

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: P528092

Luminaire Tested: **GALN-SA3A-830-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3A-830-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9575 lumens
Efficiency: N/A
Efficacy: 103.0 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



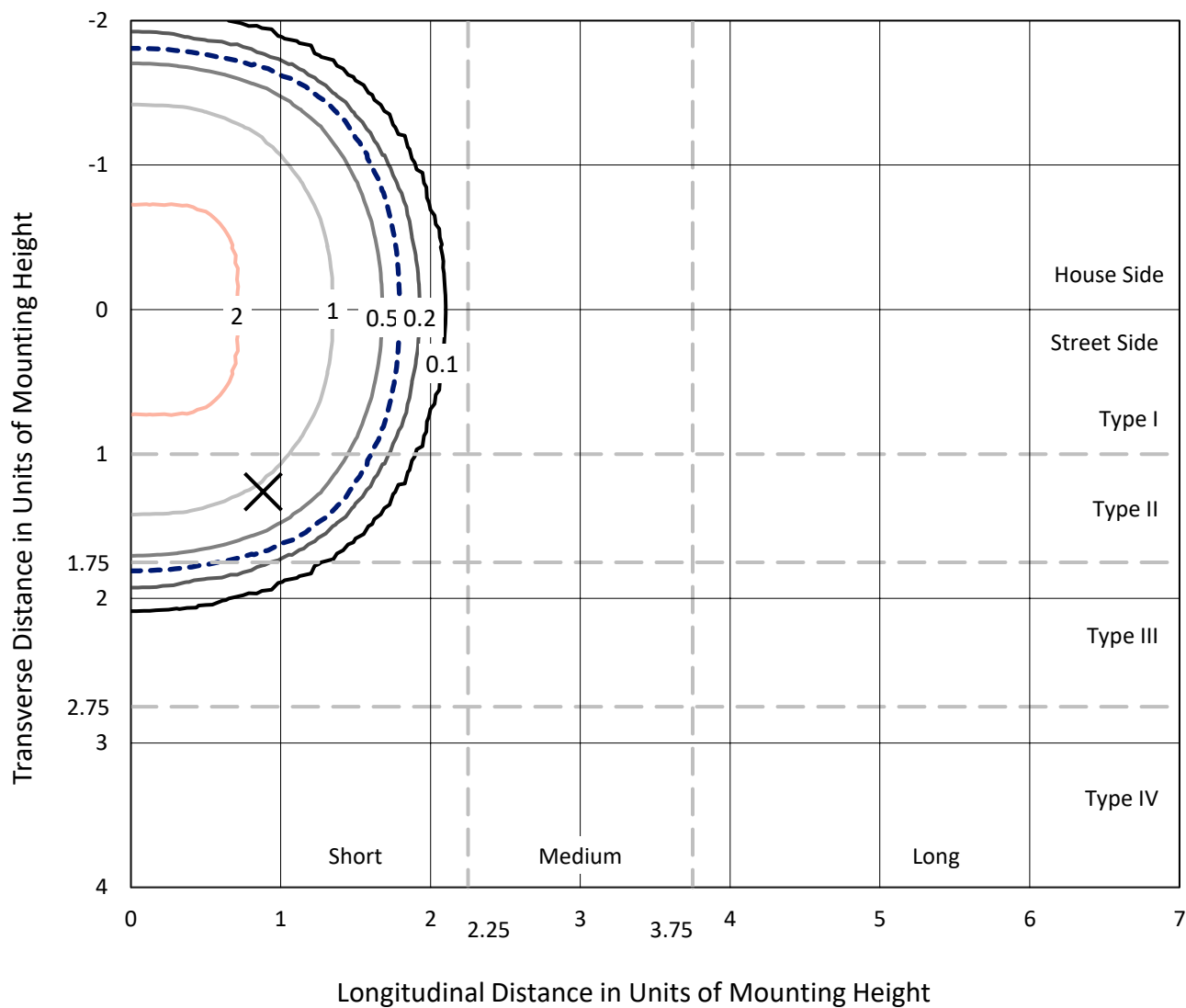
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

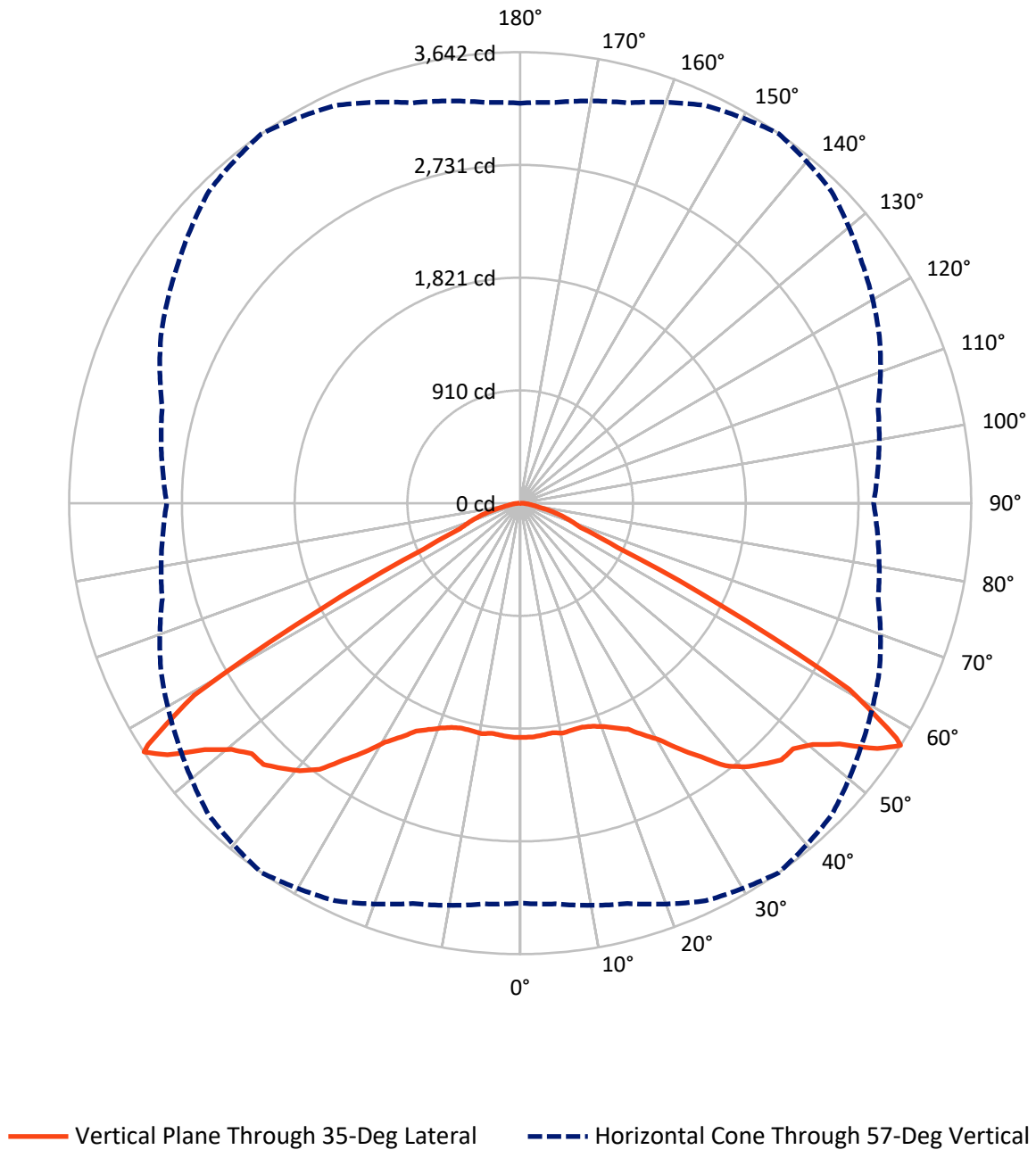


Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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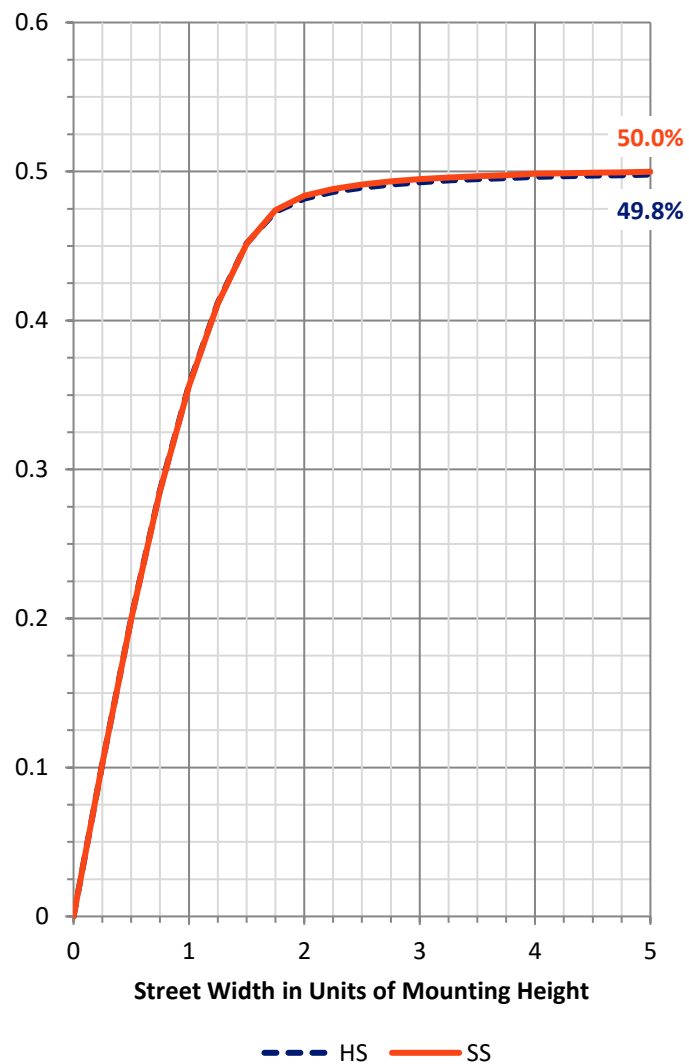
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4787.5	0.0	4787.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4787.5	0.0	4787.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9575.0	0.0	9575.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.3	1.9
10°-20°	531.0	5.5
20°-30°	927.3	9.7
