

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: P648332

Luminaire Tested: **GALN-SA3B-835-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-835-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13277.3 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

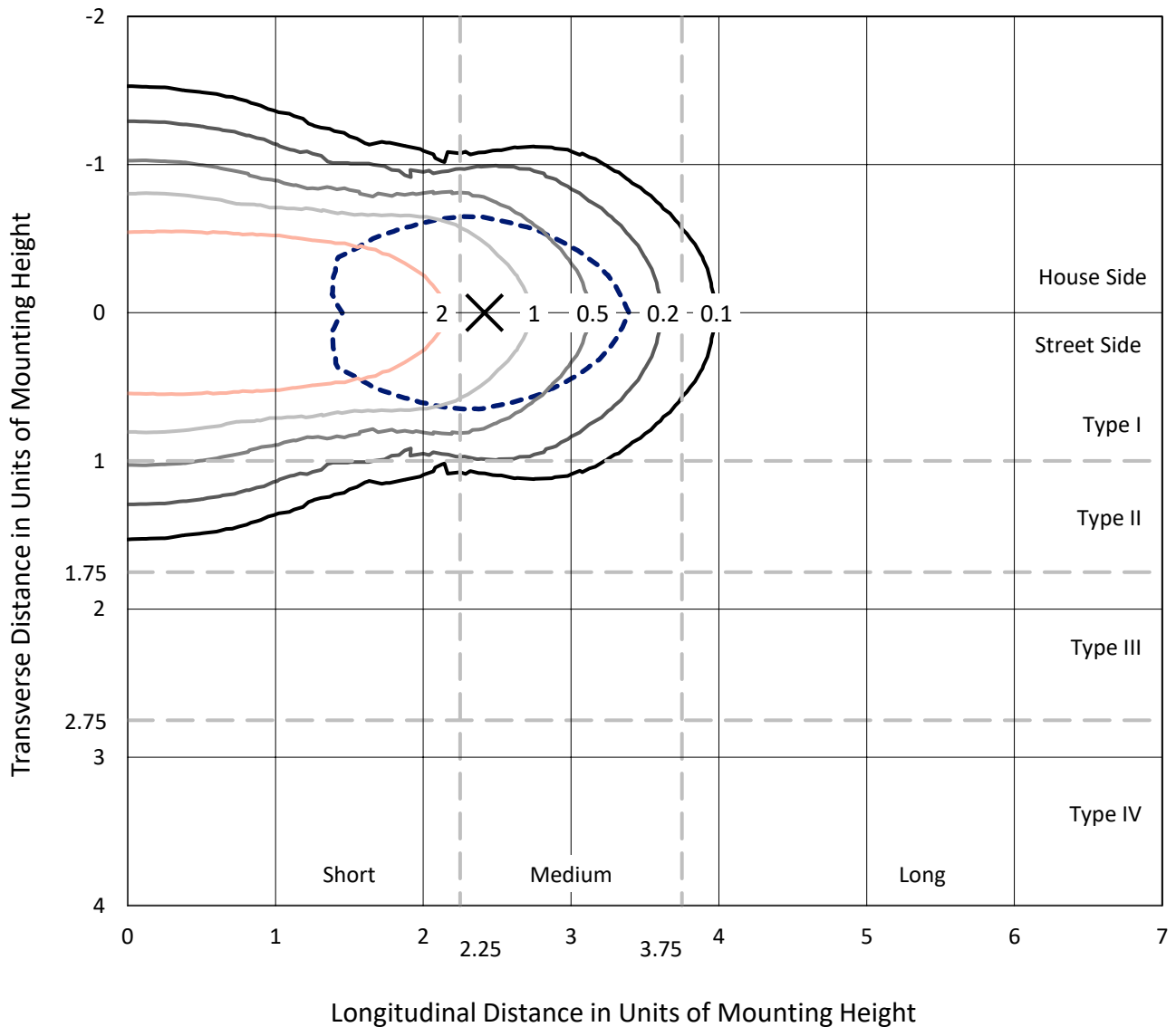
Input Watts (W): 121
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

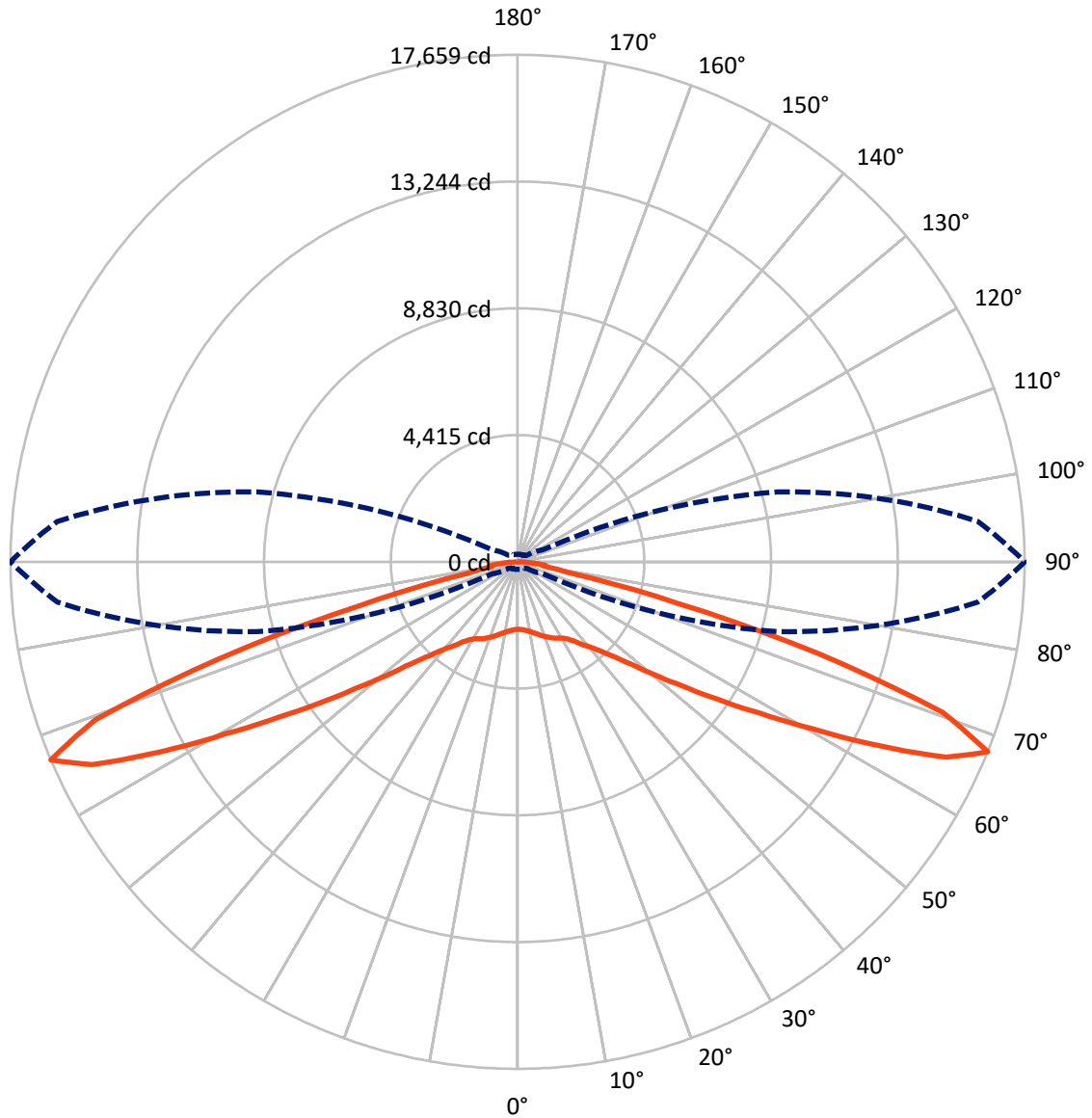
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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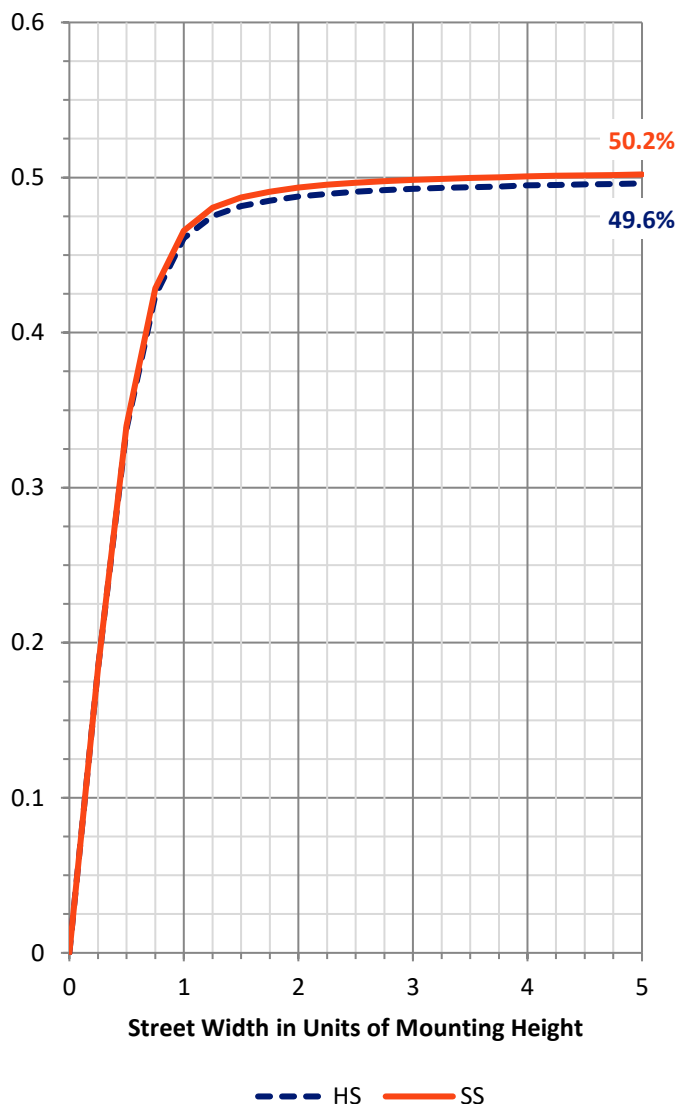
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6638.7	0.0	6638.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6638.7	0.0	6638.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	13277.3	0.0	13277.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.3	1.8
10°-20°	749.8	5.6
