

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: P455006

Luminaire Tested: **GALN-SA6A-830-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6A-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22554 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 182
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

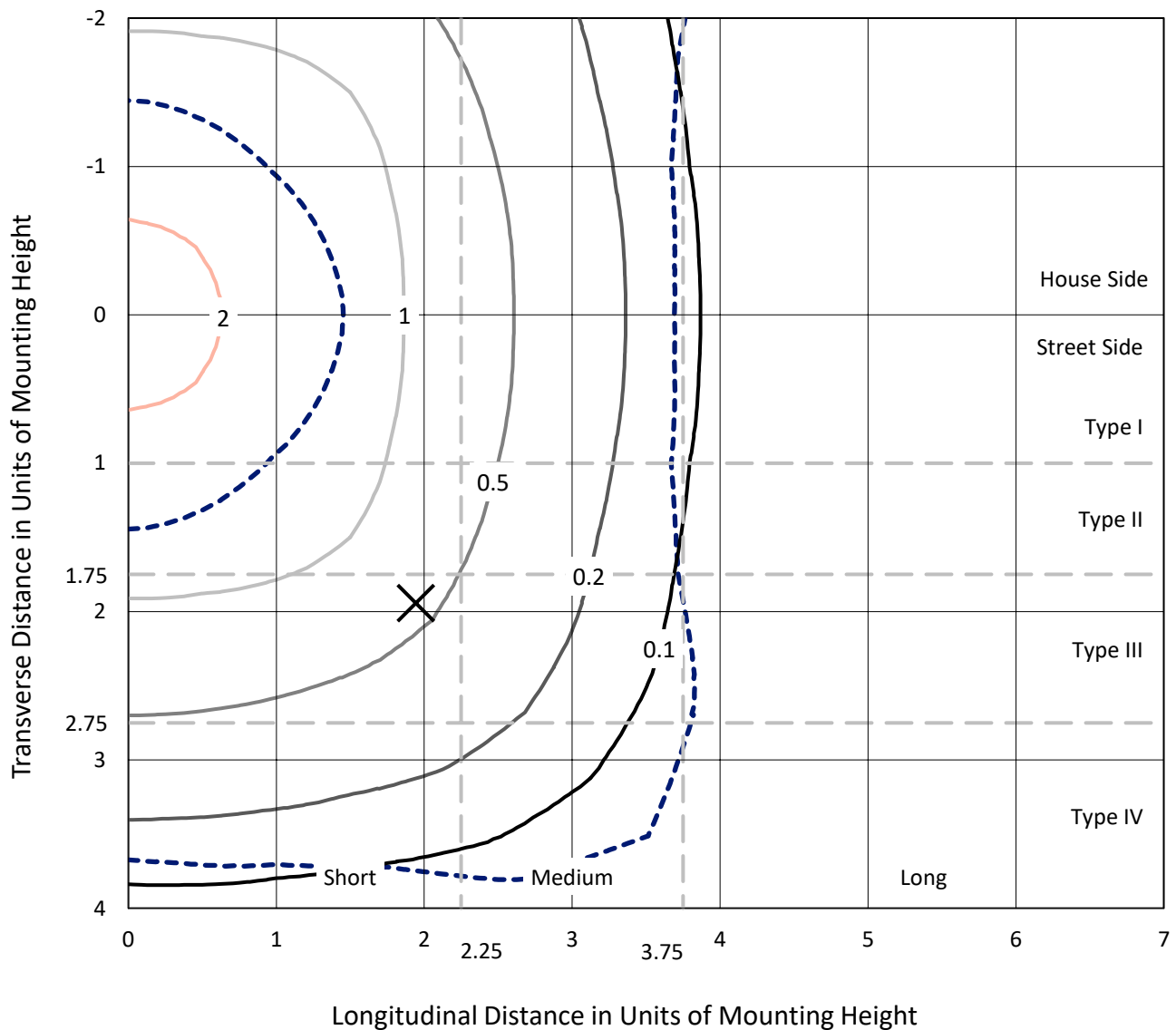


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

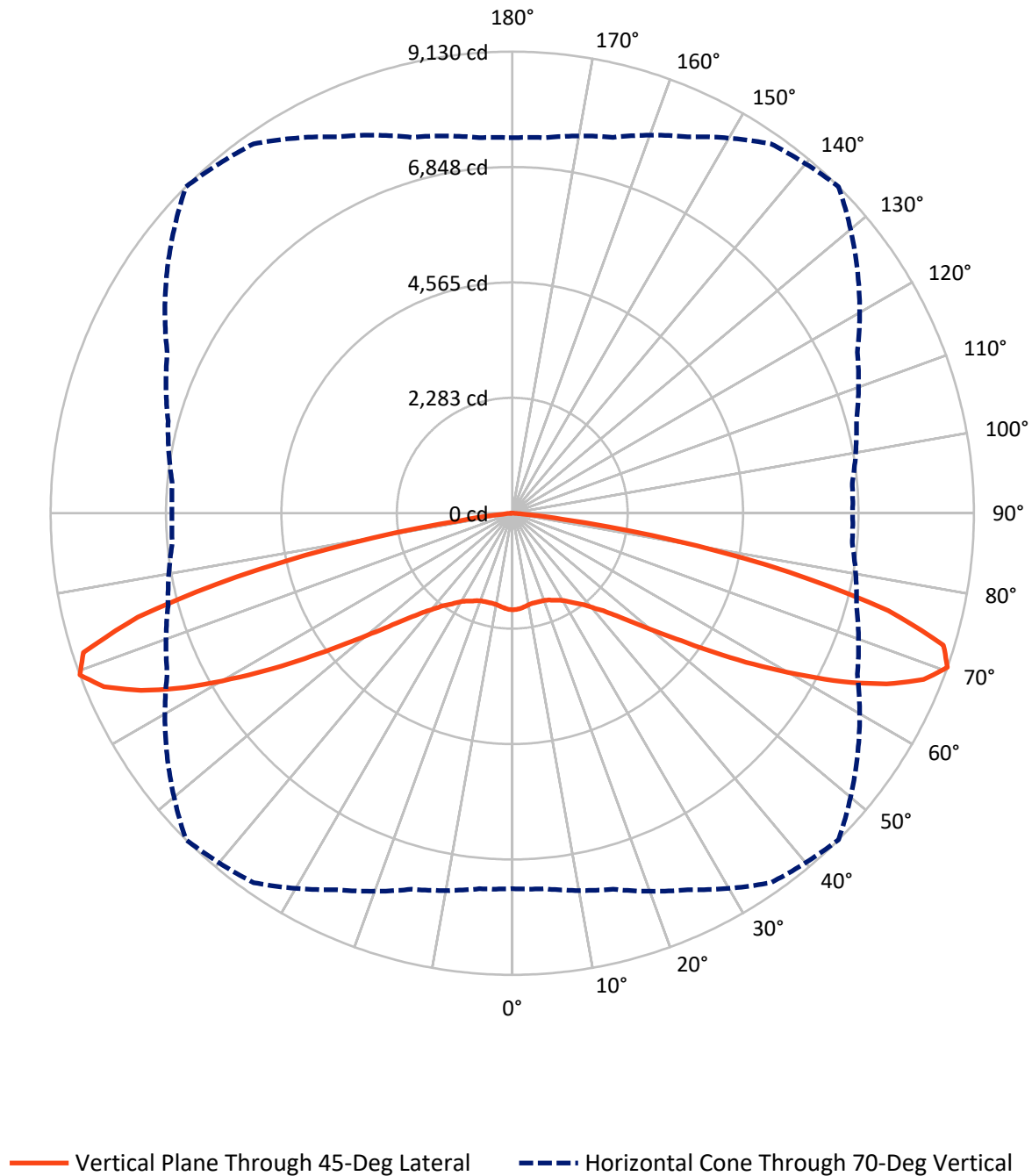


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11277.0	0.0	11277.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11277.0	0.0	11277.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22554.0	0.0	22554.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	0.8
10°-20°	522.8	2.3
20°-30°	890.7	3.9
30°-40°	1380.6	6.1
40°-50°	2323.7	10.3
50°-60°	4227.8	18.7
60°-70°	7157.6	31.7
70°-80°	5540.3	24.6
80°-90°	332.0	1.5
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°	22554.0	100.0
0°-180°	22554.0	100.0

