

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: P383662

Luminaire Tested: **GLEON-SA9C-735-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383662  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA9C-735-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 61880 lumens  
Efficiency: N/A  
Efficacy: 123.5 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

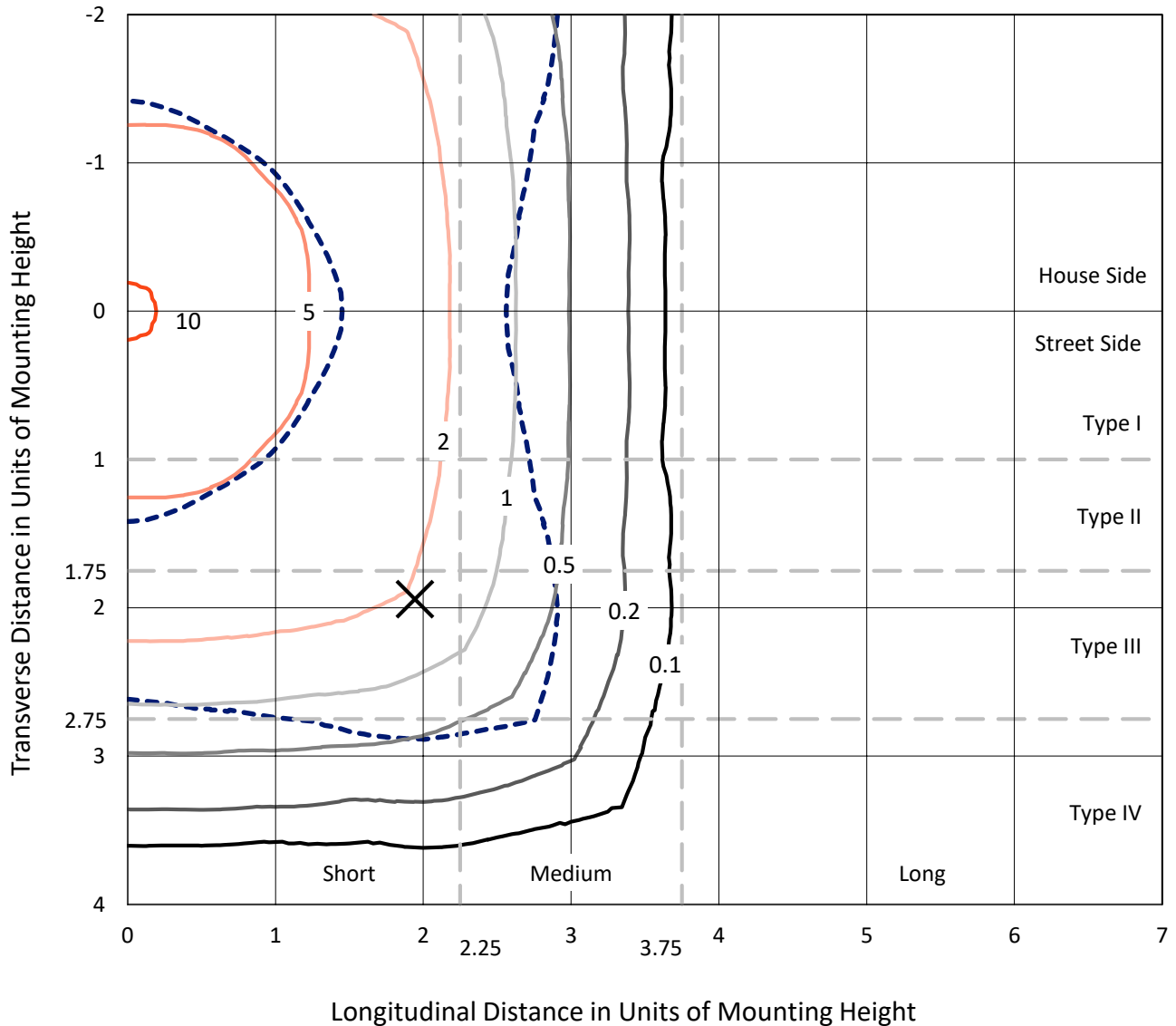
Input Watts (W): 501  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

