

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: P648311

Luminaire Tested: **GALN-SA3B-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-835-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8595.8 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

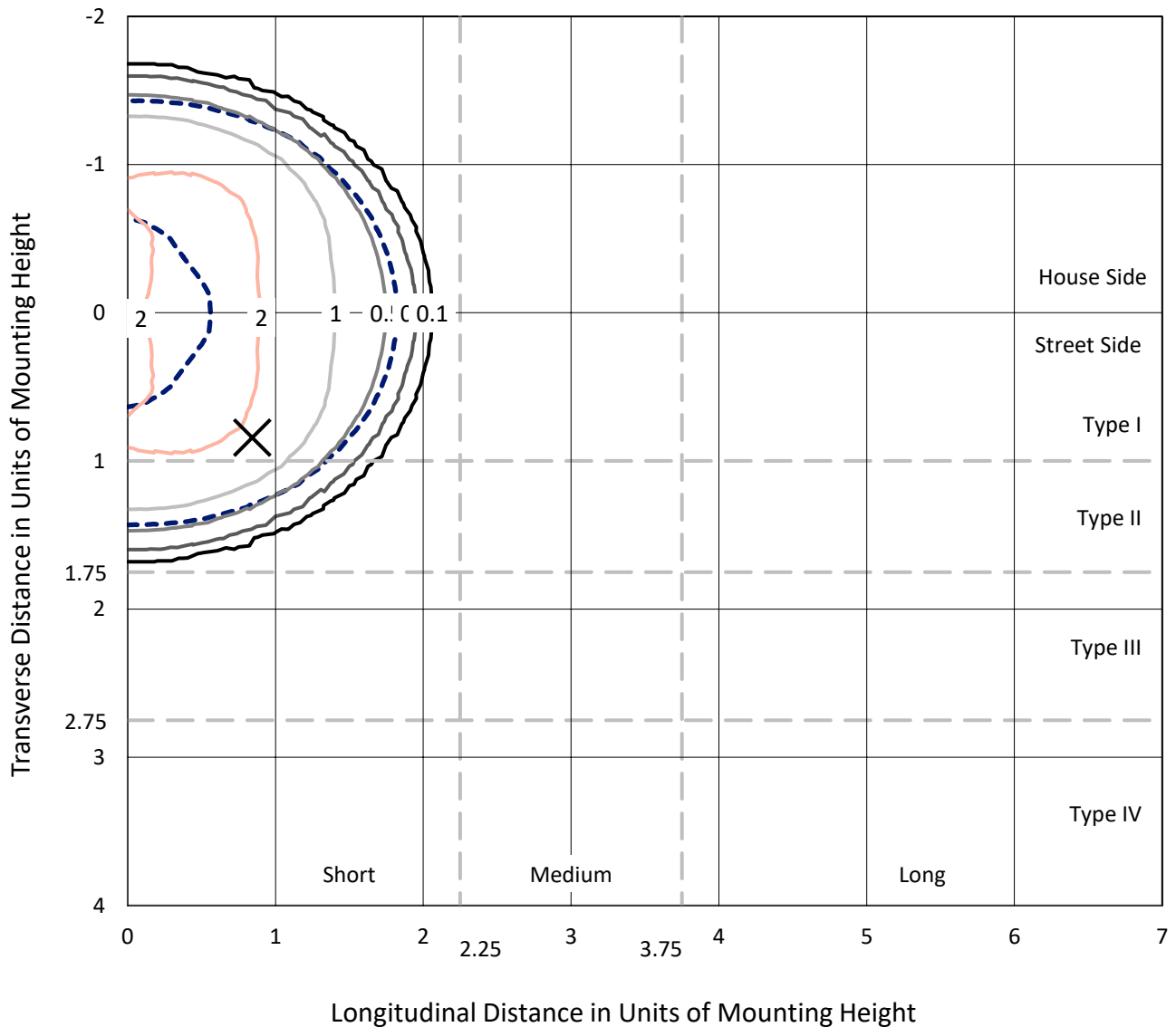
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

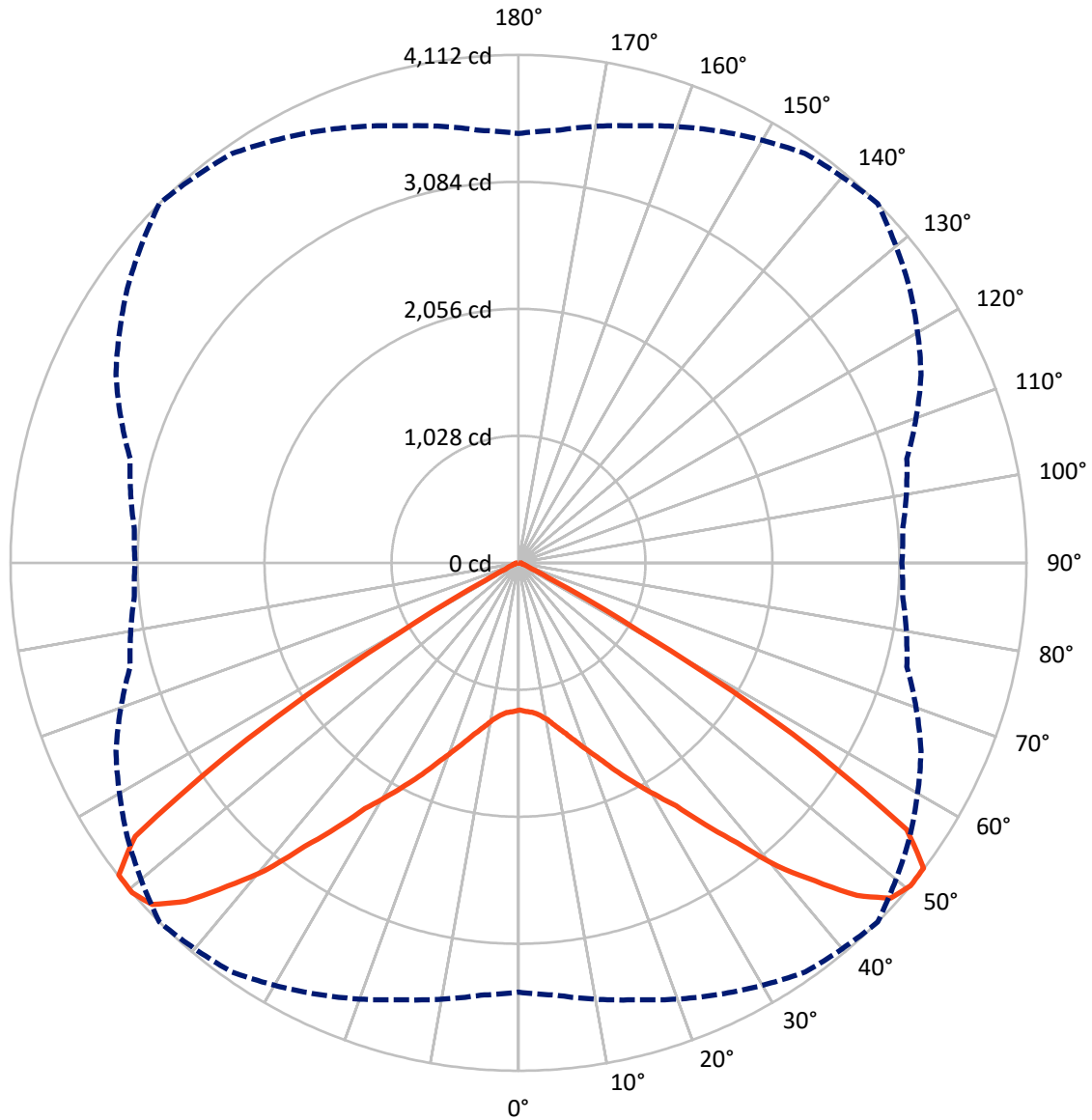
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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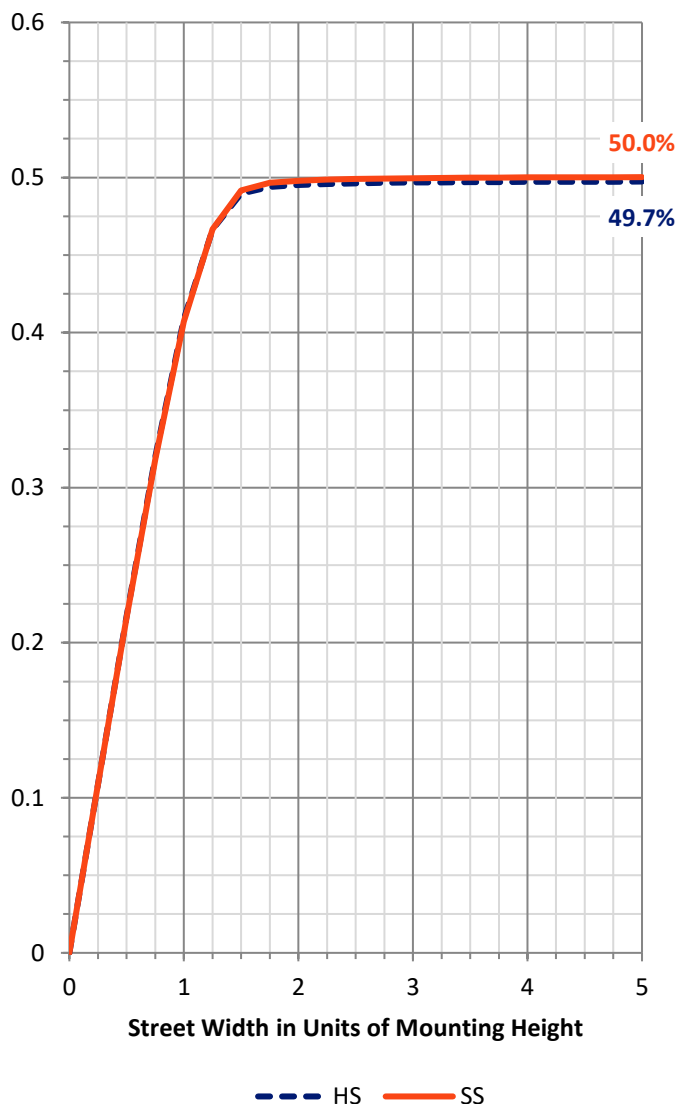
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4297.9	0.0	4297.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4297.9	0.0	4297.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	8595.8	0.0	8595.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.6	1.4
