

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: P316913

Luminaire Tested: **GLEON-SA9A-827-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316913
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-SA9A-827-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 31592 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

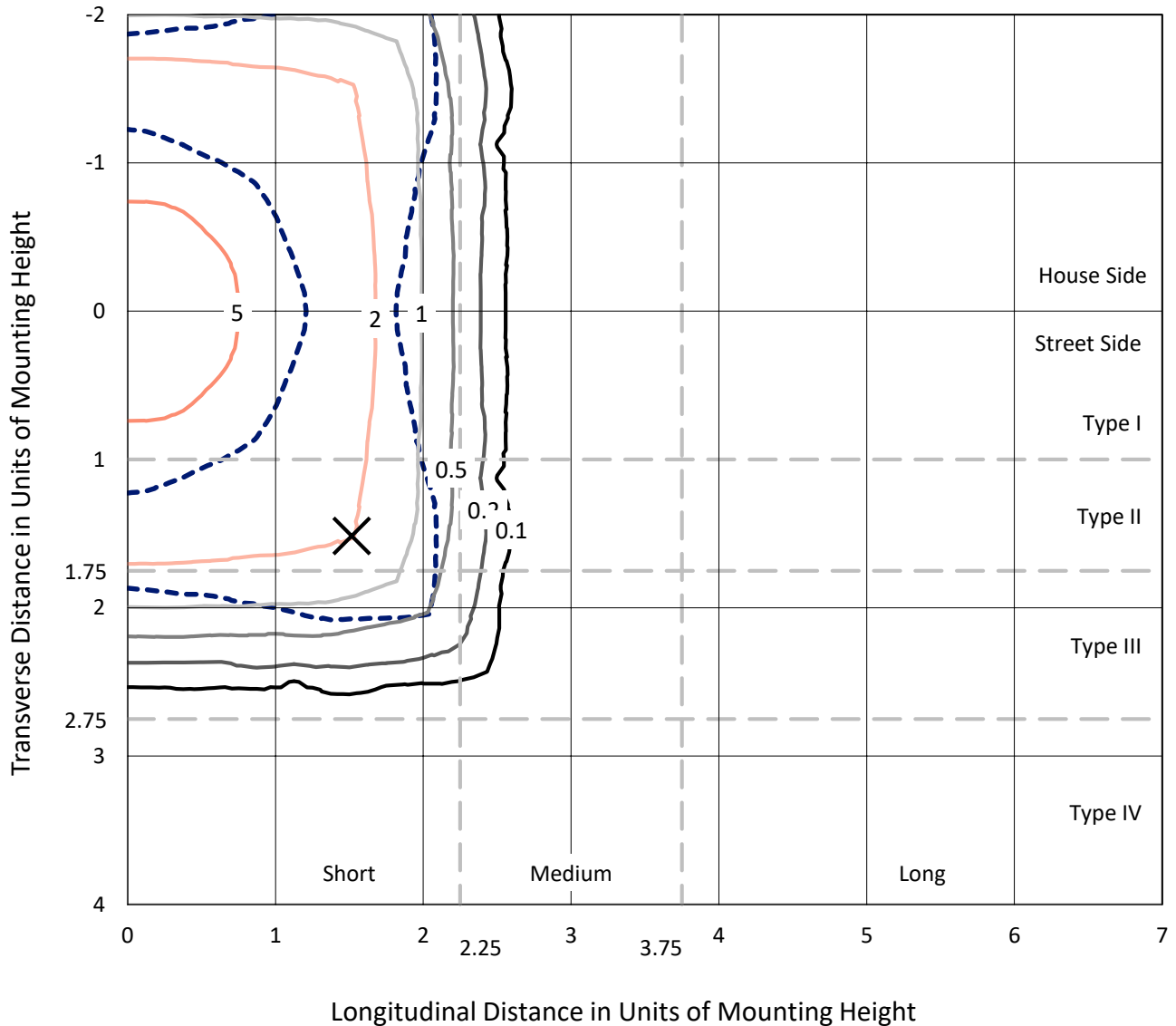
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316913
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Iso-Footcandle Lines of Horizontal Illumination

