

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: P383051

Luminaire Tested: **GLEON-SA4A-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA4A-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17899.7 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

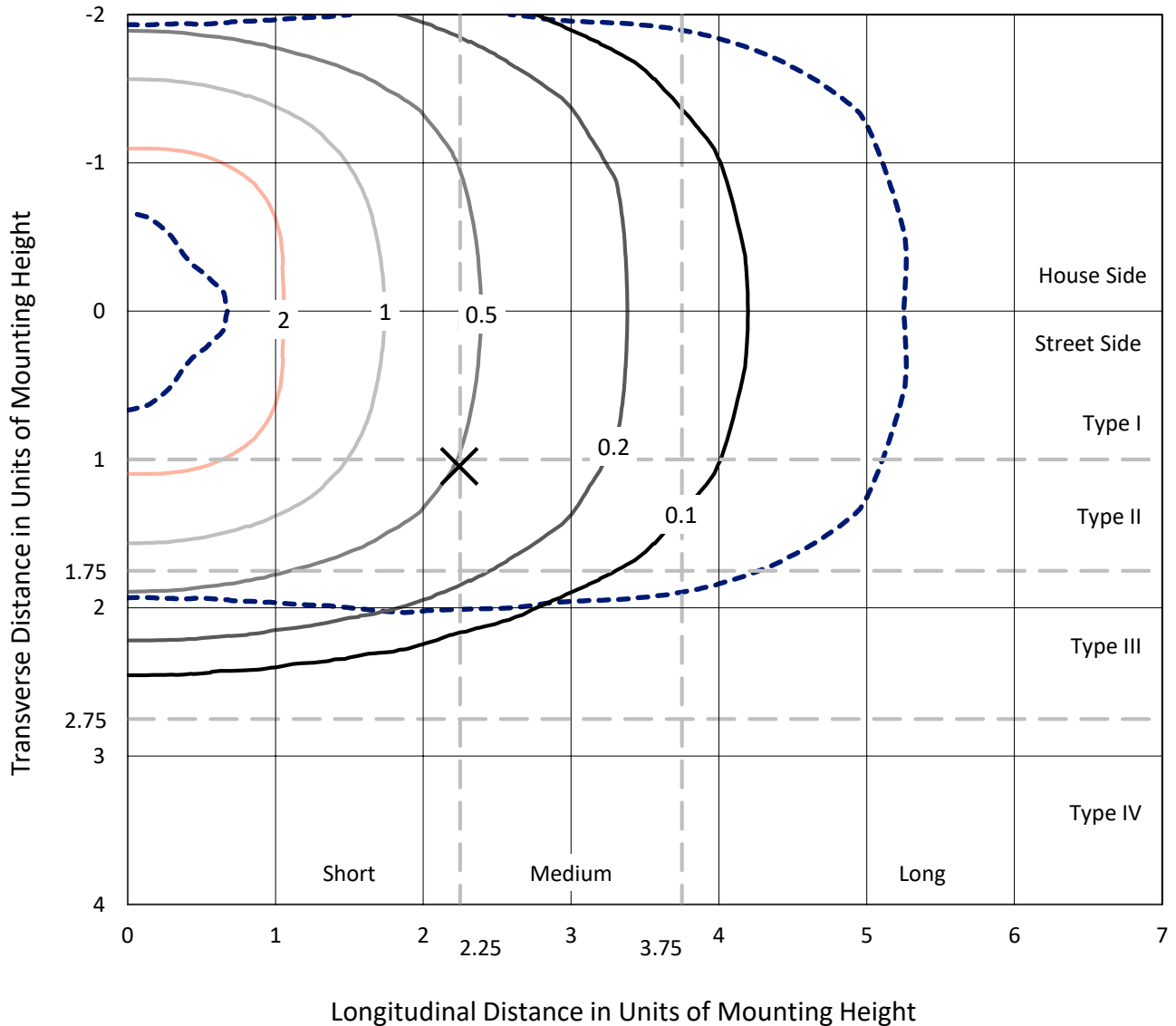
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P383051
 CATALOG NUMBER: GLEON-SA4A-735-U-RW

