

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: P383079

Luminaire Tested: **GLEON-SA4B-735-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383079  
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-SA4B-735-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21950.1 lumens  
Efficiency: N/A  
Efficacy: 128.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

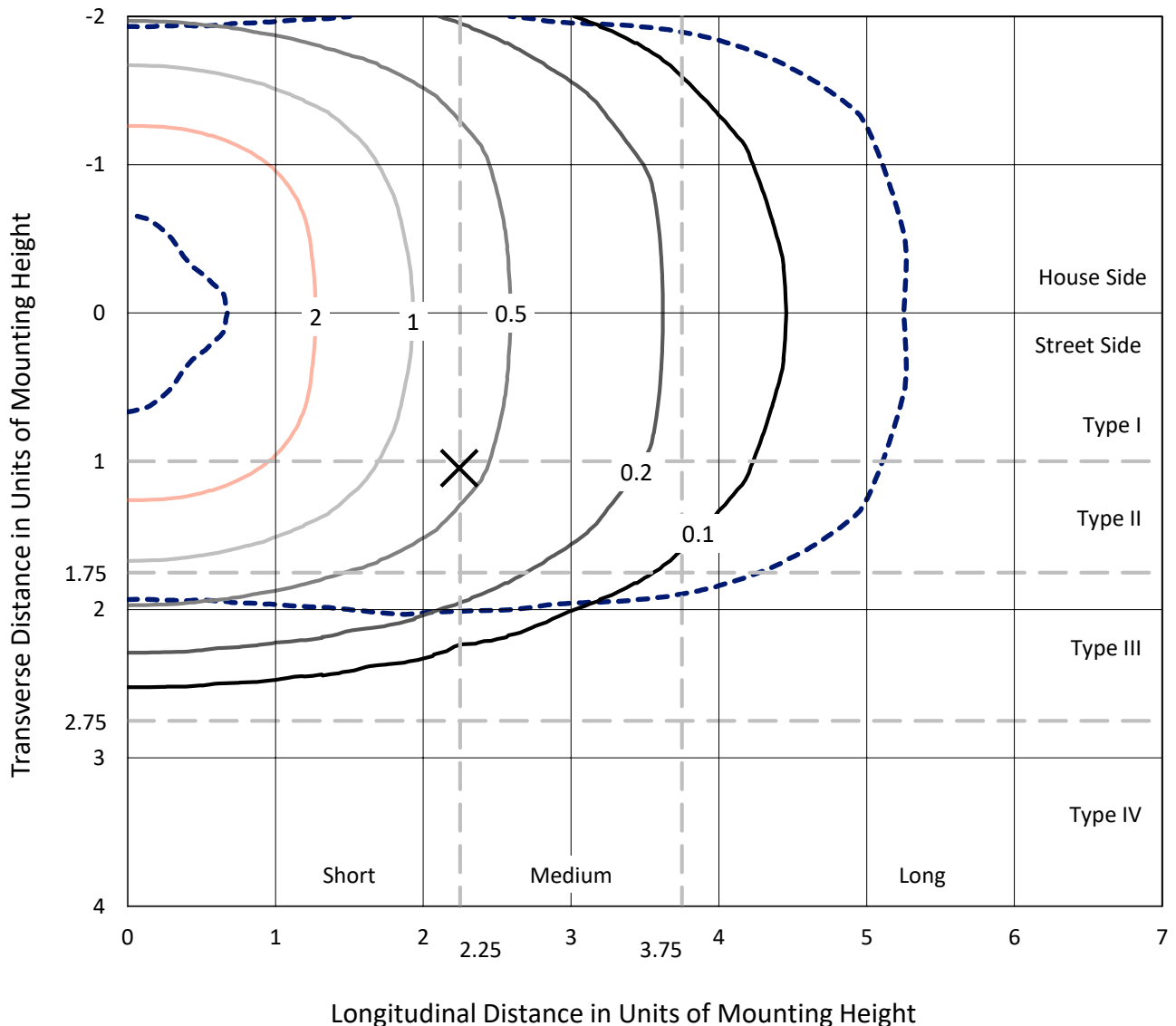
Input Watts (W): 171  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P383079  
 CATALOG NUMBER: GLEON-SA4B-735-U-RW

