

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: P383104

Luminaire Tested: **GLEON-SA4C-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383104
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-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 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: 27994.9 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

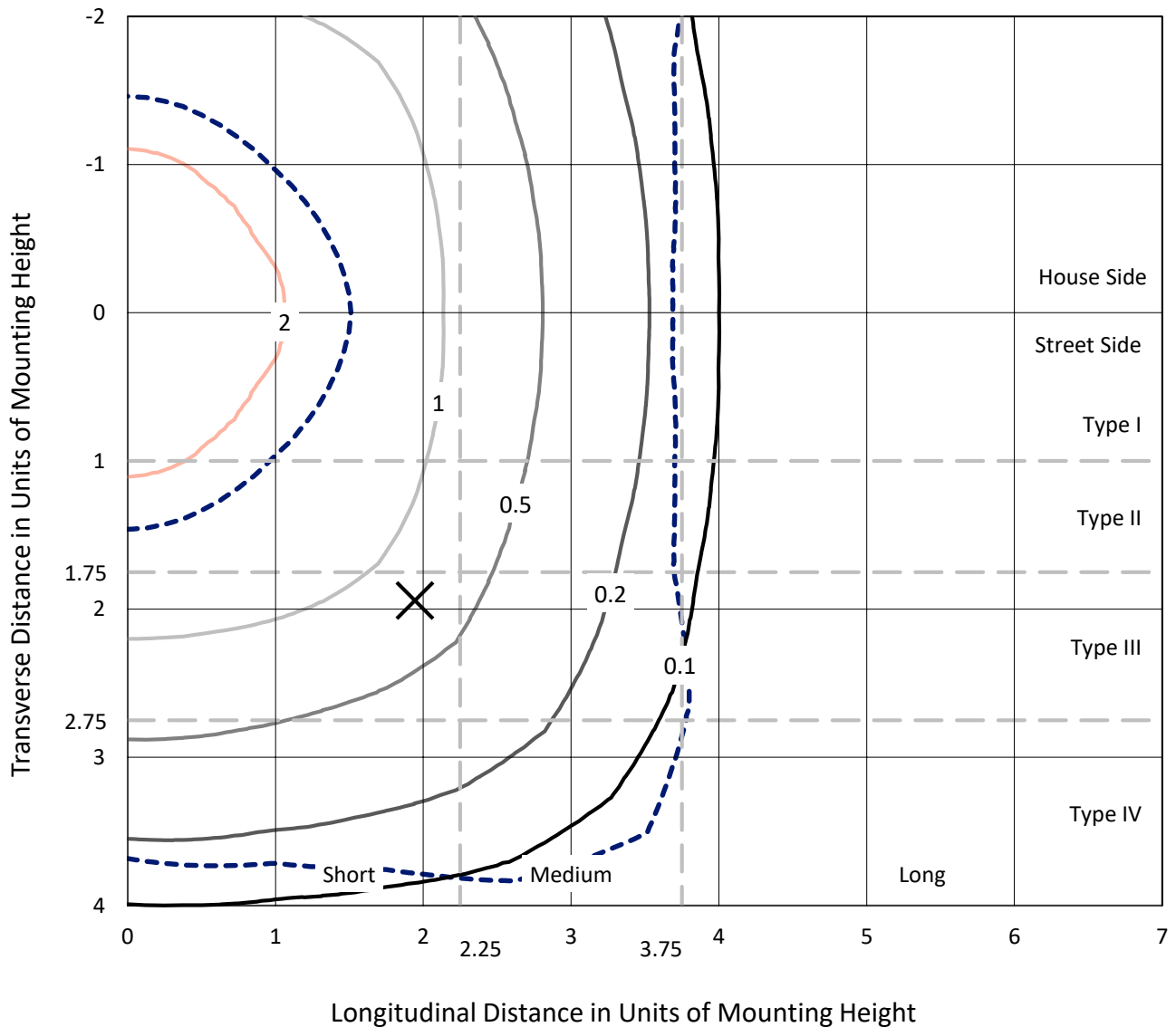
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

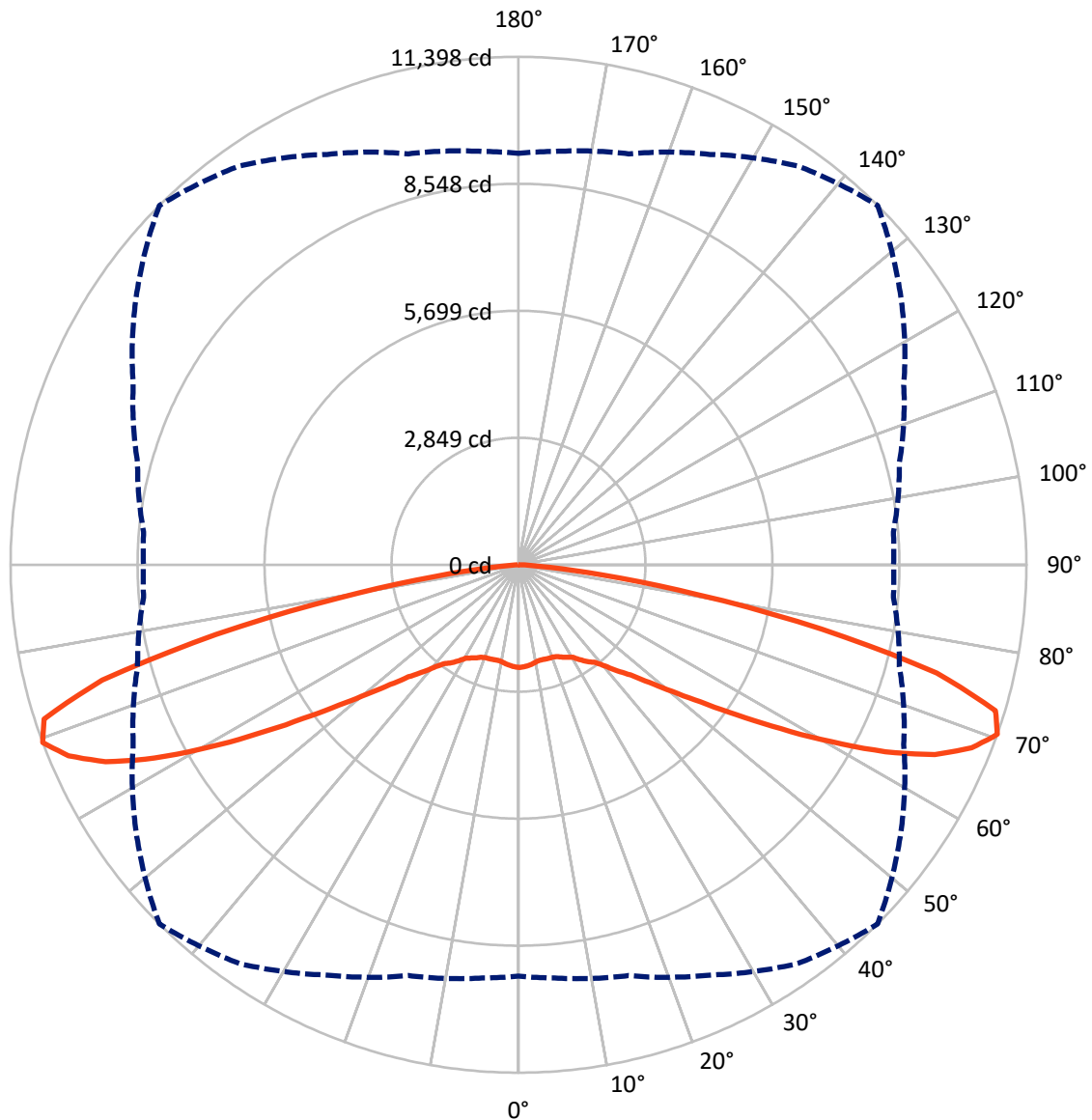
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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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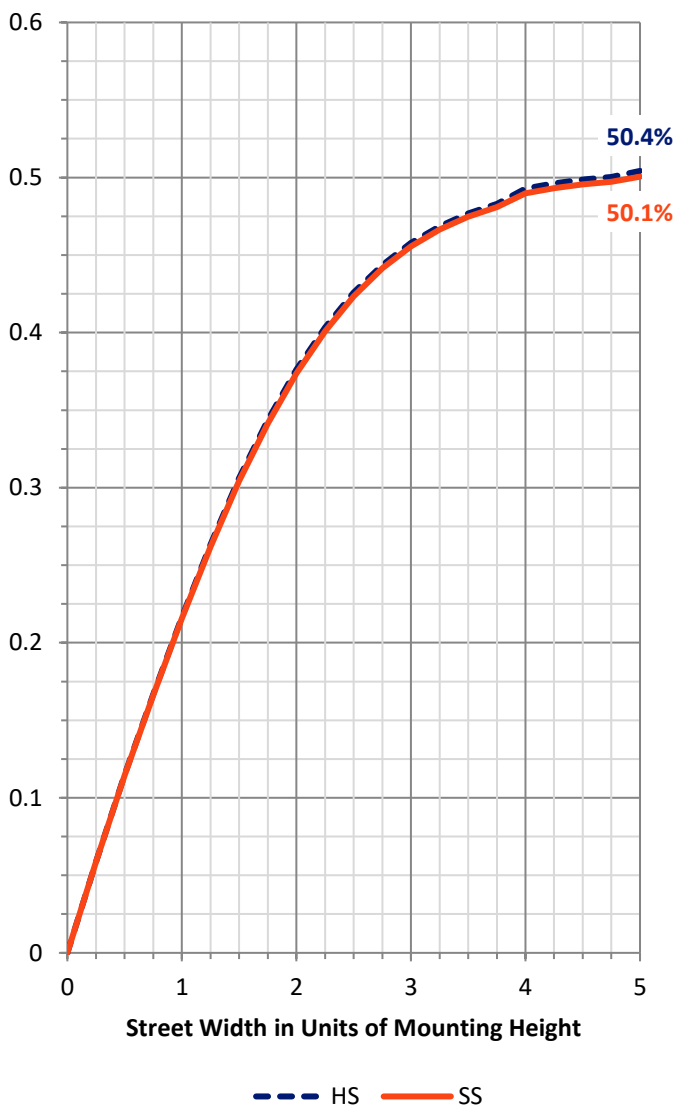
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13997.4	0.0	13997.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13997.4	0.0	13997.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	27994.9	0.0	27994.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.0	0.8
