

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: P316284

Luminaire Tested: **GLEON-SA0B-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA0B-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43798 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

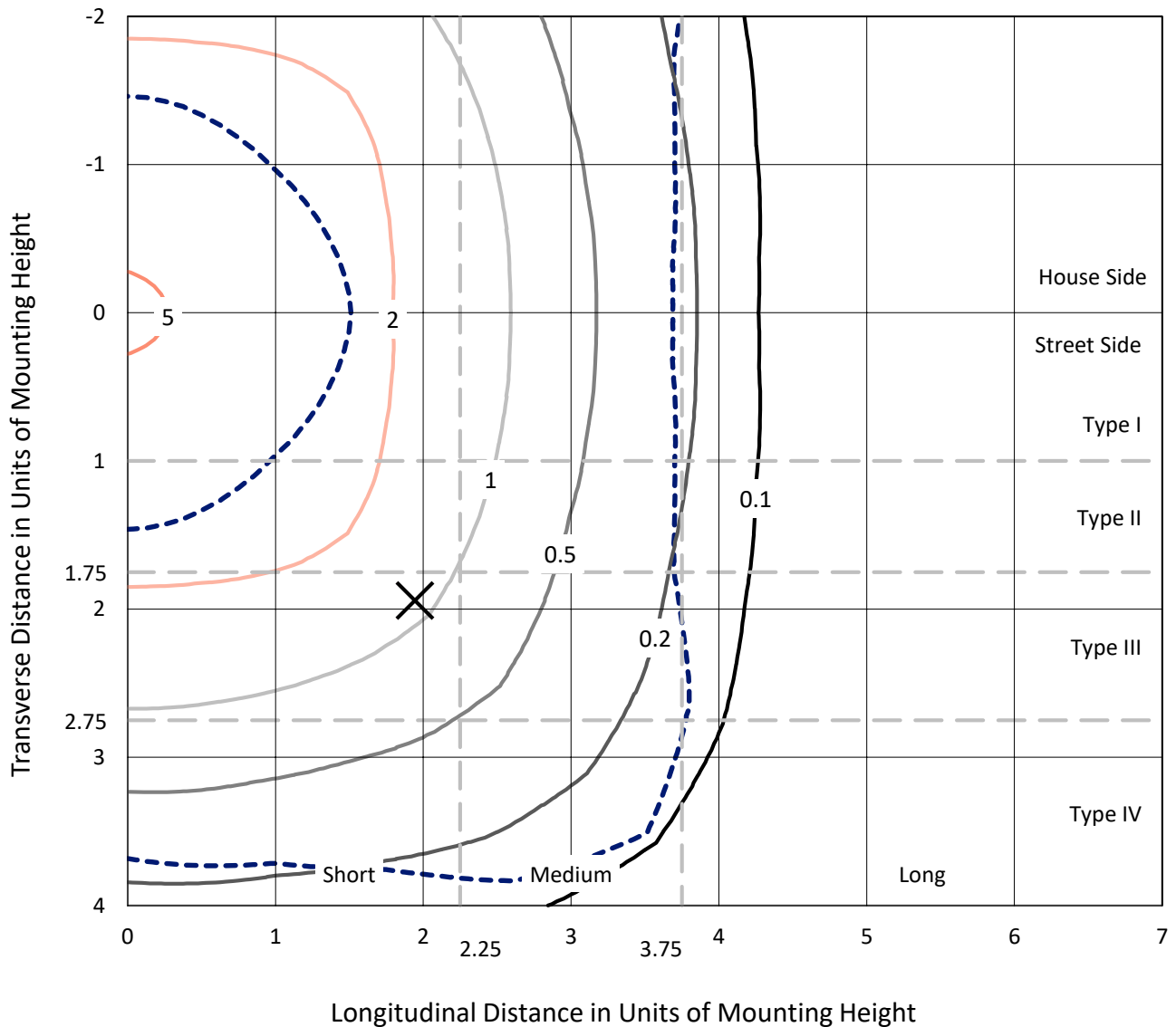
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316284
 CATALOG NUMBER: GLEON-SA0B-827-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