20°-30°	1254.9	9.5
30°-40°	1700.1	12.8
40°-50°	2153.5	16.2
50°-60°	2690.2	20.3
60°-70°	3162.2	23.8
70°-80°	1209.7	9.1
80°-90°	122.6	0.9
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°	13277.3	100.0
0°-180°	13277.3	100.0

Coefficient of Utilization



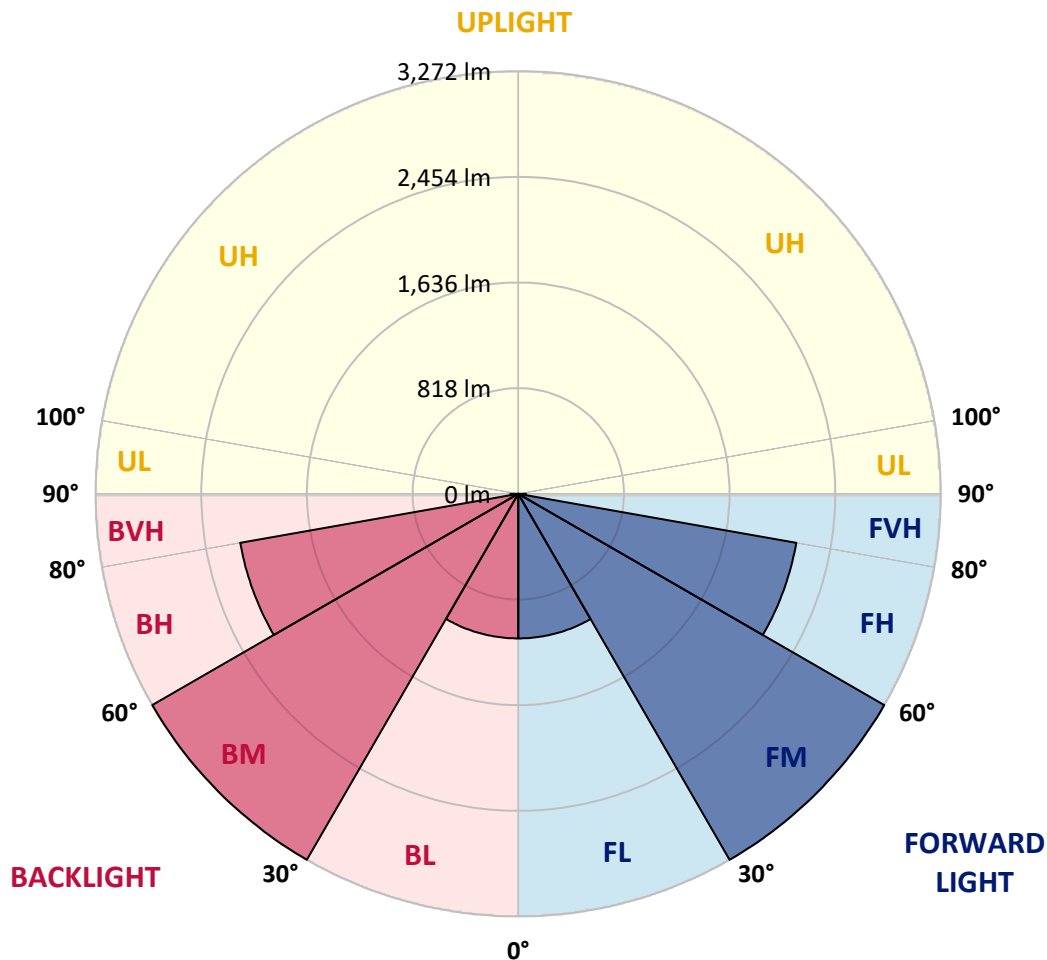
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1119.5	8.4			
FM (30°-60°)	3271.9	24.6			
FH (60°-80°)	2186.0	16.5			G2/5000
FVH (80°-90°)	61.3	0.5			G1/100
BL (0°-30°)	1119.5	8.4	B3/2500		
BM (30°-60°)	3271.9	24.6	B3/5000		
BH (60°-80°)	2186.0	16.5	B3/2500		G3/2500
BVH (80°-90°)	61.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2350.5	2350.5	2350.5	2350.5	2350.5	2350.5	2350.5	2350.5	2350.5	2350.5	2350.5
2.5°	2380.6	2379.1	2379.9	2379.1	2381.4	2379.9	2371.1	2363.7	2357.8	2358.6	2356.4
5°	2431.4	2432.1	2432.9	2429.2	2434.3	2431.4	2417.4	2405.6	2393.9	2389.5	2388.0
