

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: P316288

Luminaire Tested: **GLEON-SA4C-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316288
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-SA4C-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22092 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

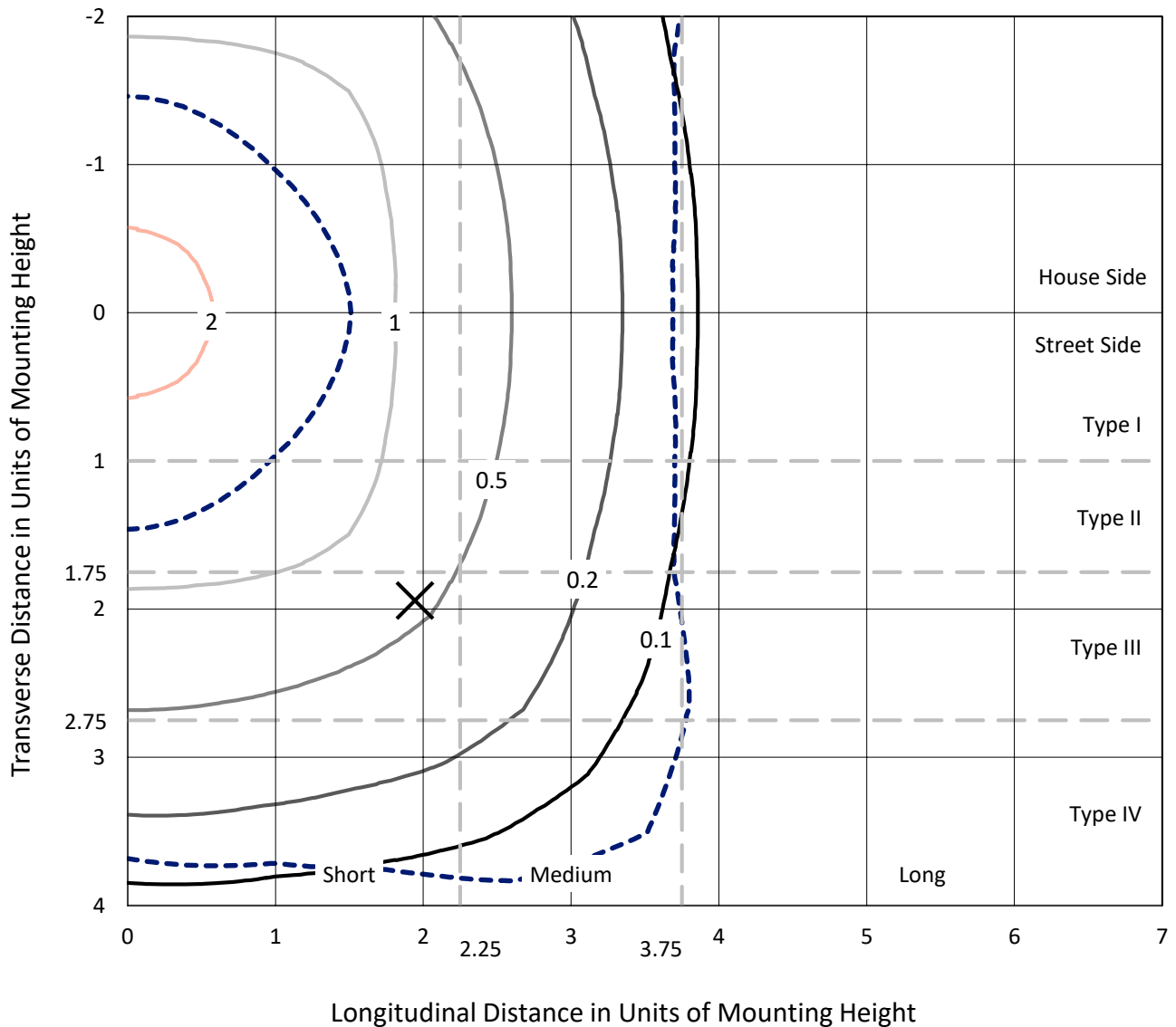
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

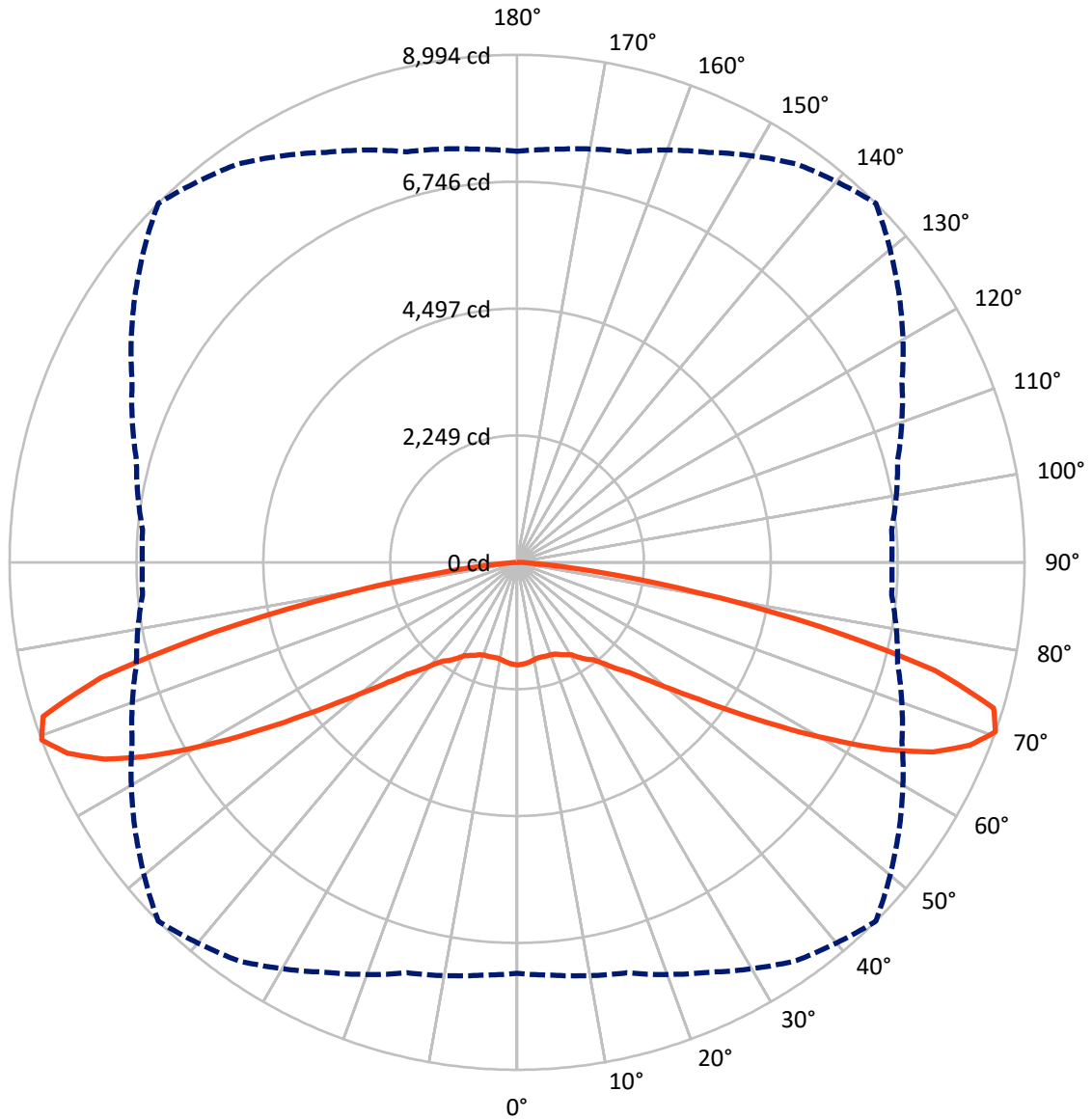
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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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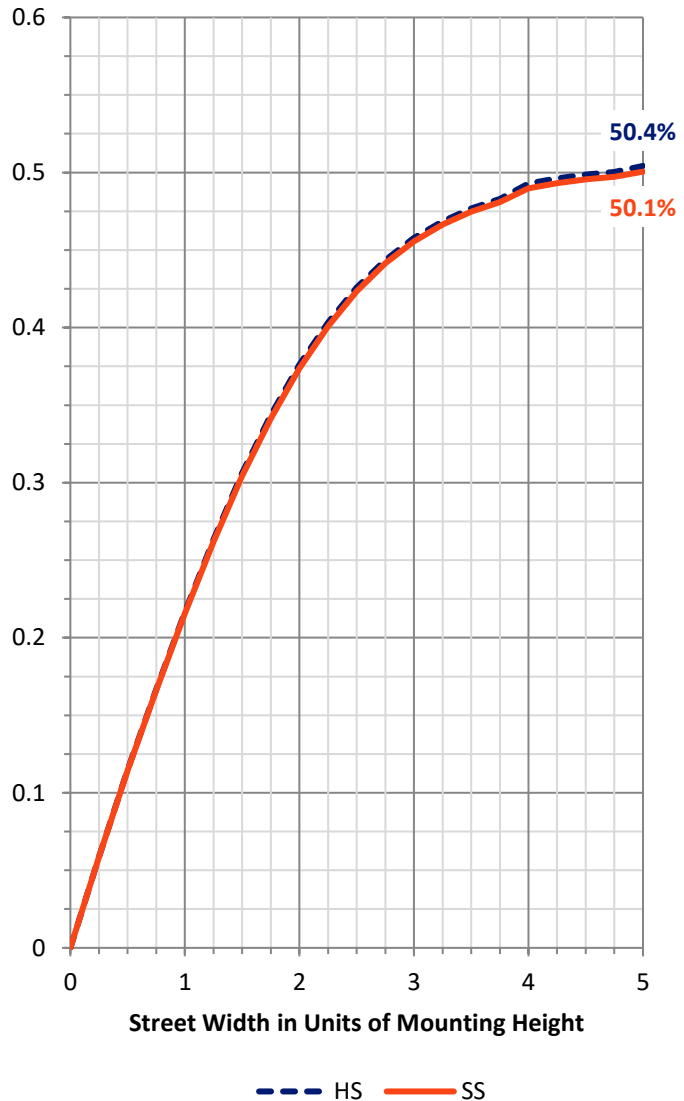
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11046.0	0.0	11046.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11046.0	0.0	11046.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22092.0	0.0	22092.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.7	0.8