### Iso-Footcandle Lines of Horizontal Illumination

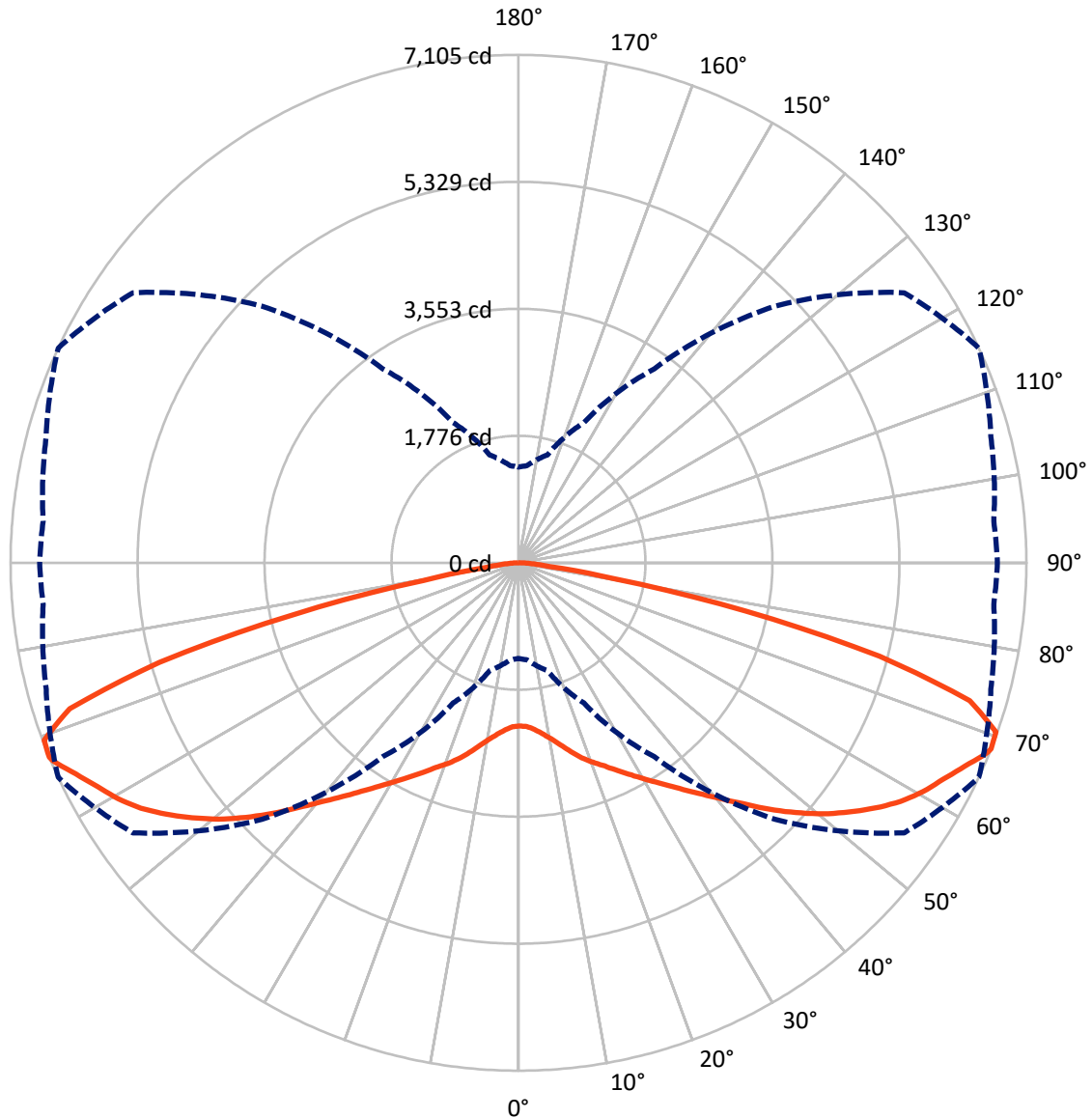
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P383079  
CATALOG NUMBER: GLEON-SA4B-735-U-RW

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P383079  
 CATALOG NUMBER: GLEON-SA4B-735-U-RW

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10975.0	0.0	10975.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10975.0	0.0	10975.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21950.1	0.0	21950.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	223.4	1.0
10°-20°	748.2	3.4
20°-30°	1458.8	6.6
30°-40°	2450.7	11.2
40°-50°	3861.4	17.6
50°-60°	5164.0	23.5
60°-70°	5020.1	22.9
70°-80°	2744.2	12.5
80°-90°	279.1	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°	21950.1	100.0
0°-180°	21950.1	100.0