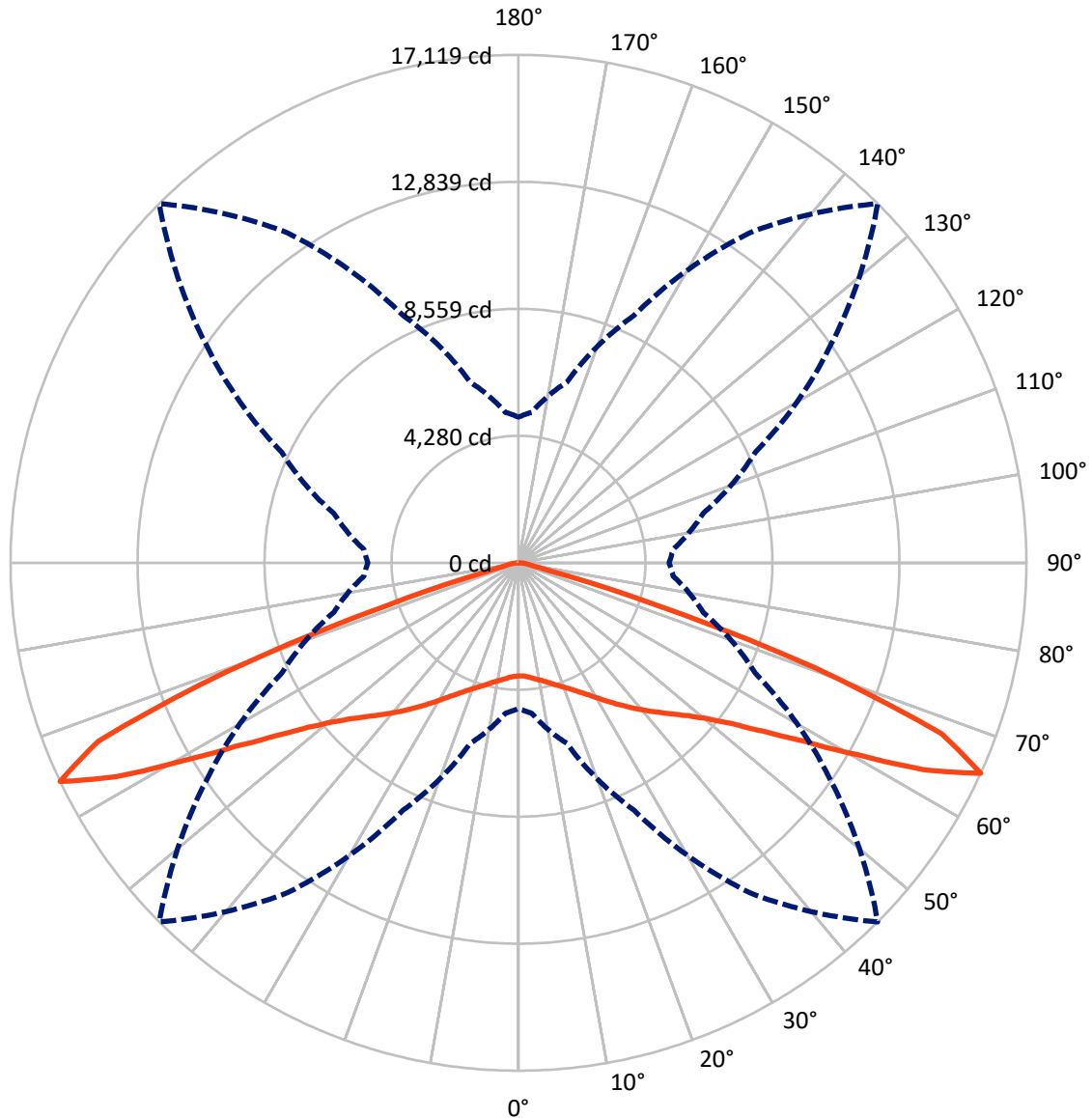
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