Coefficient of Utilization



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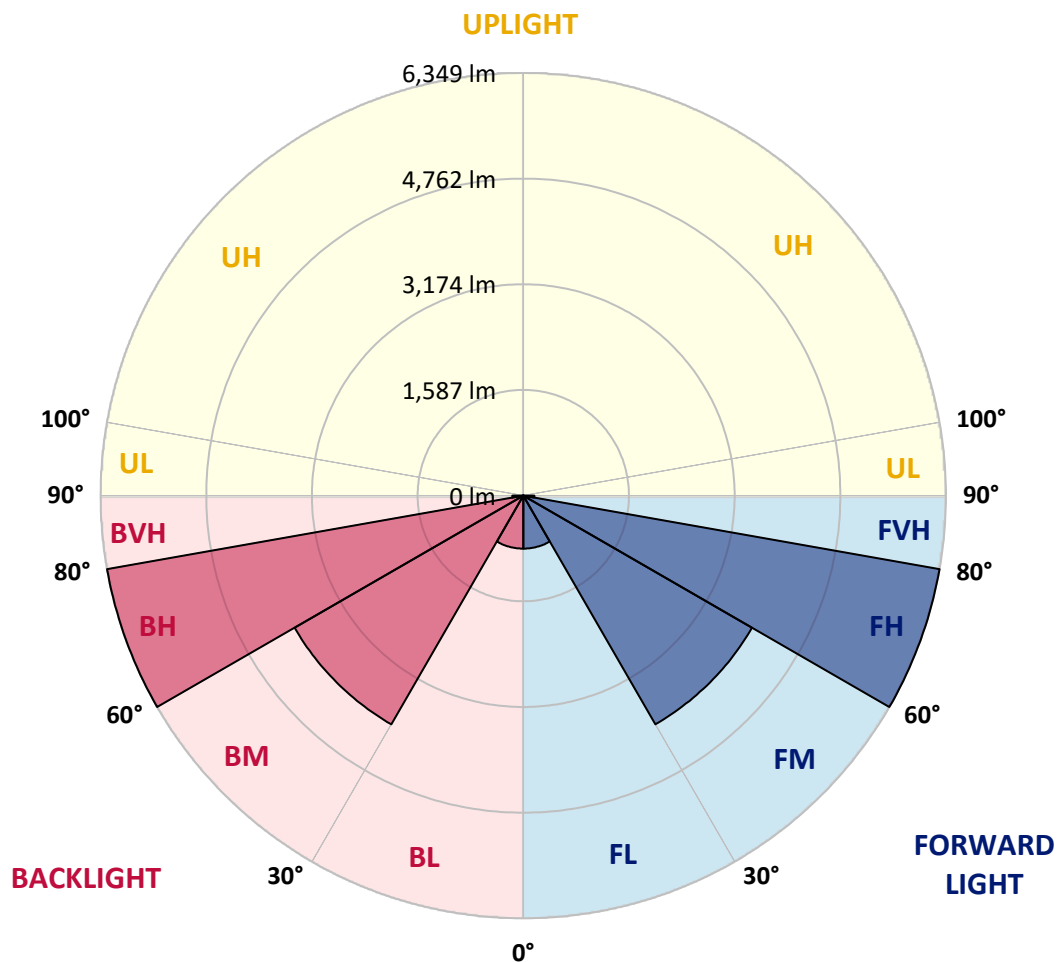
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	796.0	3.5			
FM	(30°-60°)	3966.0	17.6			
FH	(60°-80°)	6348.9	28.1			G3/7500
FVH	(80°-90°)	166.0	0.7			G2/225
BL	(0°-30°)	796.0	3.5	B2/1000		
BM	(30°-60°)	3966.0	17.6	B3/5000		
BH	(60°-80°)	6348.9	28.1	B5		G3/7500
BVH	(80°-90°)	166.0	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1909.5	1909.5	1909.5	1909.5	1909.5	1909.5	1909.5	1909.5	1909.5	1909.5	1909.5
2.5°	1904.7	1905.9	1905.9	1903.5	1902.3	1902.3	1901.1	1901.1	1904.7	1905.9	1907.1
5°	1888.0	1888.0	1888.0	1886.8	1884.5	1884.5	1882.1	1882.1	1883.3	1886.8	1884.5
7.5°	1865.4	1867.8	1867.8	1863.0	1859.4	1859.4	1858.3	1859.4	1860.6	1864.2	1863.0
10°	1858.3	1859.4	1853.5	1845.1	1839.2	1835.6	1836.8	1839.2	1845.1	1847.5	1848.7
12.5°	1863.0	1863.0	1852.3	1840.4	1829.7	1824.9	1823.7	1832.0	1842.8	1849.9	1852.3
15°	1869.0	1866.6	1853.5	1838.0	1827.3	1826.1	1824.9	1830.9	1846.3	1860.6	1861.8
17.5°	1872.5	1871.4	1854.7	1835.6	1829.7	1829.7	1828.5	1833.2	1849.9	1867.8	1869.0
20°	1884.5	1880.9	1861.8	1841.6	1836.8	1839.2	1835.6	1841.6	1859.4	1880.9	1885.6
22.5°	1908.3	1904.7	1885.6	1865.4	1863.0	1863.0	1861.8	1867.8	1886.8	1909.5	1913.0
25°	1936.9	1933.3	1915.4	1901.1	1903.5	1908.3	1905.9	1907.1	1922.6	1941.6	1947.6
27.5°	1975.0	1969.0	1953.5	1941.6	1948.8	1948.8	1948.8	1947.6	1957.1	1975.0	1980.9
30°	2021.4	2019.1	2002.4	2001.2	2007.1	2001.2	2001.2	2002.4	2003.6	2020.3	2026.2
32.5°	2082.2	2077.4	2069.1	2066.7	2083.4	2088.2	2071.5	2056.0	2064.3	2081.0	2084.6
35°	2182.3	2175.1	2163.2	2150.1	2163.2	2185.8	2150.1	2138.2	2159.6	2182.3	2184.6