10°-20°	495.7	2.2
20°-30°	845.1	3.8
30°-40°	1320.5	6.0
40°-50°	2238.0	10.1
50°-60°	4081.2	18.5
60°-70°	7026.1	31.8
70°-80°	5507.3	24.9
80°-90°	408.4	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°	22092.0	100.0
0°-180°	22092.0	100.0

Coefficient of Utilization

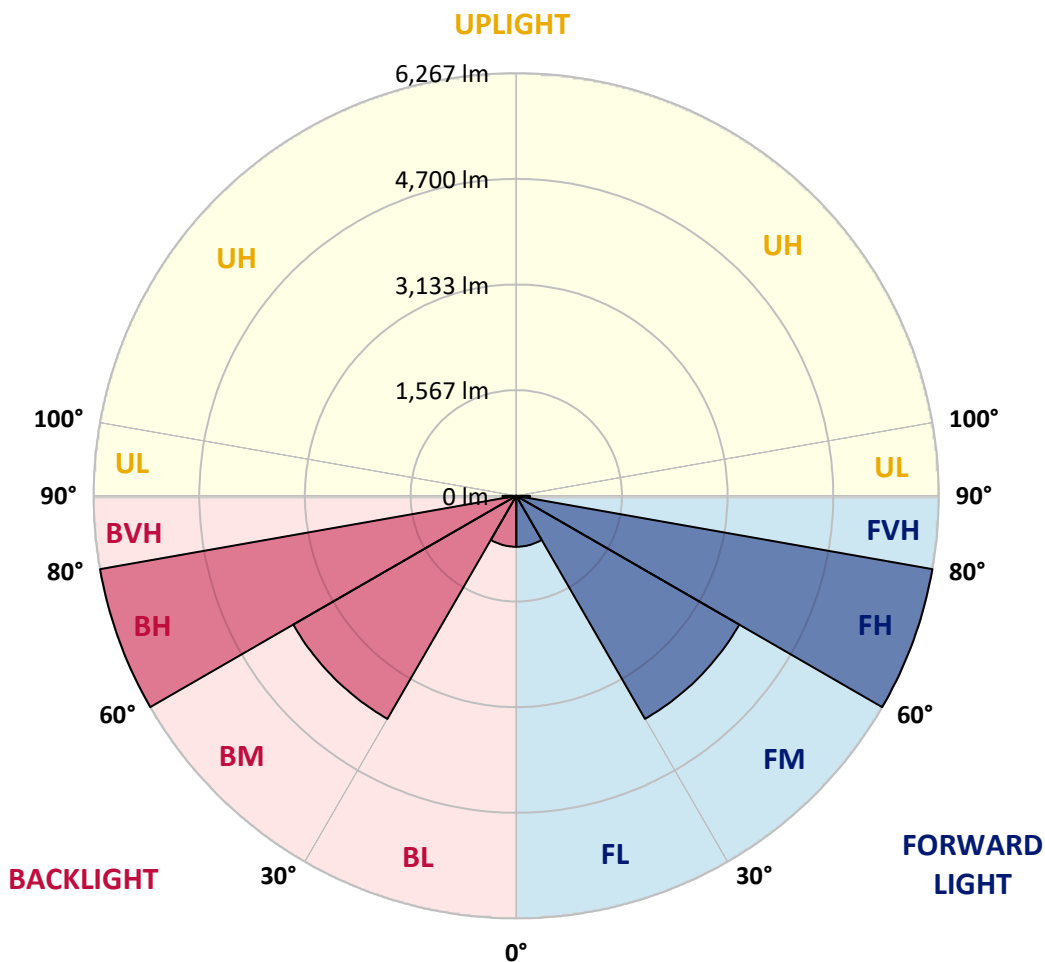


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	755.3	3.4			
FM (30°-60°)	3819.9	17.3			
FH (60°-80°)	6266.7	28.4			G3/7500
FVH (80°-90°)	204.2	0.9			G2/225
BL (0°-30°)	755.3	3.4	B2/1000		
BM (30°-60°)	3819.9	17.3	B3/5000		
BH (60°-80°)	6266.7	28.4	B5		G3/7500
BVH (80°-90°)	204.2	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°	1818.2	1818.2	1818.2	1818.2	1818.2	1818.2	1818.2	1818.2	1818.2	1818.2	1818.2
2.5°	1810.1	1812.3	1810.1	1811.6	1807.9	1809.4	1809.4	1809.4	1808.7	1809.4	1807.9
5°	1794.1	1795.5	1792.6	1794.1	1791.9	1794.1	1794.8	1794.1	1792.6	1793.3	1790.4