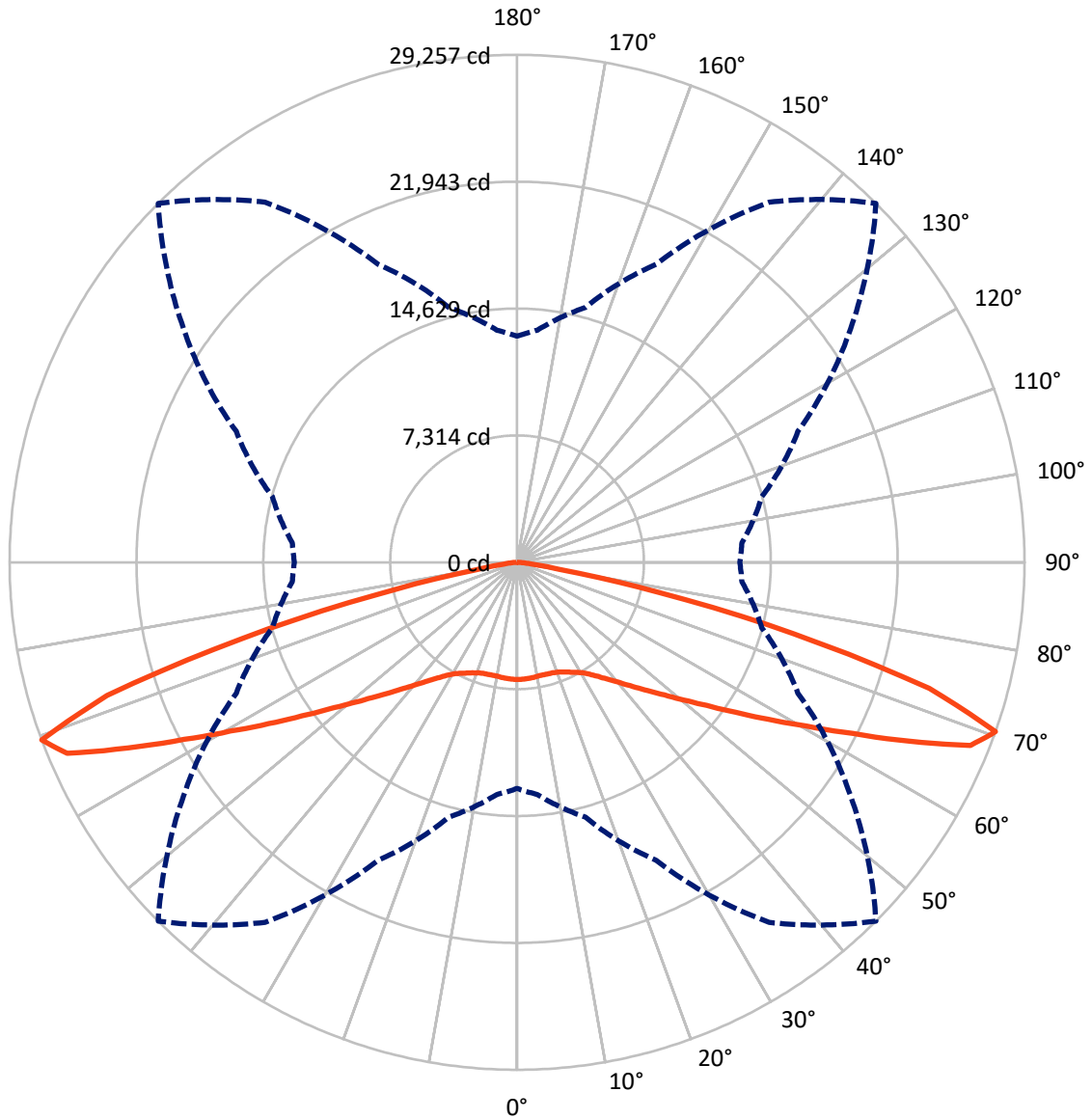
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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	30940.0	0.0	30940.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	30940.0	0.0	30940.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	61880.0	0.0	61880.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	640.1	1.0
10°-20°	1879.1	3.0
20°-30°	3198.8	5.2
30°-40°	5073.3	8.2
40°-50°	8255.9	13.3
50°-60°	13612.4	22.0
60°-70°	19983.4	32.3
70°-80°	8836.6	14.3
80°-90°	400.2	0.6
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°	61880.0	100.0
0°-180°	61880.0	100.0

