

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: P383608

Luminaire Tested: **GLEON-SA9A-735-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383608  
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-SA9A-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 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: 40879.1 lumens  
Efficiency: N/A  
Efficacy: 141.0 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

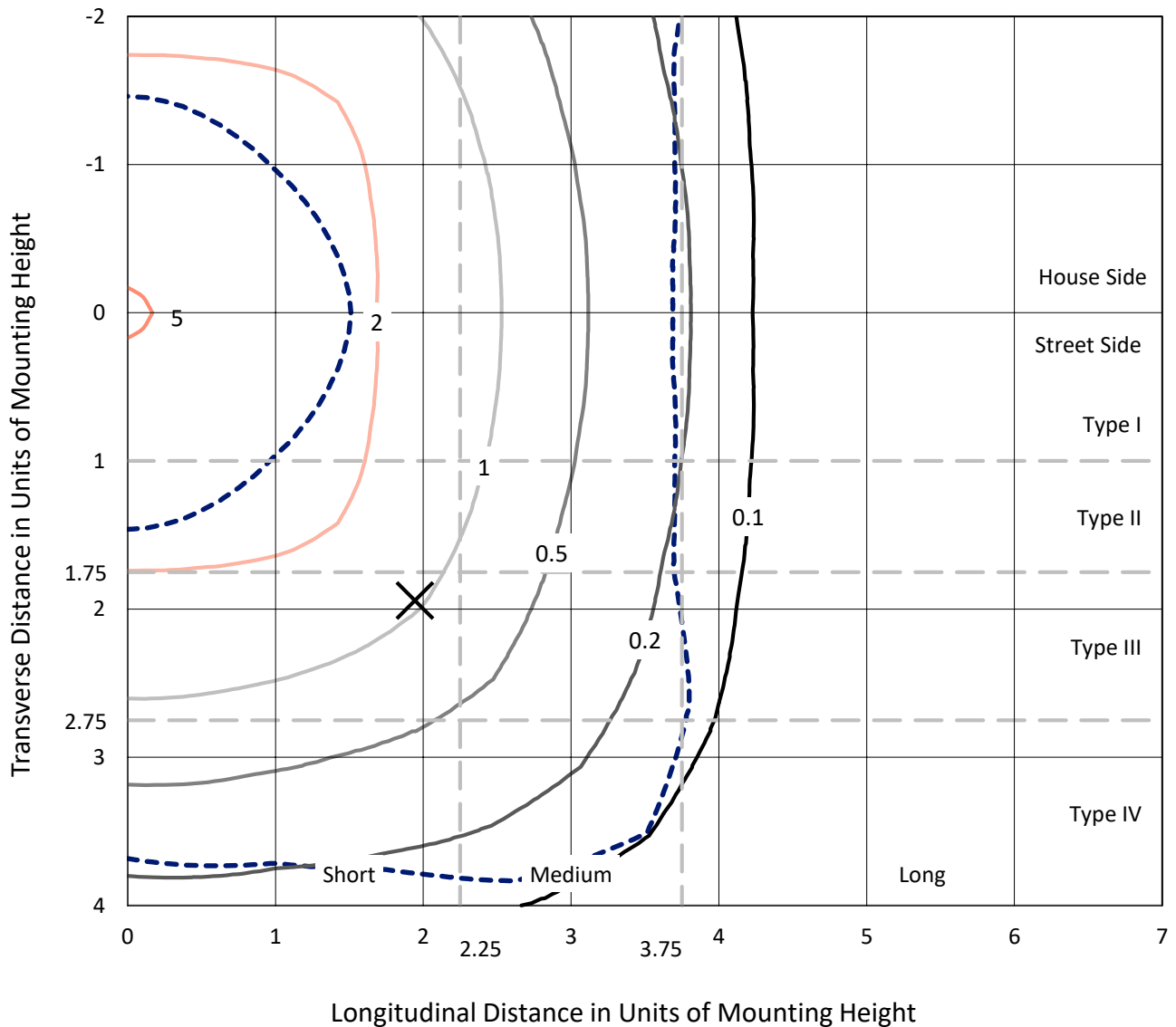
Input Watts (W): 290  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

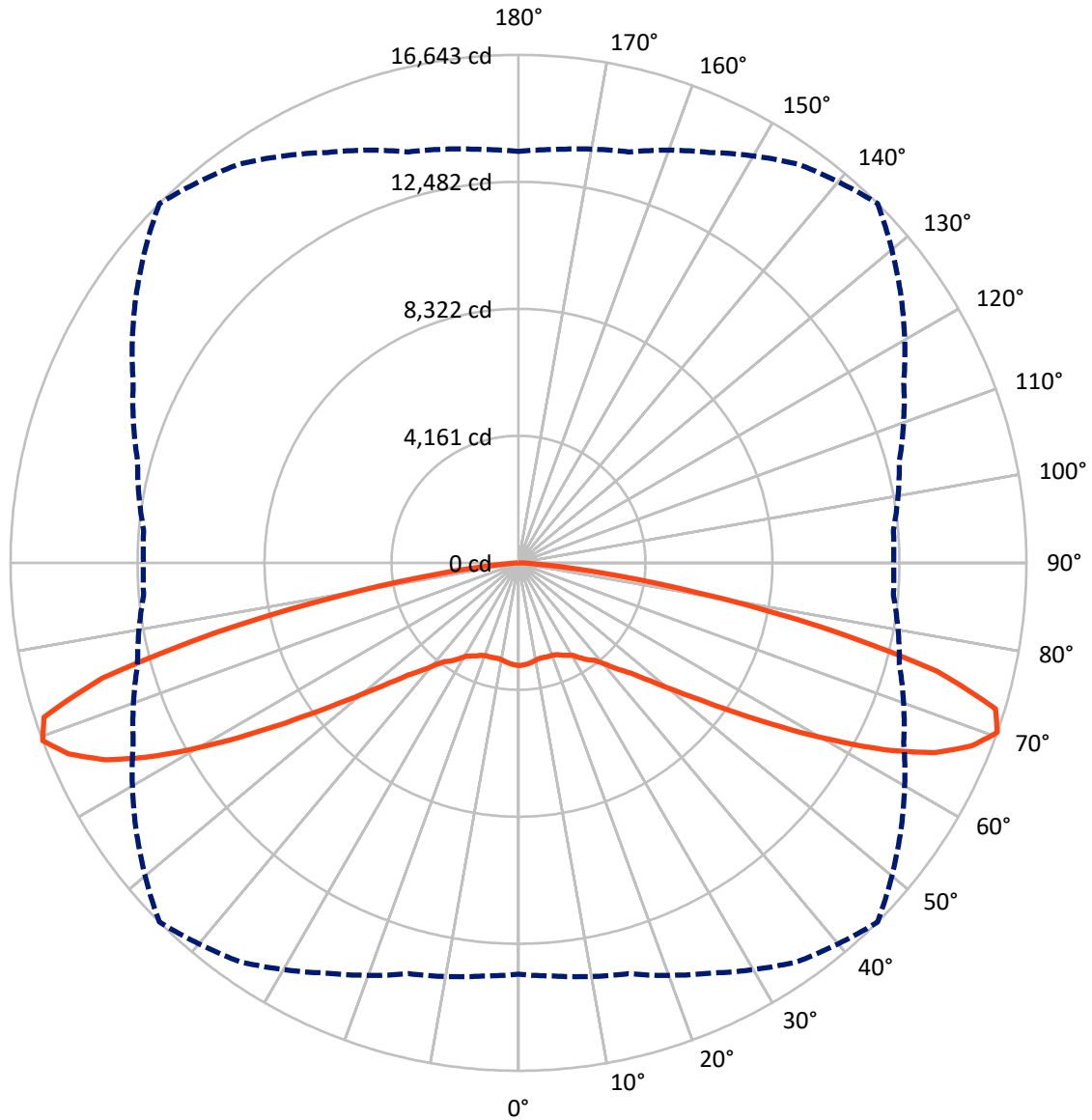
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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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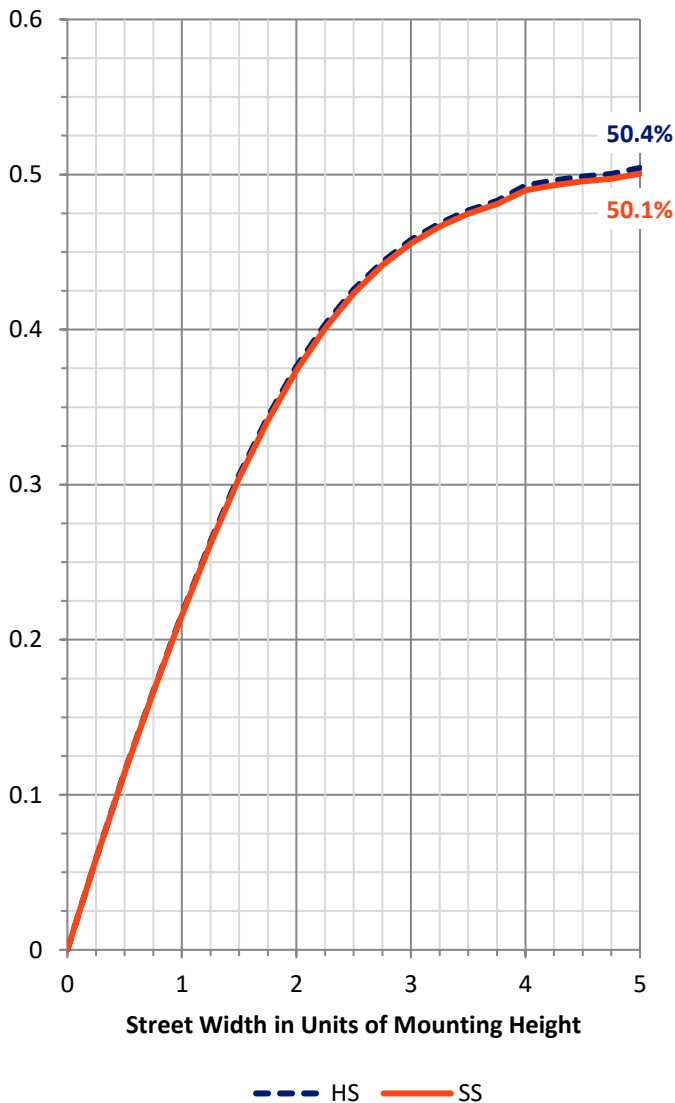
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20439.5	0.0	20439.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20439.5	0.0	20439.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40879.1	0.0	40879.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	314.0	0.8
