

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: P316613

Luminaire Tested: **GLEON-SA9C-827-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316613
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-827-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 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: 48832 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

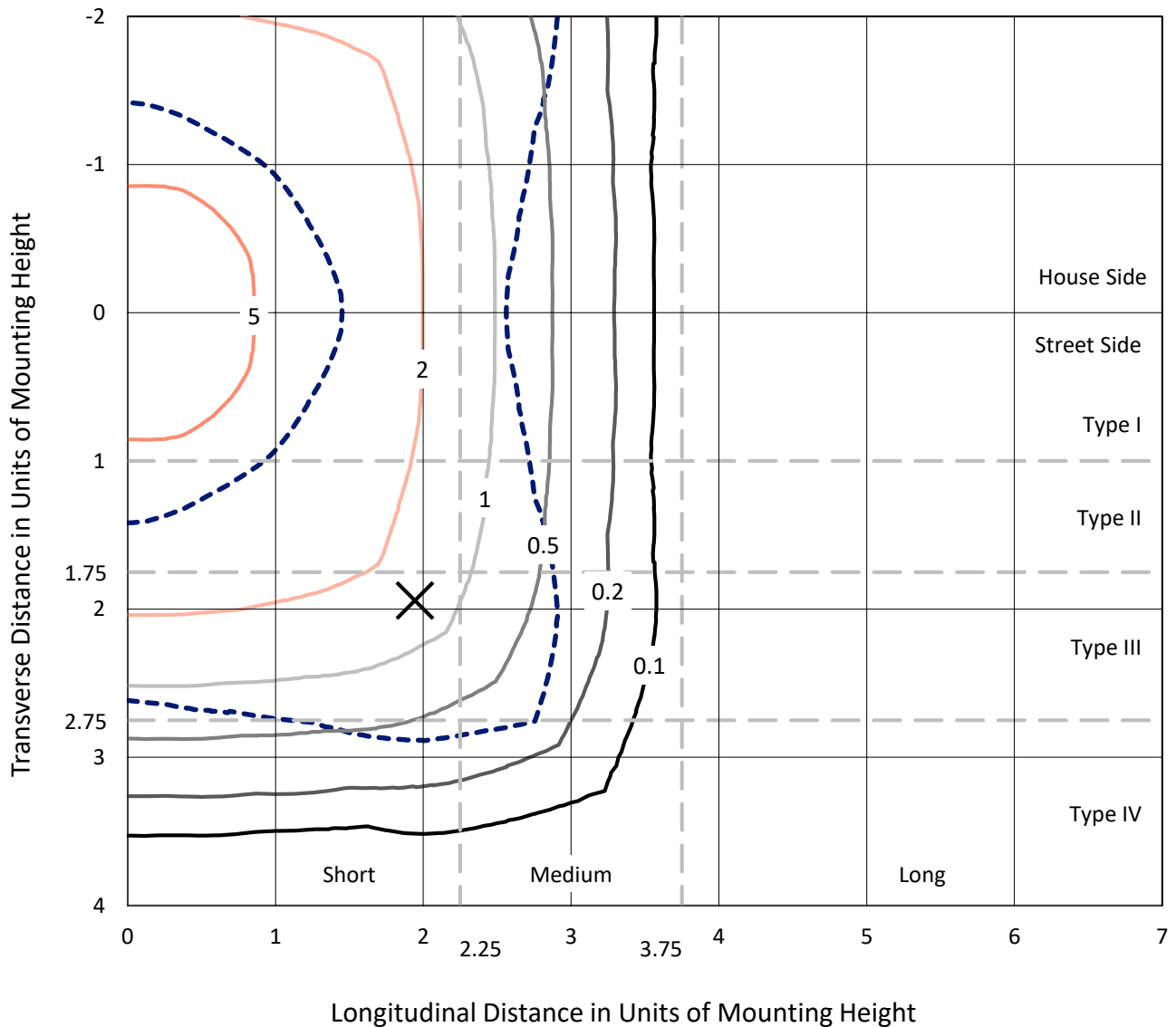
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

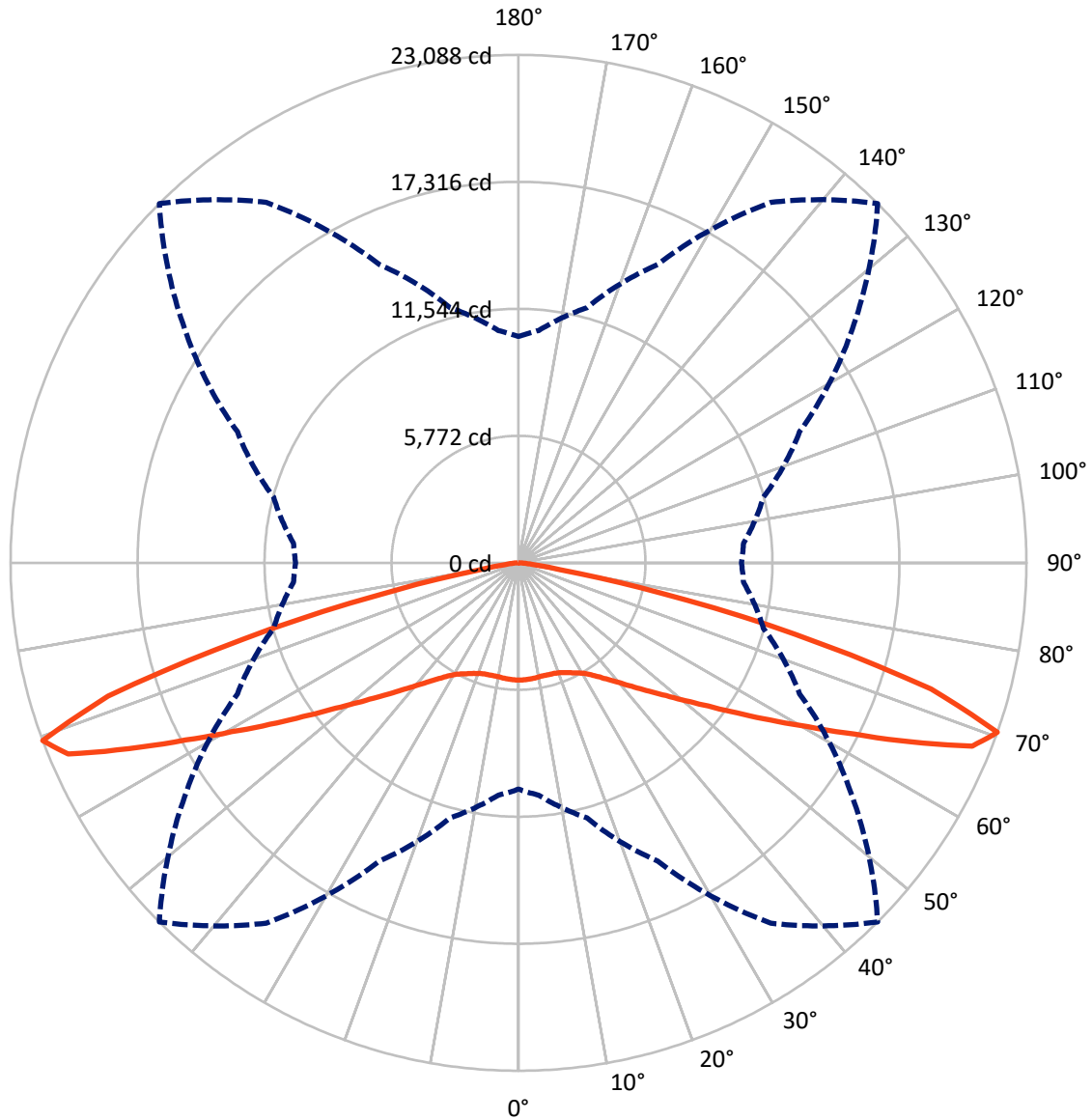
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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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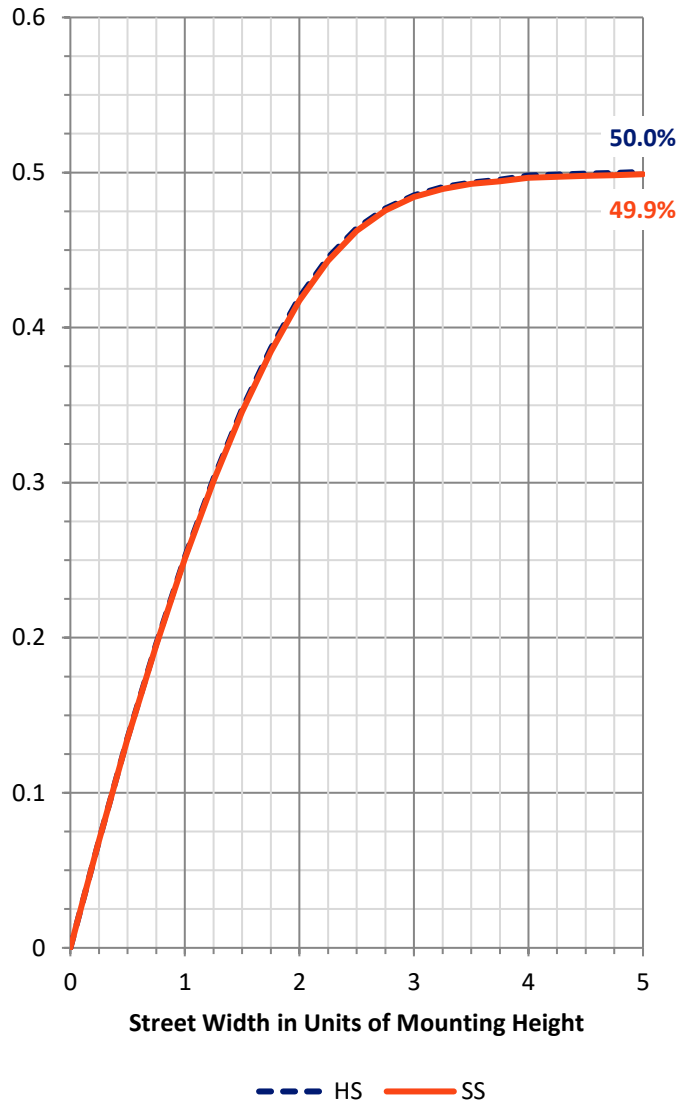
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24416.0	0.0	24416.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24416.0	0.0	24416.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	48832.0	0.0	48832.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.1	1.0