**Coefficient of Utilization**

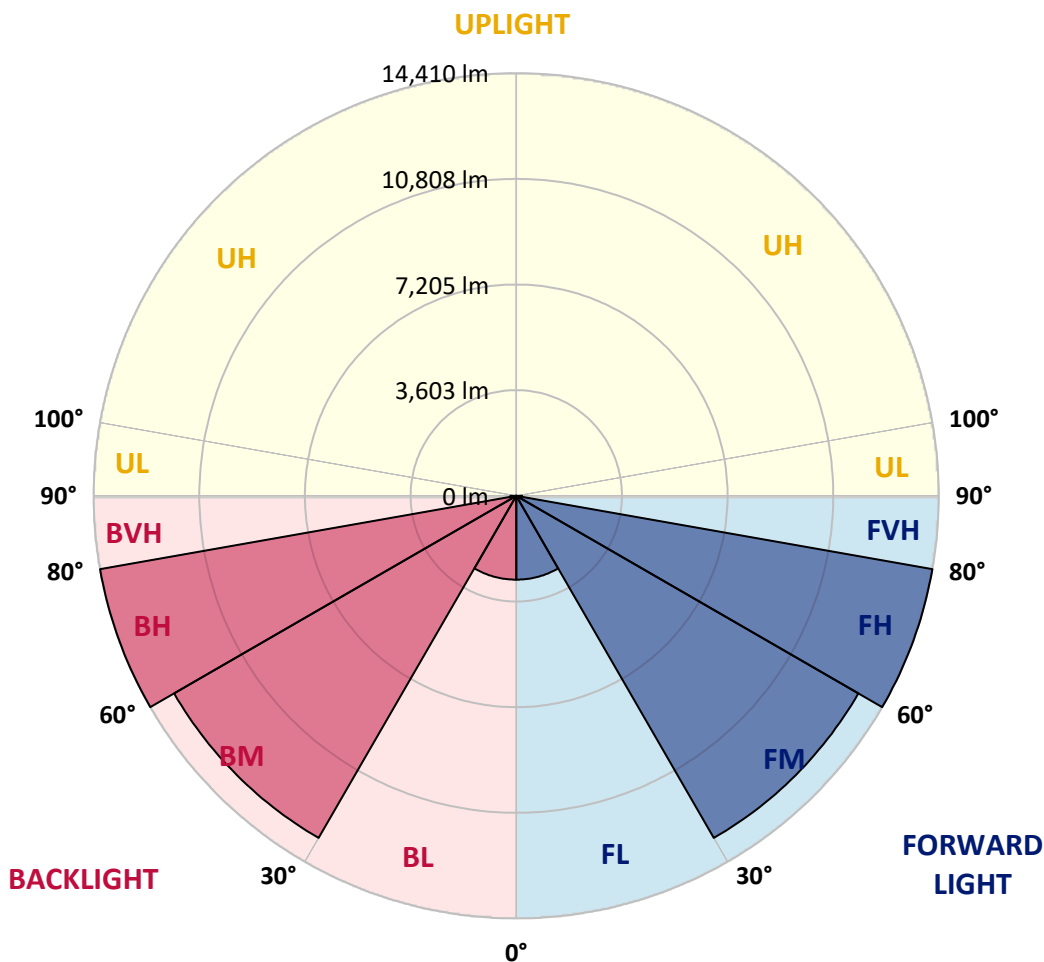


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2859.0	4.6			
FM (30°-60°)	13470.8	21.8			
FH (60°-80°)	14410.0	23.3			G5
FVH (80°-90°)	200.1	0.3			G2/225
BL (0°-30°)	2859.0	4.6	B4/5000		
BM (30°-60°)	13470.8	21.8	B5		
BH (60°-80°)	14410.0	23.3	B5		G5
BVH (80°-90°)	200.1	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6758.3	6758.3	6758.3	6758.3	6758.3	6758.3	6758.3	6758.3	6758.3	6758.3	6758.3
2.5°	6748.0	6741.9	6756.2	6754.2	6741.9	6743.9	6743.9	6750.1	6750.1	6746.0	6746.0
5°	6723.4	6719.3	6735.7	6735.7	6723.4	6727.5	6731.6	6737.8	6735.7	6731.6	6729.6
7.5°	6692.7	6690.7	6707.0	6707.0	6698.9	6703.0	6698.9	6700.9	6696.8	6692.7	6686.6
10°	6641.6	6645.6	6659.9	6664.0	6664.0	6666.1	6662.0	6651.7	6645.6	6639.5	6633.4
12.5°	6594.4	6592.4	6612.9	6623.1	6639.5	6657.9	6645.6	6617.0	6604.7	6592.4	6588.3
15°	6563.7	6565.7	6586.2	6604.7	6633.4	6672.2	6657.9	6612.9	6588.3	6573.9	6569.8
17.5°	6557.5	6561.6	6588.3	6621.1	6651.7	6694.8	6686.6	6641.6	6600.6	6573.9	6567.8
20°	6571.9	6573.9	6614.9	6662.0	6715.2	6756.2	6737.8	6688.6	6633.4	6592.4	6582.1
22.5°	6598.5	6606.7	6657.9	6731.6	6813.5	6868.9	6846.3	6762.4	6676.3	6625.2	6610.8
25°	6682.5	6684.5	6754.2	6854.5	6952.8	7016.3	6989.7	6870.9	6760.3	6703.0	6684.5
27.5°	6856.6	6862.7	6932.3	7049.0	7133.0	7173.9	7157.6	7061.3	6967.1	6905.7	6911.8
30°	7108.5	7116.7	7194.4	7323.5	7374.7	7384.9	7380.8	7335.8	7249.8	7167.9	7173.9
32.5°	7415.7	7419.8	7524.2	7640.9	7681.9	7690.1	7681.9	7640.9	7538.5	7428.0	7434.0
35°	7810.9	7823.2	7923.6	8036.2	8069.0	8085.4	8071.0	8017.7	7911.3	7802.7	7798.6
37.5°	8298.3	8300.4	8404.8	8521.5	8562.5	8566.6	8550.2	8515.4	8382.3	8284.0	8277.8
