

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: P383163

Luminaire Tested: **GLEON-SA5A-735-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383163  
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-SA5A-735-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 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: 22178.3 lumens  
Efficiency: N/A  
Efficacy: 136.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

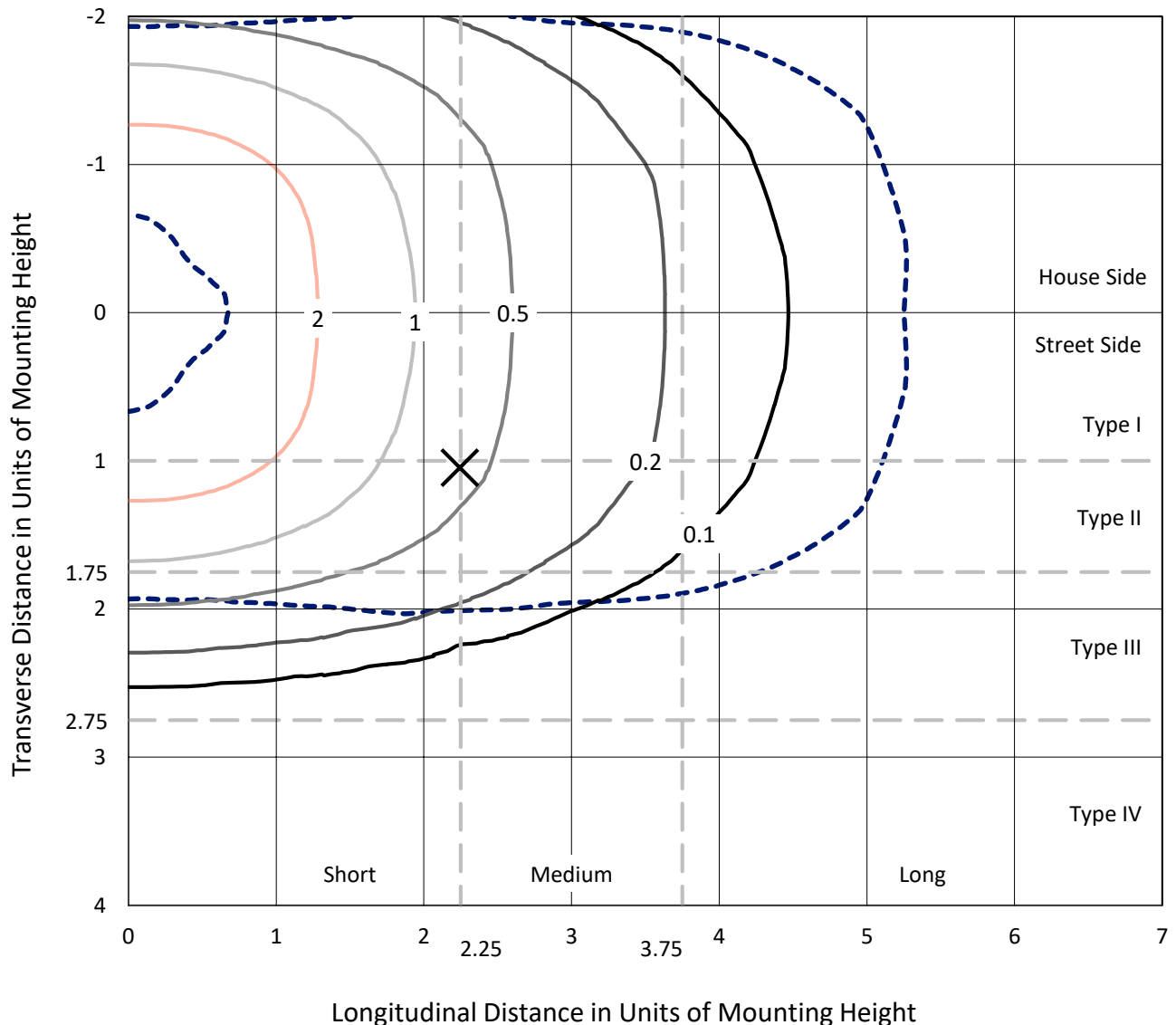
Input Watts (W): 162  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P383163  
 CATALOG NUMBER: GLEON-SA5A-735-U-RW