10°-20°	408.6	4.8
20°-30°	834.6	9.7
30°-40°	1591.5	18.5
40°-50°	2681.9	31.2
50°-60°	2557.7	29.8
60°-70°	357.0	4.2
70°-80°	34.2	0.4
80°-90°	11.8	0.1
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°	8595.8	100.0
0°-180°	8595.8	100.0

Coefficient of Utilization

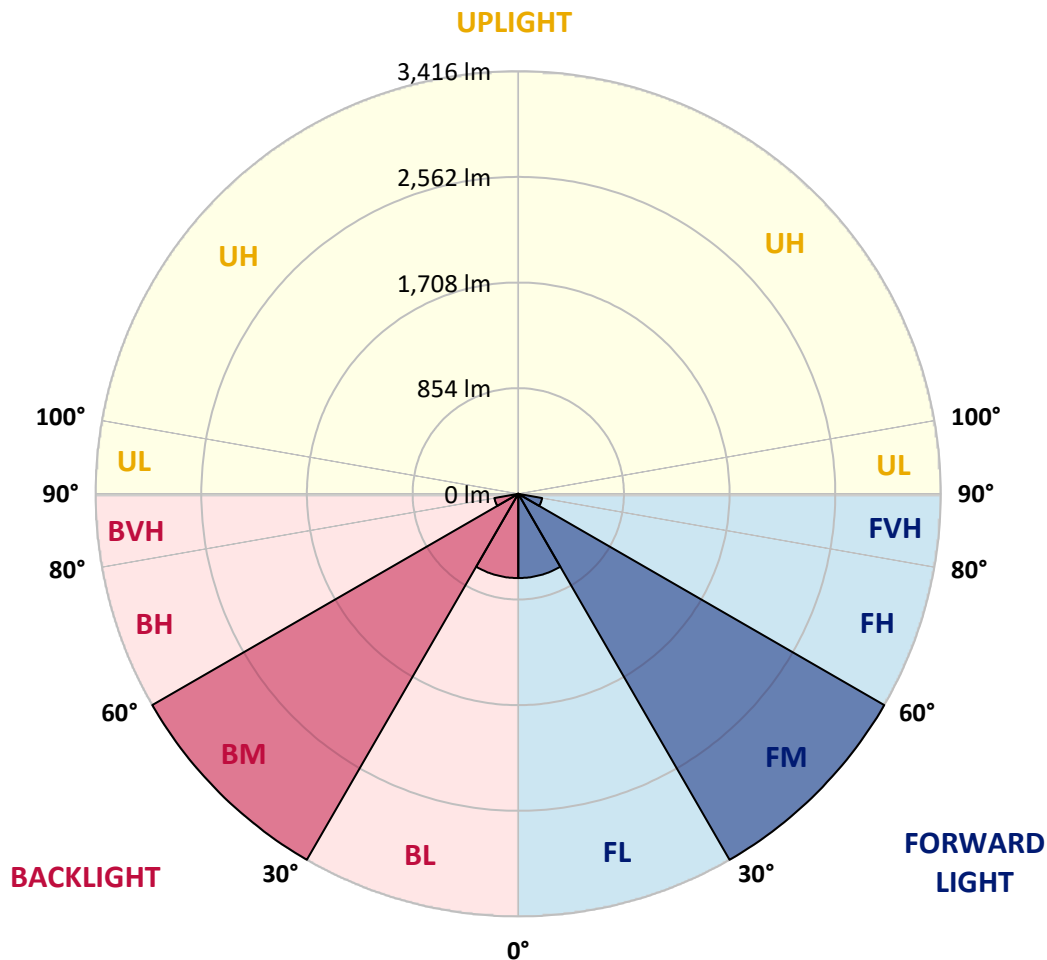


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	680.9	7.9			
FM (30°-60°)	3415.5	39.7			
FH (60°-80°)	195.6	2.3			G0/660
FVH (80°-90°)	5.9	0.1			G0/10
BL (0°-30°)	680.9	7.9	B2/1000		
BM (30°-60°)	3415.5	39.7	B3/5000		
BH (60°-80°)	195.6	2.3	B1/500		G0/660
BVH (80°-90°)	5.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7
2.5°	1187.3	1187.3	1185.9	1197.5	1191.7	1204.7	1203.3	1207.6	1211.9	1210.5	1222.1
5°	1177.2	1175.8	1175.8	1188.8	1201.8	1216.3	1229.3	1238.0	1252.5	1252.5	1266.9
