

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: P647817

Luminaire Tested: **GALN-SA3A-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3A-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9366.2 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

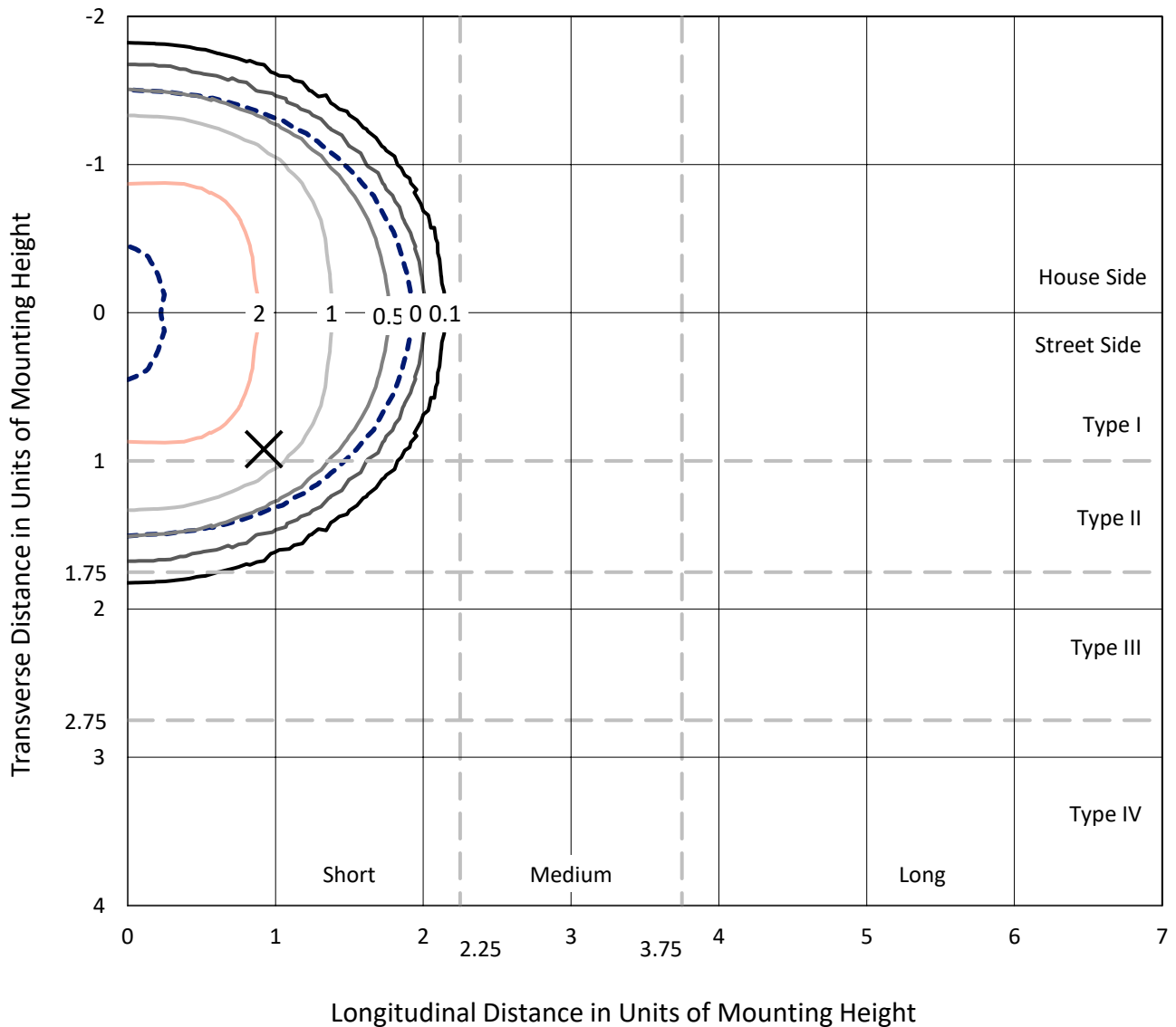
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

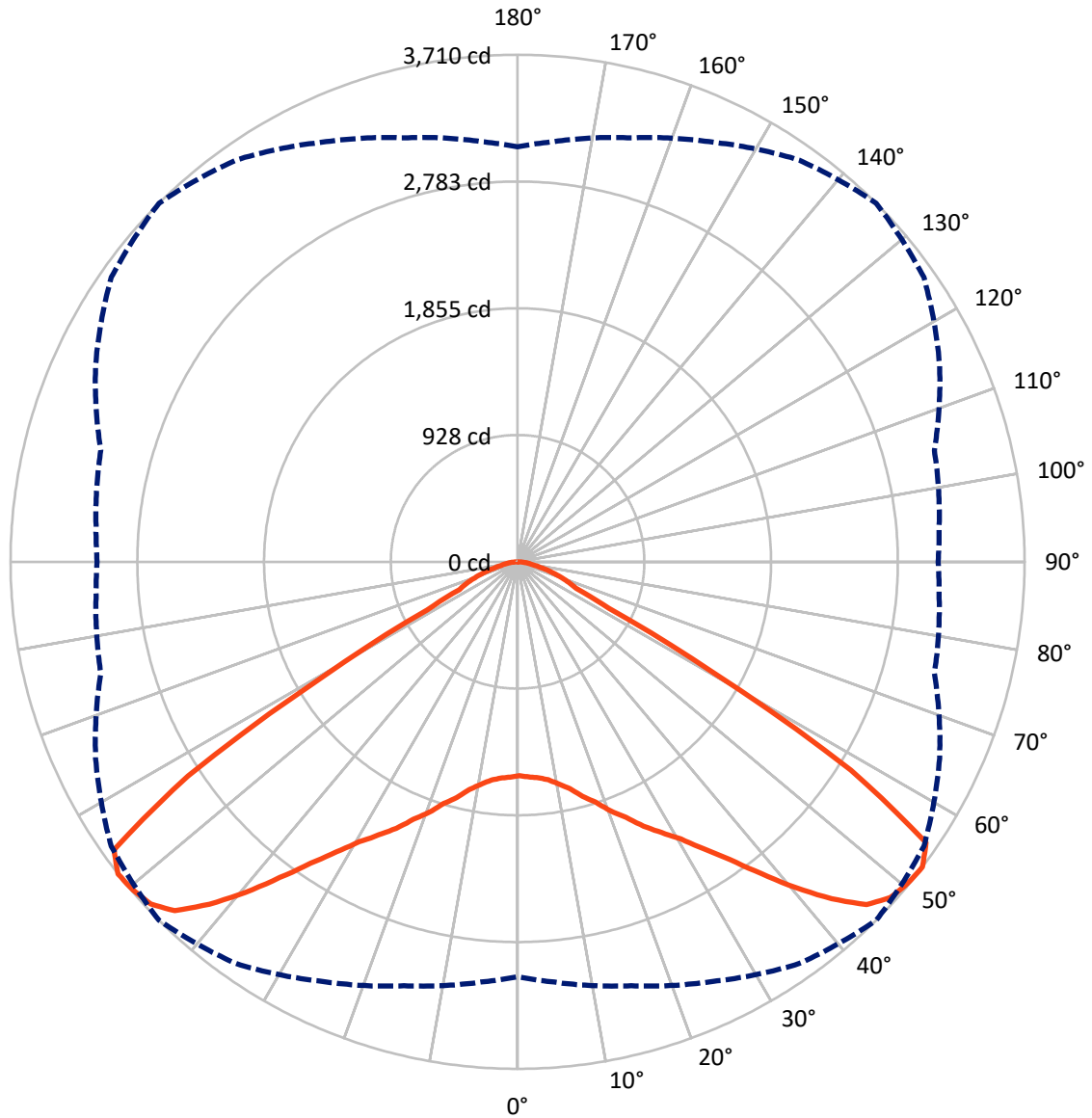
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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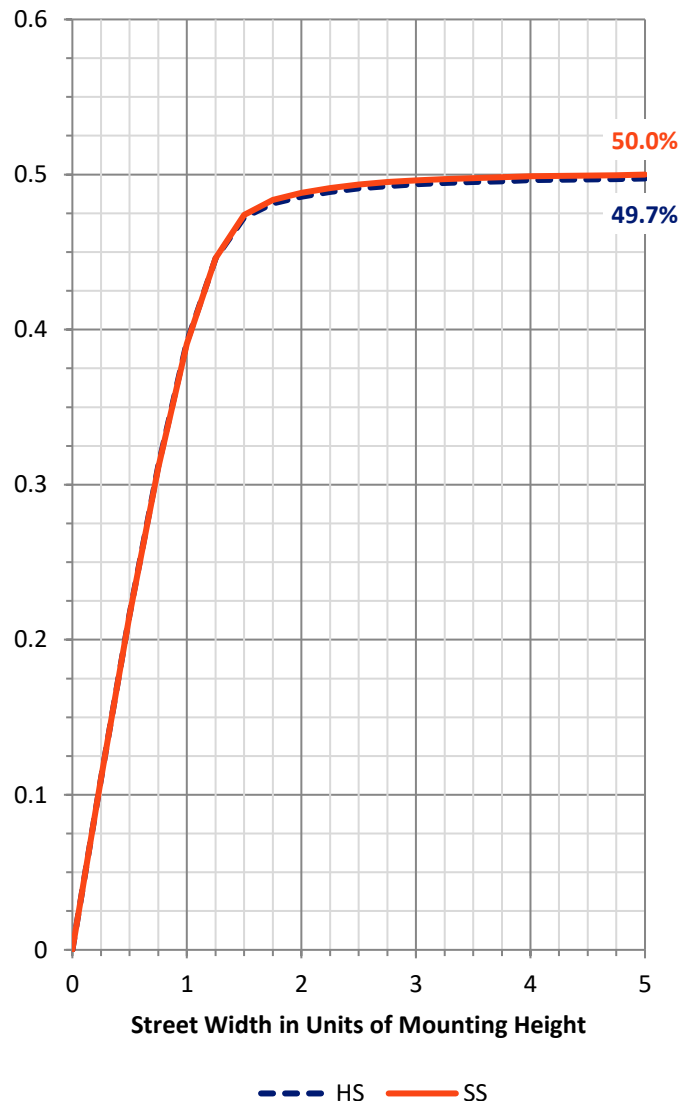
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4683.1	0.0	4683.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4683.1	0.0	4683.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	9366.2	0.0	9366.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.8	1.6
10°-20°	505.5	5.4
20°-30°	962.3	10.3
