

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: P383076

Luminaire Tested: **GLEON-SA4B-735-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA4B-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22618.9 lumens  
Efficiency: N/A  
Efficacy: 132.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

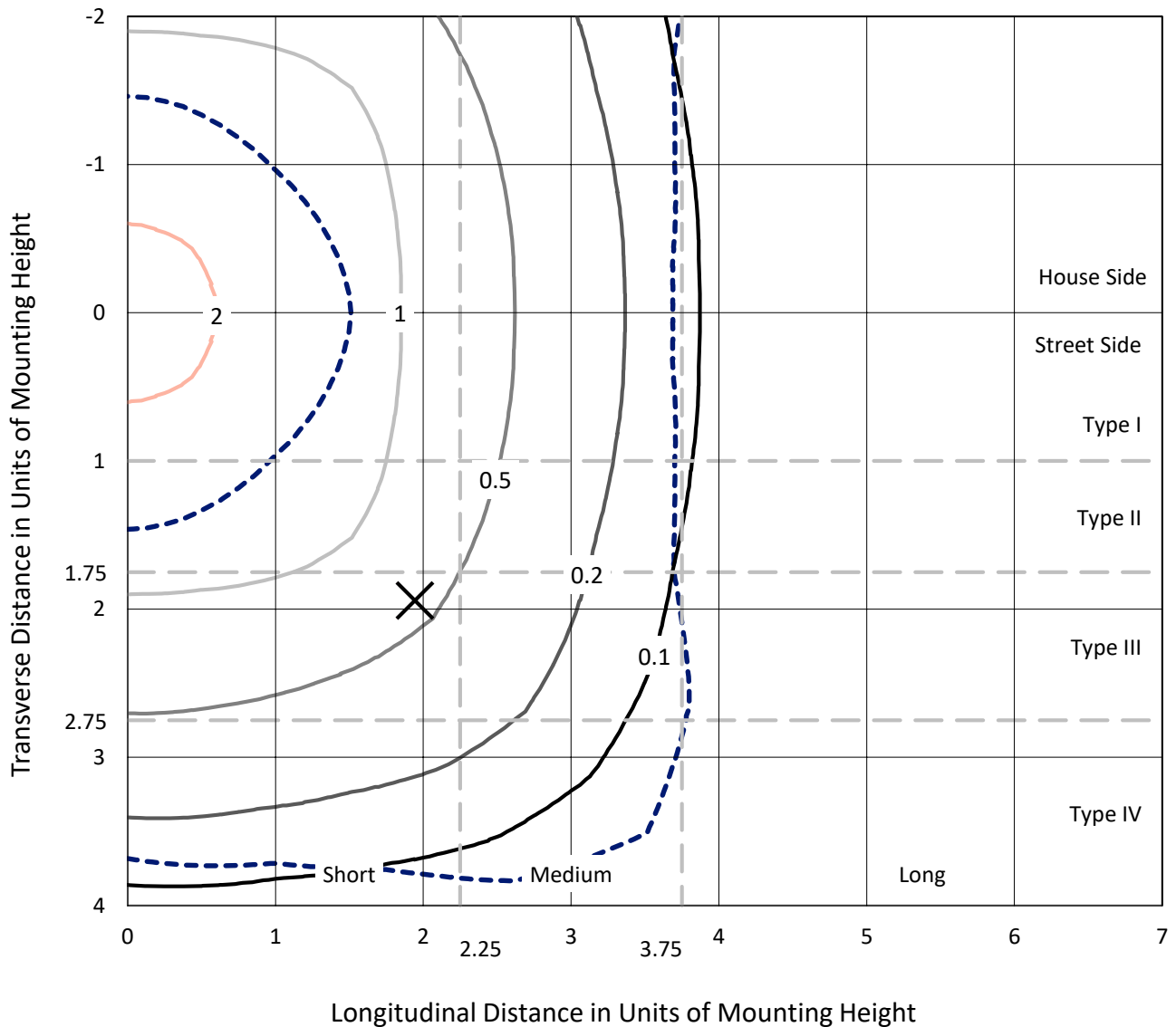
Input Watts (W): 171  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

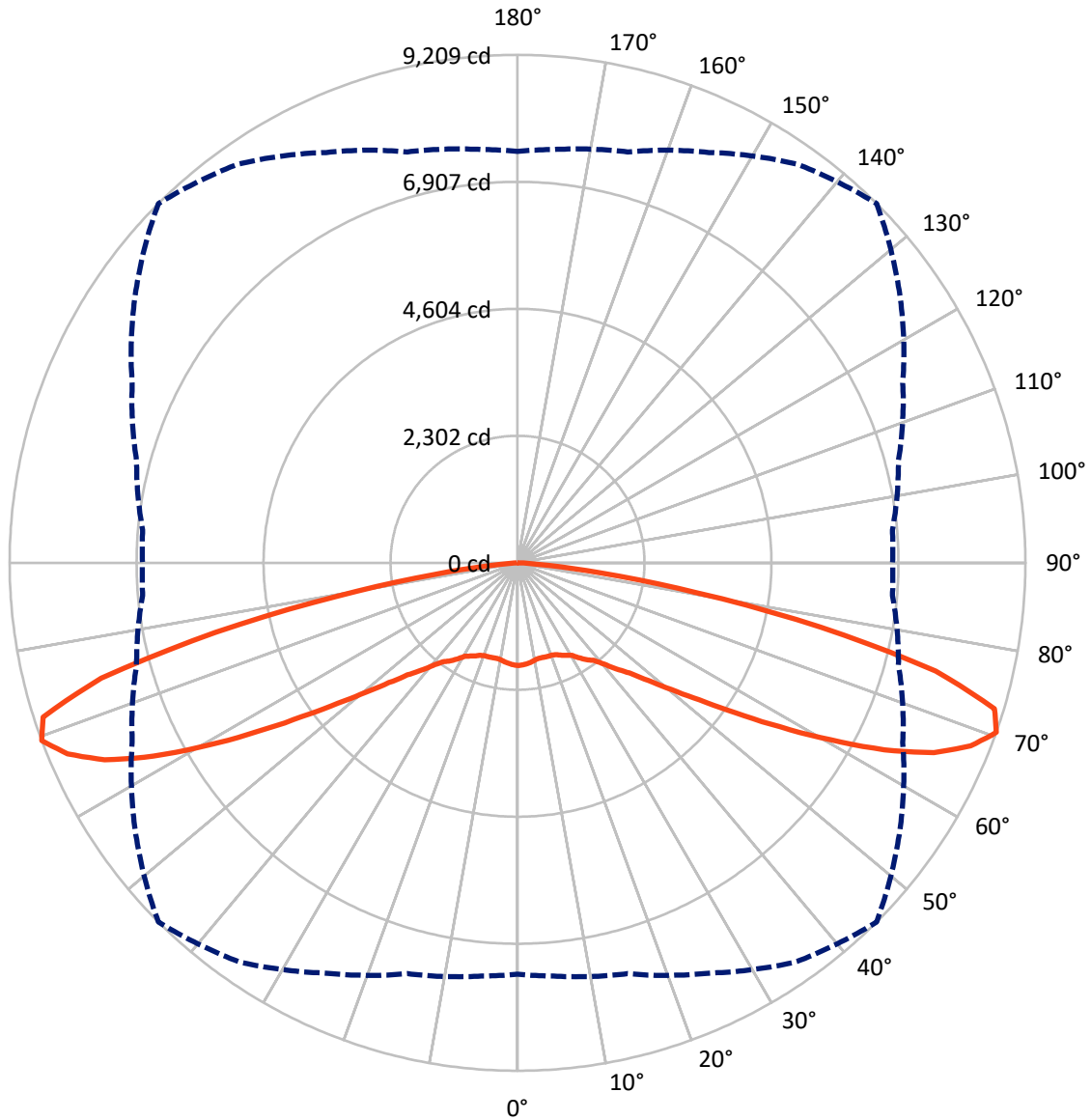
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11309.4	0.0	11309.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11309.4	0.0	11309.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22618.9	0.0	22618.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.7	0.8
10°-20°	507.5	2.2
20°-30°	865.3	3.8
30°-40°	1352.0	6.0
40°-50°	2291.4	10.1
50°-60°	4178.5	18.5
60°-70°	7193.6	31.8
70°-80°	5638.6	24.9
80°-90°	418.1	1.8
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°	22618.9	100.0
0°-180°	22618.9	100.0

**Coefficient of Utilization**



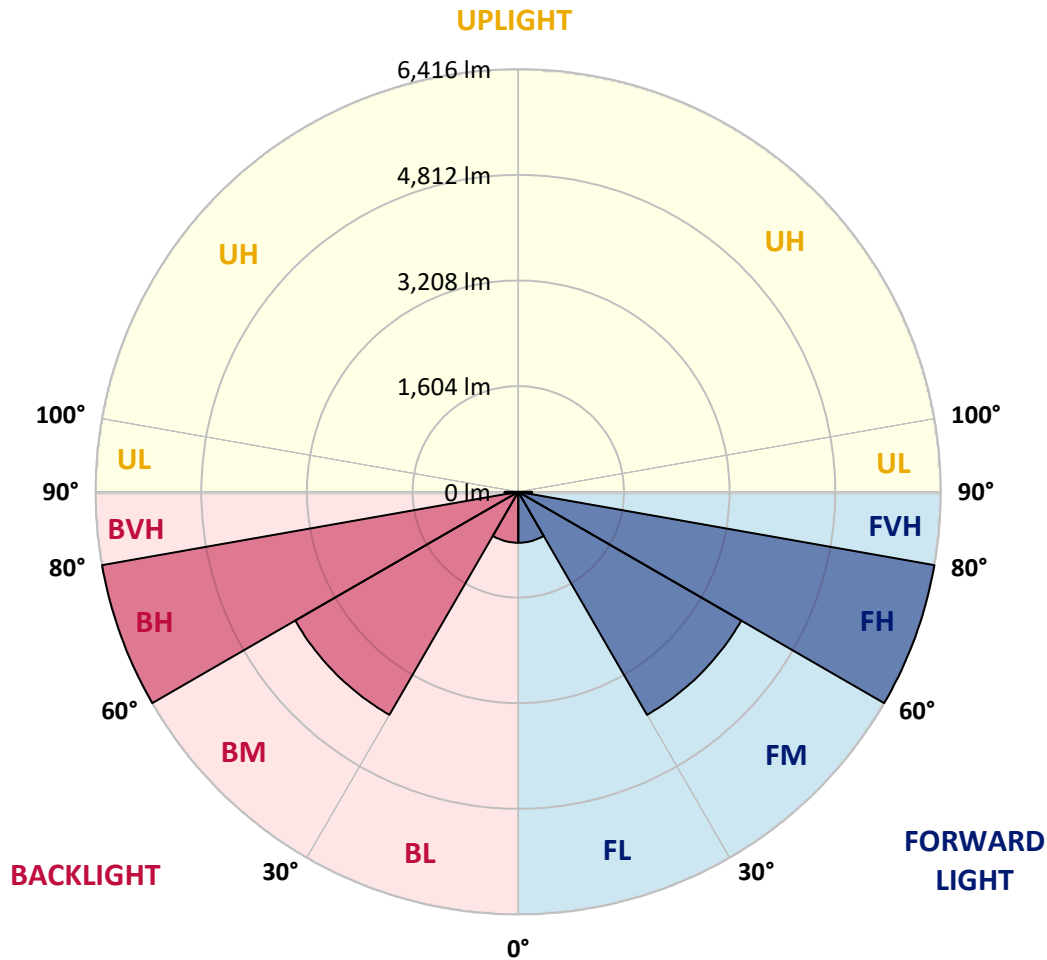