7.5°	1187.3	1180.1	1190.2	1196.0	1220.6	1245.2	1266.9	1284.3	1317.6	1329.1	1324.8
10°	1190.2	1198.9	1206.1	1223.5	1253.9	1291.5	1310.3	1353.7	1391.3	1417.3	1423.1
12.5°	1209.0	1222.1	1242.3	1284.3	1311.8	1360.9	1386.9	1428.9	1481.0	1509.9	1530.1
15°	1245.2	1249.6	1275.6	1329.1	1388.4	1433.2	1473.8	1504.1	1554.7	1588.0	1589.4
17.5°	1291.5	1310.3	1346.4	1397.1	1459.3	1525.8	1557.6	1590.9	1609.7	1654.5	1664.7
20°	1384.0	1386.9	1421.7	1488.2	1566.3	1627.0	1650.2	1667.6	1660.3	1706.5	1715.2
22.5°	1470.9	1473.8	1517.1	1606.8	1690.7	1742.7	1752.8	1742.7	1721.0	1754.3	1757.2
25°	1559.0	1585.1	1616.9	1706.5	1810.7	1880.1	1881.5	1854.1	1809.3	1815.1	1829.5
27.5°	1696.4	1715.2	1748.5	1831.0	1945.2	2023.3	2010.3	1977.0	1919.2	1923.5	1919.2
30°	1857.0	1874.3	1901.8	2007.4	2091.3	2176.6	2195.4	2163.6	2076.8	2058.0	2079.7
