

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: P316920

Luminaire Tested: **GLEON-SA6B-827-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316920
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-SA6B-827-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 25917 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

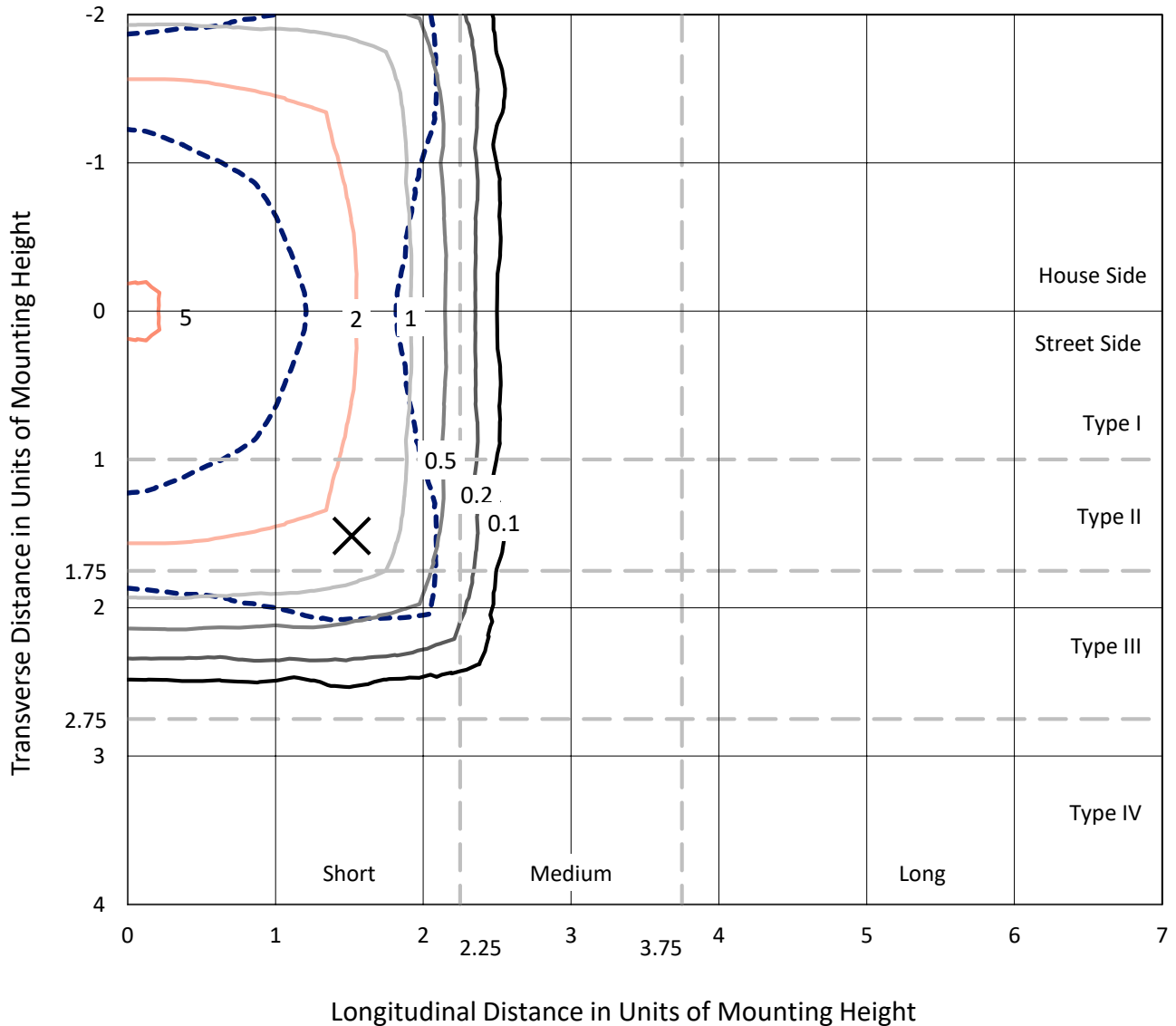
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316920
 CATALOG NUMBER: GLEON-SA6B-827-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

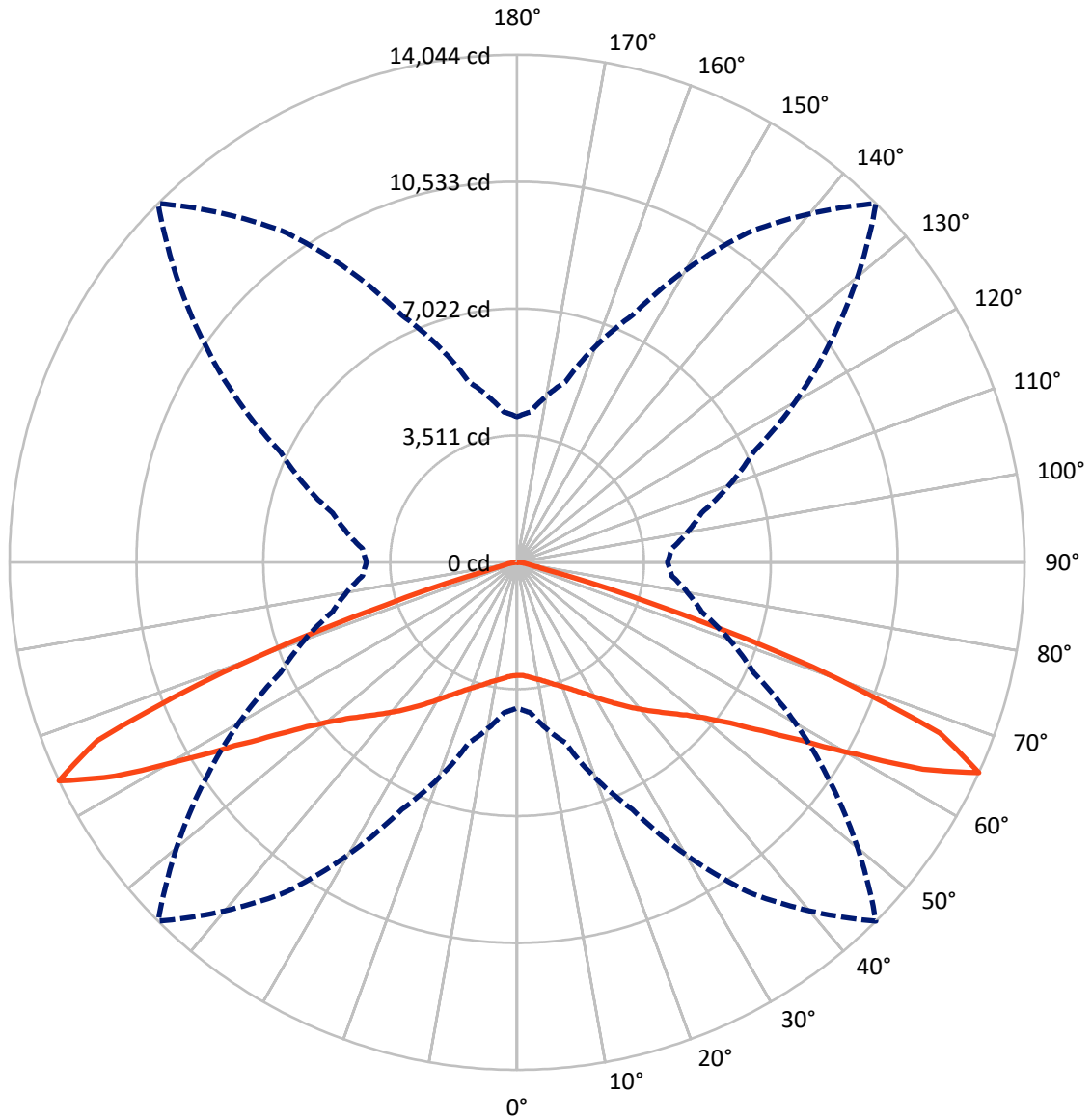
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

REPORT NUMBER: P316920
CATALOG NUMBER: GLEON-SA6B-827-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316920
 CATALOG NUMBER: GLEON-SA6B-827-U-5NQ

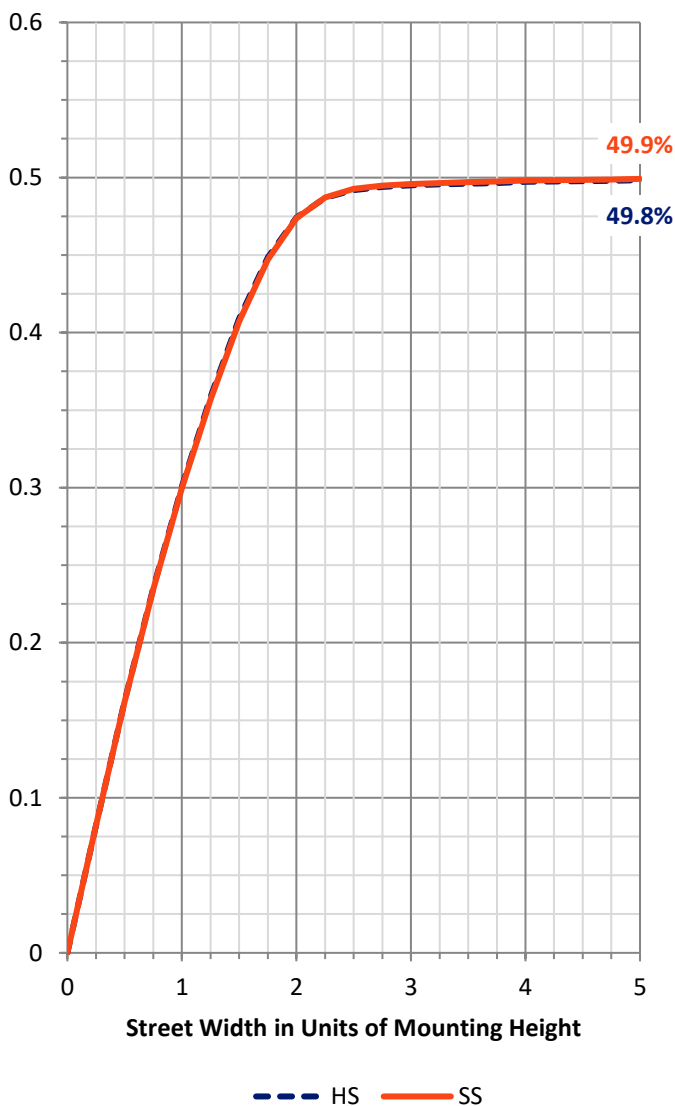