30°-40°	1652.4	17.6
40°-50°	2539.7	27.1
50°-60°	2579.1	27.5
60°-70°	718.7	7.7
70°-80°	212.0	2.3
80°-90°	42.7	0.5
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°	9366.2	100.0
0°-180°	9366.2	100.0

Coefficient of Utilization



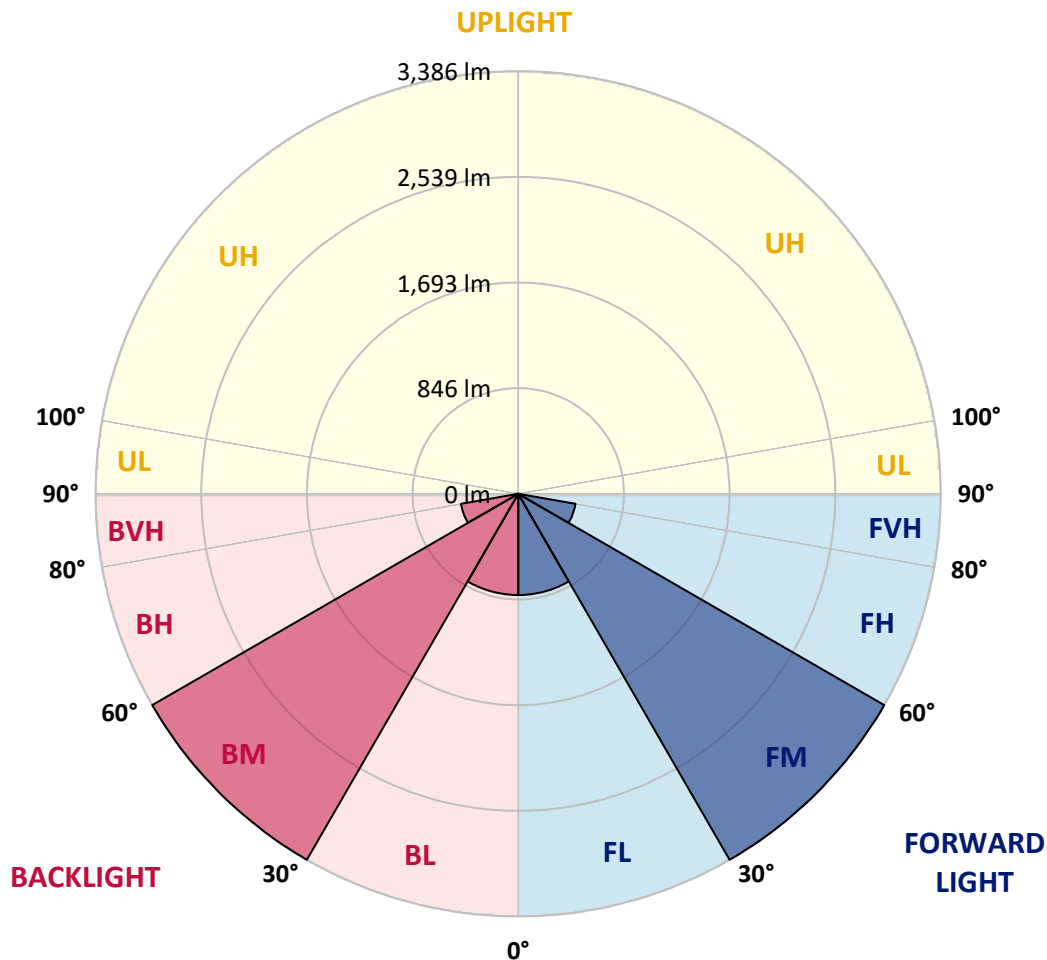
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	810.8	8.7			
FM (30°-60°)	3385.6	36.1			
FH (60°-80°)	465.4	5.0			G0/660
FVH (80°-90°)	21.4	0.2			G1/100
BL (0°-30°)	810.8	8.7	B2/1000		
BM (30°-60°)	3385.6	36.1	B3/5000		
BH (60°-80°)	465.4	5.0	B1/500		G0/660
BVH (80°-90°)	21.4	0.2			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°	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7	1565.7
2.5°	1569.2	1552.9	1558.7	1562.2	1577.4	1576.2	1572.7	1577.4	1582.0	1583.1	1580.8
5°	1568.0	1556.4	1561.1	1564.5	1579.6	1587.8	1585.4	1605.2	1619.2	1615.6	1633.1