REPORT NUMBER: P316913
CATALOG NUMBER: GLEON-SA9A-827-U-5NQ

Luminous Intensity Polar Plot



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

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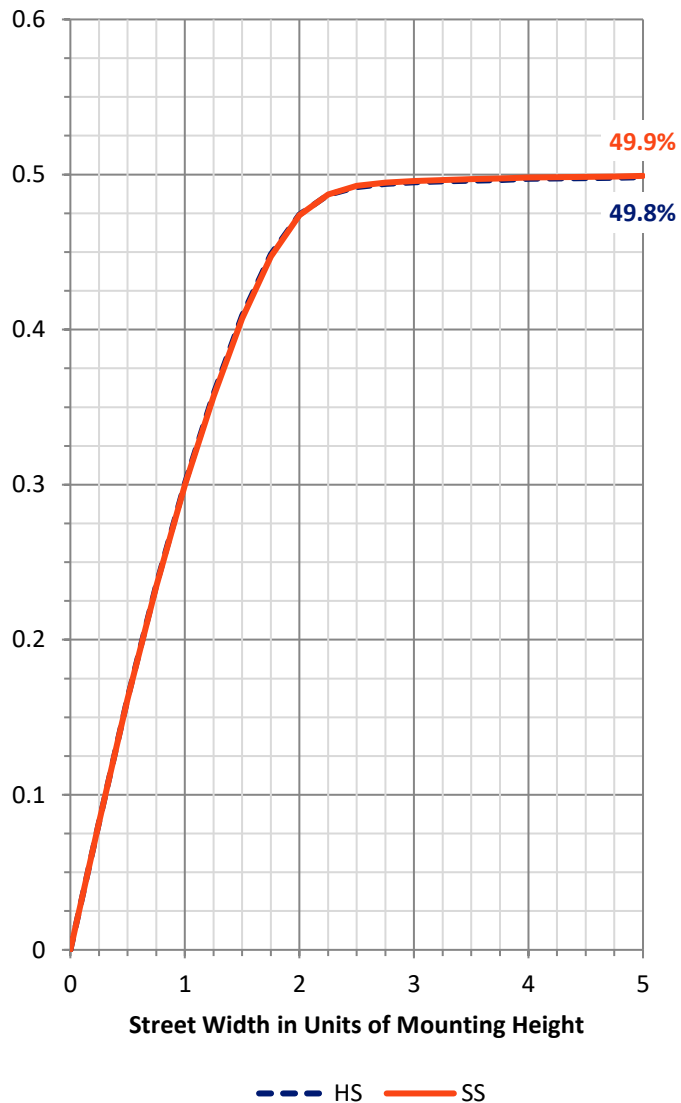
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15796.0	0.0	15796.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15796.0	0.0	15796.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31592.0	0.0	31592.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.3	1.2
10°-20°	1203.2	3.8
20°-30°	2257.3	7.1
30°-40°	3733.2	11.8
40°-50°	5782.2	18.3
50°-60°	8868.3	28.1
60°-70°	8275.1	26.2
70°-80°	963.1	3.0
80°-90°	135.3	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°	31592.0	100.0
0°-180°	31592.0	100.0