### Iso-Footcandle Lines of Horizontal Illumination

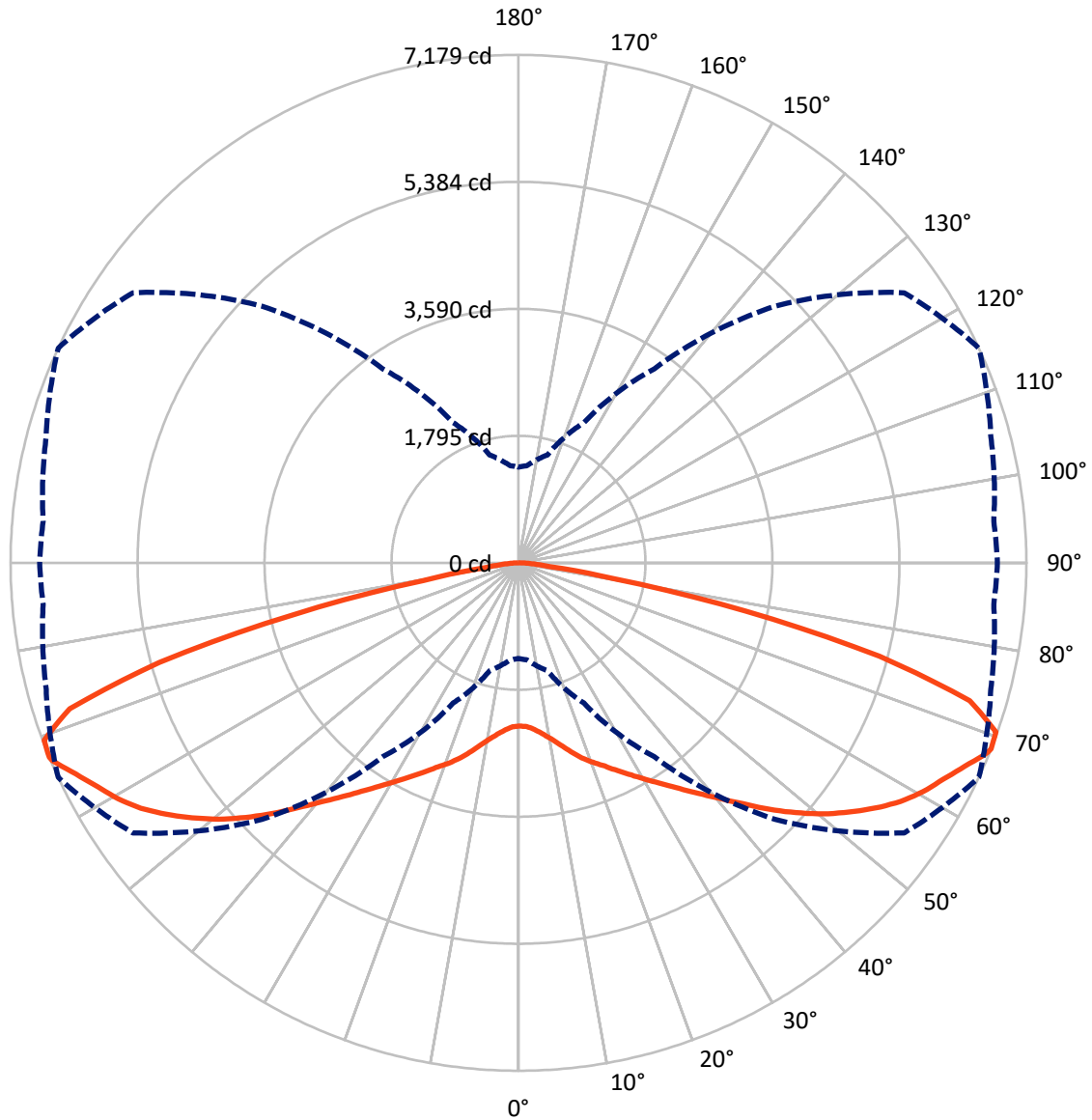
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type III - Short - N/A