10°-20°	917.2	2.2
20°-30°	1563.8	3.8
30°-40°	2443.5	6.0
40°-50°	4141.2	10.1
50°-60°	7551.9	18.5
60°-70°	13001.1	31.8
70°-80°	10190.7	24.9
80°-90°	755.6	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°	40879.1	100.0
0°-180°	40879.1	100.0

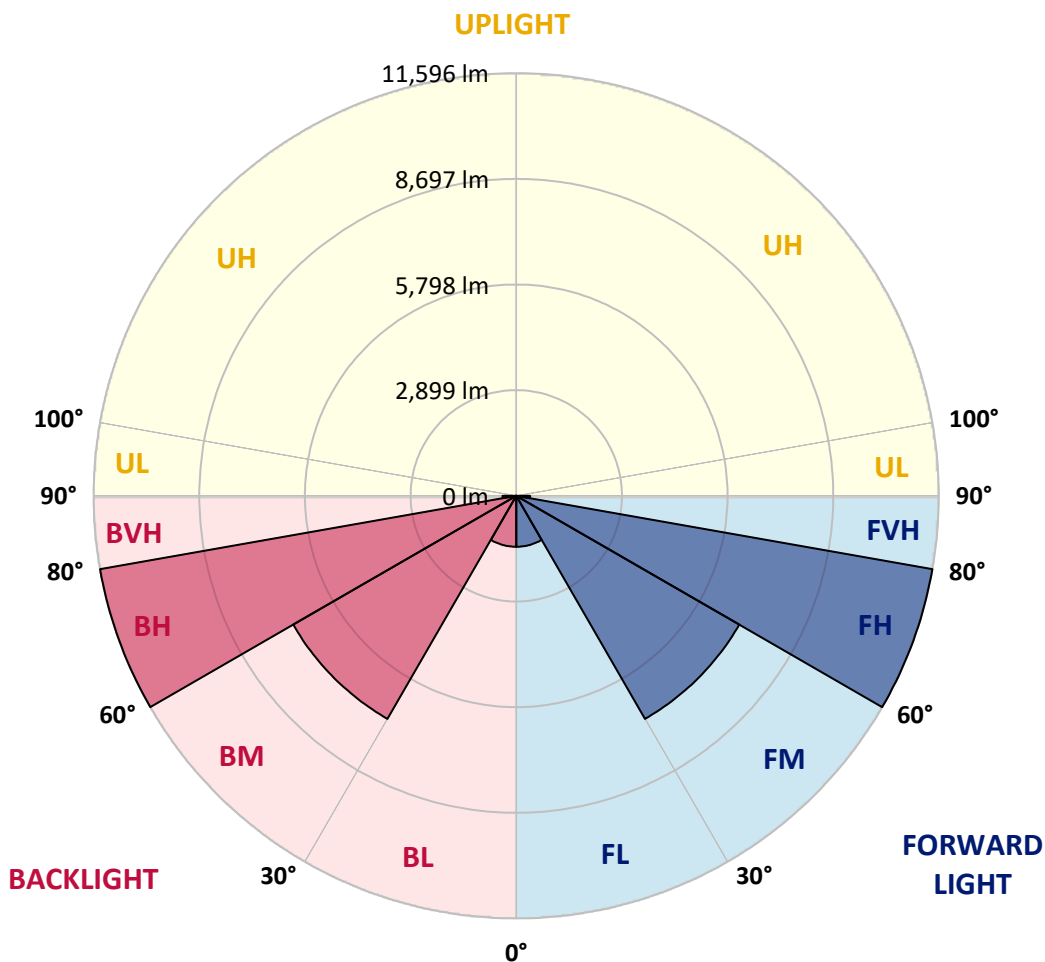


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1397.5	3.4			
FM (30°-60°)	7068.3	17.3			
FH (60°-80°)	11595.9	28.4			G4/12000
FVH (80°-90°)	377.8	0.9			G3/500
BL (0°-30°)	1397.5	3.4	B3/2500		
BM (30°-60°)	7068.3	17.3	B4/8500		
BH (60°-80°)	11595.9	28.4	B5		G4/12000
BVH (80°-90°)	377.8	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°	3364.4	3364.4	3364.4	3364.4	3364.4	3364.4	3364.4	3364.4	3364.4	3364.4	3364.4
2.5°	3349.5	3353.6	3349.5	3352.2	3345.5	3348.2	3348.2	3348.2	3346.8	3348.2	3345.5
