

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: P316270

Luminaire Tested: **GLEON-SA6A-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316270
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-SA6A-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 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: 21582 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

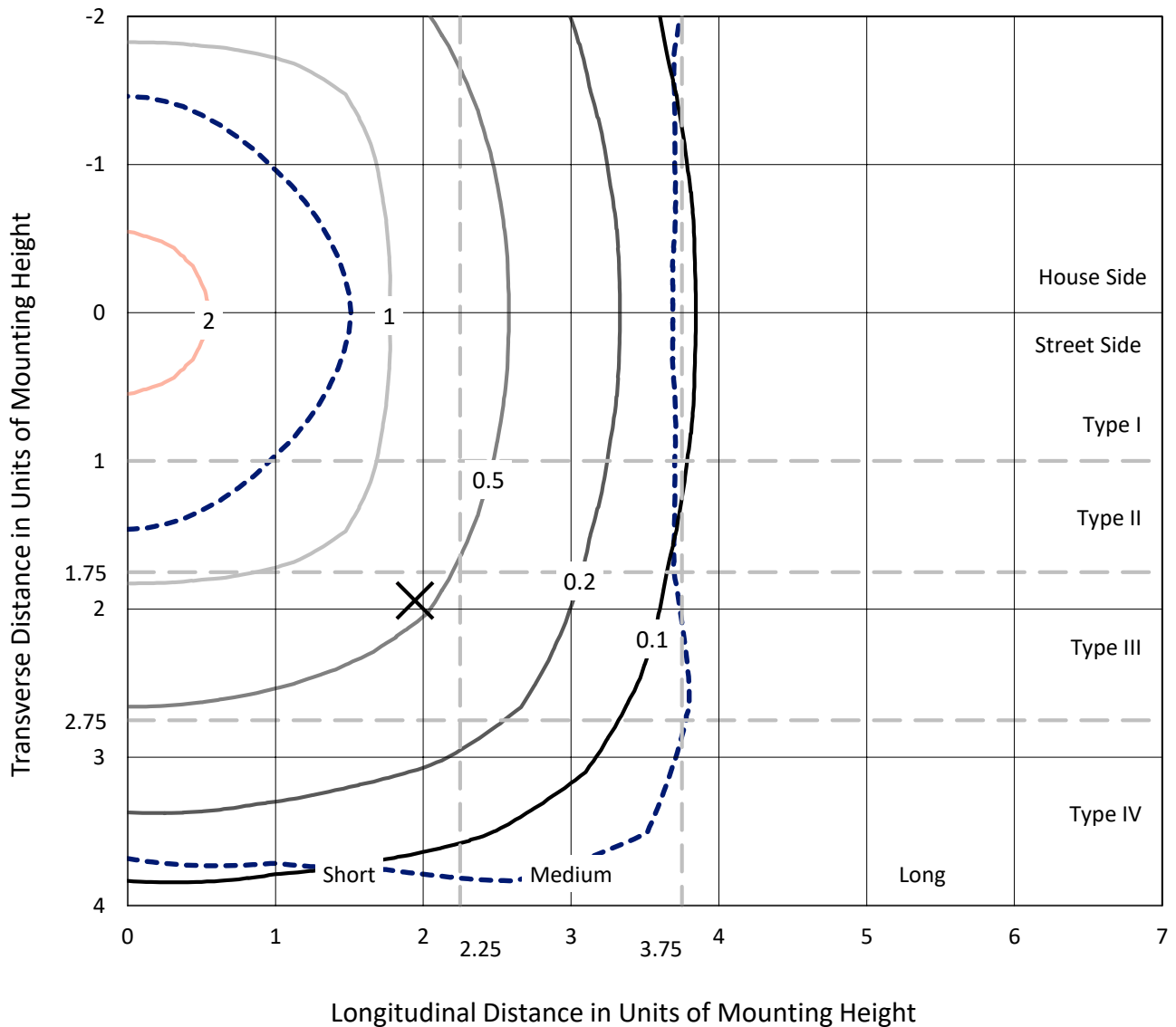
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

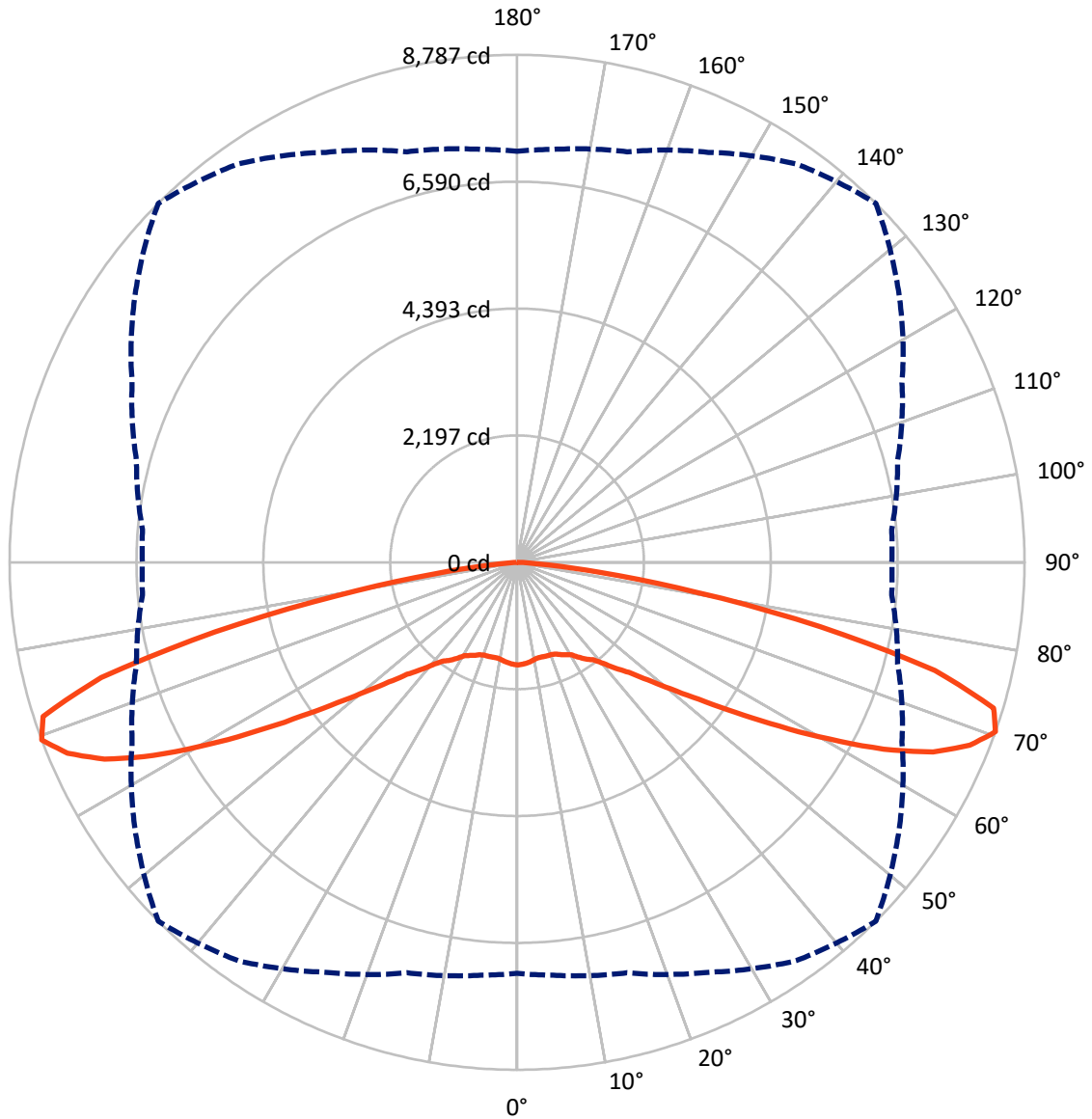
✕ Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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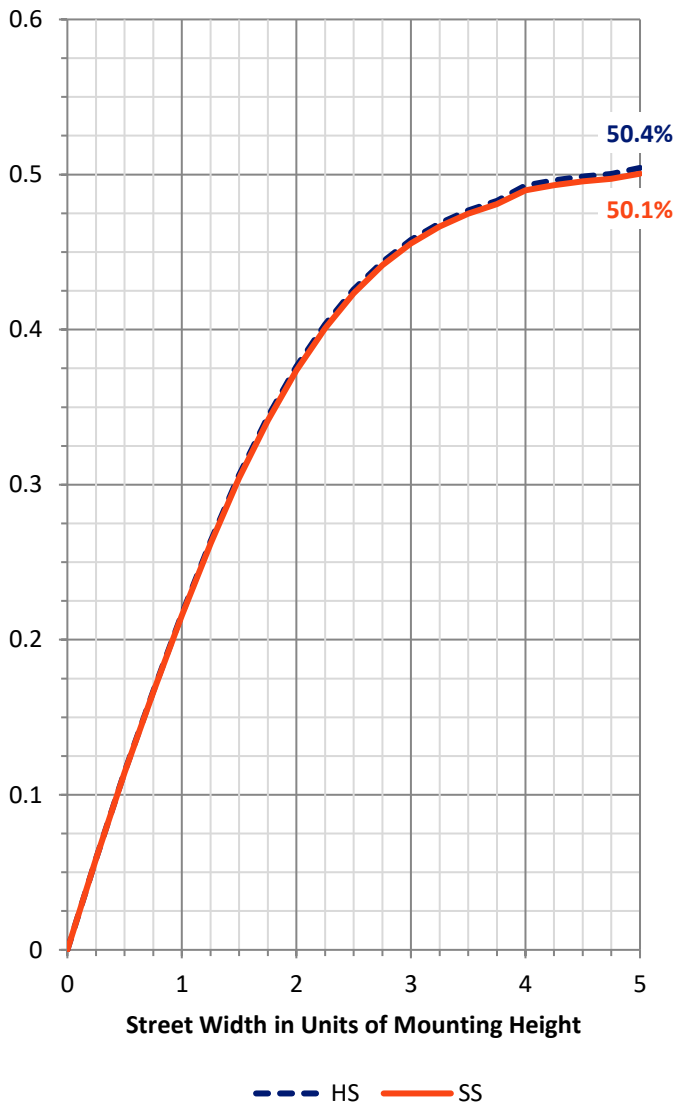
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10791.0	0.0	10791.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10791.0	0.0	10791.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21582.0	0.0	21582.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.8	0.8