10°-20°	628.1	2.2
20°-30°	1070.9	3.8
30°-40°	1673.4	6.0
40°-50°	2836.0	10.1
50°-60°	5171.7	18.5
60°-70°	8903.4	31.8
70°-80°	6978.8	24.9
80°-90°	517.5	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°	27994.9	100.0
0°-180°	27994.9	100.0

Coefficient of Utilization

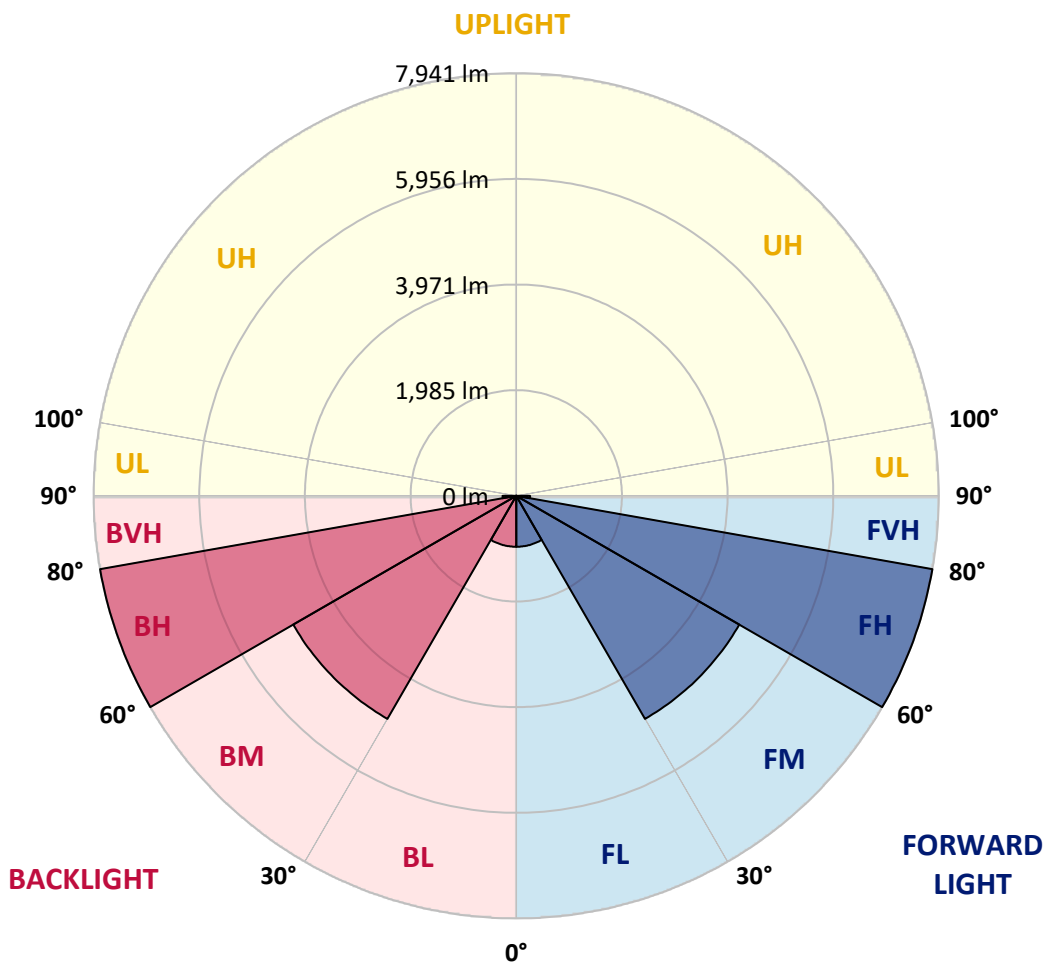


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	957.1	3.4			
FM (30°-60°)	4840.5	17.3			
FH (60°-80°)	7941.1	28.4			G4/12000
FVH (80°-90°)	258.7	0.9			G3/500
BL (0°-30°)	957.1	3.4	B2/1000		
BM (30°-60°)	4840.5	17.3	B3/5000		
BH (60°-80°)	7941.1	28.4	B5		G4/12000
BVH (80°-90°)	258.7	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2304.0	2304.0	2304.0	2304.0	2304.0	2304.0	2304.0	2304.0	2304.0	2304.0	2304.0
2.5°	2293.7	2296.5	2293.7	2295.6	2291.0	2292.9	2292.9	2292.9	2292.0	2292.9	2291.0
