

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: P316923

Luminaire Tested: **GLEON-SA9B-827-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316923
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-827-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 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: 38740 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

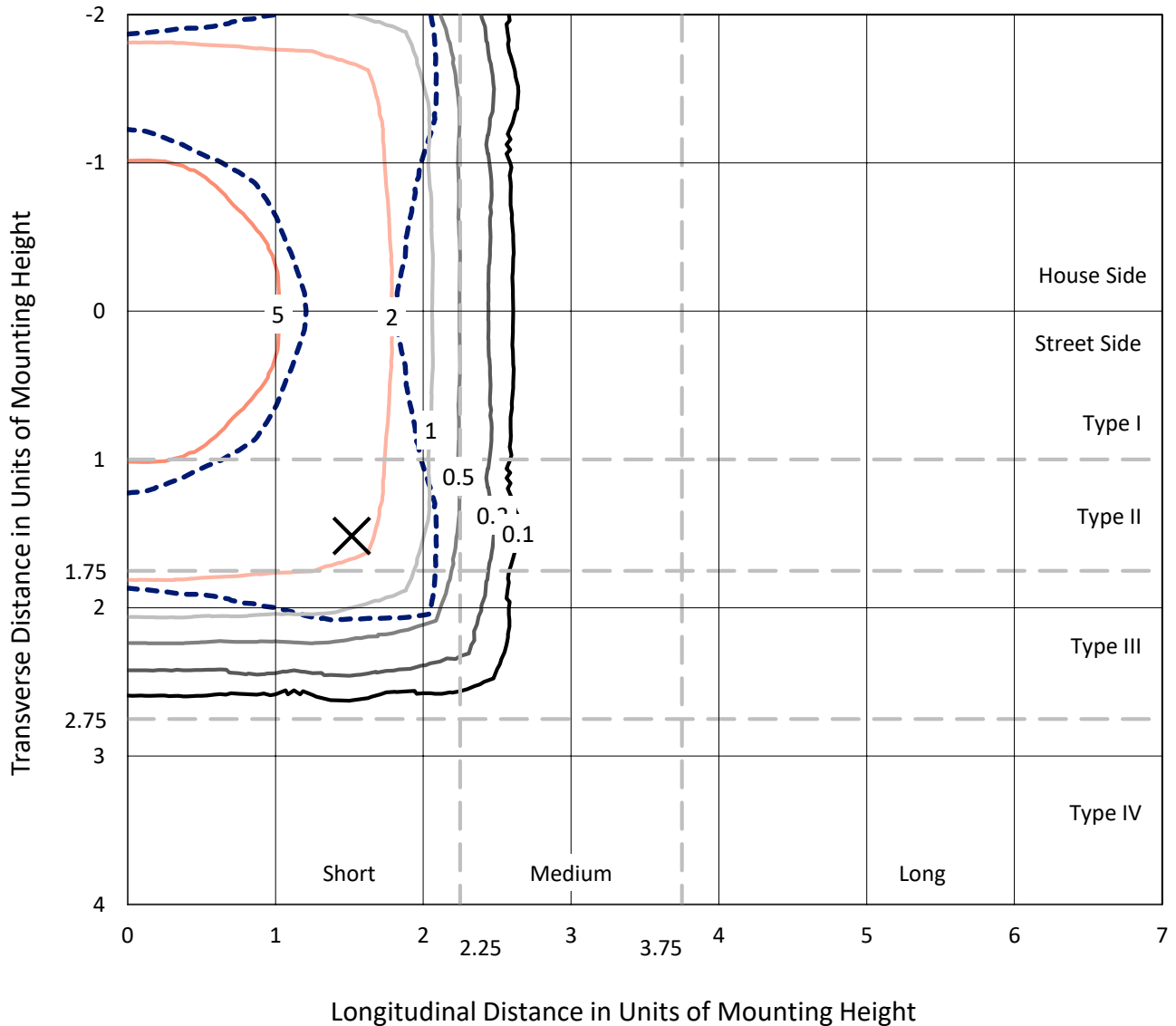
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

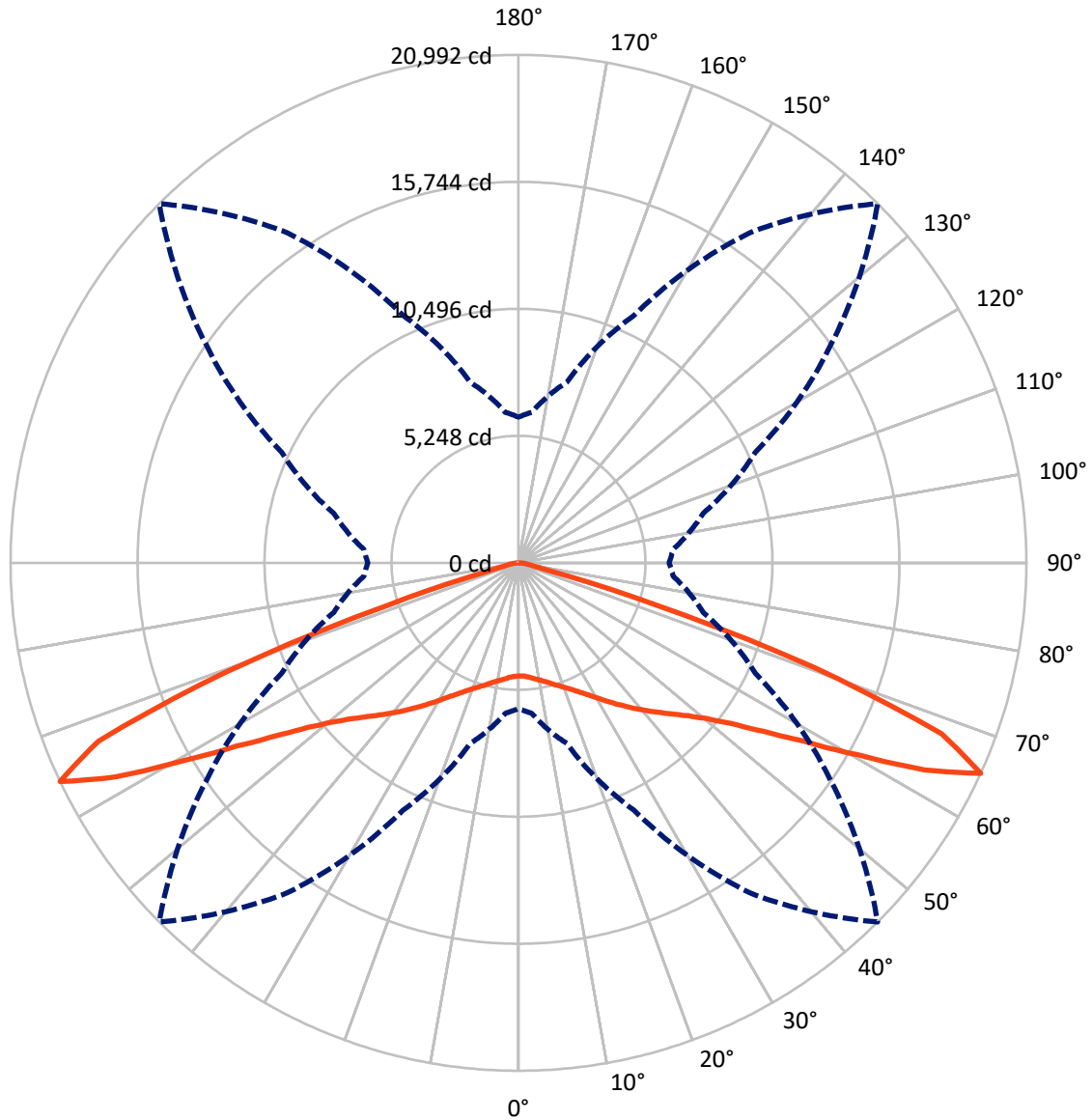
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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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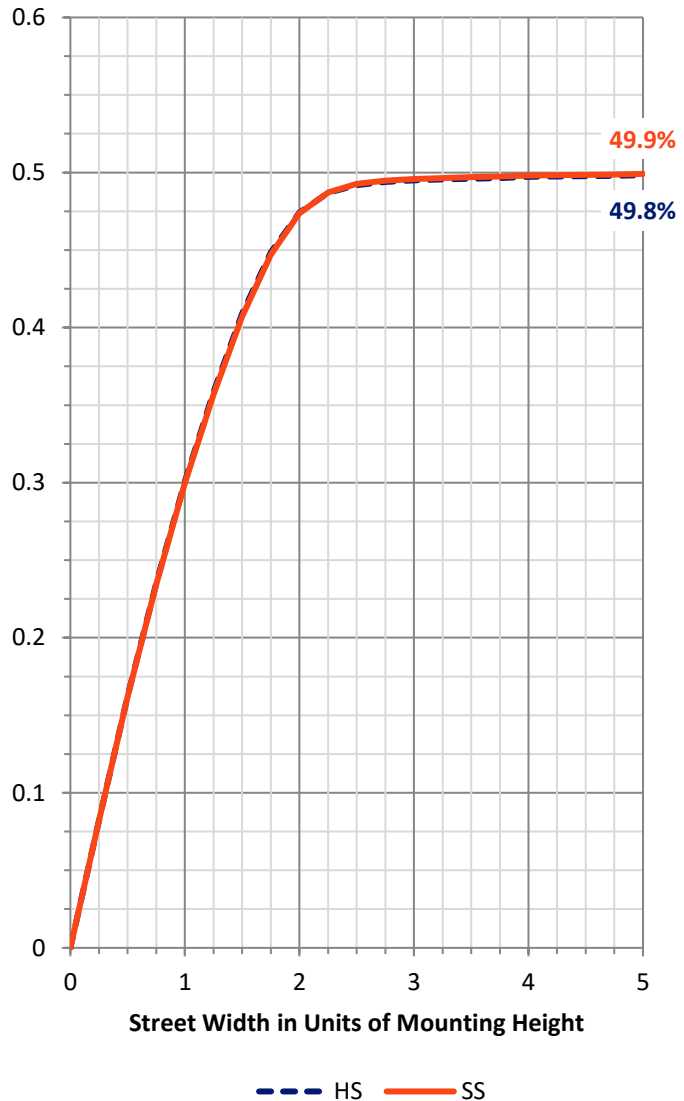
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19370.0	0.0	19370.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19370.0	0.0	19370.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38740.0	0.0	38740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.0	1.2