10°-20°	484.2	2.2
20°-30°	825.6	3.8
30°-40°	1290.1	6.0
40°-50°	2186.4	10.1
50°-60°	3987.0	18.5
60°-70°	6863.9	31.8
70°-80°	5380.2	24.9
80°-90°	398.9	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°	21582.0	100.0
0°-180°	21582.0	100.0



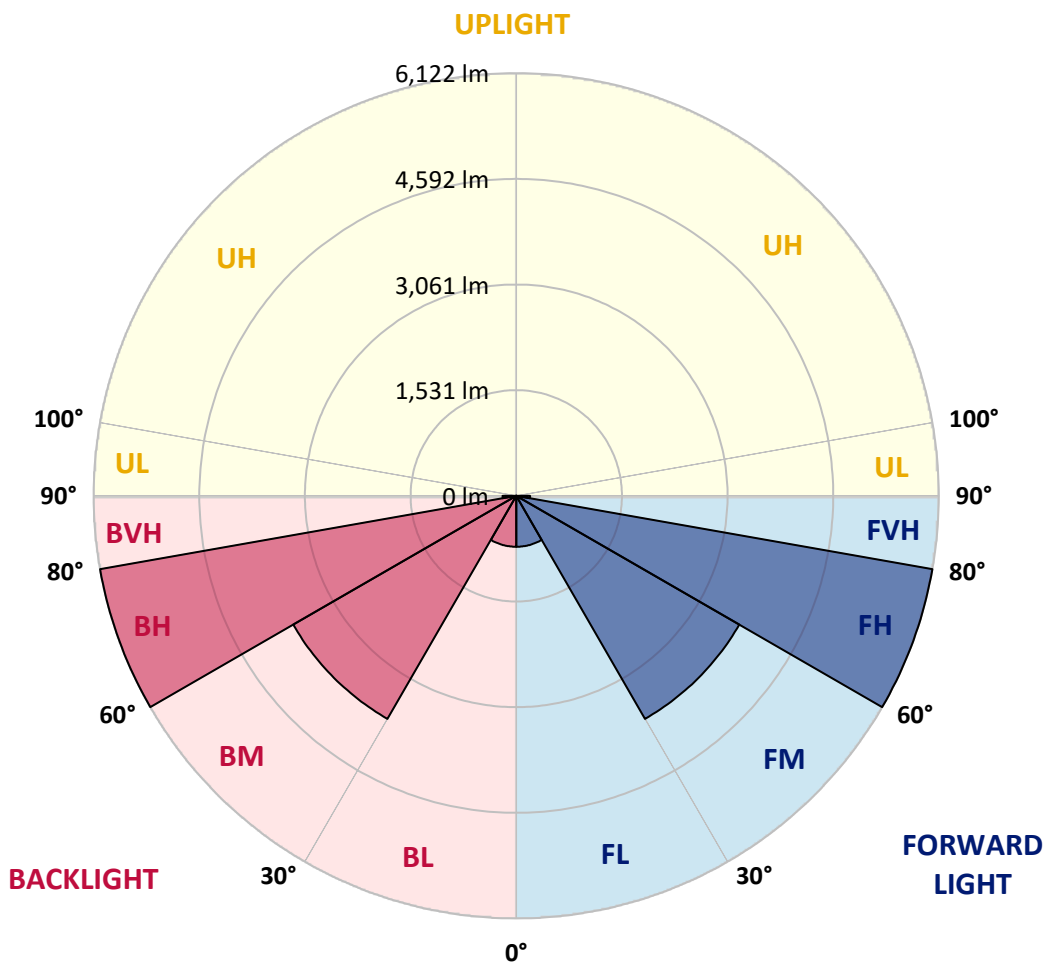
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	737.8	3.4			
FM (30°-60°)	3731.7	17.3			
FH (60°-80°)	6122.0	28.4			G3/7500
FVH (80°-90°)	199.5	0.9			G2/225
BL (0°-30°)	737.8	3.4	B2/1000		
BM (30°-60°)	3731.7	17.3	B3/5000		
BH (60°-80°)	6122.0	28.4	B5		G3/7500
BVH (80°-90°)	199.5	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°	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2	1776.2
2.5°	1768.3	1770.5	1768.3	1769.8	1766.2	1767.6	1767.6	1767.6	1766.9	1767.6	1766.2
5°	1752.6	1754.1	1751.2	1752.6	1750.5	1752.6	1753.4	1752.6	1751.2	1751.9	1749.1