30°-40°	1519.4	15.9
40°-50°	2227.8	23.3
50°-60°	2806.1	29.3
60°-70°	1055.4	11.0
70°-80°	280.6	2.9
80°-90°	48.1	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°	9575.0	100.0
0°-180°	9575.0	100.0

Coefficient of Utilization



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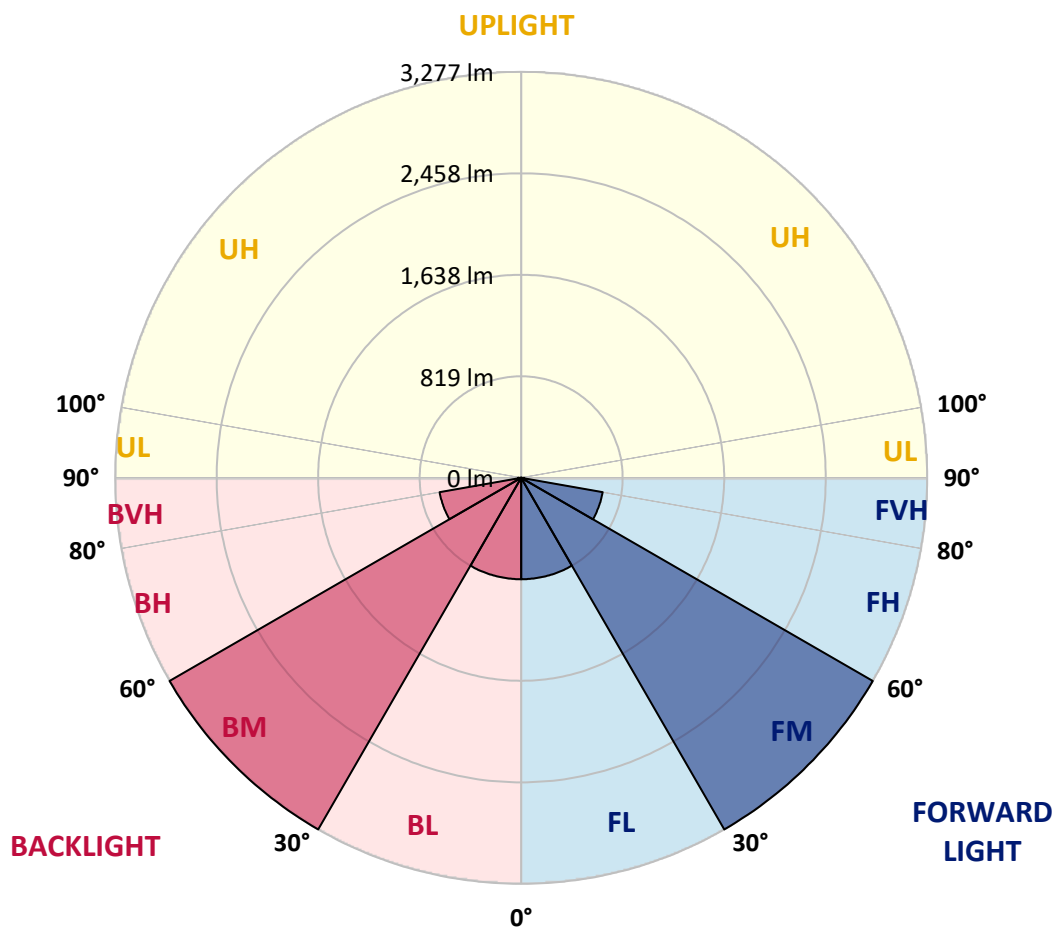
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	818.8	8.6			
FM	(30°-60°)	3276.7	34.2			
FH	(60°-80°)	668.0	7.0			G1/1800
FVH	(80°-90°)	24.1	0.3			G1/100
BL	(0°-30°)	818.8	8.6	B2/1000		
BM	(30°-60°)	3276.7	34.2	B3/5000		
BH	(60°-80°)	668.0	7.0	B2/1000		G1/1800
BVH	(80°-90°)	24.1	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°	1891.0	1891.0	1891.0	1891.0	1891.0	1891.0	1891.0	1891.0	1891.0	1891.0	1891.0
2.5°	1881.6	1900.4	1892.2	1887.5	1891.0	1885.1	1875.7	1886.3	1883.9	1874.5	1870.9
5°	1876.8	1891.0	1881.6	1891.0	1881.6	1898.1	1893.4	1875.7	1896.9	1876.8	1883.9