40°	8863.6	8871.8	8994.7	9119.6	9136.0	9117.5	9140.1	9119.6	8982.4	8869.7	8888.1
42.5°	9551.6	9570.1	9717.5	9840.4	9793.4	9783.1	9797.5	9803.5	9692.9	9555.7	9543.4
45°	10352.4	10368.8	10553.1	10651.4	10620.7	10553.1	10581.8	10630.9	10477.3	10307.4	10323.8
47.5°	11265.8	11306.8	11503.4	11595.5	11519.7	11427.6	11482.9	11556.6	11376.4	11165.4	11155.2
50°	12281.6	12332.8	12594.9	12723.9	12648.2	12478.2	12570.3	12619.5	12359.4	12087.0	12064.5
52.5°	13364.9	13416.1	13745.8	14012.1	13963.0	13698.8	13827.8	13776.6	13477.6	13111.0	13082.4
55°	14591.7	14612.2	14968.5	15398.6	15447.8	15253.2	15245.0	15161.0	14718.6	14294.7	14274.2
57.5°	15853.2	15867.5	16328.4	16836.2	17067.6	17067.6	16838.3	16660.1	16072.4	15580.9	15529.6
60°	17215.1	17266.3	17776.3	18466.4	19007.1	19166.8	18761.3	18275.9	17637.0	17036.9	16977.5
62.5°	18427.5	18486.8	19267.2	20295.3	21163.6	21745.2	20753.9	19963.4	18800.2	17837.6	17725.0
65°	18581.1	18740.9	19877.5	21739.1	23682.5	24843.7	22943.3	20995.6	18875.9	17538.7	17424.0
67.5°	16969.4	17239.7	18775.6	21673.5	25689.6	28181.9	24342.0	20405.8	17516.2	16037.5	15910.6
70°	13039.3	13432.5	15204.0	18957.9	25343.4	29257.1	23465.5	17864.3	14604.0	13012.7	12834.5
72.5°	7153.5	7315.3	8908.6	12982.0	20317.8	24862.2	19572.3	13209.3	9684.7	7880.5	7581.5
75°	2269.2	2326.4	3137.5	5312.4	11493.2	16467.6	12433.1	6483.9	3569.6	2631.6	2600.9
77.5°	1007.6	1013.7	1134.5	1550.3	3958.7	8343.4	4755.4	1765.4	1216.5	1062.9	1097.7
80°	636.9	636.9	702.5	768.0	1077.2	2422.8	1286.1	839.7	716.8	665.6	679.9
82.5°	305.2	337.9	456.7	491.5	591.9	815.1	659.4	548.9	479.2	356.3	331.7
85°	200.7	168.0	288.8	325.7	344.0	391.2	383.0	362.5	313.4	178.2	198.6
87.5°	90.1	86.0	149.5	137.2	129.0	98.3	147.5	182.3	176.2	88.0	88.0
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)