7.5°	1558.7	1565.7	1559.9	1577.4	1590.1	1609.8	1630.8	1649.4	1666.9	1686.6	1690.0
10°	1579.6	1579.6	1590.1	1604.1	1637.7	1652.8	1683.1	1709.8	1743.5	1766.8	1757.4
12.5°	1601.7	1605.2	1605.2	1641.2	1669.1	1702.9	1730.7	1766.8	1814.4	1842.3	1856.3
15°	1623.8	1626.1	1637.7	1686.6	1728.4	1781.9	1807.5	1840.0	1866.8	1919.1	1920.2
17.5°	1643.6	1656.4	1691.2	1745.9	1798.2	1849.3	1890.0	1923.7	1946.9	1967.8	1963.2
20°	1718.0	1727.2	1763.3	1817.9	1895.8	1945.8	1959.7	1965.6	1980.7	2022.5	2009.7
22.5°	1790.0	1793.5	1827.2	1910.9	1965.6	2031.8	2046.9	2043.4	2049.3	2059.7	2078.3
25°	1864.4	1870.2	1916.7	1987.6	2064.4	2143.4	2156.1	2129.4	2121.3	2132.9	2134.1
27.5°	1959.7	1960.9	2020.1	2081.8	2169.0	2243.4	2263.1	2242.2	2203.8	2213.1	2228.3
30°	2080.6	2072.4	2131.8	2220.1	2311.9	2353.8	2387.4	2377.0	2335.1	2327.0	2314.2
32.5°	2220.1	2222.4	2275.9	2372.3	2432.8	2502.5	2538.6	2521.2	2494.4	2480.5	2488.6