5°	3319.8	3322.5	3317.1	3319.8	3315.7	3319.8	3321.1	3319.8	3317.1	3318.4	3313.0
7.5°	3275.1	3277.8	3273.7	3277.8	3272.4	3279.1	3277.8	3273.7	3269.7	3269.7	3264.3
10°	3250.7	3252.1	3241.3	3237.2	3225.1	3227.8	3231.8	3235.9	3239.9	3248.0	3246.7
12.5°	3252.1	3252.1	3235.9	3218.3	3200.7	3204.8	3211.5	3226.4	3242.6	3257.5	3258.9
15°	3265.6	3264.3	3239.9	3211.5	3199.4	3211.5	3215.6	3225.1	3250.7	3276.4	3277.8
17.5°	3275.1	3275.1	3237.2	3204.8	3203.4	3222.4	3221.0	3225.1	3253.4	3291.3	3292.6
20°	3292.6	3292.6	3244.0	3208.8	3208.8	3229.1	3230.5	3237.2	3265.6	3307.6	3314.4
22.5°	3331.9	3333.3	3281.8	3253.4	3256.1	3268.3	3272.4	3283.2	3309.0	3354.9	3363.0
25°	3387.4	3390.1	3337.3	3321.1	3330.6	3353.6	3350.9	3359.0	3387.4	3432.0	3440.1
27.5°	3464.4	3457.6	3409.0	3402.2	3411.7	3427.9	3426.6	3427.9	3450.9	3491.4	3500.9
30°	3564.5	3561.8	3526.7	3530.7	3526.7	3521.2	3522.6	3533.4	3545.6	3578.0	3587.5
32.5°	3661.8	3664.5	3642.9	3663.2	3692.9	3713.2	3682.1	3652.4	3638.9	3656.4	3664.5