**Coefficient of Utilization**

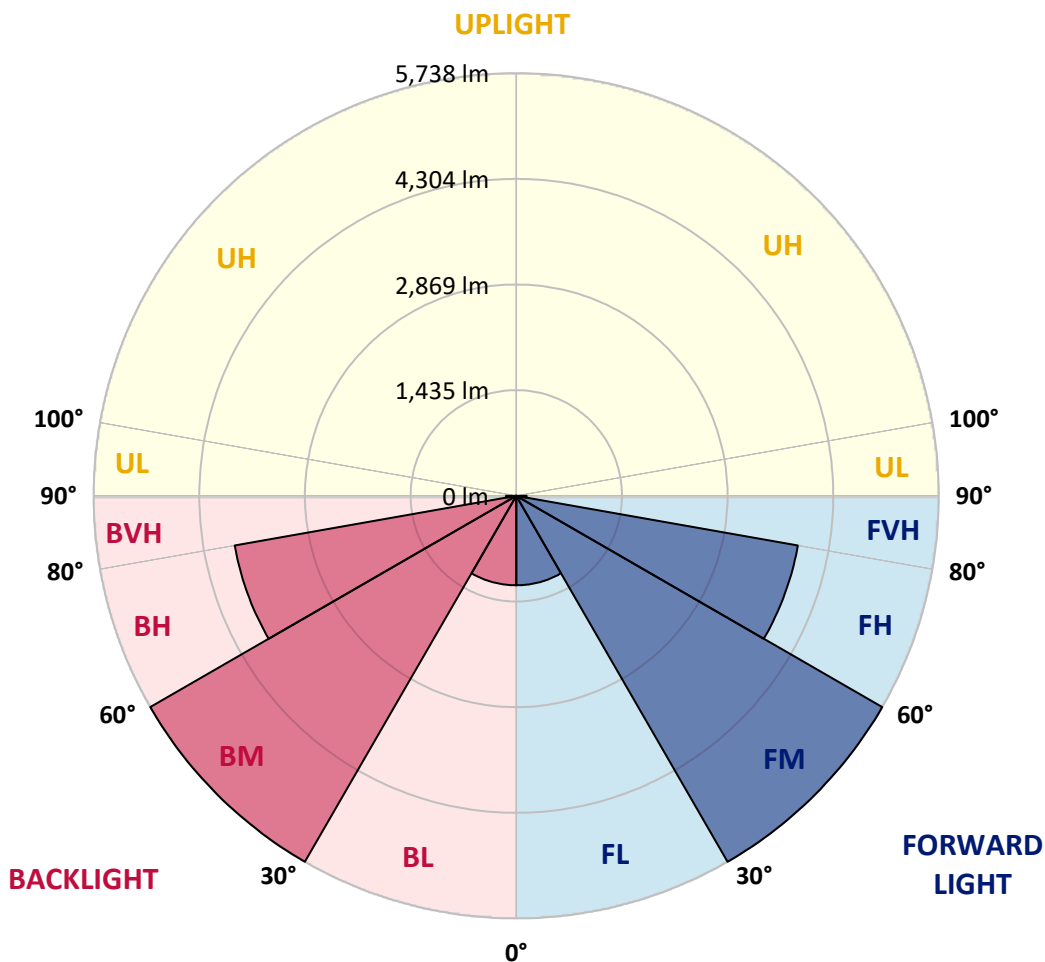


REPORT NUMBER: P383079  
 CATALOG NUMBER: GLEON-SA4B-735-U-RW

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1215.2	5.5			
FM (30°-60°)	5738.1	26.1			
FH (60°-80°)	3882.1	17.7			G2/5000
FVH (80°-90°)	139.5	0.6			G2/225
BL (0°-30°)	1215.2	5.5	B3/2500		
BM (30°-60°)	5738.1	26.1	B4/8500		
BH (60°-80°)	3882.1	17.7	B4/5000		G4/5000
BVH (80°-90°)	139.5	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: P383079  
 CATALOG NUMBER: GLEON-SA4B-735-U-RW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2282.3	2282.3	2282.3	2282.3	2282.3	2282.3	2282.3	2282.3	2282.3	2282.3	2282.3
2.5°	2266.1	2266.8	2270.6	2274.9	2278.6	2288.2	2290.4	2294.0	2295.5	2299.2	2299.2
5°	2246.2	2247.7	2256.5	2268.3	2281.5	2305.1	2322.1	2341.2	2350.8	2361.0	2360.3
7.5°	2244.0	2247.7	2260.2	2279.3	2301.4	2340.4	2375.7	2414.0	2439.8	2463.4	2461.9
10°	2266.8	2272.7	2290.4	2319.1	2352.3	2400.8	2453.0	2504.6	2549.5	2585.5	2587.0
12.5°	2301.4	2308.7	2336.8	2380.2	2430.2	2492.8	2554.6	2612.7	2674.6	2728.3	2732.7
15°	2347.0	2356.6	2398.5	2463.4	2539.9	2614.2	2680.4	2740.1	2811.5	2885.8	2893.2
17.5°	2414.8	2428.0	2483.2	2570.8	2671.6	2753.3	2822.5	2867.4	2927.0	3003.6	3017.6
20°	2517.8	2534.7	2604.6	2709.1	2832.1	2917.4	2970.4	2980.0	3009.5	3077.9	3094.0
22.5°	2651.7	2666.5	2744.5	2868.9	3006.5	3099.3	3127.2	3088.9	3086.0	3141.2	3156.6
25°	2801.2	2814.4	2904.9	3044.8	3192.7	3295.0	3294.2	3219.9	3168.4	3211.1	3227.3
27.5°	2968.9	2989.6	3076.4	3223.6	3381.9	3482.7	3476.8	3362.0	3264.0	3275.1	3289.1
30°	3161.8	3184.6	3269.3	3418.7	3576.9	3675.5	3668.2	3516.5	3369.3	3339.9	3350.2
32.5°	3401.0	3428.2	3508.4	3655.7	3795.5	3884.6	3863.2	3684.4	3495.9	3431.9	3441.5
35°	3688.7	3705.0	3789.6	3934.6	4047.9	4109.0	4064.1	3878.7	3656.4	3579.1	3579.1