7.5°	1729.1	1730.5	1728.4	1730.5	1727.7	1731.2	1730.5	1728.4	1726.2	1726.2	1723.4
10°	1716.2	1716.9	1711.2	1709.1	1702.7	1704.1	1706.2	1708.4	1710.5	1714.8	1714.1
12.5°	1716.9	1716.9	1708.4	1699.1	1689.8	1692.0	1695.5	1703.4	1711.9	1719.8	1720.5
15°	1724.1	1723.4	1710.5	1695.5	1689.1	1695.5	1697.7	1702.7	1716.2	1729.8	1730.5
17.5°	1729.1	1729.1	1709.1	1692.0	1691.2	1701.2	1700.5	1702.7	1717.7	1737.7	1738.4
20°	1738.4	1738.4	1712.7	1694.1	1694.1	1704.8	1705.5	1709.1	1724.1	1746.2	1749.8
22.5°	1759.1	1759.8	1732.7	1717.7	1719.1	1725.5	1727.7	1733.4	1746.9	1771.2	1775.5
25°	1788.3	1789.8	1761.9	1753.4	1758.4	1770.5	1769.1	1773.3	1788.3	1811.9	1816.2
27.5°	1829.0	1825.5	1799.8	1796.2	1801.2	1809.8	1809.0	1809.8	1821.9	1843.3	1848.3
30°	1881.9	1880.4	1861.9	1864.0	1861.9	1859.0	1859.7	1865.4	1871.9	1889.0	1894.0
32.5°	1933.3	1934.7	1923.3	1934.0	1949.7	1960.4	1944.0	1928.3	1921.1	1930.4	1934.7