Coefficient of Utilization



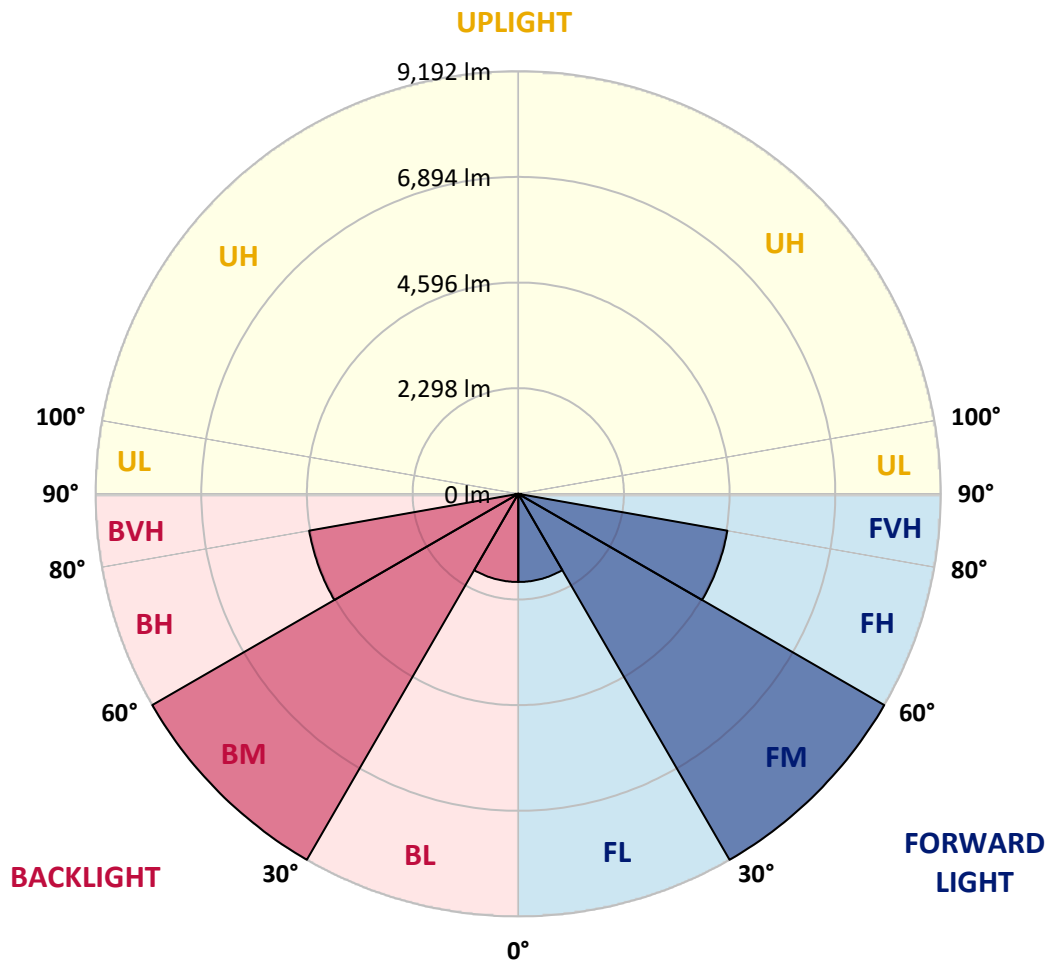
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 CATALOG NUMBER: GLEON-SA9A-827-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1917.4	6.1			
FM (30°-60°)	9191.8	29.1			
FH (60°-80°)	4619.1	14.6			G2/5000
FVH (80°-90°)	67.7	0.2			G1/100
BL (0°-30°)	1917.4	6.1	B3/2500		
BM (30°-60°)	9191.8	29.1	B5		
BH (60°-80°)	4619.1	14.6	B4/5000		G2/5000
BVH (80°-90°)	67.7	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3815.1	3815.1	3815.1	3815.1	3815.1	3815.1	3815.1	3815.1	3815.1	3815.1	3815.1
2.5°	3827.7	3825.6	3827.7	3828.8	3822.5	3825.6	3824.6	3829.8	3831.9	3829.8	3829.8
5°	3871.8	3868.6	3872.8	3878.1	3869.7	3871.8	3868.6	3874.9	3877.0	3872.8	3876.0
7.5°	3932.6	3933.6	3937.8	3947.3	3942.0	3946.2	3939.9	3941.0	3939.9	3933.6	3934.7
10°	3998.7	3999.7	4007.0	4019.6	4021.7	4021.7	4017.5	4014.4	4010.2	4006.0	4007.0
12.5°	4078.4	4083.6	4088.8	4104.6	4104.6	4113.0	4110.9	4102.5	4095.1	4088.8	4088.8
15°	4186.4	4185.3	4191.6	4207.3	4214.7	4228.3	4228.3	4216.8	4207.3	4201.1	4199.0
17.5°	4299.6	4302.8	4307.0	4325.8	4337.4	4353.1	4355.2	4345.8	4339.5	4331.1	4325.8
20°	4431.8	4437.0	4453.8	4461.1	4471.6	4486.3	4491.5	4489.4	4483.1	4479.0	4480.0
22.5°	4585.9	4599.6	4610.0	4620.5	4633.1	4643.6	4648.8	4656.2	4649.9	4646.7	4644.6
25°	4772.6	4782.0	4803.0	4821.9	4830.3	4833.4	4839.7	4850.2	4849.1	4841.8	4841.8
27.5°	4984.4	5002.3	5028.5	5055.7	5055.7	5045.2	5066.2	5084.0	5077.8	5068.3	5055.7
30°	5241.4	5258.1	5288.5	5326.3	5307.4	5300.1	5328.4	5360.9	5351.5	5335.7	5333.6
32.5°	5518.2	5533.9	5573.8	5614.7	5590.6	5580.1	5610.5	5657.7	5640.9	5609.4	5590.6
35°	5818.1	5833.9	5890.5	5939.8	5898.9	5881.1	5906.2	5957.6	5928.2	5869.5	5854.8