10°-20°	1482.9	3.0
20°-30°	2524.3	5.2
30°-40°	4003.6	8.2
40°-50°	6515.0	13.3
50°-60°	10742.1	22.0
60°-70°	15769.8	32.3
70°-80°	6973.4	14.3
80°-90°	315.8	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°	48832.0	100.0
0°-180°	48832.0	100.0

Coefficient of Utilization

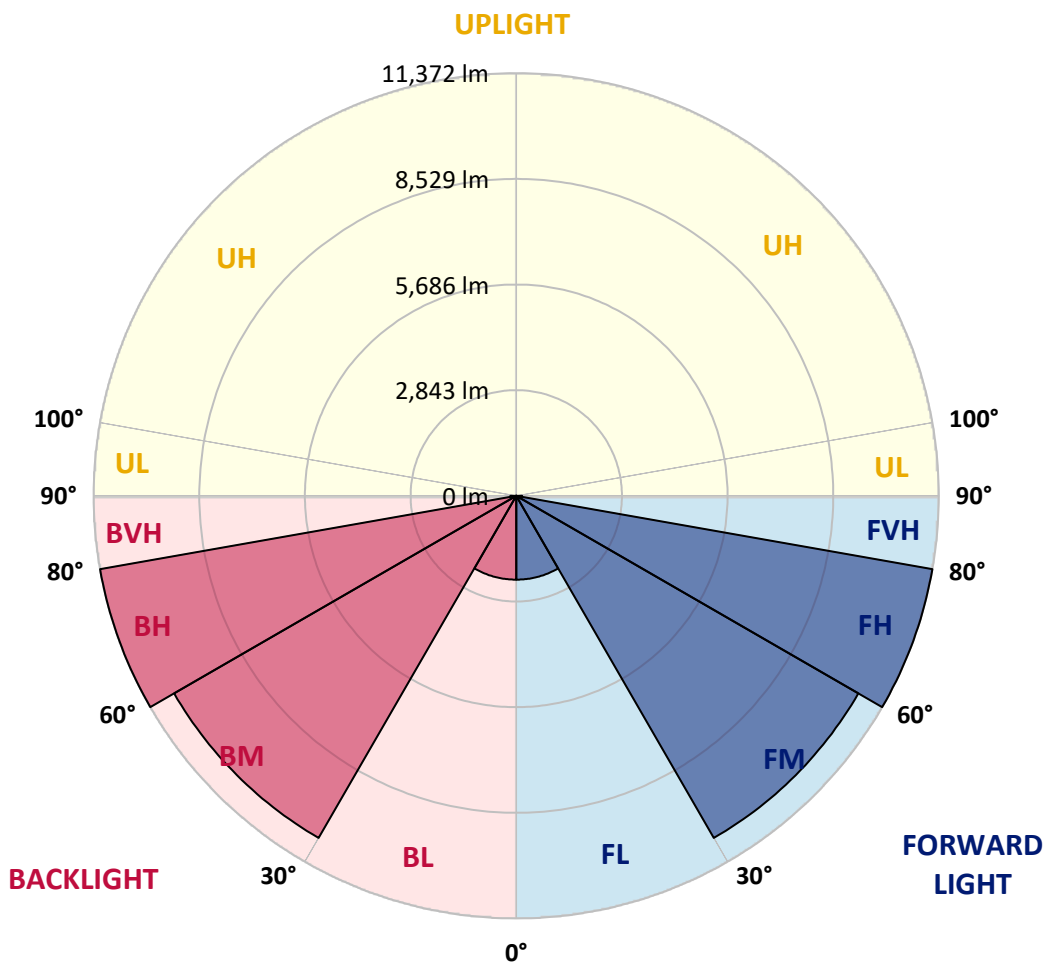


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2256.2	4.6			
FM (30°-60°)	10630.4	21.8			
FH (60°-80°)	11371.6	23.3			G4/12000
FVH (80°-90°)	157.9	0.3			G2/225
BL (0°-30°)	2256.2	4.6	B3/2500		
BM (30°-60°)	10630.4	21.8	B5		
BH (60°-80°)	11371.6	23.3	B5		G4/12000
BVH (80°-90°)	157.9	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-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5333.2	5333.2	5333.2	5333.2	5333.2	5333.2	5333.2	5333.2	5333.2	5333.2	5333.2
2.5°	5325.1	5320.3	5331.6	5330.0	5320.3	5321.9	5321.9	5326.7	5326.7	5323.5	5323.5