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	773.3	3.4			
FM (30°-60°)	3911.0	17.3			
FH (60°-80°)	6416.1	28.4			G3/7500
FVH (80°-90°)	209.0	0.9			G2/225
BL (0°-30°)	773.3	3.4	B2/1000		
BM (30°-60°)	3911.0	17.3	B3/5000		
BH (60°-80°)	6416.1	28.4	B5		G3/7500
BVH (80°-90°)	209.0	0.9			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°	1861.5	1861.5	1861.5	1861.5	1861.5	1861.5	1861.5	1861.5	1861.5	1861.5	1861.5
2.5°	1853.3	1855.5	1853.3	1854.8	1851.1	1852.6	1852.6	1852.6	1851.8	1852.6	1851.1
5°	1836.8	1838.3	1835.3	1836.8	1834.6	1836.8	1837.6	1836.8	1835.3	1836.1	1833.1
7.5°	1812.1	1813.6	1811.4	1813.6	1810.6	1814.4	1813.6	1811.4	1809.2	1809.2	1806.2
10°	1798.7	1799.5	1793.4	1791.2	1784.5	1786.0	1788.2	1790.4	1792.7	1797.2	1796.5
12.5°	1799.5	1799.5	1790.4	1780.7	1771.0	1773.3	1777.0	1785.2	1794.2	1802.5	1803.2
15°	1806.9	1806.2	1792.7	1777.0	1770.2	1777.0	1779.3	1784.5	1798.7	1812.9	1813.6
17.5°	1812.1	1812.1	1791.2	1773.3	1772.5	1783.0	1782.2	1784.5	1800.2	1821.2	1821.9
20°	1821.9	1821.9	1794.9	1775.5	1775.5	1786.7	1787.5	1791.2	1806.9	1830.1	1833.8