7.5°	1873.3	1878.0	1880.4	1875.7	1872.1	1892.2	1881.6	1873.3	1861.5	1858.0	1863.9
10°	1865.0	1876.8	1859.1	1882.7	1887.5	1873.3	1873.3	1858.0	1848.5	1842.6	1862.7
12.5°	1886.3	1866.2	1863.9	1875.7	1879.2	1885.1	1868.6	1860.3	1842.6	1845.0	1841.4
15°	1861.5	1869.8	1870.9	1873.3	1876.8	1891.0	1875.7	1858.0	1850.9	1826.1	1828.5
17.5°	1870.9	1862.7	1870.9	1898.1	1893.4	1904.0	1887.5	1860.3	1843.8	1829.6	1848.5
20°	1887.5	1883.9	1887.5	1920.5	1926.4	1935.8	1921.7	1896.9	1865.0	1848.5	1858.0
22.5°	1905.1	1902.8	1905.1	1937.0	1971.2	1983.0	1968.8	1911.0	1894.5	1863.9	1853.2
25°	1937.0	1939.4	1964.1	1999.5	2021.9	2044.3	2018.4	1977.1	1924.0	1905.1	1882.7
27.5°	2007.8	2013.7	2027.8	2079.7	2118.7	2138.7	2102.2	2045.5	2012.5	1973.6	1967.7
30°	2095.1	2095.1	2119.8	2164.7	2217.8	2248.4	2203.6	2136.4	2096.3	2075.0	2062.0
32.5°	2210.7	2197.7	2207.1	2286.2	2368.8	2394.7	2334.5	2252.0	2188.3	2160.0	2150.5