37.5°	2318.0	2314.5	2295.4	2271.6	2270.4	2294.2	2257.3	2256.1	2296.6	2324.0	2327.6
40°	2488.4	2492.0	2468.1	2445.5	2433.6	2452.7	2424.1	2434.8	2474.1	2505.1	2502.7
42.5°	2727.8	2714.7	2677.8	2656.3	2643.2	2636.1	2628.9	2645.6	2689.7	2723.1	2749.3
45°	3007.7	3003.0	2956.5	2930.3	2901.7	2891.0	2888.6	2918.4	2972.0	3012.5	3016.1
47.5°	3324.6	3313.9	3284.1	3256.7	3246.0	3232.9	3221.0	3243.6	3297.2	3325.8	3334.1
50°	3651.0	3653.4	3653.4	3648.6	3659.3	3661.7	3629.5	3637.9	3667.7	3665.3	3662.9
52.5°	4023.8	4036.9	4098.9	4104.8	4156.1	4190.6	4132.2	4097.7	4087.0	4022.6	4027.4
55°	4462.2	4474.1	4567.0	4659.9	4798.1	4856.5	4733.8	4626.6	4550.3	4452.7	4457.4
57.5°	5008.9	5014.9	5103.0	5281.7	5500.9	5637.9	5422.3	5210.3	5055.4	4962.5	4925.6
60°	5597.4	5603.3	5732.0	5950.0	6290.7	6457.4	6190.6	5844.0	5648.6	5506.9	5516.4
62.5°	6303.8	6327.6	6443.1	6743.3	7156.6	7343.7	6989.9	6526.5	6262.1	6085.8	6092.9
65°	7060.2	7100.7	7226.9	7556.9	7938.1	8139.4	7705.8	7170.9	6842.2	6626.6	6649.2
67.5°	7550.9	7586.7	7768.9	8133.4	8608.7	8775.5	8215.6	7592.6	7181.7	6924.4	6876.7
70°	7425.9	7455.6	7698.6	8215.6	8919.6	9130.4	8337.1	7530.7	7047.1	6750.5	6731.4
72.5°	6555.1	6493.2	6848.1	7590.2	8564.6	8918.4	7954.7	6877.9	6269.2	5964.3	5928.5
75°	4344.3	4478.9	5003.0	5877.3	7246.0	7684.3	6789.8	5522.3	4756.4	4502.7	4463.4
77.5°	1452.1	1555.7	2021.4	3331.7	4939.9	5598.6	4947.0	3611.7	2555.1	2058.4	2067.9
80°	384.8	380.0	492.0	916.0	2134.6	3242.4	2484.8	1223.3	669.4	484.8	459.8
82.5°	138.2	154.9	198.9	253.7	565.8	1007.7	711.1	343.1	251.3	185.8	179.9
85°	60.8	59.6	85.8	101.3	141.8	188.2	166.8	145.3	127.5	84.6	78.6
87.5°	13.1	13.1	20.3	15.5	25.0	25.0	31.0	36.9	38.1	25.0	20.3
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)