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12958.5	0.0	12958.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12958.5	0.0	12958.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25917.0	0.0	25917.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.1	1.2
10°-20°	987.0	3.8
20°-30°	1851.8	7.1
30°-40°	3062.6	11.8
40°-50°	4743.5	18.3
50°-60°	7275.2	28.1
60°-70°	6788.6	26.2
70°-80°	790.1	3.0
80°-90°	111.0	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°	25917.0	100.0
0°-180°	25917.0	100.0

Coefficient of Utilization



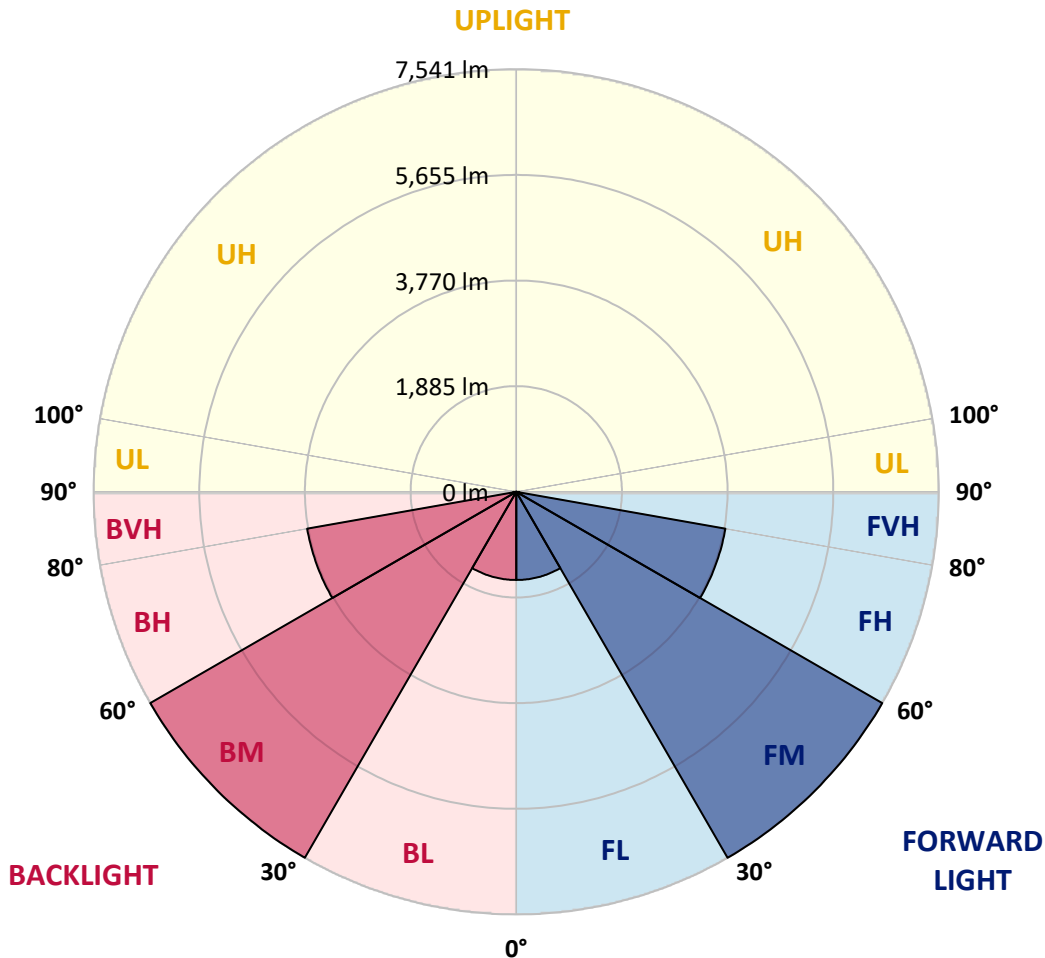
REPORT NUMBER: P316920
 CATALOG NUMBER: GLEON-SA6B-827-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1573.0	6.1			
FM (30°-60°)	7540.7	29.1			
FH (60°-80°)	3789.4	14.6			G2/5000
FVH (80°-90°)	55.5	0.2			G1/100
BL (0°-30°)	1573.0	6.1	B3/2500		
BM (30°-60°)	7540.7	29.1	B4/8500		
BH (60°-80°)	3789.4	14.6	B4/5000		G2/5000
BVH (80°-90°)	55.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P316920
 CATALOG NUMBER: GLEON-SA6B-827-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8	3129.8