22.5°	1843.6	1844.4	1815.9	1800.2	1801.7	1808.4	1810.6	1816.6	1830.9	1856.3	1860.8
25°	1874.3	1875.8	1846.6	1837.6	1842.8	1855.5	1854.1	1858.5	1874.3	1899.0	1903.4
27.5°	1916.9	1913.1	1886.2	1882.5	1887.7	1896.7	1896.0	1896.7	1909.4	1931.8	1937.2
30°	1972.3	1970.8	1951.3	1953.5	1951.3	1948.3	1949.1	1955.0	1961.8	1979.7	1985.0
32.5°	2026.1	2027.6	2015.7	2026.9	2043.3	2054.6	2037.4	2020.9	2013.4	2023.1	2027.6
35°	2123.4	2127.2	2108.5	2100.9	2123.4	2156.3	2107.7	2080.8	2095.7	2108.5	2112.2
37.5°	2288.7	2291.0	2259.6	2229.7	2213.2	2244.7	2196.0	2198.3	2250.6	2274.6	2273.8
40°	2477.4	2478.1	2457.1	2431.0	2402.5	2410.0	2390.5	2396.5	2431.0	2452.6	2458.6
42.5°	2701.8	2699.5	2666.6	2629.2	2621.0	2628.5	2595.6	2591.0	2630.7	2669.6	2670.4
45°	2992.8	2987.6	2944.9	2903.8	2864.1	2847.6	2839.5	2861.2	2915.7	2951.7	2952.4
47.5°	3306.3	3292.1	3269.6	3236.8	3202.3	3185.9	3172.4	3182.9	3222.5	3236.8	3238.2
50°	3628.8	3631.8	3636.3	3623.5	3610.9	3605.6	3570.4	3550.2	3562.2	3536.1	3532.2
52.5°	4011.2	4017.1	4060.5	4097.2	4118.8	4130.1	4063.5	3993.9	3955.0	3904.1	3889.2
55°	4462.3	4472.0	4535.6	4637.4	4742.1	4797.5	4677.0	4546.9	4426.4	4331.4	4300.7