5°	5305.7	5302.5	5315.4	5315.4	5305.7	5309.0	5312.2	5317.1	5315.4	5312.2	5310.6
7.5°	5281.5	5279.9	5292.8	5292.8	5286.3	5289.6	5286.3	5288.0	5284.7	5281.5	5276.6
10°	5241.1	5244.3	5255.6	5258.9	5258.9	5260.5	5257.3	5249.2	5244.3	5239.5	5234.6
12.5°	5203.9	5202.3	5218.5	5226.6	5239.5	5254.0	5244.3	5221.7	5212.0	5202.3	5199.1
15°	5179.7	5181.3	5197.5	5212.0	5234.6	5265.3	5254.0	5218.5	5199.1	5187.8	5184.5
17.5°	5174.8	5178.1	5199.1	5224.9	5249.2	5283.1	5276.6	5241.1	5208.8	5187.8	5182.9
20°	5186.1	5187.8	5220.1	5257.3	5299.3	5331.6	5317.1	5278.3	5234.6	5202.3	5194.2
22.5°	5207.2	5213.6	5254.0	5312.2	5376.8	5420.5	5402.7	5336.4	5268.6	5228.2	5216.9
25°	5273.4	5275.0	5330.0	5409.2	5486.7	5536.8	5515.8	5422.1	5334.8	5289.6	5275.0
27.5°	5410.8	5415.6	5470.6	5562.7	5629.0	5661.3	5648.4	5572.4	5498.1	5449.6	5454.4
30°	5609.6	5616.0	5677.4	5779.3	5819.7	5827.7	5824.5	5789.0	5721.1	5656.4	5661.3
32.5°	5852.0	5855.2	5937.6	6029.8	6062.1	6068.6	6062.1	6029.8	5949.0	5861.7	5866.5