32.5°	2050.8	2075.3	2126.0	2222.9	2293.7	2345.8	2358.9	2347.3	2266.2	2259.0	2273.5
35°	2286.5	2319.8	2366.1	2451.4	2509.3	2603.2	2603.2	2564.2	2490.4	2499.1	2497.7
37.5°	2535.3	2584.4	2656.8	2743.6	2821.6	2872.3	2856.3	2823.1	2749.3	2730.6	2749.3
40°	2847.7	2872.3	2963.3	3076.2	3171.6	3229.5	3161.5	3089.2	2912.8	2940.2	2990.8
42.5°	3132.5	3171.6	3241.1	3365.4	3473.9	3521.6	3440.7	3297.4	3084.9	3063.2	3100.8
45°	3375.5	3417.5	3508.6	3686.5	3800.8	3842.7	3663.3	3432.0	3189.0	3134.0	3149.9
47.5°	3537.5	3559.2	3686.5	3855.7	3959.9	4055.3	3797.9	3524.5	3238.2	3134.0	3128.2
50°	3475.3	3512.9	3661.9	3854.2	4043.7	4111.7	3865.8	3595.4	3254.1	3121.0	3103.7
52.5°	3086.3	3151.3	3317.7	3576.6	3862.9	4105.9	3959.9	3572.2	3248.3	3134.0	3160.0
55°	2147.7	2149.1	2351.6	2733.4	3239.6	3812.3	3822.4	3598.3	3285.9	3215.0	3216.5