10°-20°	1475.4	3.8
20°-30°	2768.1	7.1
30°-40°	4577.9	11.8
40°-50°	7090.5	18.3
50°-60°	10874.8	28.1
60°-70°	10147.4	26.2
70°-80°	1181.0	3.0
80°-90°	165.9	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°	38740.0	100.0
0°-180°	38740.0	100.0

Coefficient of Utilization



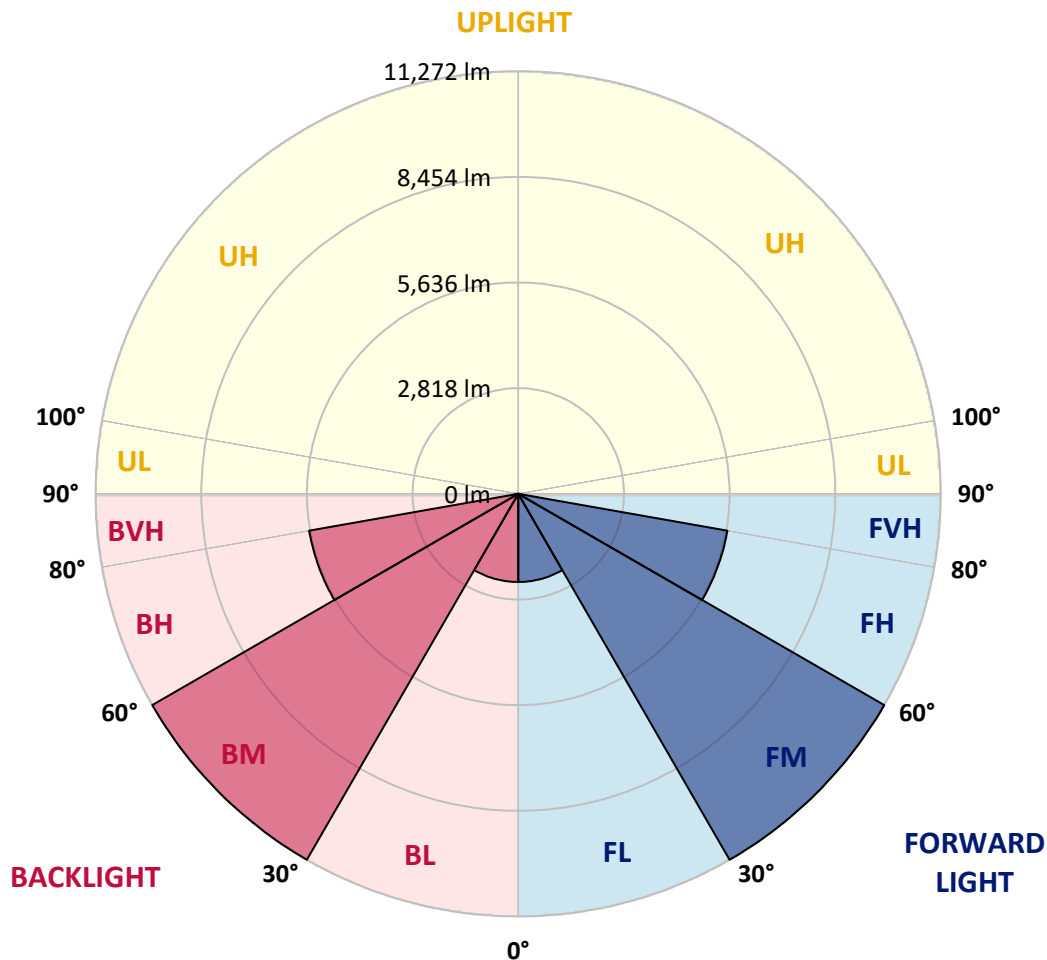
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2351.2	6.1			
FM (30°-60°)	11271.6	29.1			
FH (60°-80°)	5664.2	14.6			G3/7500
FVH (80°-90°)	83.0	0.2			G1/100
BL (0°-30°)	2351.2	6.1	B3/2500		
BM (30°-60°)	11271.6	29.1	B5		
BH (60°-80°)	5664.2	14.6	B5		G3/7500
BVH (80°-90°)	83.0	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°	4678.3	4678.3	4678.3	4678.3	4678.3	4678.3	4678.3	4678.3	4678.3	4678.3	4678.3
2.5°	4693.8	4691.2	4693.8	4695.1	4687.3	4691.2	4689.9	4696.3	4698.9	4696.3	4696.3
5°	4747.8	4743.9	4749.1	4755.5	4745.2	4747.8	4743.9	4751.6	4754.2	4749.1	4752.9
