

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: P383160

Luminaire Tested: **GLEON-SA5A-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383160
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-SA5A-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 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: 22853.7 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

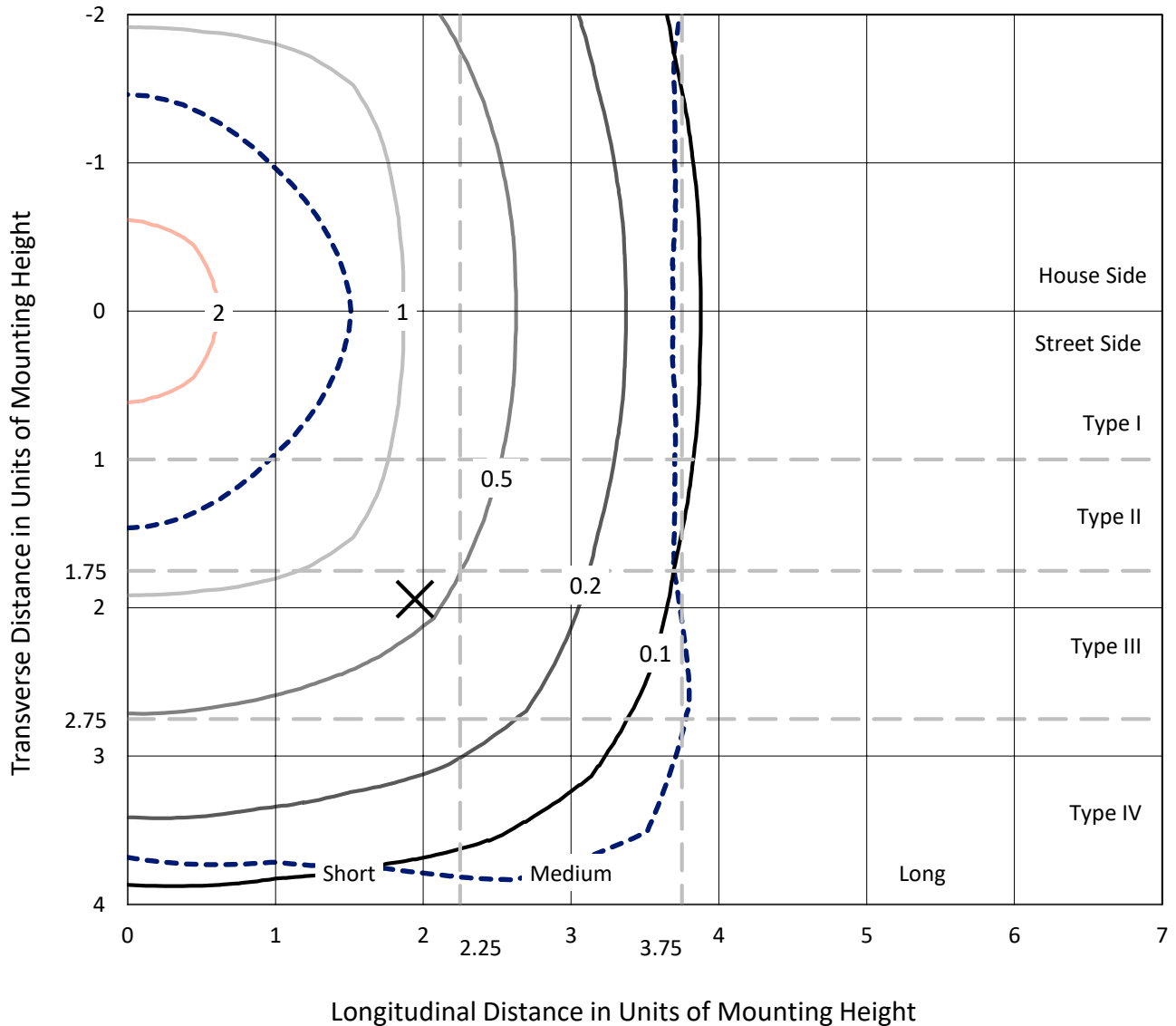
Input Watts (W): 162
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

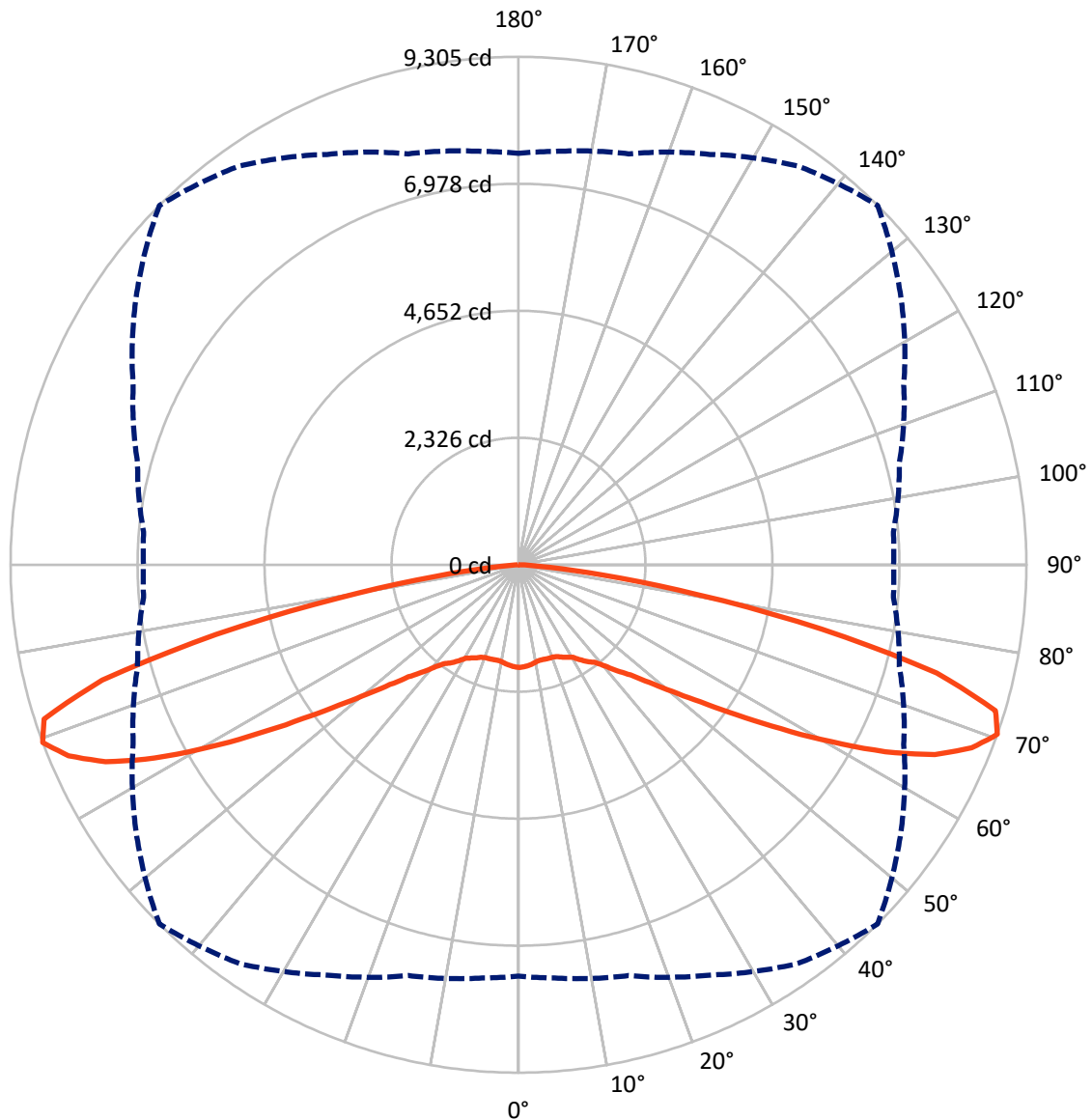
✕ Max cd
 - - - 1/2 Max cd



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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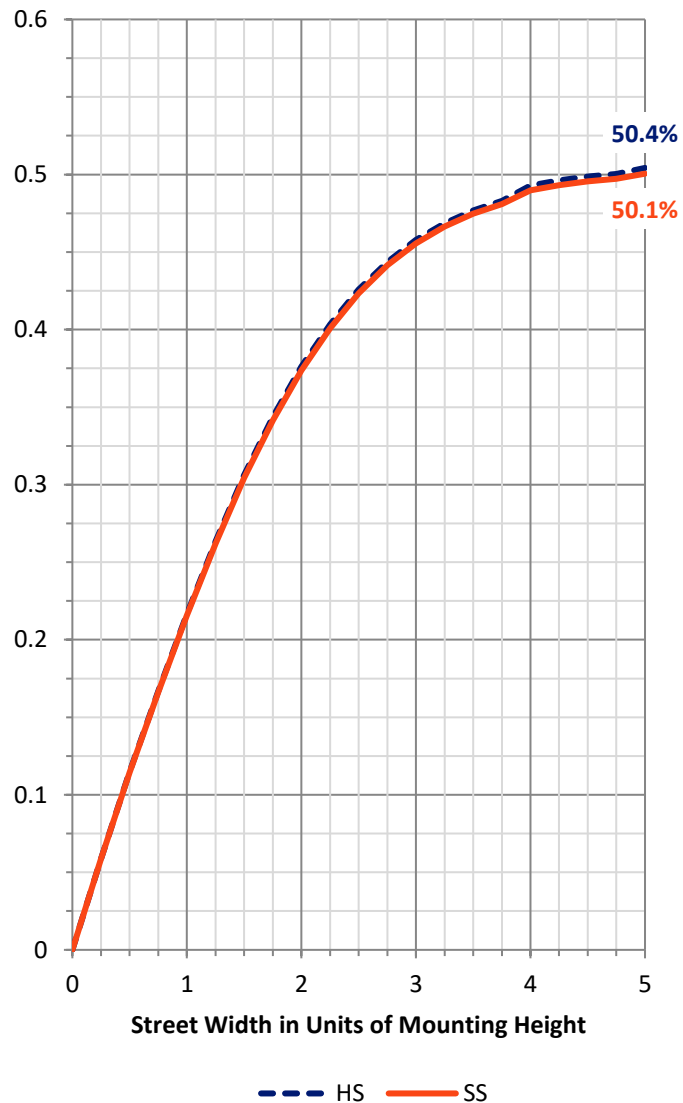
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11426.8	0.0	11426.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11426.8	0.0	11426.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	22853.7	0.0	22853.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.5	0.8
