

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: P316914

Luminaire Tested: **GLEON-SA0A-827-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316914
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-SA0A-827-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34978 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

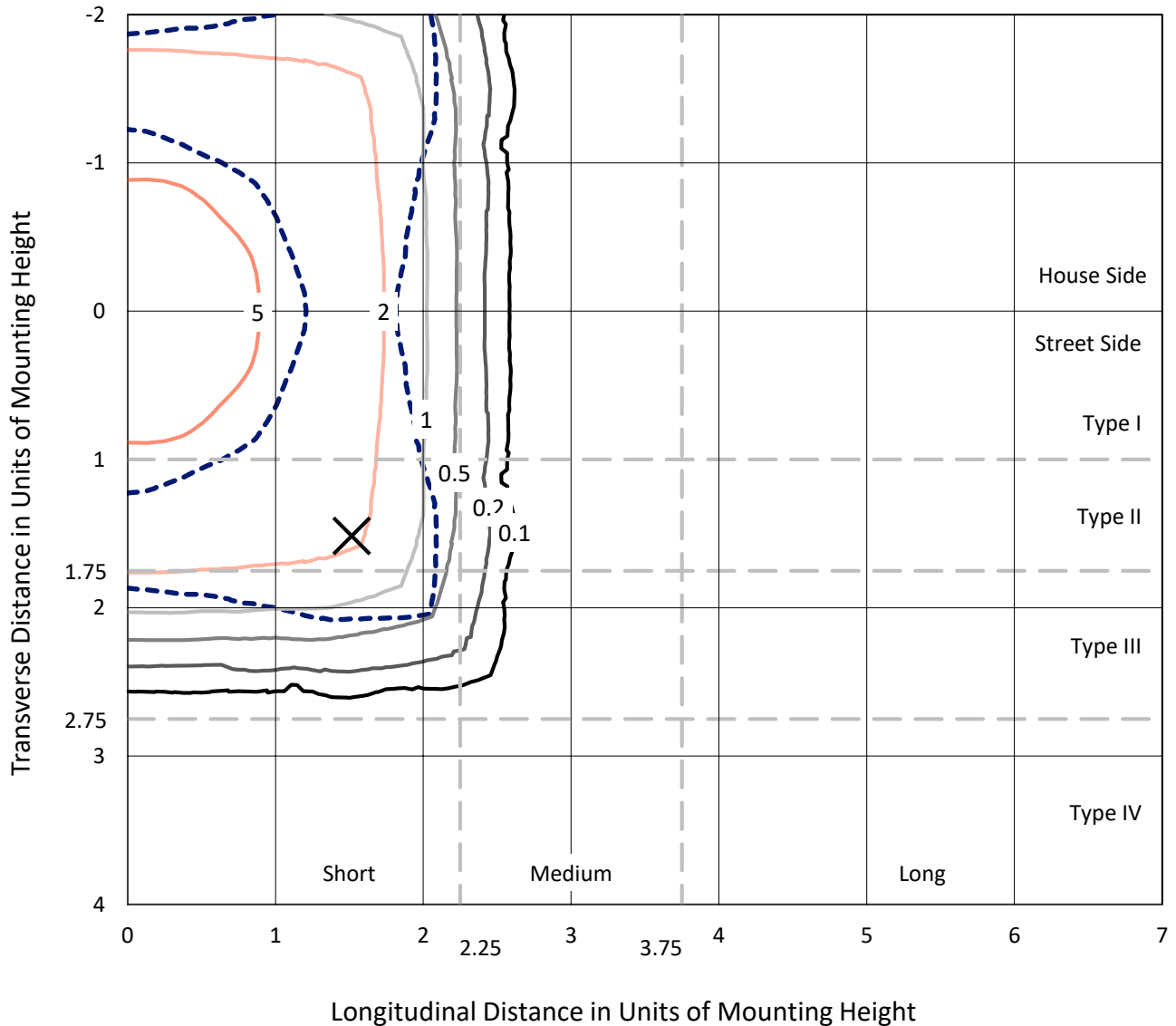
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

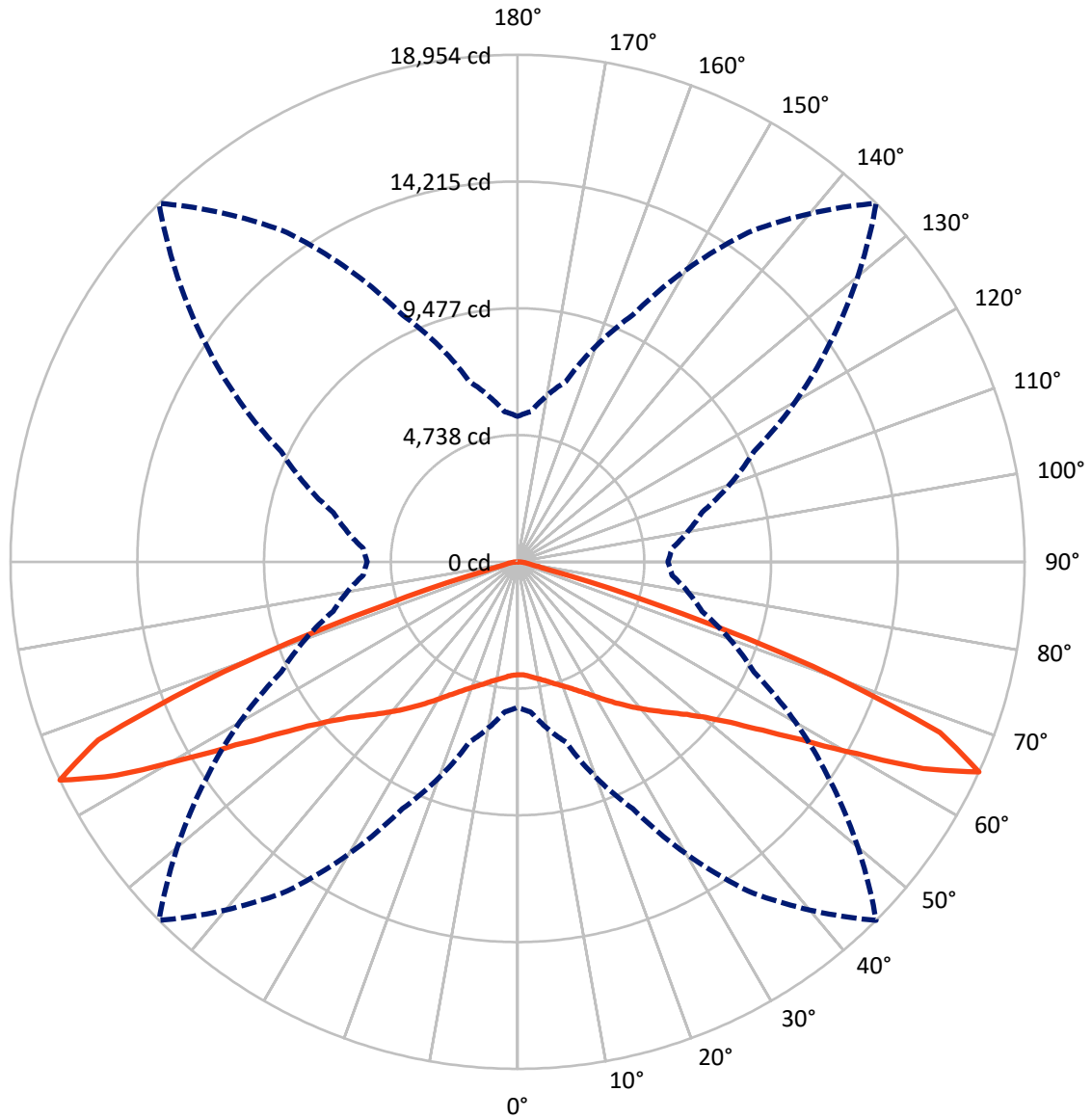
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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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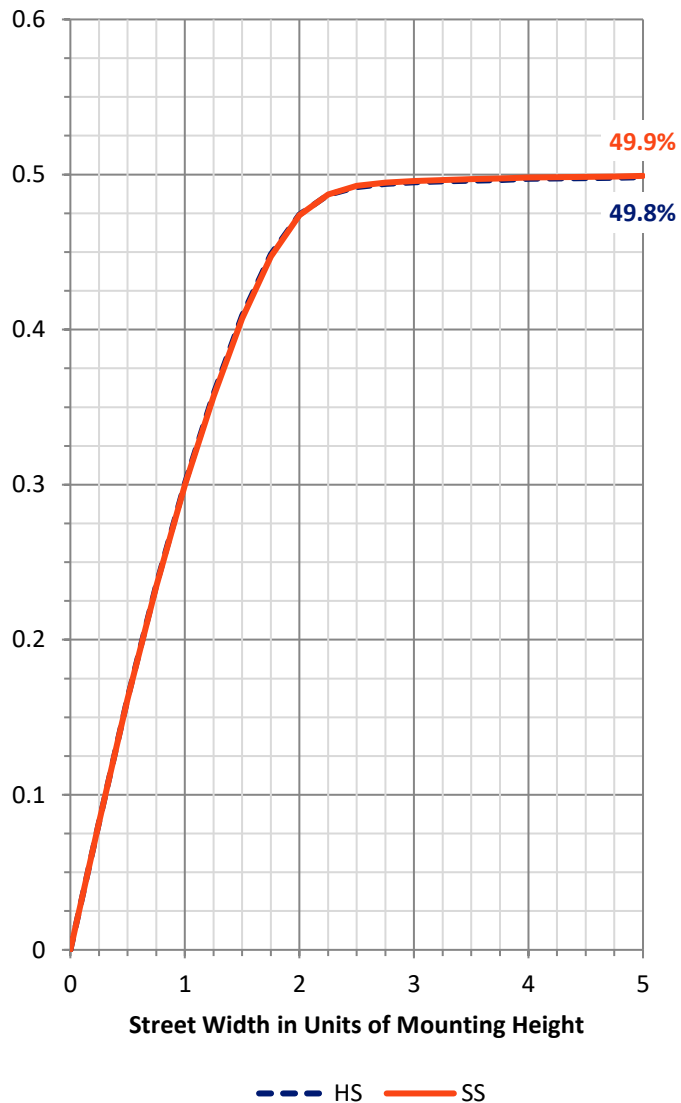
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17489.0	0.0	17489.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17489.0	0.0	17489.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34978.0	0.0	34978.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.4	1.2