7.5°	4822.4	4823.7	4828.8	4840.4	4833.9	4839.1	4831.4	4832.7	4831.4	4823.7	4824.9
10°	4903.4	4904.7	4913.7	4929.1	4931.7	4931.7	4926.5	4922.7	4917.5	4912.4	4913.7
12.5°	5001.1	5007.6	5014.0	5033.3	5033.3	5043.6	5041.0	5030.7	5021.7	5014.0	5014.0
15°	5133.6	5132.3	5140.0	5159.3	5168.3	5185.0	5185.0	5170.9	5159.3	5151.6	5149.0
17.5°	5272.5	5276.3	5281.5	5304.6	5318.8	5338.0	5340.6	5329.0	5321.3	5311.0	5304.6
20°	5434.5	5440.9	5461.5	5470.5	5483.4	5501.4	5507.8	5505.2	5497.5	5492.4	5493.6
22.5°	5623.5	5640.2	5653.1	5666.0	5681.4	5694.3	5700.7	5709.7	5702.0	5698.1	5695.5
25°	5852.4	5864.0	5889.7	5912.9	5923.2	5927.0	5934.7	5947.6	5946.3	5937.3	5937.3
27.5°	6112.2	6134.1	6166.2	6199.6	6199.6	6186.8	6212.5	6234.4	6226.6	6215.1	6199.6
30°	6427.3	6447.8	6485.1	6531.4	6508.3	6499.3	6534.0	6573.9	6562.3	6543.0	6540.4
32.5°	6766.8	6786.0	6834.9	6885.1	6855.5	6842.6	6879.9	6937.8	6917.2	6878.6	6855.5