37.5°	6144.3	6152.7	6226.1	6276.4	6248.1	6200.9	6232.4	6270.1	6244.9	6173.6	6145.3
40°	6483.0	6513.4	6598.4	6657.1	6607.8	6533.3	6585.8	6638.2	6600.5	6509.2	6461.0
42.5°	6878.4	6901.4	7014.7	7067.1	6987.4	6882.6	6953.9	7025.2	6987.4	6899.3	6857.4
45°	7289.4	7325.1	7460.4	7512.8	7397.5	7264.3	7351.3	7476.1	7473.0	7346.1	7302.0
47.5°	7737.2	7772.9	7934.4	8003.6	7878.8	7700.5	7823.2	7999.4	7986.8	7847.3	7811.7
50°	8254.2	8292.0	8493.3	8580.4	8464.0	8256.3	8440.9	8596.1	8573.0	8401.1	8404.2
52.5°	8903.4	8901.3	9151.9	9302.9	9183.4	8999.9	9169.7	9320.8	9225.3	8987.3	8979.9
55°	9471.8	9506.4	9816.8	10103.1	10095.7	10025.5	10093.6	10099.9	9827.3	9510.6	9471.8
57.5°	9845.1	9911.2	10348.5	10866.5	11254.5	11347.9	11215.7	10815.1	10176.5	9670.0	9608.1
60°	9615.4	9716.1	10403.0	11459.0	12602.1	13150.6	12405.0	11162.3	9904.9	9199.1	9115.2
62.5°	8065.5	8235.4	9241.1	11172.7	13762.0	15365.4	13267.0	10605.4	8824.7	7852.6	7708.9
65°	4912.1	5091.4	6303.7	9196.0	13574.2	17118.8	12873.7	8802.7	6441.1	5231.9	5076.7
67.5°	1637.0	1689.4	2403.6	5083.0	10668.3	15381.1	10686.2	5269.7	2803.1	1858.3	1803.7
70°	640.7	646.0	762.4	1473.4	5037.9	10564.5	5559.1	1499.6	797.0	630.3	643.9
72.5°	470.9	473.0	505.5	615.6	1313.0	4654.1	1360.2	618.7	491.8	441.5	441.5
75°	378.6	378.6	401.6	448.8	588.3	1067.6	596.7	443.6	384.9	352.4	348.2
77.5°	298.9	305.2	323.0	353.4	398.5	513.9	413.2	351.3	310.4	280.0	273.7
80°	222.3	228.6	258.0	272.7	286.3	356.6	305.2	274.8	245.4	209.7	203.4
82.5°	145.8	152.1	188.8	197.2	194.0	232.8	205.5	202.4	180.4	135.3	129.0
85°	95.4	97.5	125.8	131.1	120.6	105.9	131.1	138.4	125.8	88.1	84.9
87.5°	45.1	45.1	64.0	59.8	54.5	44.0	59.8	70.3	71.3	43.0	41.9
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)