37.5°	3980.2	3992.7	4087.6	4228.2	4337.9	4370.3	4282.7	4091.4	3866.1	3756.5	3758.7
40°	4259.9	4293.8	4400.4	4544.7	4652.9	4661.7	4545.5	4334.2	4099.5	3986.1	3999.3
42.5°	4552.1	4585.2	4712.5	4875.9	4971.6	4986.3	4850.1	4606.5	4362.9	4271.0	4285.7
45°	4812.6	4839.1	4986.3	5176.1	5295.4	5333.7	5172.5	4918.6	4647.8	4558.0	4561.6
47.5°	4994.4	5029.0	5190.9	5414.6	5588.4	5647.2	5489.0	5222.5	4928.2	4819.3	4828.8
50°	5159.3	5177.6	5341.8	5586.1	5806.9	5928.4	5792.9	5522.9	5211.5	5095.9	5106.3
52.5°	5251.2	5274.8	5433.8	5688.4	5949.7	6145.5	6063.1	5792.9	5485.3	5372.7	5385.2
55°	5187.2	5204.9	5395.5	5711.2	6038.0	6279.5	6292.0	6057.2	5753.9	5655.3	5690.6
57.5°	4895.7	4917.8	5150.4	5564.0	6049.1	6369.9	6464.2	6302.2	6004.9	5924.6	5945.3
60°	4440.2	4454.2	4702.2	5167.4	5834.2	6407.5	6573.8	6502.4	6250.7	6170.5	6198.4
62.5°	3628.4	3649.1	3945.6	4569.0	5380.1	6296.3	6679.8	6668.0	6479.6	6406.0	6431.0
65°	2480.2	2516.3	2844.6	3632.8	4680.1	5956.3	6776.2	6860.8	6682.0	6589.3	6622.4
67.5°	1497.7	1524.2	1761.9	2398.5	3581.3	5270.4	6676.9	7080.1	6824.8	6675.4	6702.6
68°	1338.7	1363.0	1561.7	2164.5	3312.7	5076.8	6586.3	7105.2	6840.3	6673.9	6698.2
70°	808.9	825.1	958.3	1338.0	2208.7	4027.3	5968.8	7084.6	6938.9	6694.5	6708.5
72.5°	527.0	532.1	554.2	686.6	1128.3	2252.1	4479.9	6601.8	7086.8	6814.5	6812.3
75°	437.9	434.9	437.2	452.6	556.4	987.7	2617.9	5215.2	6755.6	6625.4	6579.0
77.5°	370.2	368.0	367.2	368.0	372.4	477.0	1136.4	3248.7	5169.5	5860.6	5901.8
80°	299.6	296.6	306.2	301.7	288.5	296.6	476.2	1351.3	2436.8	2621.6	2456.7
82.5°	217.9	206.8	248.1	236.2	225.2	209.0	262.8	436.4	581.5	398.9	280.4
85°	167.8	156.0	188.5	181.1	154.5	106.8	156.0	213.4	235.5	134.7	106.0
87.5°	68.5	72.1	136.2	107.4	90.5	51.5	64.0	85.3	114.9	57.4	44.2
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)