10°-20°	1332.1	3.8
20°-30°	2499.3	7.1
30°-40°	4133.3	11.8
40°-50°	6401.9	18.3
50°-60°	9818.8	28.1
60°-70°	9162.0	26.2
70°-80°	1066.3	3.0
80°-90°	149.8	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°	34978.0	100.0
0°-180°	34978.0	100.0

Coefficient of Utilization

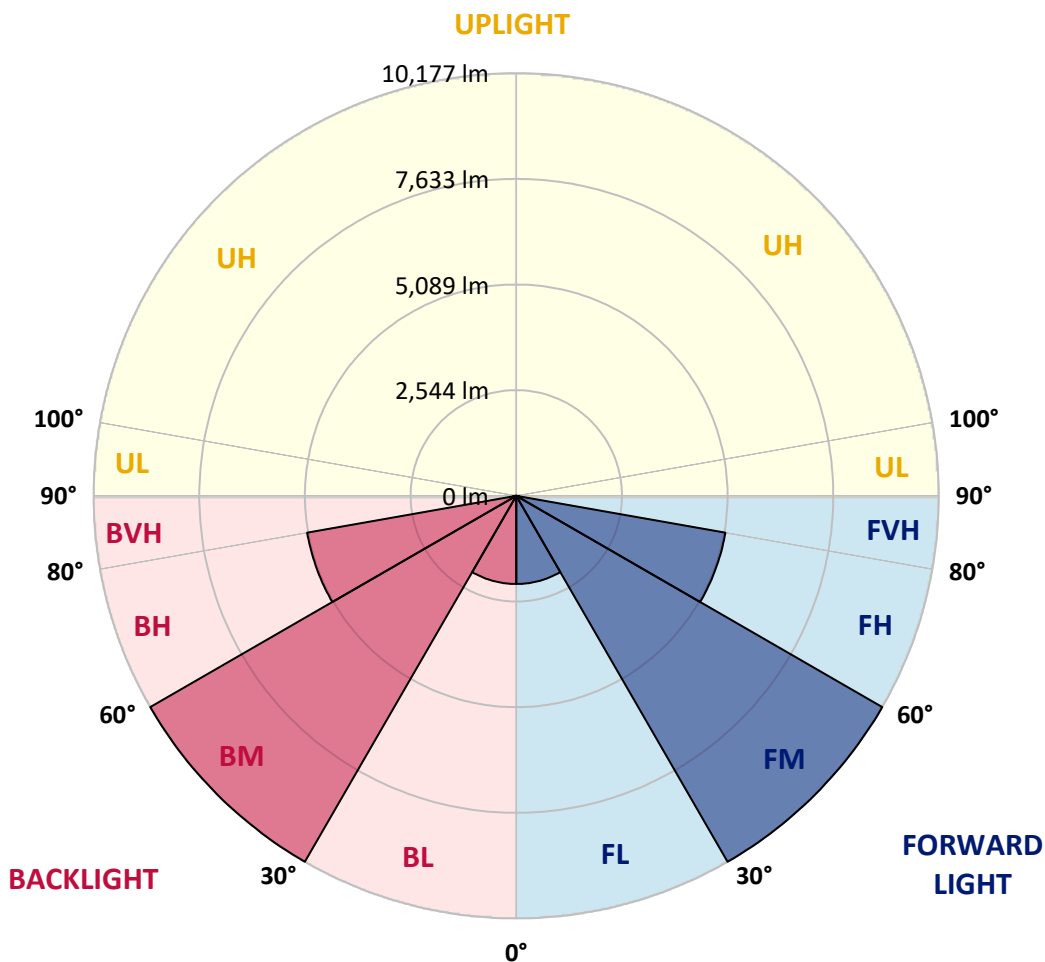


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2122.9	6.1			
FM (30°-60°)	10177.0	29.1			
FH (60°-80°)	5114.2	14.6			G3/7500
FVH (80°-90°)	74.9	0.2			G1/100
BL (0°-30°)	2122.9	6.1	B3/2500		
BM (30°-60°)	10177.0	29.1	B5		
BH (60°-80°)	5114.2	14.6	B5		G3/7500
BVH (80°-90°)	74.9	0.2			G1/100
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°	4224.0	4224.0	4224.0	4224.0	4224.0	4224.0	4224.0	4224.0	4224.0	4224.0	4224.0
2.5°	4238.0	4235.6	4238.0	4239.1	4232.2	4235.6	4234.5	4240.3	4242.6	4240.3	4240.3
5°	4286.7	4283.3	4287.9	4293.7	4284.4	4286.7	4283.3	4290.2	4292.5	4287.9	4291.4