35°	2416.6	2427.0	2463.0	2543.3	2640.9	2675.7	2732.7	2695.5	2625.8	2643.2	2658.3
37.5°	2578.1	2608.3	2675.7	2771.0	2829.1	2893.1	2914.0	2864.1	2812.9	2791.9	2842.0
40°	2825.7	2816.4	2890.8	2986.1	3072.1	3136.0	3109.3	3059.3	2932.6	2933.7	2947.8
42.5°	3038.4	3043.1	3100.0	3213.9	3331.3	3370.8	3285.9	3163.9	3023.3	3008.2	3038.4
45°	3217.4	3236.0	3268.6	3420.8	3535.9	3578.9	3421.9	3277.9	3089.6	3026.8	3076.7
47.5°	3281.3	3311.5	3382.5	3521.9	3635.9	3670.7	3545.2	3338.3	3151.1	3048.8	3075.6
50°	3290.6	3280.1	3396.4	3524.3	3624.2	3699.8	3589.4	3382.5	3136.0	3082.6	3074.4
52.5°	3036.1	3087.2	3211.6	3387.1	3589.4	3710.2	3628.9	3406.8	3157.0	3096.5	3076.7
55°	2457.2	2396.8	2623.4	2918.7	3290.6	3626.5	3615.0	3419.7	3169.7	3119.8	3093.0
57.5°	1371.6	1389.0	1516.9	1837.7	2317.8	2875.6	3213.9	3284.8	3163.9	3134.9	3148.8