7.5°	2473.3	2476.9	2479.1	2482.8	2491.7	2491.7	2484.3	2467.4	2441.7	2427.0	2426.2
10°	2515.2	2518.1	2524.8	2536.5	2551.2	2565.2	2562.2	2539.4	2506.4	2481.4	2475.5
12.5°	2529.9	2533.6	2555.6	2589.5	2622.5	2649.8	2649.8	2631.3	2588.7	2550.5	2539.4
15°	2478.4	2485.1	2524.8	2596.8	2683.6	2743.1	2756.3	2730.6	2685.1	2626.2	2612.9
17.5°	2376.2	2392.4	2450.5	2557.1	2701.2	2824.8	2863.0	2850.4	2791.6	2716.6	2701.2
20°	2266.7	2284.3	2346.1	2487.3	2686.5	2872.5	2983.5	2986.4	2913.7	2804.9	2782.1
22.5°	2146.1	2159.4	2238.8	2404.2	2642.4	2883.6	3087.2	3138.0	3039.4	2893.1	2860.8
25°	2010.8	2025.5	2108.6	2287.3	2559.3	2871.0	3182.0	3293.8	3171.0	2987.2	2946.0
27.5°	1881.4	1887.3	1976.3	2157.9	2449.8	2838.7	3251.9	3437.1	3316.6	3065.1	3012.9
30°	1757.2	1771.1	1849.8	2029.2	2324.0	2775.4	3312.2	3600.4	3473.2	3146.7	3079.9
32.5°	1625.6	1642.5	1727.8	1909.3	2198.3	2680.6	3349.0	3779.1	3691.5	3279.0	3207.8