7.5°	4354.1	4355.2	4359.9	4370.3	4364.5	4369.2	4362.2	4363.4	4362.2	4355.2	4356.4
10°	4427.2	4428.4	4436.5	4450.4	4452.8	4452.8	4448.1	4444.6	4440.0	4435.4	4436.5
12.5°	4515.5	4521.3	4527.1	4544.5	4544.5	4553.8	4551.5	4542.2	4534.0	4527.1	4527.1
15°	4635.1	4633.9	4640.9	4658.3	4666.4	4681.5	4681.5	4668.7	4658.3	4651.3	4649.0
17.5°	4760.5	4763.9	4768.6	4789.5	4802.3	4819.7	4822.0	4811.5	4804.6	4795.3	4789.5
20°	4906.8	4912.6	4931.1	4939.3	4950.9	4967.1	4972.9	4970.6	4963.6	4959.0	4960.2
22.5°	5077.4	5092.5	5104.1	5115.8	5129.7	5141.3	5147.1	5155.2	5148.3	5144.8	5142.5
25°	5284.1	5294.6	5317.8	5338.7	5348.0	5351.5	5358.4	5370.0	5368.9	5360.7	5360.7
27.5°	5518.6	5538.4	5567.4	5597.6	5597.6	5586.0	5609.2	5629.0	5622.0	5611.5	5597.6
30°	5803.1	5821.7	5855.4	5897.2	5876.3	5868.1	5899.5	5935.5	5925.0	5907.6	5905.3
32.5°	6109.6	6127.1	6171.2	6216.5	6189.8	6178.1	6211.8	6264.1	6245.5	6210.7	6189.8
