

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: P383635

Luminaire Tested: **GLEON-SA9B-735-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383635  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA9B-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 49091.6 lumens  
Efficiency: N/A  
Efficacy: 131.3 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

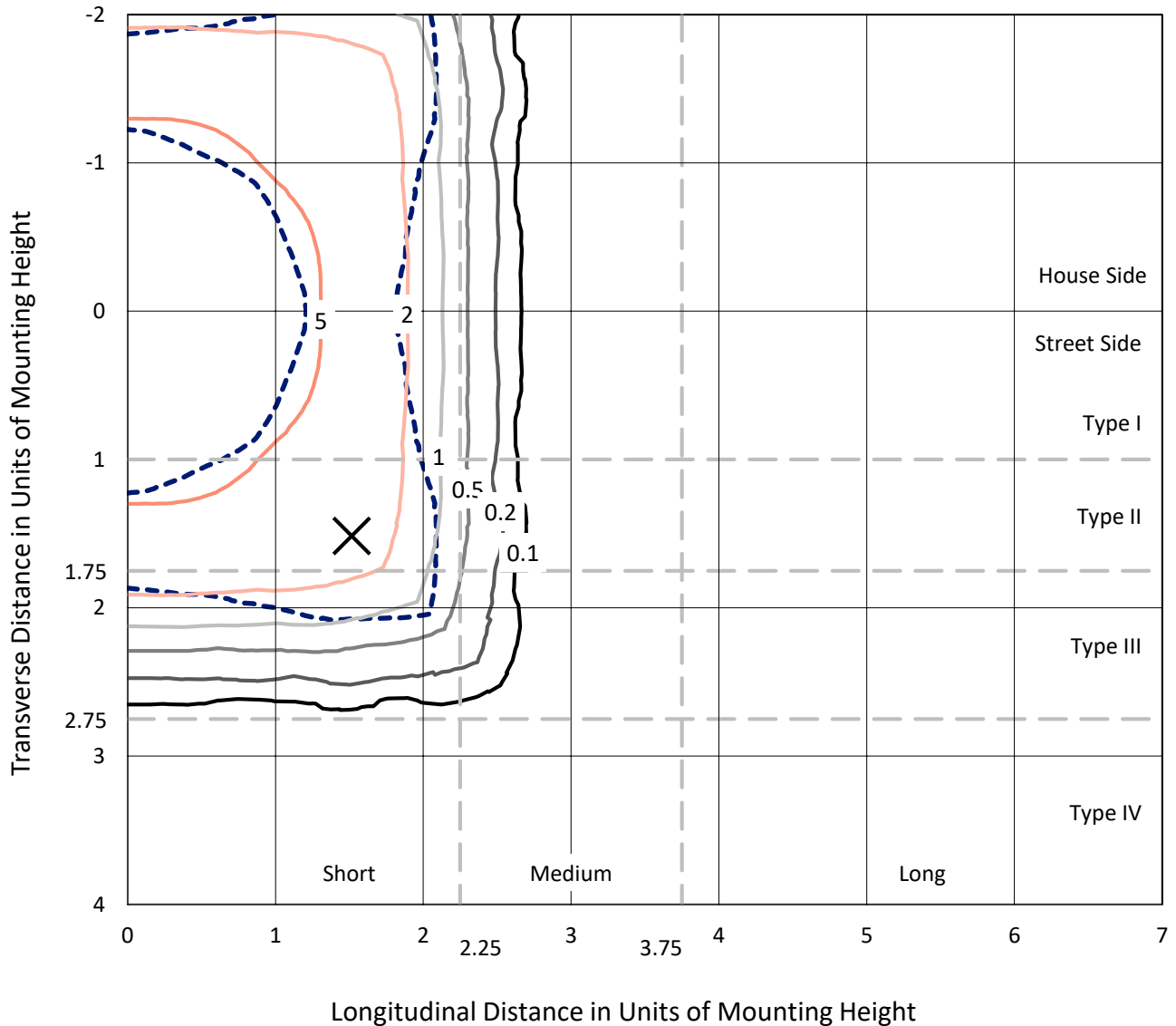
Input Watts (W): 374  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

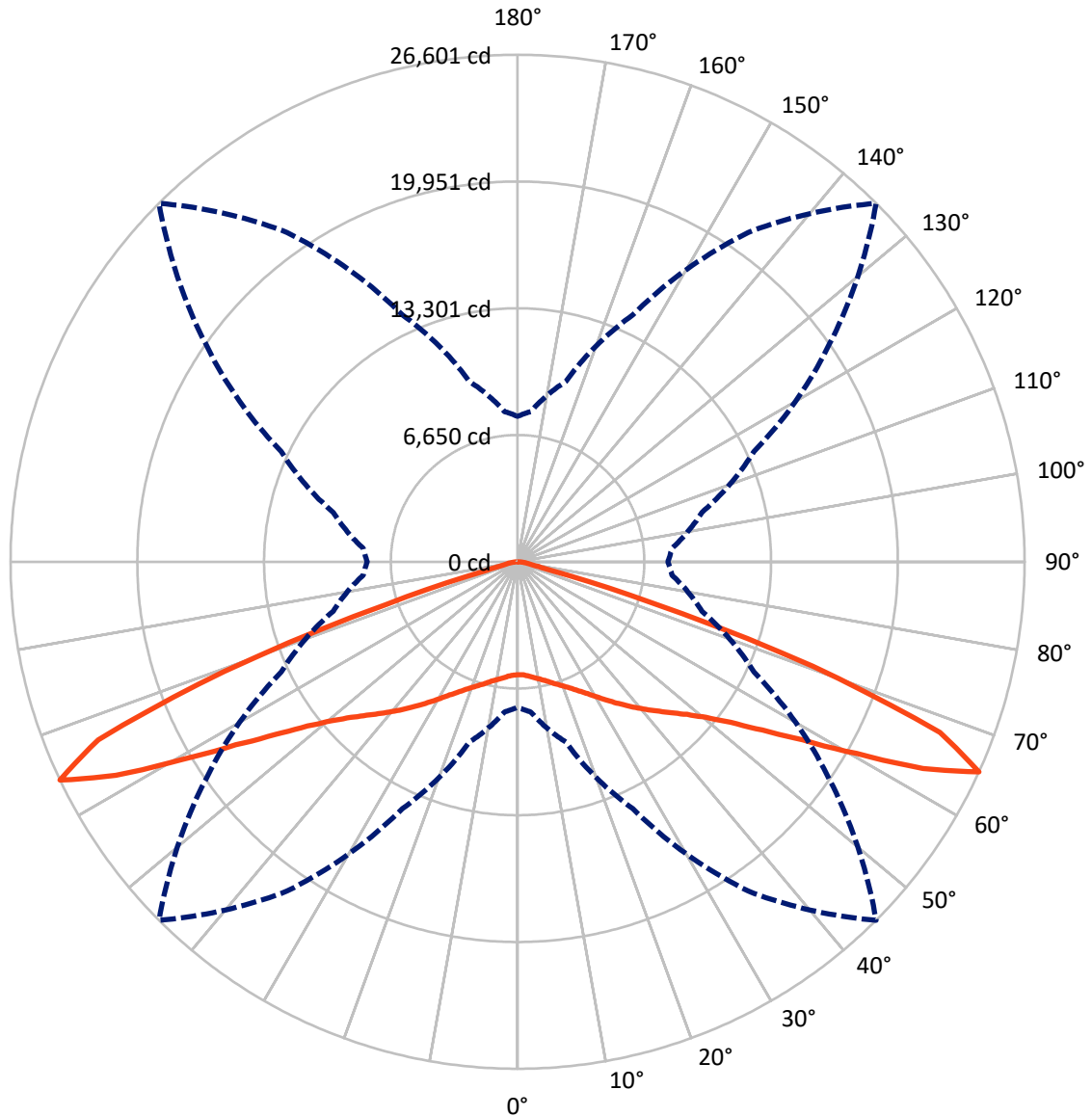
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	24545.8	0.0	24545.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	24545.8	0.0	24545.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	49091.6	0.0	49091.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	581.6	1.2
10°-20°	1869.6	3.8
20°-30°	3507.7	7.1
30°-40°	5801.1	11.8
40°-50°	8985.1	18.3
50°-60°	13780.6	28.1
60°-70°	12858.9	26.2
70°-80°	1496.6	3.0
80°-90°	210.3	0.4
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°	49091.6	100.0
0°-180°	49091.6	100.0

**Coefficient of Utilization**



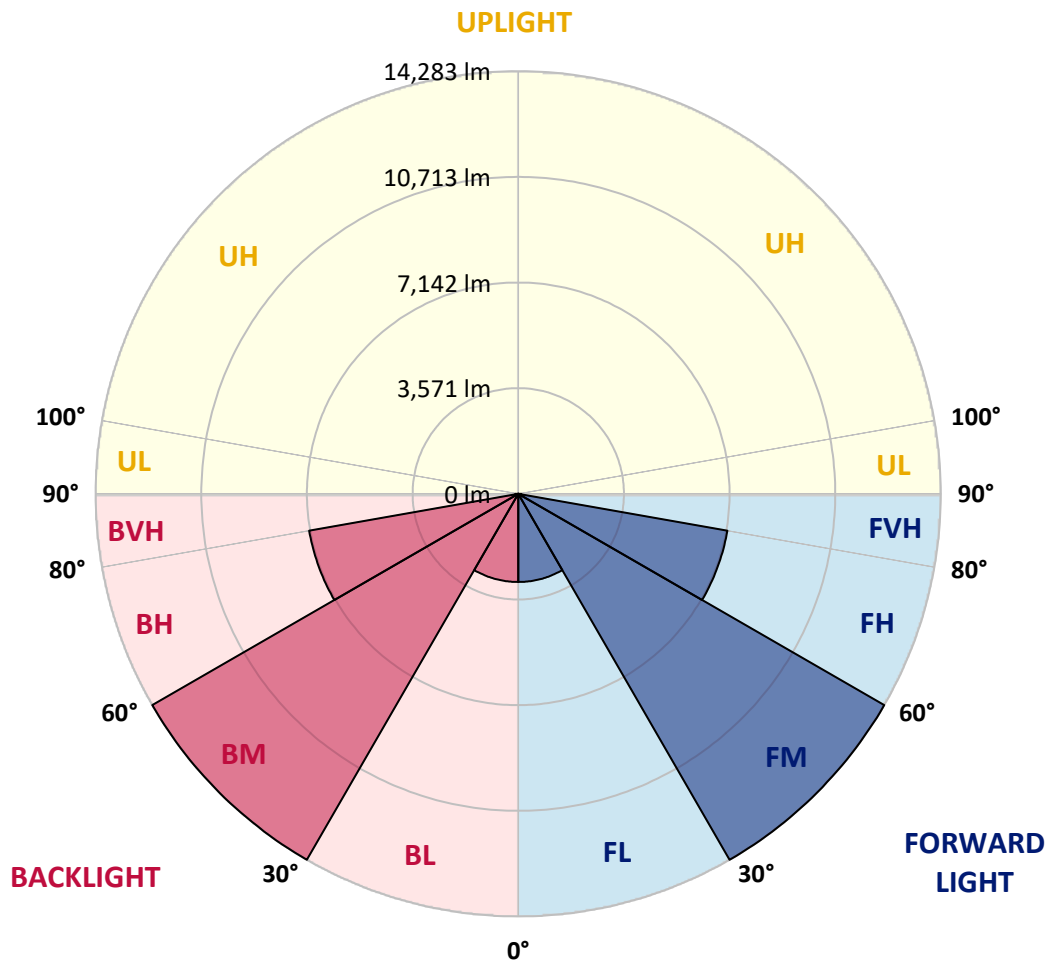