35°	2309.8	2318.0	2339.3	2424.2	2516.2	2576.4	2482.0	2374.7	2309.8	2283.8	2279.1
37.5°	2438.4	2452.5	2463.1	2579.9	2690.8	2713.2	2622.4	2536.3	2457.2	2436.0	2424.2
40°	2620.0	2610.6	2614.1	2700.2	2800.5	2814.7	2725.0	2663.7	2598.8	2585.8	2585.8
42.5°	2769.8	2759.2	2771.0	2802.9	2879.5	2868.9	2819.4	2774.6	2747.4	2733.3	2747.4
45°	2860.7	2858.3	2879.5	2903.1	2957.4	2922.0	2883.1	2890.2	2864.2	2840.6	2839.4
47.5°	2959.8	2944.4	2970.4	3005.8	2964.5	2948.0	2945.6	2960.9	2952.7	2911.4	2898.4
50°	3008.1	3002.2	3043.5	3084.8	3062.4	3024.6	3032.9	3057.7	2951.5	2896.1	2864.2
52.5°	3137.9	3139.1	3218.1	3240.5	3231.1	3175.6	3193.3	3126.1	3001.1	2923.2	2926.7
55°	3342.0	3333.7	3422.2	3488.2	3498.9	3428.1	3343.2	3248.8	3091.9	3012.8	2989.3
57°	3229.9	3248.8	3346.7	3542.5	3641.6	3557.8	3372.6	3200.4	2991.6	2896.1	2853.6
57.5°	3080.1	3110.8	3280.6	3477.6	3581.4	3574.4	3336.1	3110.8	2924.4	2775.7	2779.3