35°	2026.1	2029.6	2011.8	2004.7	2026.1	2057.5	2011.1	1985.4	1999.7	2011.8	2015.4
37.5°	2183.8	2186.0	2156.0	2127.4	2111.7	2141.7	2095.3	2097.5	2147.4	2170.3	2169.6
40°	2363.7	2364.5	2344.5	2319.5	2292.4	2299.5	2280.9	2286.6	2319.5	2340.2	2345.9
42.5°	2577.9	2575.8	2544.4	2508.7	2500.8	2508.0	2476.5	2472.3	2510.1	2547.2	2547.9
45°	2855.6	2850.6	2809.9	2770.7	2732.8	2717.1	2709.3	2730.0	2782.1	2816.4	2817.1
47.5°	3154.8	3141.2	3119.8	3088.4	3055.5	3039.8	3027.0	3037.0	3074.8	3088.4	3089.8
50°	3462.5	3465.3	3469.6	3457.5	3445.3	3440.3	3406.8	3387.5	3398.9	3373.9	3370.4
52.5°	3827.3	3833.0	3874.4	3909.4	3930.1	3940.8	3877.2	3810.8	3773.7	3725.2	3710.9
55°	4257.7	4267.0	4327.7	4424.8	4524.7	4577.6	4462.6	4338.4	4223.5	4132.8	4103.5
57.5°	4737.5	4753.9	4837.4	5023.8	5228.7	5353.6	5159.4	4933.8	4711.8	4581.1	4558.3
60°	5300.0	5315.8	5431.4	5698.4	6030.4	6218.1	5924.0	5554.9	5278.6	5153.7	5111.6