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2979.5	6.1			
FM (30°-60°)	14283.4	29.1			
FH (60°-80°)	7177.7	14.6			G3/7500
FVH (80°-90°)	105.2	0.2			G2/225
BL (0°-30°)	2979.5	6.1	B4/5000		
BM (30°-60°)	14283.4	29.1	B5		
BH (60°-80°)	7177.7	14.6	B5		G3/7500
BVH (80°-90°)	105.2	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5928.5	5928.5	5928.5	5928.5	5928.5	5928.5	5928.5	5928.5	5928.5	5928.5	5928.5
2.5°	5948.0	5944.8	5948.0	5949.6	5939.8	5944.8	5943.1	5951.3	5954.5	5951.3	5951.3
5°	6016.4	6011.6	6018.1	6026.2	6013.1	6016.4	6011.6	6021.3	6024.6	6018.1	6022.9
7.5°	6111.0	6112.5	6119.1	6133.8	6125.6	6132.1	6122.3	6124.0	6122.3	6112.5	6114.2
10°	6213.6	6215.3	6226.7	6246.2	6249.5	6249.5	6243.0	6238.0	6231.5	6225.1	6226.7
12.5°	6337.5	6345.6	6353.7	6378.2	6378.2	6391.3	6388.0	6375.0	6363.5	6353.7	6353.7
15°	6505.3	6503.7	6513.5	6537.9	6549.3	6570.5	6570.5	6552.6	6537.9	6528.1	6524.8
17.5°	6681.3	6686.2	6692.7	6722.0	6739.9	6764.4	6767.7	6753.0	6743.2	6730.2	6722.0
20°	6886.7	6894.8	6920.8	6932.3	6948.6	6971.3	6979.5	6976.3	6966.5	6960.0	6961.5
22.5°	7126.2	7147.4	7163.7	7180.0	7199.6	7215.8	7224.0	7235.3	7225.5	7220.7	7217.4