35°	1499.1	1510.2	1596.1	1772.6	2075.5	2570.4	3355.5	3980.5	3973.1	3479.8	3385.0
37.5°	1369.7	1385.9	1472.7	1641.7	1945.4	2453.5	3322.4	4194.5	4312.8	3758.5	3656.2
40°	1245.4	1259.5	1344.7	1515.3	1797.6	2310.8	3243.8	4390.0	4709.1	4045.2	3900.4
42.5°	1110.2	1113.9	1207.2	1380.7	1652.8	2145.3	3130.6	4564.3	5151.0	4429.7	4249.6
45°	956.5	966.1	1052.8	1223.4	1486.6	1960.1	2976.9	4708.3	5711.2	4962.7	4717.2
47.5°	802.9	811.0	890.3	1058.7	1305.0	1747.7	2740.2	4834.8	6286.2	5639.9	5317.8
50°	652.9	657.3	722.0	871.2	1100.7	1524.1	2446.8	4875.3	6936.0	6598.6	6187.7
52.5°	516.2	522.7	572.0	688.9	882.3	1260.2	2129.9	4775.3	7694.9	7735.3	7155.9
55°	418.4	420.5	457.3	543.3	689.7	983.8	1747.7	4496.6	8510.9	9191.7	8452.8
57.5°	360.3	361.7	382.3	430.1	530.8	741.8	1355.8	3969.4	9243.9	10898.2	9948.2
60°	327.1	327.9	339.7	367.6	420.5	569.1	971.2	3225.4	9967.4	12797.3	11806.9