10°-20°	512.8	2.2
20°-30°	874.3	3.8
30°-40°	1366.1	6.0
40°-50°	2315.2	10.1
50°-60°	4221.9	18.5
60°-70°	7268.3	31.8
70°-80°	5697.2	24.9
80°-90°	422.4	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°	22853.7	100.0
0°-180°	22853.7	100.0

Coefficient of Utilization

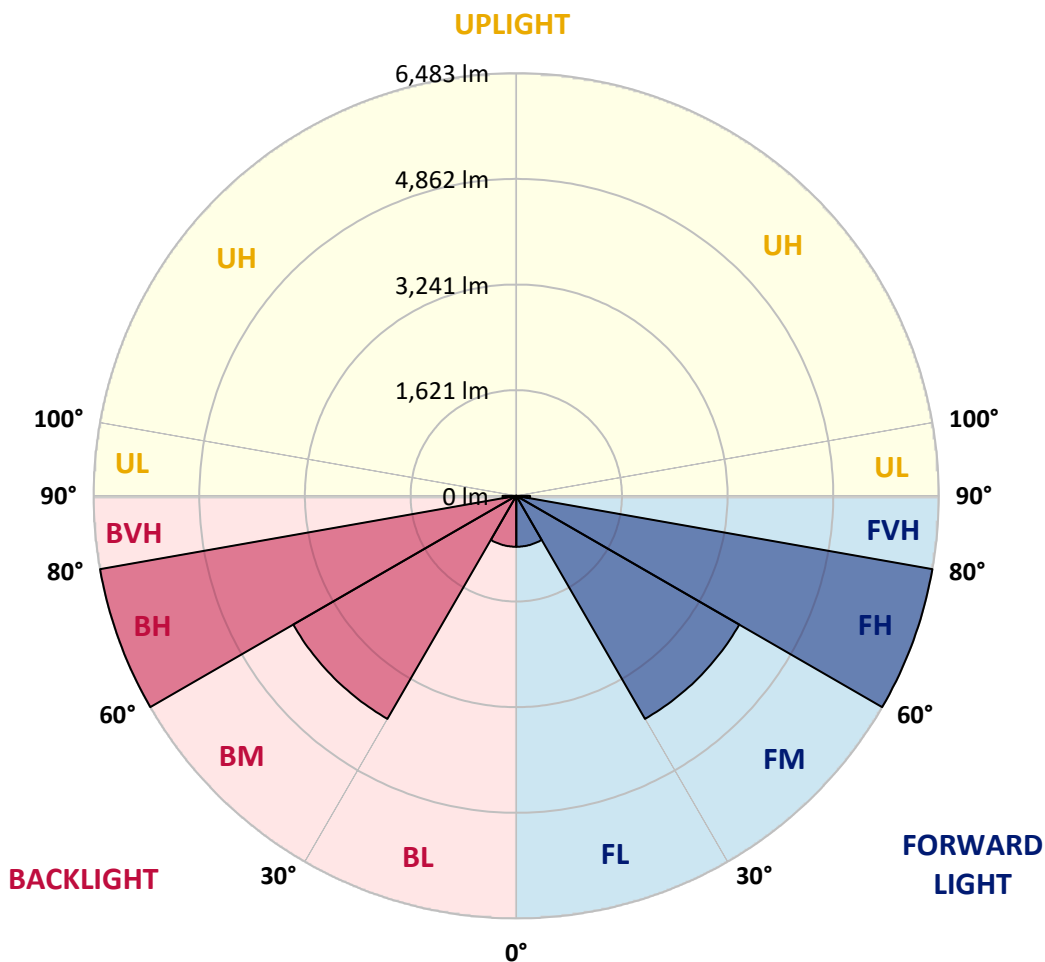


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	781.3	3.4			
FM (30°-60°)	3951.6	17.3			
FH (60°-80°)	6482.7	28.4			G3/7500
FVH (80°-90°)	211.2	0.9			G2/225
BL (0°-30°)	781.3	3.4	B2/1000		
BM (30°-60°)	3951.6	17.3	B3/5000		
BH (60°-80°)	6482.7	28.4	B5		G3/7500
BVH (80°-90°)	211.2	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°	1880.9	1880.9	1880.9	1880.9	1880.9	1880.9	1880.9	1880.9	1880.9	1880.9	1880.9
2.5°	1872.5	1874.8	1872.5	1874.1	1870.3	1871.8	1871.8	1871.8	1871.0	1871.8	1870.3