25°	7416.2	7431.0	7463.5	7492.8	7505.9	7510.8	7520.6	7536.9	7535.2	7523.8	7523.8
27.5°	7745.4	7773.1	7813.8	7856.2	7856.2	7839.9	7872.5	7900.3	7890.5	7875.8	7856.2
30°	8144.7	8170.8	8218.0	8276.7	8247.4	8235.9	8280.0	8330.5	8315.7	8291.3	8288.1
32.5°	8574.9	8599.3	8661.3	8724.8	8687.3	8671.0	8718.3	8791.6	8765.6	8716.7	8687.3
35°	9040.9	9065.4	9153.4	9230.0	9166.4	9138.8	9177.8	9257.7	9212.1	9120.8	9098.0
37.5°	9547.7	9560.8	9674.9	9753.1	9709.1	9635.7	9684.6	9743.3	9704.2	9593.4	9549.4
40°	10074.1	10121.4	10253.4	10344.6	10268.0	10152.3	10233.8	10315.3	10256.6	10114.8	10039.8
42.5°	10688.5	10724.3	10900.3	10981.8	10857.9	10695.0	10805.8	10916.6	10857.9	10721.1	10655.9
45°	11327.2	11382.7	11592.9	11674.3	11495.1	11288.1	11423.4	11617.3	11612.4	11415.3	11346.8
47.5°	12023.1	12078.5	12329.4	12437.0	12243.1	11966.0	12156.7	12430.5	12410.9	12194.2	12138.8
50°	12826.5	12885.2	13198.0	13333.2	13152.4	12829.7	13116.6	13357.7	13321.9	13054.6	13059.6
52.5°	13835.2	13831.9	14221.4	14456.0	14270.3	13985.1	14249.1	14483.8	14335.5	13965.6	13954.1