7.5°	1769.9	1771.4	1769.2	1771.4	1768.5	1772.1	1771.4	1769.2	1767.0	1767.0	1764.1
10°	1756.8	1757.5	1751.7	1749.5	1742.9	1744.4	1746.6	1748.8	1750.9	1755.3	1754.6
12.5°	1757.5	1757.5	1748.8	1739.3	1729.8	1731.9	1735.6	1743.6	1752.4	1760.4	1761.2
15°	1764.8	1764.1	1750.9	1735.6	1729.0	1735.6	1737.8	1742.9	1756.8	1770.7	1771.4
17.5°	1769.9	1769.9	1749.5	1731.9	1731.2	1741.4	1740.7	1742.9	1758.3	1778.7	1779.4
20°	1779.4	1779.4	1753.1	1734.1	1734.1	1745.1	1745.8	1749.5	1764.8	1787.5	1791.1
22.5°	1800.6	1801.4	1773.6	1758.3	1759.7	1766.3	1768.5	1774.3	1788.2	1813.1	1817.4
25°	1830.6	1832.1	1803.6	1794.8	1799.9	1812.3	1810.9	1815.3	1830.6	1854.7	1859.1
27.5°	1872.3	1868.6	1842.3	1838.6	1843.8	1852.5	1851.8	1852.5	1864.9	1886.9	1892.0
30°	1926.3	1924.9	1905.9	1908.1	1905.9	1902.9	1903.7	1909.5	1916.1	1933.6	1938.8
32.5°	1978.9	1980.4	1968.7	1979.7	1995.8	2006.7	1989.9	1973.8	1966.5	1976.0	1980.4