57.5°	863.4	906.8	1061.5	1444.8	1911.9	2617.7	3112.3	3337.9	3290.2	3272.9	3317.7
60°	218.4	219.9	267.6	407.9	672.5	1122.3	1629.9	2205.6	2539.6	2653.9	2669.8
62.5°	111.3	112.8	124.3	144.6	183.7	300.8	535.1	848.9	1207.6	1389.8	1437.6
65°	91.1	91.1	98.3	108.4	109.9	115.7	138.8	198.1	287.8	326.8	331.2
67.5°	69.5	69.5	75.2	81.0	83.9	82.4	79.6	82.4	99.8	95.4	92.6
70°	43.4	44.9	47.8	53.5	56.4	57.9	59.3	62.2	70.9	73.8	70.9
72.5°	26.0	26.0	27.5	31.8	36.2	39.1	43.4	46.3	50.6	57.9	56.4
75°	11.6	11.6	14.5	18.8	23.2	27.5	31.8	36.2	39.1	43.4	44.9
77.5°	2.9	4.3	7.2	13.0	17.4	23.2	28.9	33.3	36.2	36.2	34.7
80°	1.4	1.4	5.8	10.1	18.8	24.6	31.8	34.7	39.1	36.2	31.8
82.5°	1.4	1.4	5.8	10.1	17.4	24.6	33.3	37.6	40.5	36.2	30.4
85°	0.0	1.4	4.3	8.7	14.5	17.4	14.5	10.1	5.8	5.8	4.3
87.5°	0.0	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)