35°	6441.7	6459.1	6521.8	6576.4	6531.1	6511.4	6539.2	6596.1	6563.6	6498.6	6482.4
37.5°	6802.8	6812.1	6893.4	6949.1	6917.8	6865.5	6900.3	6942.1	6914.3	6835.3	6804.0
40°	7177.8	7211.5	7305.6	7370.6	7316.0	7233.6	7291.6	7349.7	7307.9	7206.9	7153.5
42.5°	7615.6	7641.1	7766.5	7824.6	7736.3	7620.2	7699.2	7778.1	7736.3	7638.8	7592.4
45°	8070.7	8110.2	8260.0	8318.0	8190.3	8042.9	8139.2	8277.4	8273.9	8133.4	8084.7
47.5°	8566.5	8606.0	8784.8	8861.4	8723.3	8525.9	8661.7	8856.8	8842.8	8688.4	8648.9
50°	9138.9	9180.7	9403.6	9500.0	9371.1	9141.2	9345.6	9517.4	9491.9	9301.5	9305.0
52.5°	9857.6	9855.3	10132.8	10300.0	10167.6	9964.5	10152.5	10319.7	10214.1	9950.5	9942.4
55°	10486.9	10525.3	10868.9	11185.9	11177.8	11100.0	11175.5	11182.4	10880.6	10529.9	10486.9
57.5°	10900.3	10973.4	11457.6	12031.2	12460.8	12564.1	12417.8	11974.3	11267.2	10706.4	10637.9
60°	10646.0	10757.5	11518.0	12687.2	13952.8	14560.0	13734.5	12358.6	10966.5	10185.1	10092.2