57.5°	4965.1	4982.3	5069.9	5265.1	5479.8	5610.8	5407.3	5170.8	4938.1	4801.3	4777.3
60°	5554.7	5571.1	5692.3	5972.2	6320.1	6516.9	6208.6	5821.8	5532.3	5401.3	5357.1
62.5°	6256.6	6258.0	6406.9	6733.9	7193.2	7467.1	7049.6	6532.6	6234.1	6076.2	6033.5
65°	7011.5	7015.2	7169.3	7522.4	7997.6	8295.3	7824.0	7285.3	6920.2	6687.5	6654.5
67.5°	7544.9	7560.6	7723.0	8148.0	8592.4	8861.0	8373.2	7764.2	7342.2	7064.6	7036.9
70°	7459.6	7520.9	7711.7	8207.9	8825.9	9208.9	8462.2	7707.3	7150.7	6822.9	6799.7
72.5°	6505.6	6623.1	6877.5	7528.5	8516.9	9044.3	7976.7	6903.0	6272.9	5993.9	5952.0
75°	4430.2	4620.9	5004.7	5943.7	7276.3	7830.8	6715.2	5503.8	4911.2	4525.2	4496.8
77.5°	1975.3	2018.7	2505.0	3586.2	5021.2	5623.6	4879.1	3600.3	2702.5	2155.6	2040.4
80°	550.6	557.4	743.7	1335.6	2513.2	3304.1	2698.0	1402.9	788.6	555.9	523.7
82.5°	175.0	190.0	232.0	346.4	844.7	1507.6	867.2	374.1	266.3	212.5	191.5
85°	85.3	84.6	117.5	140.7	215.5	333.7	229.7	173.5	151.8	101.0	91.3
87.5°	36.0	36.7	54.6	49.4	62.9	53.8	74.1	77.8	81.5	44.9	38.9
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)