35°	6163.9	6173.6	6252.8	6341.7	6367.5	6380.5	6369.2	6327.1	6243.1	6157.4	6154.2
37.5°	6548.5	6550.2	6632.6	6724.7	6757.0	6760.3	6747.3	6719.9	6614.8	6537.2	6532.4
40°	6994.6	7001.1	7098.0	7196.6	7209.5	7195.0	7212.8	7196.6	7088.3	6999.4	7014.0
42.5°	7537.6	7552.2	7668.5	7765.5	7728.3	7720.2	7731.5	7736.4	7649.1	7540.8	7531.1
45°	8169.5	8182.4	8327.9	8405.5	8381.2	8327.9	8350.5	8389.3	8268.1	8134.0	8146.9
47.5°	8890.3	8922.6	9077.8	9150.5	9090.7	9018.0	9061.6	9119.8	8977.6	8811.1	8803.0
50°	9691.9	9732.3	9939.2	10041.0	9981.2	9847.1	9919.8	9958.6	9753.3	9538.4	9520.6
52.5°	10546.8	10587.2	10847.4	11057.5	11018.7	10810.3	10912.1	10871.7	10635.7	10346.4	10323.8
55°	11514.9	11531.1	11812.3	12151.6	12190.4	12036.9	12030.4	11964.2	11615.1	11280.6	11264.4
57.5°	12510.4	12521.7	12885.4	13286.2	13468.8	13468.8	13287.8	13147.2	12683.4	12295.5	12255.1
60°	13585.2	13625.6	14028.0	14572.6	14999.3	15125.3	14805.3	14422.3	13918.1	13444.5	13397.7