REPORT NUMBER: P383163  
CATALOG NUMBER: GLEON-SA5A-735-U-RW

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P383163  
 CATALOG NUMBER: GLEON-SA5A-735-U-RW

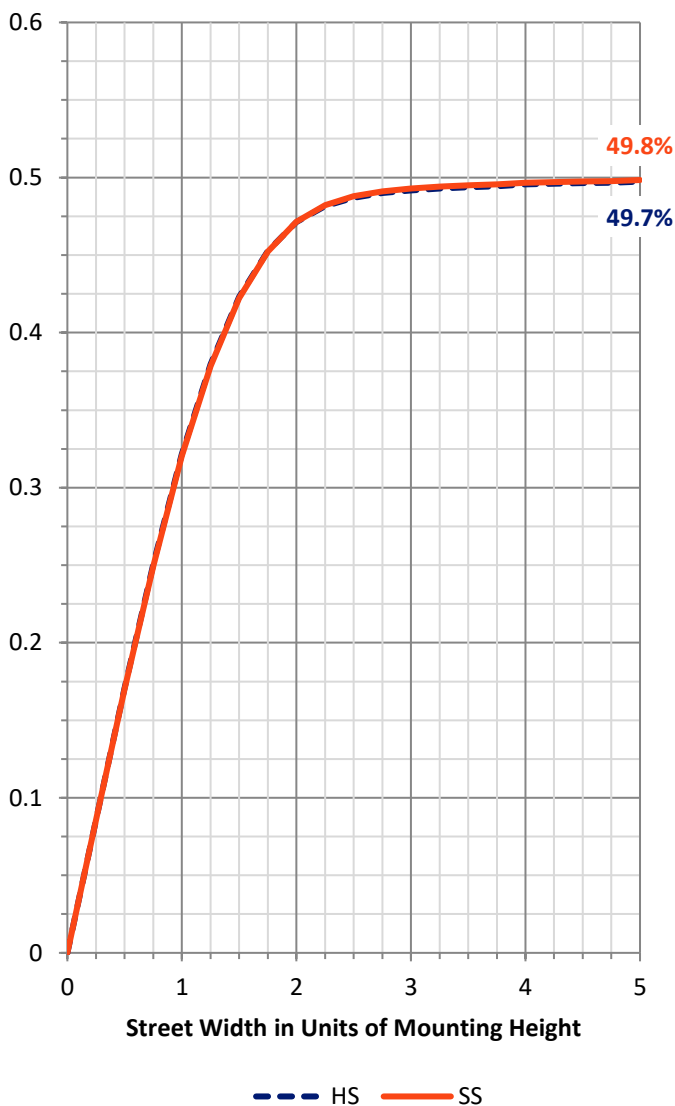
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11089.1	0.0	11089.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11089.1	0.0	11089.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22178.3	0.0	22178.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.8	1.0
10°-20°	756.0	3.4
20°-30°	1474.0	6.6
30°-40°	2476.2	11.2
40°-50°	3901.6	17.6
50°-60°	5217.7	23.5
60°-70°	5072.3	22.9
70°-80°	2772.8	12.5
80°-90°	282.0	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°	22178.3	100.0
0°-180°	22178.3	100.0

