634.5	2706.4	2735.7	2649.2	2565.5	2542.0	2528.8	2533.2
35°	2753.4	2740.1	2737.2	2760.7	2832.6	2881.0	2772.4	2699.1	2668.2	2697.6	2697.6
37.5°	2914.8	2878.1	2850.2	2881.0	2947.1	2953.0	2860.5	2820.9	2804.7	2838.5	2837.0
40°	2991.1	2988.2	2923.6	2941.2	3029.3	3038.1	2951.5	2904.5	2901.6	2945.6	2989.7
42.5°	3070.4	3042.5	2977.9	2989.7	3044.0	3046.9	2964.7	2951.5	2983.8	3026.3	3029.3
45°	3083.6	3060.1	3019.0	2989.7	3029.3	3038.1	2989.7	2998.5	3001.4	3052.8	3052.8
47.5°	3110.0	3107.1	3083.6	3061.6	3068.9	3061.6	3030.7	3044.0	3088.0	3112.9	3101.2
50°	3183.4	3152.6	3176.0	3157.0	3158.4	3179.0	3151.1	3164.3	3155.5	3133.5	3118.8
52.5°	3344.8	3330.2	3350.7	3363.9	3378.6	3425.6	3393.3	3322.8	3256.8	3198.1	3196.6
55°	3581.1	3591.4	3631.0	3698.5	3755.8	3830.6	3675.1	3506.3	3400.6	3308.1	3314.0
57.5°	3804.2	3796.9	3851.2	4005.3	4172.6	4210.8	3905.5	3664.8	3493.1	3434.4	3409.4
59°	3625.2	3660.4	3783.7	3955.4	4218.1	4273.9	3874.7	3535.6	3353.6	3234.8	3255.3
60°	3343.4	3356.6	3466.6	3705.9	4061.1	4156.5	3667.7	3336.0	3093.9	3024.9	3055.7
62.5°	2363.0	2352.7	2431.9	2627.1	2945.6	3074.8	2726.9	2493.6	2340.9	2264.6	2282.2
65°	1256.3	1303.3	1335.6	1457.4	1626.2	1762.7	1618.8	1517.6	1432.5	1369.3	1367.9
67.5°	848.3	842.4	849.8	877.7	934.9	973.1	970.1	918.8	911.4	899.7	912.9
70°	714.8	711.8	698.6	698.6	710.4	719.2	729.4	735.3	747.0	761.7	760.3
72.5°	579.7	572.4	563.6	559.2	573.9	578.3	591.5	597.3	607.6	606.1	619.4
75°	383.1	383.1	393.3	405.1	409.5	418.3	419.8	437.4	437.4	440.3	428.6
77.5°	214.3	208.4	215.7	227.5	237.8	253.9	270.1	283.3	290.6	287.7	287.7
80°	124.8	124.8	132.1	145.3	158.5	173.2	184.9	195.2	202.5	199.6	193.7
82.5°	77.8	77.8	85.1	98.3	108.6	117.4	133.6	146.8	155.6	152.6	145.3
85°	39.6	39.6	48.4	57.2	70.4	76.3	74.9	69.0	67.5	60.2	60.2
87.5°	10.3	10.3	14.7	16.1	13.2	14.7	14.7	14.7	14.7	14.7	16.1
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)