2.5°	3140.1	3138.4	3140.1	3141.0	3135.8	3138.4	3137.5	3141.9	3143.6	3141.9	3141.9
5°	3176.3	3173.7	3177.1	3181.4	3174.5	3176.3	3173.7	3178.8	3180.6	3177.1	3179.7
7.5°	3226.2	3227.0	3230.5	3238.2	3233.9	3237.3	3232.2	3233.0	3232.2	3227.0	3227.9
10°	3280.4	3281.2	3287.2	3297.6	3299.3	3299.3	3295.8	3293.3	3289.8	3286.4	3287.2
12.5°	3345.7	3350.0	3354.3	3367.3	3367.3	3374.1	3372.4	3365.5	3359.5	3354.3	3354.3
15°	3434.4	3433.5	3438.7	3451.6	3457.6	3468.8	3468.8	3459.3	3451.6	3446.4	3444.7
17.5°	3527.3	3529.8	3533.3	3548.8	3558.2	3571.1	3572.9	3565.1	3560.0	3553.1	3548.8
20°	3635.7	3640.0	3653.7	3659.8	3668.4	3680.4	3684.7	3683.0	3677.8	3674.4	3675.2
22.5°	3762.1	3773.3	3781.9	3790.5	3800.8	3809.5	3813.8	3819.8	3814.6	3812.0	3810.3
25°	3915.3	3923.0	3940.2	3955.7	3962.6	3965.2	3970.3	3978.9	3978.1	3972.0	3972.0
27.5°	4089.1	4103.7	4125.2	4147.6	4147.6	4138.9	4156.2	4170.8	4165.6	4157.9	4147.6
30°	4299.8	4313.6	4338.5	4369.5	4354.0	4348.0	4371.2	4397.9	4390.2	4377.3	4375.5