Iso-Footcandle Lines of Horizontal Illumination

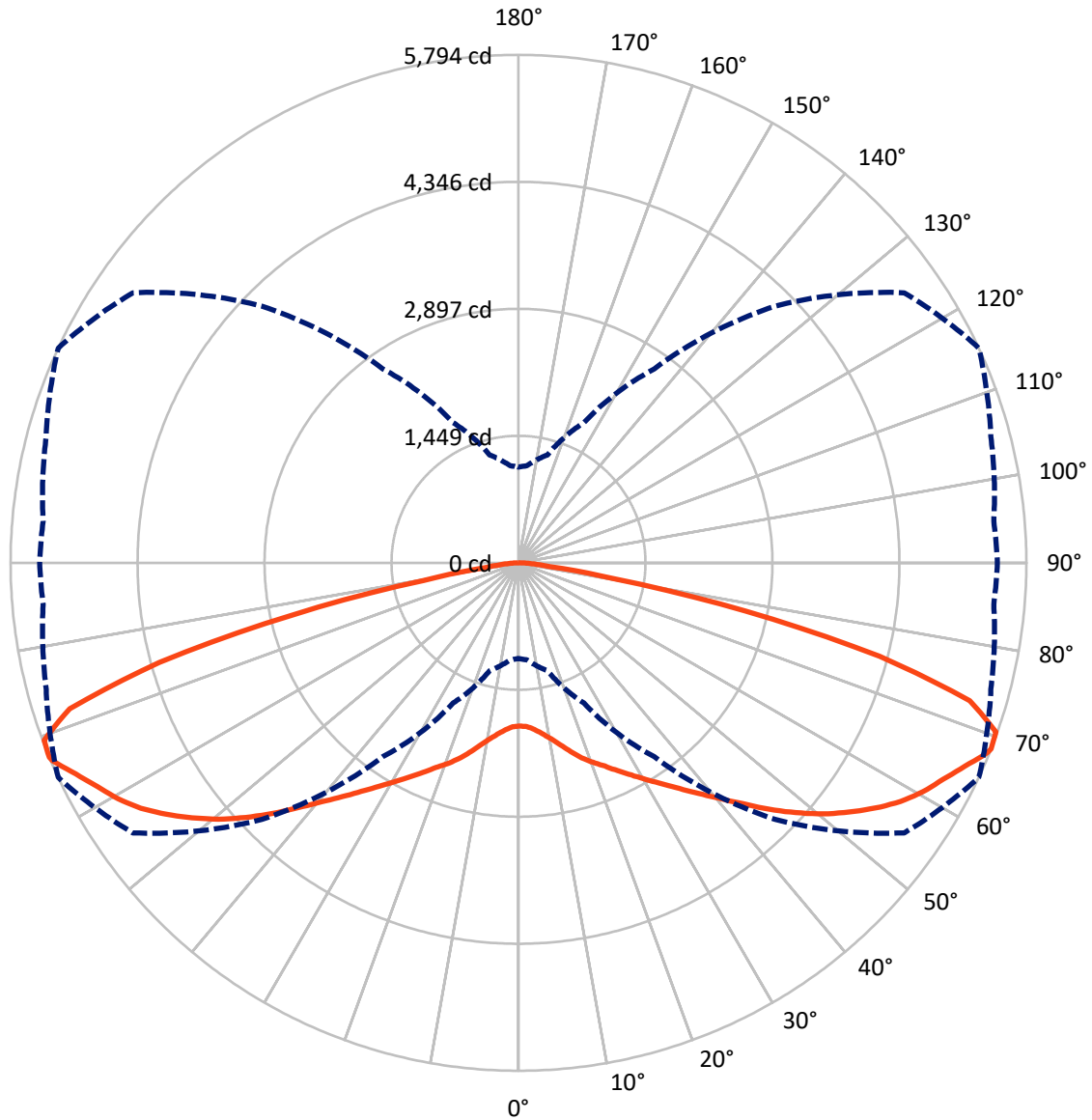
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type III - Short - N/A

REPORT NUMBER: P383051
CATALOG NUMBER: GLEON-SA4A-735-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P383051
 CATALOG NUMBER: GLEON-SA4A-735-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8949.8	0.0	8949.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8949.8	0.0	8949.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17899.7	0.0	17899.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.2	1.0
10°-20°	610.1	3.4
20°-30°	1189.6	6.6
30°-40°	1998.5	11.2
40°-50°	3148.9	17.6
50°-60°	4211.1	23.5
60°-70°	4093.7	22.9
70°-80°	2237.8	12.5
80°-90°	227.6	1.3
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°	17899.7	100.0
0°-180°	17899.7	100.0