35°	2073.9	2077.6	2059.3	2052.0	2073.9	2106.1	2058.6	2032.3	2046.9	2059.3	2063.0
37.5°	2235.4	2237.6	2206.9	2177.7	2161.6	2192.3	2144.8	2147.0	2198.2	2221.6	2220.8
40°	2419.6	2420.3	2399.9	2374.3	2346.5	2353.8	2334.8	2340.7	2374.3	2395.5	2401.3
42.5°	2638.8	2636.6	2604.5	2568.0	2559.9	2567.2	2535.1	2530.7	2569.4	2607.4	2608.1
45°	2923.1	2918.0	2876.3	2836.1	2797.4	2781.3	2773.3	2794.5	2847.8	2882.9	2883.6
47.5°	3229.3	3215.4	3193.5	3161.3	3127.7	3111.7	3098.5	3108.7	3147.5	3161.3	3162.8
50°	3544.3	3547.2	3551.6	3539.2	3526.7	3521.6	3487.3	3467.5	3479.2	3453.7	3450.0
52.5°	3917.7	3923.5	3965.9	4001.7	4022.9	4033.9	3968.9	3900.9	3862.9	3813.2	3798.6
55°	4358.4	4367.9	4430.0	4529.4	4631.7	4685.7	4568.1	4440.9	4323.3	4230.5	4200.5
57.5°	4849.4	4866.2	4951.7	5142.5	5352.2	5480.1	5281.3	5050.4	4823.1	4689.4	4666.0
60°	5425.3	5441.4	5559.8	5833.1	6172.9	6365.1	6064.0	5686.2	5403.4	5275.5	5232.4