32.5°	4526.9	4539.9	4572.5	4606.1	4586.3	4577.7	4602.7	4641.4	4627.6	4601.8	4586.3
35°	4773.0	4785.9	4832.4	4872.8	4839.2	4824.6	4845.3	4887.4	4863.3	4815.2	4803.1
37.5°	5040.6	5047.4	5107.7	5149.0	5125.7	5087.0	5112.8	5143.8	5123.1	5064.6	5041.4
40°	5318.4	5343.4	5413.1	5461.2	5420.8	5359.7	5402.7	5445.8	5414.8	5339.9	5300.4
42.5°	5642.8	5661.7	5754.6	5797.6	5732.2	5646.2	5704.7	5763.2	5732.2	5660.0	5625.6
45°	5980.0	6009.3	6120.2	6163.3	6068.6	5959.4	6030.8	6133.1	6130.6	6026.5	5990.3
47.5°	6347.4	6376.6	6509.1	6565.9	6463.5	6317.3	6417.9	6562.4	6552.1	6437.7	6408.4
50°	6771.5	6802.5	6967.6	7039.1	6943.6	6773.2	6924.6	7052.0	7033.0	6891.9	6894.5
52.5°	7304.0	7302.3	7507.9	7631.8	7533.7	7383.2	7522.5	7646.4	7568.1	7372.9	7366.8
55°	7770.3	7798.7	8053.4	8288.2	8282.2	8224.6	8280.5	8285.6	8062.0	7802.1	7770.3
57.5°	8076.6	8130.8	8489.5	8914.5	9232.8	9309.4	9201.0	8872.4	8348.4	7932.9	7882.2