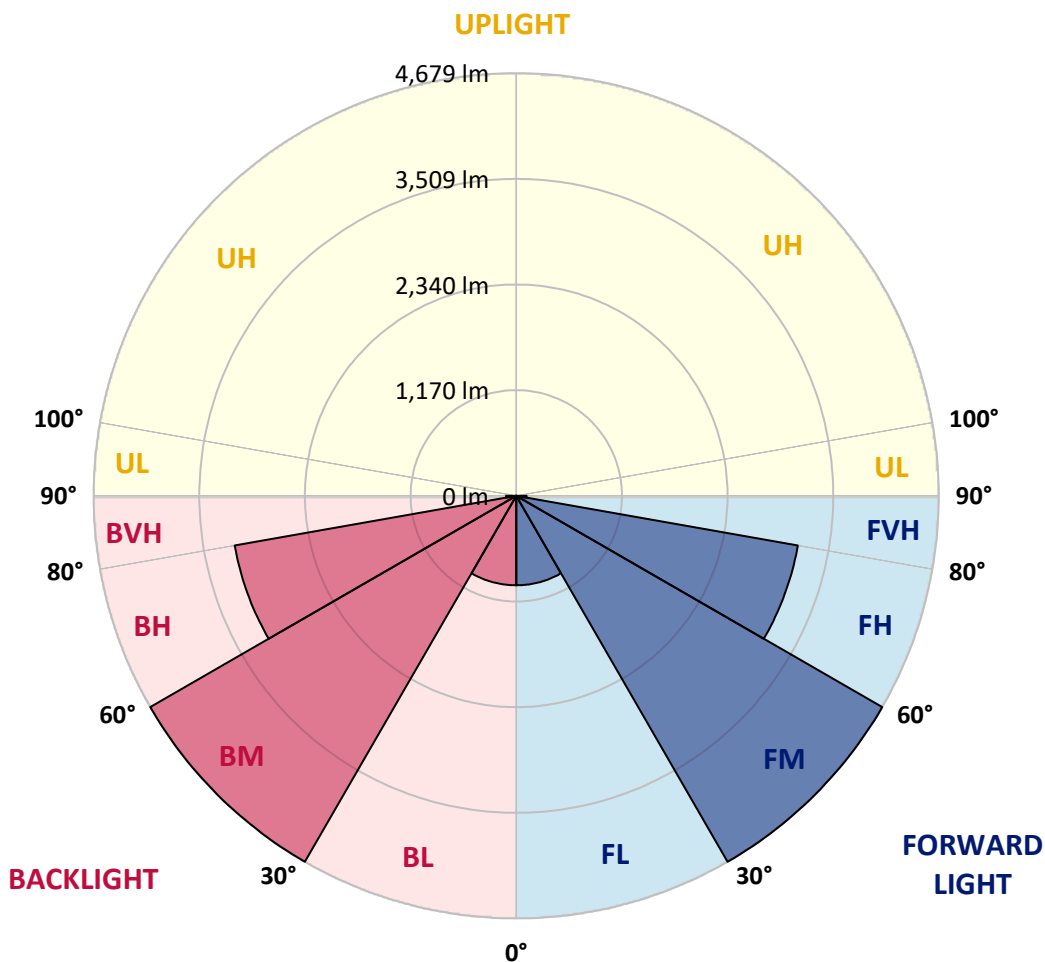


REPORT NUMBER: P383051
 CATALOG NUMBER: GLEON-SA4A-735-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	991.0	5.5			
FM (30°-60°)	4679.3	26.1			
FH (60°-80°)	3165.8	17.7			G2/5000
FVH (80°-90°)	113.8	0.6			G2/225
BL (0°-30°)	991.0	5.5	B2/1000		
BM (30°-60°)	4679.3	26.1	B3/5000		
BH (60°-80°)	3165.8	17.7	B4/5000		G4/5000
BVH (80°-90°)	113.8	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short