62.5°	6110.8	6112.2	6257.6	6577.0	7025.7	7293.2	6885.4	6380.4	6088.8	5934.6	5893.0
65°	6848.1	6851.8	7002.3	7347.2	7811.3	8102.1	7641.7	7115.6	6759.0	6531.7	6499.5
67.5°	7369.2	7384.5	7543.1	7958.2	8392.2	8654.6	8178.1	7583.3	7171.1	6900.0	6873.0
70°	7285.9	7345.8	7532.1	8016.6	8620.3	8994.4	8265.1	7527.7	6984.0	6664.0	6641.3
72.5°	6354.1	6468.8	6717.3	7353.1	8318.4	8833.6	7790.8	6742.2	6126.8	5854.3	5813.3
75°	4326.9	4513.3	4888.2	5805.3	7106.8	7648.3	6558.7	5375.6	4796.8	4419.7	4392.0
77.5°	1929.3	1971.6	2446.6	3502.6	4904.2	5492.5	4765.4	3516.5	2639.6	2105.4	1992.8
80°	537.9	544.4	726.4	1304.4	2454.7	3227.1	2635.2	1370.2	770.2	543.0	511.5
82.5°	171.0	185.6	226.5	338.4	825.0	1472.5	847.0	365.4	260.2	207.5	187.1
85°	83.3	82.6	114.7	137.4	210.5	325.9	224.3	169.5	148.3	98.7	89.2
87.5°	35.1	35.8	53.3	48.2	61.4	52.6	72.3	76.0	79.7	43.8	38.0
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)