5°	2273.4	2275.3	2271.6	2273.4	2270.6	2273.4	2274.4	2273.4	2271.6	2272.5	2268.8
7.5°	2242.9	2244.8	2242.0	2244.8	2241.0	2245.7	2244.8	2242.0	2239.2	2239.2	2235.4
10°	2226.2	2227.1	2219.7	2216.9	2208.6	2210.5	2213.3	2216.0	2218.8	2224.3	2223.4
12.5°	2227.1	2227.1	2216.0	2203.9	2191.9	2194.7	2199.4	2209.5	2220.6	2230.9	2231.7
15°	2236.4	2235.4	2218.8	2199.4	2191.0	2199.4	2202.1	2208.6	2226.2	2243.8	2244.8
17.5°	2242.9	2242.9	2216.9	2194.7	2193.8	2206.7	2205.8	2208.6	2228.1	2254.0	2254.9
20°	2254.9	2254.9	2221.6	2197.5	2197.5	2211.4	2212.3	2216.9	2236.4	2265.1	2269.7
22.5°	2281.7	2282.7	2247.5	2228.1	2229.9	2238.2	2241.0	2248.4	2266.0	2297.5	2303.1
25°	2319.7	2321.6	2285.5	2274.4	2280.8	2296.5	2294.7	2300.3	2319.7	2350.3	2355.9
27.5°	2372.5	2367.9	2334.6	2329.9	2336.4	2347.5	2346.6	2347.5	2363.2	2391.0	2397.5
30°	2441.0	2439.2	2415.1	2417.9	2415.1	2411.4	2412.3	2419.7	2428.1	2450.2	2456.8
32.5°	2507.7	2509.6	2494.8	2508.7	2529.0	2542.9	2521.6	2501.2	2492.0	2504.0	2509.6