35°	3837.6	3844.4	3810.6	3797.1	3837.6	3897.1	3809.3	3760.6	3787.6	3810.6	3817.4
37.5°	4136.4	4140.5	4083.7	4029.7	3999.9	4056.7	3968.8	3972.9	4067.5	4110.8	4109.4
40°	4477.2	4478.6	4440.7	4393.4	4342.0	4355.5	4320.4	4331.2	4393.4	4432.6	4443.5
42.5°	4882.9	4878.9	4819.4	4751.7	4736.8	4750.4	4690.9	4682.8	4754.4	4824.8	4826.2
45°	5408.9	5399.4	5322.4	5248.1	5176.3	5146.6	5131.7	5170.9	5269.7	5334.6	5335.9
47.5°	5975.5	5949.8	5909.3	5849.7	5787.5	5757.8	5733.5	5752.4	5824.0	5849.7	5852.4
50°	6558.4	6563.8	6571.9	6548.9	6525.9	6516.5	6452.8	6416.3	6438.0	6390.7	6383.9
52.5°	7249.3	7260.1	7338.5	7404.9	7444.0	7464.3	7343.9	7218.2	7147.9	7055.9	7028.9
55°	8064.7	8082.3	8197.2	8381.1	8570.4	8670.5	8452.8	8217.6	7999.9	7828.1	7772.6
57.5°	8973.4	9004.5	9162.7	9515.7	9903.7	10140.4	9772.6	9345.3	8924.7	8677.3	8634.0
60°	10039.0	10068.7	10287.8	10793.6	11422.4	11777.9	11220.9	10521.7	9998.4	9761.8	9681.9