62.5°	8929.9	9118.0	10231.5	12370.2	15237.0	17012.3	14688.9	11742.1	9770.6	8694.2	8535.2
65°	5438.5	5637.1	6979.3	10181.6	15029.1	18953.6	14253.5	9746.2	7131.4	5792.7	5620.8
67.5°	1812.5	1870.5	2661.2	5627.8	11811.7	17029.7	11831.5	5834.5	3103.6	2057.4	1997.1
70°	709.4	715.2	844.1	1631.3	5577.9	11696.8	6154.9	1660.4	882.4	697.8	712.9
72.5°	521.3	523.7	559.6	681.6	1453.7	5152.9	1505.9	685.0	544.6	488.8	488.8
75°	419.2	419.2	444.7	496.9	651.4	1182.0	660.7	491.1	426.1	390.1	385.5
77.5°	330.9	337.9	357.6	391.3	441.2	568.9	457.5	389.0	343.7	310.0	303.0
80°	246.2	253.1	285.6	301.9	317.0	394.8	337.9	304.2	271.7	232.2	225.3
82.5°	161.4	168.4	209.0	218.3	214.8	257.8	227.6	224.1	199.7	149.8	142.8
85°	105.7	108.0	139.3	145.1	133.5	117.3	145.1	153.3	139.3	97.5	94.0
87.5°	49.9	49.9	70.8	66.2	60.4	48.8	66.2	77.8	79.0	47.6	46.4
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)