60°	634.6	640.5	695.1	845.0	1142.6	1630.8	2076.0	2528.2	2736.2	2778.0	2778.0
62.5°	473.1	470.7	484.7	511.5	574.2	749.7	1000.8	1360.0	1645.9	1845.8	1898.1
65°	427.8	426.6	433.5	442.9	447.5	471.9	527.7	638.1	731.1	784.6	775.3
67.5°	374.3	373.1	375.4	381.2	389.4	402.1	416.1	439.3	471.9	469.6	463.8
70°	302.2	302.2	305.7	310.4	319.6	334.7	351.0	367.3	395.2	401.0	399.9
72.5°	223.2	219.7	226.7	236.0	245.2	263.9	281.3	296.4	316.2	322.0	319.6
75°	141.8	144.2	148.8	159.3	175.5	188.3	206.9	219.7	232.5	237.1	238.3
77.5°	79.0	81.4	89.5	102.3	118.5	132.5	148.8	159.3	167.4	168.6	169.7
80°	47.7	48.8	56.9	68.6	82.5	97.6	110.4	120.9	127.9	124.3	123.2
82.5°	29.0	30.2	37.2	47.7	59.3	70.9	84.9	94.1	101.2	96.5	91.8
85°	15.1	16.3	22.1	29.0	38.4	44.2	44.2	39.5	38.4	36.0	34.8
87.5°	4.6	4.6	5.8	7.0	5.8	7.0	8.1	9.3	9.3	10.5	9.3
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)