5°	1855.9	1857.4	1854.4	1855.9	1853.7	1855.9	1856.7	1855.9	1854.4	1855.2	1852.1
7.5°	1831.0	1832.4	1830.2	1832.4	1829.5	1833.2	1832.4	1830.2	1828.0	1828.0	1824.9
10°	1817.4	1818.1	1812.0	1809.8	1803.0	1804.5	1806.7	1809.1	1811.3	1815.9	1815.1
12.5°	1818.1	1818.1	1809.1	1799.2	1789.4	1791.6	1795.5	1803.8	1812.8	1821.2	1821.9
15°	1825.6	1824.9	1811.3	1795.5	1788.7	1795.5	1797.7	1803.0	1817.4	1831.7	1832.4
17.5°	1831.0	1831.0	1809.8	1791.6	1790.9	1801.5	1800.7	1803.0	1818.8	1840.0	1840.8
20°	1840.8	1840.8	1813.5	1793.9	1793.9	1805.2	1806.0	1809.8	1825.6	1849.1	1852.8
22.5°	1862.7	1863.5	1834.8	1818.8	1820.3	1827.2	1829.5	1835.5	1849.9	1875.6	1880.1
25°	1893.7	1895.2	1865.7	1856.7	1862.0	1874.8	1873.3	1877.8	1893.7	1918.6	1923.2
27.5°	1936.8	1933.1	1905.8	1902.0	1907.3	1916.4	1915.6	1916.4	1929.2	1952.0	1957.2
30°	1992.8	1991.3	1971.6	1973.9	1971.6	1968.5	1969.3	1975.3	1982.1	2000.3	2005.6
32.5°	2047.2	2048.7	2036.5	2047.9	2064.6	2075.9	2058.5	2041.9	2034.3	2044.2	2048.7