**Coefficient of Utilization**

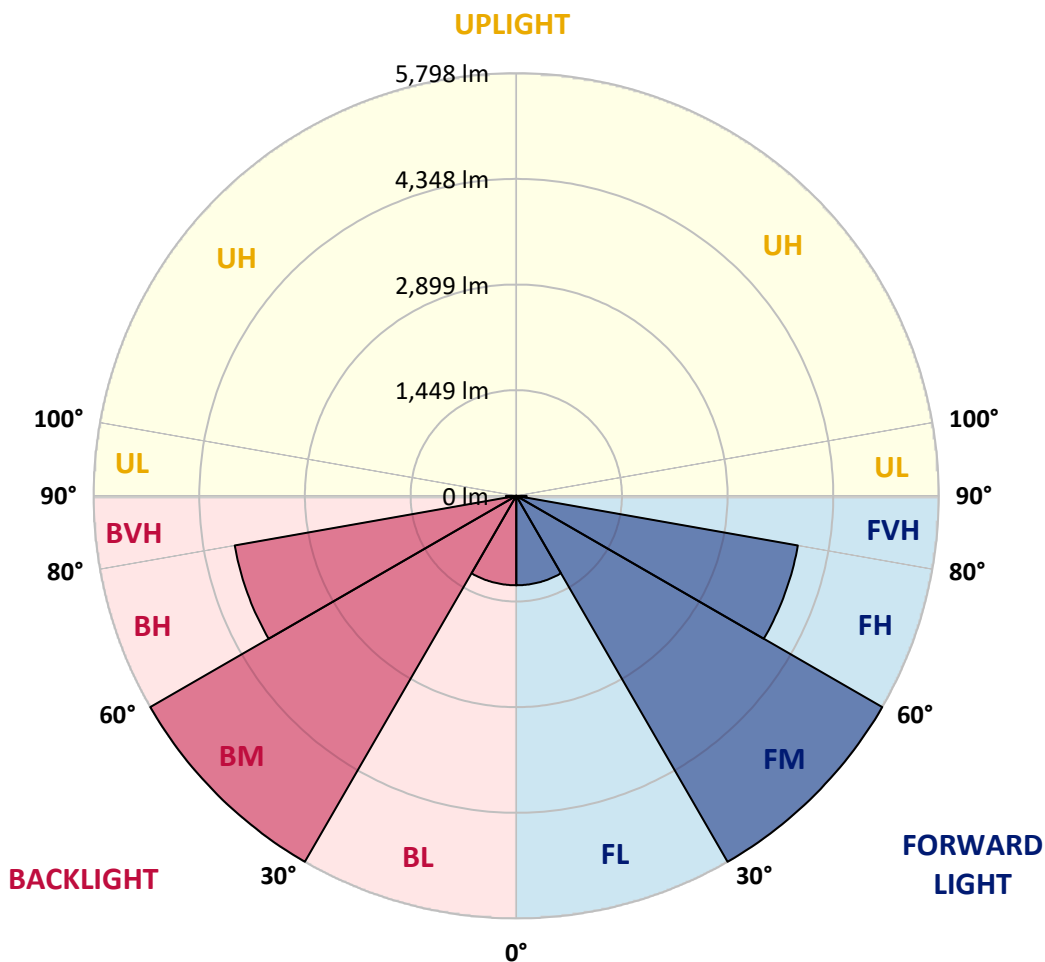


REPORT NUMBER: P383163  
 CATALOG NUMBER: GLEON-SA5A-735-U-RW

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1227.9	5.5			
FM	(30°-60°)	5797.8	26.1			
FH	(60°-80°)	3922.5	17.7			G2/5000
FVH	(80°-90°)	141.0	0.6			G2/225
BL	(0°-30°)	1227.9	5.5	B3/2500		
BM	(30°-60°)	5797.8	26.1	B4/8500		
BH	(60°-80°)	3922.5	17.7	B4/5000		G4/5000
BVH	(80°-90°)	141.0	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: P383163  
 CATALOG NUMBER: GLEON-SA5A-735-U-RW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0	2306.0
2.5°	2289.7	2290.4	2294.1	2298.6	2302.3	2312.0	2314.2	2317.9	2319.4	2323.1	2323.1
5°	2269.6	2271.1	2280.0	2291.9	2305.3	2329.1	2346.2	2365.5	2375.2	2385.6	2384.9
7.5°	2267.4	2271.1	2283.7	2303.1	2325.3	2364.7	2400.5	2439.2	2465.2	2488.9	2487.5
10°	2290.4	2296.4	2314.2	2343.2	2376.7	2425.7	2478.6	2530.6	2575.9	2612.4	2613.9
12.5°	2325.3	2332.8	2361.0	2404.9	2455.5	2518.7	2581.1	2639.9	2702.4	2756.6	2761.1
15°	2371.4	2381.1	2423.5	2488.9	2566.3	2641.4	2708.3	2768.6	2840.7	2915.8	2923.2
17.5°	2439.9	2453.2	2509.0	2597.5	2699.4	2782.0	2851.8	2897.2	2957.5	3034.8	3049.0
20°	2544.0	2561.1	2631.7	2737.4	2861.5	2947.8	3001.4	3010.9	3040.8	3109.9	3126.3
22.5°	2679.3	2694.2	2773.0	2898.7	3037.8	3131.5	3159.7	3121.1	3118.1	3173.9	3189.4
25°	2830.3	2843.6	2935.1	3076.4	3225.9	3329.3	3328.5	3253.4	3201.4	3244.5	3260.9
27.5°	2999.9	3020.6	3108.4	3257.2	3417.0	3518.9	3513.0	3397.0	3298.1	3309.2	3323.3
30°	3194.6	3217.8	3303.3	3454.2	3614.0	3713.7	3706.3	3553.1	3404.3	3374.6	3385.1
32.5°	3436.4	3463.9	3544.9	3693.7	3834.9	3924.9	3903.4	3722.7	3532.2	3467.6	3477.3
35°	3727.1	3743.5	3829.0	3975.5	4090.0	4151.7	4106.4	3918.9	3694.4	3616.3	3616.3