35°	7134.5	7153.8	7223.3	7283.7	7233.6	7211.7	7242.6	7305.6	7269.6	7197.6	7179.6
37.5°	7534.5	7544.8	7634.8	7696.5	7661.8	7603.9	7642.5	7688.8	7657.9	7570.5	7535.8
40°	7949.8	7987.1	8091.3	8163.3	8102.9	8011.6	8075.9	8140.2	8093.9	7982.0	7922.8
42.5°	8434.7	8462.9	8601.8	8666.1	8568.4	8439.8	8527.2	8614.7	8568.4	8460.4	8408.9
45°	8938.8	8982.5	9148.4	9212.7	9071.2	8907.9	9014.6	9167.7	9163.8	9008.2	8954.2
47.5°	9487.9	9531.6	9729.6	9814.5	9661.5	9442.9	9593.3	9809.4	9793.9	9622.9	9579.2
50°	10121.8	10168.1	10415.0	10521.8	10379.0	10124.4	10350.7	10541.1	10512.8	10301.9	10305.7
52.5°	10917.9	10915.3	11222.6	11407.8	11261.2	11036.2	11244.5	11429.7	11312.6	11020.7	11011.7
55°	11614.8	11657.3	12037.9	12389.0	12380.0	12293.8	12377.4	12385.1	12050.8	11662.4	11614.8
57.5°	12072.7	12153.7	12689.9	13325.2	13801.0	13915.4	13753.4	13262.2	12479.0	11857.9	11782.0
60°	11791.0	11914.5	12756.8	14051.8	15453.5	16126.0	15211.7	13687.8	12146.0	11280.5	11177.6