35°	2145.4	2149.3	2130.4	2122.8	2145.4	2178.7	2129.6	2102.3	2117.5	2130.4	2134.1
37.5°	2312.5	2314.8	2283.0	2252.8	2236.2	2267.9	2218.8	2221.1	2274.0	2298.1	2297.4
40°	2503.1	2503.8	2482.6	2456.1	2427.4	2435.0	2415.3	2421.4	2456.1	2478.1	2484.2
42.5°	2729.8	2727.6	2694.3	2656.5	2648.2	2655.7	2622.5	2617.9	2658.0	2697.3	2698.0
45°	3023.9	3018.6	2975.5	2933.9	2893.9	2877.3	2868.9	2890.9	2946.0	2982.3	2983.1
47.5°	3340.6	3326.3	3303.6	3270.3	3235.5	3219.0	3205.4	3215.9	3255.9	3270.3	3271.9
50°	3666.5	3669.5	3674.0	3661.2	3648.3	3643.0	3607.5	3587.1	3599.2	3572.8	3568.9
52.5°	4052.8	4058.8	4102.6	4139.7	4161.6	4173.0	4105.7	4035.4	3996.1	3944.6	3929.5
55°	4508.6	4518.5	4582.7	4685.5	4791.3	4847.3	4725.6	4594.0	4472.4	4376.3	4345.3
57.5°	5016.7	5034.0	5122.5	5319.8	5536.7	5669.0	5463.4	5224.5	4989.5	4851.0	4826.9
60°	5612.3	5629.0	5751.5	6034.2	6385.7	6584.6	6273.0	5882.3	5589.7	5457.4	5412.8