35°	2628.1	2632.7	2609.5	2600.3	2628.1	2668.9	2608.6	2575.4	2593.8	2609.5	2614.2
37.5°	2832.7	2835.5	2796.6	2759.6	2739.2	2778.2	2717.9	2720.7	2785.5	2815.1	2814.2
40°	3066.1	3067.0	3041.1	3008.7	2973.5	2982.7	2958.7	2966.1	3008.7	3035.5	3043.0
42.5°	3343.9	3341.2	3300.4	3254.1	3243.9	3253.2	3212.4	3206.9	3255.9	3304.1	3305.0
45°	3704.1	3697.7	3644.9	3593.9	3544.9	3524.5	3514.4	3541.2	3608.7	3653.3	3654.2
47.5°	4092.2	4074.6	4046.8	4006.0	3963.5	3943.1	3926.4	3939.3	3988.4	4006.0	4007.9
50°	4491.3	4495.0	4500.6	4484.8	4469.1	4462.6	4419.1	4394.0	4408.8	4376.4	4371.8
52.5°	4964.5	4971.9	5025.6	5071.0	5097.8	5111.7	5029.3	4943.2	4895.0	4832.0	4813.6
55°	5522.9	5534.9	5613.6	5739.5	5869.2	5937.8	5788.6	5627.6	5478.4	5360.9	5322.9
57.5°	6145.1	6166.5	6274.8	6516.5	6782.3	6944.3	6692.5	6399.8	6111.9	5942.3	5912.7
60°	6874.9	6895.3	7045.3	7391.6	7822.2	8065.8	7684.2	7205.5	6847.2	6685.1	6630.4