37.5°	4021.6	4034.3	4130.2	4272.2	4383.0	4415.7	4327.2	4133.8	3906.4	3795.5	3797.7
40°	4304.2	4338.4	4446.2	4592.0	4701.2	4710.2	4592.7	4379.3	4142.0	4027.5	4041.0
42.5°	4599.4	4632.9	4761.5	4926.6	5023.3	5038.2	4900.6	4654.4	4408.3	4315.3	4330.2
45°	4862.7	4889.4	5038.2	5230.0	5350.4	5389.1	5226.3	4969.7	4696.0	4605.4	4609.1
47.5°	5046.3	5081.3	5244.9	5471.0	5646.5	5705.9	5546.1	5276.8	4979.4	4869.3	4879.0
50°	5212.9	5231.5	5397.3	5644.2	5867.3	5990.0	5853.2	5580.2	5265.7	5148.9	5159.4
52.5°	5305.8	5329.7	5490.3	5747.6	6011.6	6209.4	6126.0	5853.2	5542.3	5428.6	5441.2
55°	5241.2	5259.0	5451.6	5770.7	6100.8	6344.7	6357.3	6120.2	5813.8	5714.1	5749.8
57.5°	4946.7	4969.0	5204.0	5621.9	6112.0	6436.2	6531.4	6367.8	6067.4	5986.3	6007.1
60°	4486.3	4500.5	4751.1	5221.0	5894.8	6474.1	6642.2	6570.0	6315.7	6234.7	6262.9
62.5°	3666.1	3687.0	3986.7	4616.5	5436.0	6361.8	6749.2	6737.3	6547.0	6472.6	6497.9
65°	2506.0	2542.5	2874.2	3670.6	4728.8	6018.3	6846.7	6932.2	6751.5	6657.8	6691.2
67.5°	1513.3	1540.0	1780.3	2423.5	3618.5	5325.2	6746.3	7153.8	6895.8	6744.8	6772.4
68°	1352.7	1377.2	1578.0	2187.0	3347.1	5129.6	6654.8	7179.1	6911.3	6743.3	6767.9
70°	817.2	833.6	968.3	1352.0	2231.6	4069.2	6030.9	7158.3	7011.0	6764.2	6778.2
72.5°	532.5	537.7	560.0	693.8	1140.0	2275.5	4526.5	6670.4	7160.5	6885.3	6883.1
75°	442.5	439.5	441.7	457.3	562.2	998.0	2645.1	5269.4	6825.8	6694.2	6647.3
77.5°	374.0	371.8	371.0	371.8	376.3	481.9	1148.1	3282.4	5223.3	5921.6	5963.2
80°	302.7	299.7	309.4	304.9	291.5	299.7	481.1	1365.3	2462.2	2648.9	2482.3
82.5°	220.1	208.9	250.6	238.7	227.6	211.2	265.5	441.0	587.4	403.1	283.3
85°	169.5	157.6	190.4	183.0	156.1	107.9	157.6	215.7	238.0	136.1	107.1
87.5°	69.1	72.8	137.6	108.5	91.5	52.1	64.7	86.3	116.0	58.0	44.6
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)