62.5°	5969.7	5971.1	6113.2	6425.2	6863.5	7124.8	6726.4	6233.1	5948.3	5797.6	5756.9
65°	6690.0	6693.6	6840.7	7177.6	7631.0	7915.1	7465.3	6951.3	6602.9	6380.9	6349.5
67.5°	7199.0	7214.0	7369.0	7774.5	8198.5	8454.8	7989.3	7408.2	7005.6	6740.7	6714.3
70°	7117.7	7176.2	7358.2	7831.6	8421.3	8786.8	8074.3	7354.0	6822.8	6510.1	6488.0
72.5°	6207.4	6319.5	6562.2	7183.3	8126.4	8629.7	7611.0	6586.5	5985.4	5719.1	5679.1
75°	4227.0	4409.1	4775.3	5671.3	6942.7	7471.8	6407.3	5251.5	4686.1	4317.7	4290.6
77.5°	1884.7	1926.1	2390.2	3421.8	4791.0	5365.7	4655.4	3435.3	2578.6	2056.8	1946.8
80°	525.4	531.9	709.6	1274.3	2398.0	3152.6	2574.4	1338.6	752.5	530.4	499.7
82.5°	167.1	181.3	221.3	330.5	806.0	1438.5	827.4	357.0	254.2	202.7	182.8
85°	81.4	80.7	112.1	134.2	205.6	318.4	219.2	165.6	144.9	96.4	87.1
87.5°	34.3	35.0	52.1	47.1	60.0	51.4	70.7	74.2	77.8	42.8	37.1
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)