62.5°	9890.4	10098.7	11331.9	13700.7	16875.7	18842.0	16268.8	13005.0	10821.4	9629.3	9453.1
65°	6023.5	6243.4	7729.9	11276.6	16645.5	20992.1	15786.5	10794.4	7898.4	6415.7	6225.4
67.5°	2007.4	2071.7	2947.4	6233.1	13082.1	18861.3	13104.0	6462.0	3437.4	2278.7	2211.9
70°	785.7	792.2	934.9	1806.8	6177.8	12954.8	6816.9	1838.9	977.3	772.9	789.6
72.5°	577.4	580.0	619.8	754.9	1610.0	5707.1	1667.9	758.7	603.1	541.4	541.4
75°	464.2	464.2	492.5	550.4	721.4	1309.1	731.7	544.0	471.9	432.1	426.9
77.5°	366.5	374.2	396.1	433.4	488.7	630.1	506.7	430.8	380.6	343.4	335.6
80°	272.6	280.3	316.3	334.4	351.1	437.2	374.2	336.9	300.9	257.2	249.5
82.5°	178.7	186.5	231.5	241.8	237.9	285.5	252.0	248.2	221.2	165.9	158.2
85°	117.0	119.6	154.3	160.7	147.9	129.9	160.7	169.7	154.3	108.0	104.2
87.5°	55.3	55.3	78.4	73.3	66.9	54.0	73.3	86.2	87.4	52.7	51.4
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)