55°	14718.5	14772.2	15254.6	15699.5	15688.0	15578.8	15684.7	15694.5	15270.9	14778.7	14718.5
57.5°	15298.5	15401.2	16080.7	16885.8	17488.7	17633.7	17428.4	16806.0	15813.5	15026.4	14930.3
60°	14941.7	15098.2	16165.5	17806.5	19582.7	20435.0	19276.4	17345.3	15391.4	14294.7	14164.4
62.5°	12533.1	12797.1	14359.9	17361.6	21385.1	23876.7	20615.9	16480.0	13712.9	12202.3	11979.1
65°	7633.0	7911.6	9795.4	14289.8	21093.4	26601.4	20004.8	13678.8	10008.9	8130.0	7888.8
67.5°	2543.8	2625.3	3735.0	7898.6	16577.8	23901.2	16605.5	8188.7	4355.9	2887.6	2802.9
70°	995.6	1003.8	1184.7	2289.6	7828.5	16416.5	8638.4	2330.3	1238.5	979.3	1000.6
72.5°	731.7	734.9	785.5	956.6	2040.3	7232.1	2113.6	961.5	764.2	686.1	686.1
75°	588.3	588.3	624.1	697.4	914.2	1658.9	927.3	689.3	598.1	547.6	541.0
77.5°	464.5	474.3	501.9	549.1	619.2	798.5	642.0	545.9	482.4	435.1	425.3
80°	345.5	355.3	400.8	423.7	444.9	554.1	474.3	426.9	381.3	325.9	316.2
82.5°	226.6	236.3	293.3	306.4	301.4	361.8	319.4	314.5	280.3	210.3	200.5
85°	148.3	151.6	195.5	203.7	187.4	164.6	203.7	215.1	195.5	136.8	132.0
87.5°	70.1	70.1	99.4	92.9	84.8	68.5	92.9	109.2	110.9	66.8	65.2
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)