62.5°	6321.5	6323.0	6473.4	6803.7	7267.9	7544.6	7122.8	6600.4	6298.8	6139.3	6096.1
65°	7084.2	7088.0	7243.7	7600.6	8080.6	8381.5	7905.2	7360.9	6992.0	6756.9	6723.6
67.5°	7623.2	7639.1	7803.1	8232.6	8681.6	8953.0	8460.1	7844.7	7418.4	7137.9	7109.9
70°	7537.1	7599.0	7791.8	8293.0	8917.4	9304.5	8550.0	7787.3	7224.8	6893.7	6870.3
72.5°	6573.2	6691.9	6948.9	7606.6	8605.3	9138.2	8059.4	6974.6	6338.1	6056.1	6013.8
75°	4476.1	4668.9	5056.7	6005.4	7351.9	7912.0	6784.8	5561.0	4962.2	4572.1	4543.4
77.5°	1995.7	2039.6	2531.0	3623.3	5073.3	5681.9	4929.7	3637.7	2730.6	2178.0	2061.5
80°	556.4	563.2	751.5	1349.4	2539.3	3338.4	2726.1	1417.4	796.8	561.7	529.2
82.5°	176.9	192.0	234.4	350.0	853.5	1523.3	876.2	378.0	269.1	214.7	193.5
85°	86.2	85.4	118.7	142.2	217.7	337.1	232.0	175.4	153.4	102.1	92.2
87.5°	36.3	37.1	55.1	49.9	63.5	54.4	74.8	78.6	82.4	45.4	39.3
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)