62.5°	11307.4	11310.1	11579.1	12170.1	13000.4	13495.3	12740.8	11806.3	11266.8	10981.5	10904.4
65°	12671.7	12678.5	12957.1	13595.4	14454.0	14992.2	14140.3	13166.7	12506.8	12086.3	12026.7
67.5°	13635.9	13664.3	13957.8	14725.8	15529.1	16014.5	15132.8	14032.1	13269.4	12767.8	12717.8
70°	13481.7	13592.7	13937.4	14834.0	15951.0	16643.3	15293.8	13929.3	12923.3	12331.0	12289.1
72.5°	11757.6	11969.9	12429.7	13606.2	15392.4	16345.8	14416.2	12475.7	11337.1	10832.8	10757.0
75°	8006.6	8351.4	9045.0	10742.1	13150.5	14152.4	12136.3	9947.1	8876.1	8178.3	8126.9
77.5°	3569.9	3648.3	4527.3	6481.2	9074.9	10163.4	8817.9	6507.0	4884.3	3895.8	3687.5
80°	995.3	1007.4	1344.1	2413.7	4542.1	5971.5	4876.2	2535.4	1425.3	1004.7	946.5
82.5°	316.4	343.5	419.2	626.1	1526.7	2724.8	1567.2	676.1	481.4	384.1	346.2
85°	154.2	152.8	212.3	254.2	389.5	603.1	415.1	313.7	274.5	182.6	165.0
87.5°	64.9	66.2	98.7	89.2	113.6	97.3	133.9	140.7	147.4	81.1	70.3
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)