62.5°	7743.5	7745.4	7929.7	8334.4	8902.9	9241.9	8725.2	8085.3	7715.7	7520.4	7467.6
65°	8677.9	8682.5	8873.3	9310.4	9898.4	10267.0	9683.5	9016.8	8564.9	8276.9	8236.2
67.5°	9338.2	9357.6	9558.5	10084.6	10634.6	10967.0	10363.3	9609.5	9087.2	8743.7	8709.4
70°	9232.6	9308.5	9544.6	10158.6	10923.5	11397.7	10473.5	9539.1	8850.2	8444.6	8415.8
72.5°	8051.9	8197.2	8512.1	9317.8	10541.1	11193.9	9872.4	8543.6	7763.9	7418.5	7366.6
75°	5483.1	5719.2	6194.2	7356.4	9005.7	9691.9	8311.2	6811.9	6078.5	5600.7	5565.5
77.5°	2444.8	2498.4	3100.4	4438.5	6214.6	6960.1	6038.7	4456.1	3344.8	2668.0	2525.3
80°	681.5	689.9	920.5	1652.9	3110.5	4089.4	3339.3	1736.3	976.1	688.0	648.3
82.5°	216.7	235.2	287.1	428.8	1045.5	1866.0	1073.2	463.0	329.7	263.0	237.1
85°	105.5	104.6	145.4	174.1	266.7	413.0	284.3	214.8	188.0	125.0	113.0
87.5°	44.4	45.4	67.6	61.1	77.8	66.7	91.7	96.3	101.0	55.5	48.2
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)