REPORT NUMBER: P383051
 CATALOG NUMBER: GLEON-SA4A-735-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1
2.5°	1847.9	1848.6	1851.5	1855.2	1858.2	1866.0	1867.8	1870.7	1871.9	1874.9	1874.9
5°	1831.7	1832.9	1840.2	1849.8	1860.6	1879.8	1893.6	1909.2	1916.9	1925.3	1924.8
7.5°	1829.9	1832.9	1843.2	1858.7	1876.8	1908.6	1937.3	1968.5	1989.6	2008.8	2007.6
10°	1848.6	1853.3	1867.8	1891.1	1918.1	1957.7	2000.4	2042.4	2079.0	2108.5	2109.6
12.5°	1876.8	1882.8	1905.6	1941.0	1981.8	2032.8	2083.2	2130.6	2181.0	2224.8	2228.4
15°	1914.0	1921.8	1956.0	2008.8	2071.2	2131.8	2185.9	2234.4	2292.6	2353.3	2359.3
17.5°	1969.2	1980.0	2025.0	2096.4	2178.6	2245.2	2301.7	2338.3	2386.9	2449.3	2460.7
20°	2053.2	2067.0	2124.0	2209.3	2309.5	2379.1	2422.3	2430.1	2454.2	2510.0	2523.1
22.5°	2162.4	2174.4	2238.0	2339.5	2451.7	2527.4	2550.1	2518.9	2516.6	2561.6	2574.1
25°	2284.2	2295.1	2368.9	2482.9	2603.6	2687.0	2686.4	2625.8	2583.7	2618.6	2631.8
27.5°	2421.1	2438.0	2508.8	2628.7	2757.8	2840.0	2835.3	2741.6	2661.8	2670.7	2682.2
30°	2578.3	2597.0	2666.0	2787.8	2916.9	2997.3	2991.3	2867.7	2747.6	2723.6	2732.0
32.5°	2773.4	2795.6	2861.1	2981.0	3095.1	3167.7	3150.3	3004.5	2850.8	2798.6	2806.4
35°	3008.1	3021.3	3090.3	3208.5	3300.9	3350.8	3314.2	3162.9	2981.7	2918.6	2918.6
37.5°	3245.8	3255.9	3333.4	3448.0	3537.5	3563.8	3492.5	3336.3	3152.7	3063.3	3065.1
40°	3473.8	3501.4	3588.4	3706.1	3794.3	3801.6	3706.7	3534.5	3343.0	3250.5	3261.3
42.5°	3712.1	3739.1	3842.9	3976.1	4054.2	4066.2	3955.2	3756.5	3557.9	3482.8	3494.8
45°	3924.5	3946.1	4066.2	4221.0	4318.3	4349.5	4218.0	4011.0	3790.1	3716.9	3719.9
47.5°	4072.8	4101.0	4233.0	4415.5	4557.1	4605.1	4476.1	4258.8	4018.8	3929.9	3937.7
50°	4207.2	4222.2	4356.1	4555.4	4735.4	4834.5	4724.0	4503.8	4249.8	4155.6	4164.0
52.5°	4282.2	4301.4	4431.1	4638.7	4851.8	5011.4	4944.3	4724.0	4473.1	4381.3	4391.5
55°	4230.1	4244.4	4399.9	4657.4	4923.9	5120.7	5130.9	4939.4	4692.2	4611.7	4640.6
57.5°	3992.3	4010.4	4200.1	4537.3	4932.8	5194.5	5271.3	5139.3	4896.9	4831.4	4848.2
60°	3620.8	3632.3	3834.5	4213.9	4757.6	5225.1	5360.8	5302.6	5097.3	5031.8	5054.7
62.5°	2958.9	2975.6	3217.6	3725.9	4387.3	5134.5	5447.2	5437.6	5283.9	5223.9	5244.3
65°	2022.6	2052.0	2319.6	2962.5	3816.6	4857.2	5525.8	5594.9	5449.0	5373.4	5400.4
67.5°	1221.4	1243.0	1436.8	1956.0	2920.5	4297.9	5444.8	5773.7	5565.4	5443.6	5465.8
68°	1091.7	1111.5	1273.6	1765.1	2701.4	4140.0	5370.9	5794.1	5578.0	5442.4	5462.2
70°	659.6	672.8	781.5	1091.1	1801.1	3284.2	4867.4	5777.3	5658.5	5459.2	5470.6
72.5°	429.7	433.9	451.9	560.0	920.1	1836.5	3653.3	5383.6	5779.1	5557.1	5555.2
75°	357.1	354.7	356.5	369.1	453.8	805.4	2134.8	4252.9	5509.0	5402.8	5365.0
77.5°	301.9	300.1	299.5	300.1	303.7	388.9	926.7	2649.1	4215.6	4779.2	4812.8
80°	244.3	241.8	249.7	246.1	235.3	241.8	388.3	1101.9	1987.2	2137.8	2003.4
82.5°	177.6	168.6	202.2	192.6	183.6	170.5	214.3	355.9	474.2	325.3	228.7
85°	136.8	127.2	153.6	147.7	126.0	87.0	127.2	174.0	192.1	109.8	86.4
87.5°	55.8	58.8	111.0	87.7	73.8	42.0	52.3	69.6	93.6	46.9	36.1
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)