62.5°	306.6	306.6	314.7	330.1	355.9	436.8	703.6	2327.0	10462.9	14724.2	14097.8
65°	286.7	286.7	292.6	303.6	317.6	357.3	519.8	1517.5	10450.5	16127.8	16402.0
67.5°	263.9	263.9	268.3	279.4	287.4	307.3	401.4	994.0	9387.3	16096.9	17659.2
70°	236.8	236.8	242.7	252.2	258.8	271.3	316.9	680.1	6896.4	13744.2	15705.0
72.5°	209.5	210.2	213.9	223.5	228.6	236.0	263.2	476.5	4230.5	9358.7	10981.3
75°	179.4	180.9	184.6	194.1	198.5	201.5	222.1	339.7	2140.3	5045.8	5745.0
77.5°	144.9	147.8	150.0	160.3	163.3	167.6	183.1	245.5	939.6	1813.0	1829.2
80°	105.9	109.5	116.2	125.7	127.9	130.8	139.7	174.2	425.7	827.9	899.2
82.5°	77.9	83.1	75.0	87.5	87.5	83.8	98.5	116.9	195.6	819.8	980.8
85°	42.7	43.4	39.0	44.9	47.8	47.1	52.2	57.3	94.8	547.0	563.9
87.5°	10.3	11.0	11.7	13.9	16.9	16.9	18.4	16.2	30.9	177.2	101.5
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)