62.5°	14541.9	14588.8	15204.5	16015.8	16701.0	17160.0	16377.8	15754.0	14836.0	14076.5	13987.6
65°	14663.1	14789.2	15686.1	17155.2	18688.9	19605.2	18105.5	16568.5	14895.8	13840.5	13750.0
67.5°	13391.2	13604.5	14816.6	17103.5	20272.7	22239.5	19209.3	16103.1	13822.7	12655.9	12555.7
70°	10289.9	10600.2	11998.1	14960.5	19999.6	23088.0	18517.6	14097.5	11524.6	10268.9	10128.3
72.5°	5645.1	5772.8	7030.1	10244.6	16033.6	19619.8	15445.3	10424.0	7642.7	6218.9	5982.9
75°	1790.7	1835.9	2475.9	4192.2	9069.7	12995.3	9811.5	5116.7	2816.9	2076.7	2052.5
77.5°	795.1	800.0	895.3	1223.4	3124.0	6584.1	3752.6	1393.1	960.0	838.8	866.2
80°	502.6	502.6	554.3	606.0	850.1	1911.9	1014.9	662.6	565.6	525.2	536.6
82.5°	240.8	266.7	360.4	387.9	467.1	643.2	520.4	433.1	378.2	281.2	261.8
85°	158.4	132.5	227.9	257.0	271.5	308.7	302.2	286.1	247.3	140.6	156.8
87.5°	71.1	67.9	118.0	108.3	101.8	77.6	116.4	143.8	139.0	69.5	69.5
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)