60°	7888.2	7970.8	8534.3	9400.6	10338.3	10788.3	10176.6	9157.1	8125.6	7546.6	7477.8
62.5°	6616.6	6756.0	7581.0	9165.7	11289.8	12605.3	10883.8	8700.3	7239.5	6442.0	6324.1
65°	4029.7	4176.8	5171.3	7544.1	11135.8	14043.7	10561.2	7221.4	5284.0	4292.1	4164.8
67.5°	1342.9	1386.0	1971.8	4169.9	8751.9	12618.2	8766.6	4323.1	2299.6	1524.5	1479.7
70°	525.6	530.0	625.4	1208.7	4132.9	8666.8	4560.5	1230.2	653.8	517.0	528.2
72.5°	386.3	388.0	414.7	505.0	1077.1	3818.1	1115.8	507.6	403.5	362.2	362.2
75°	310.6	310.6	329.5	368.2	482.6	875.8	489.5	363.9	315.7	289.1	285.6
77.5°	245.2	250.4	265.0	289.9	326.9	421.6	339.0	288.2	254.7	229.7	224.5
80°	182.4	187.5	211.6	223.7	234.9	292.5	250.4	225.4	201.3	172.1	166.9
82.5°	119.6	124.7	154.9	161.7	159.2	191.0	168.6	166.0	148.0	111.0	105.8
85°	78.3	80.0	103.2	107.5	98.9	86.9	107.5	113.6	103.2	72.3	69.7
87.5°	37.0	37.0	52.5	49.0	44.7	36.1	49.0	57.6	58.5	35.3	34.4
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)