60°	2256.7	2262.6	2415.9	2728.5	3053.0	3060.0	2769.8	2471.4	2263.8	2102.2	2124.6
62.5°	1190.3	1217.4	1278.7	1530.0	1810.8	1879.2	1703.4	1550.1	1370.8	1248.1	1259.9
65°	629.9	626.4	655.9	726.7	864.7	900.1	876.5	755.0	692.5	672.4	673.6
67.5°	512.0	517.9	514.3	517.9	527.3	542.6	539.1	543.8	547.4	553.3	552.1
70°	434.1	434.1	436.5	437.7	437.7	444.7	453.0	468.3	469.5	475.4	477.8
72.5°	342.1	339.7	343.3	351.5	352.7	358.6	370.4	379.8	383.4	383.4	376.3
75°	232.4	234.8	239.5	246.5	253.6	264.2	273.7	279.6	281.9	278.4	274.9
77.5°	130.9	133.3	136.8	147.5	155.7	165.2	175.8	181.7	187.6	188.7	181.7
80°	77.9	77.9	83.8	92.0	101.5	110.9	120.3	127.4	129.8	129.8	126.2
82.5°	47.2	48.4	53.1	61.3	69.6	75.5	83.8	89.7	94.4	93.2	90.8
85°	24.8	24.8	29.5	36.6	42.5	48.4	48.4	44.8	42.5	36.6	34.2
87.5°	8.3	7.1	9.4	9.4	8.3	9.4	9.4	10.6	10.6	10.6	10.6
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)