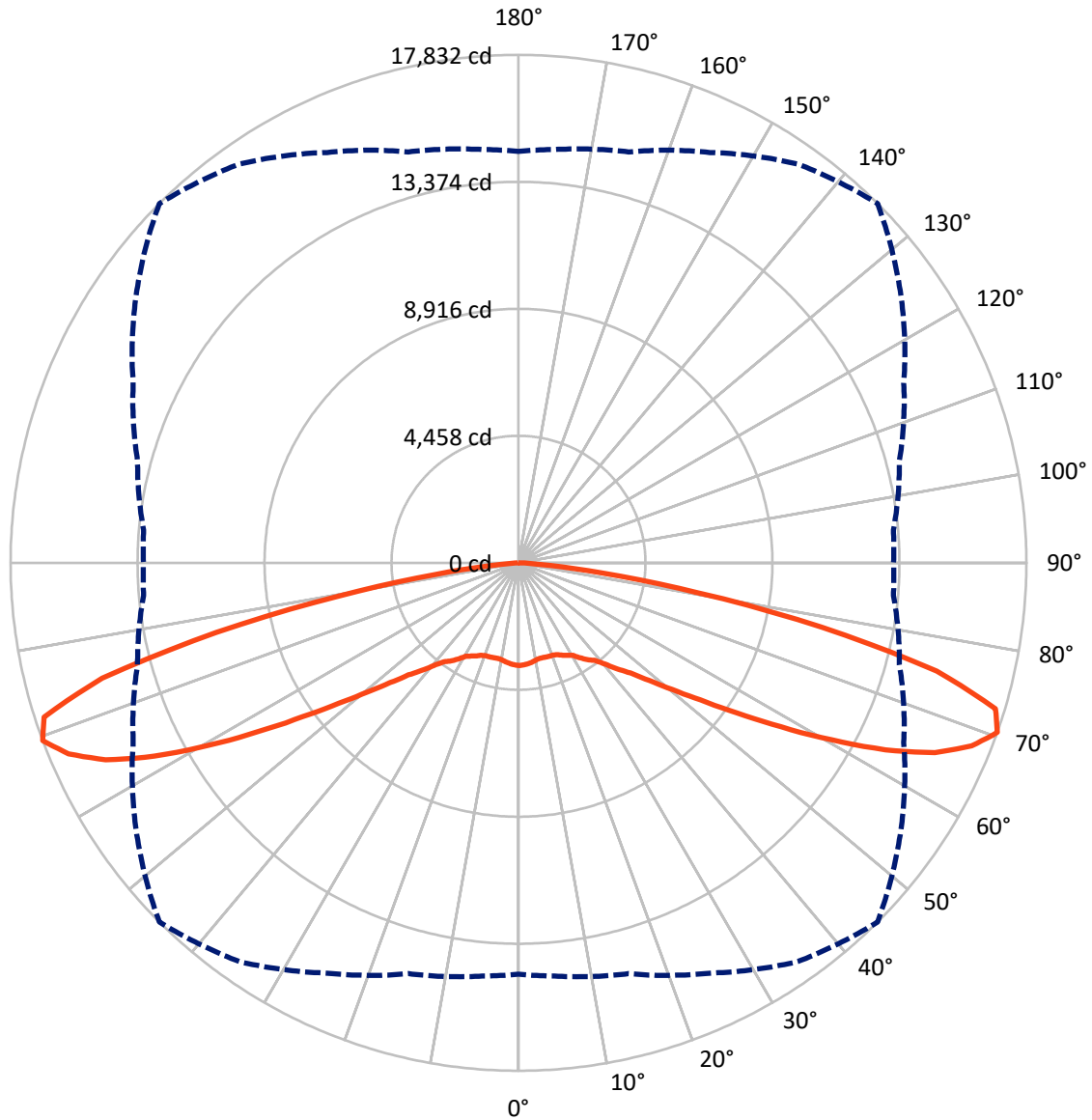
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

REPORT NUMBER: P316284
CATALOG NUMBER: GLEON-SA0B-827-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P316284
 CATALOG NUMBER: GLEON-SA0B-827-U-5WQ

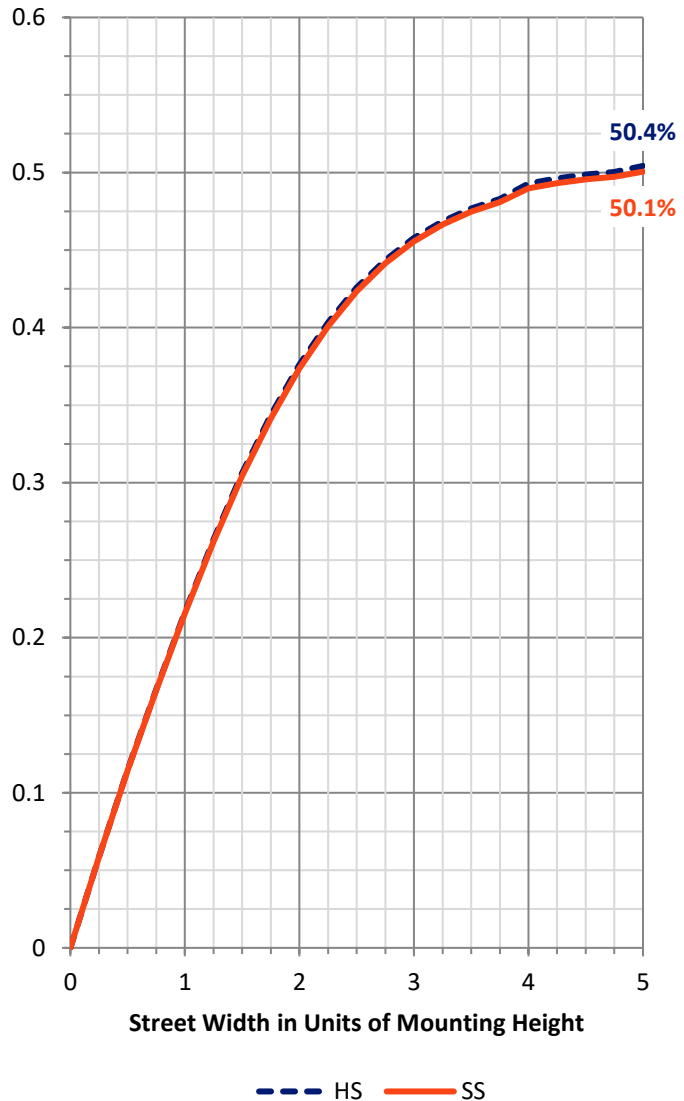
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21899.0	0.0	21899.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21899.0	0.0	21899.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	43798.0	0.0	43798.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.4	0.8
10°-20°	982.7	2.2
20°-30°	1675.5	3.8
30°-40°	2618.0	6.0
40°-50°	4436.9	10.1
50°-60°	8091.1	18.5
60°-70°	13929.4	31.8
70°-80°	10918.4	24.9
80°-90°	809.6	1.8
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°	43798.0	100.0
0°-180°	43798.0	100.0

Coefficient of Utilization



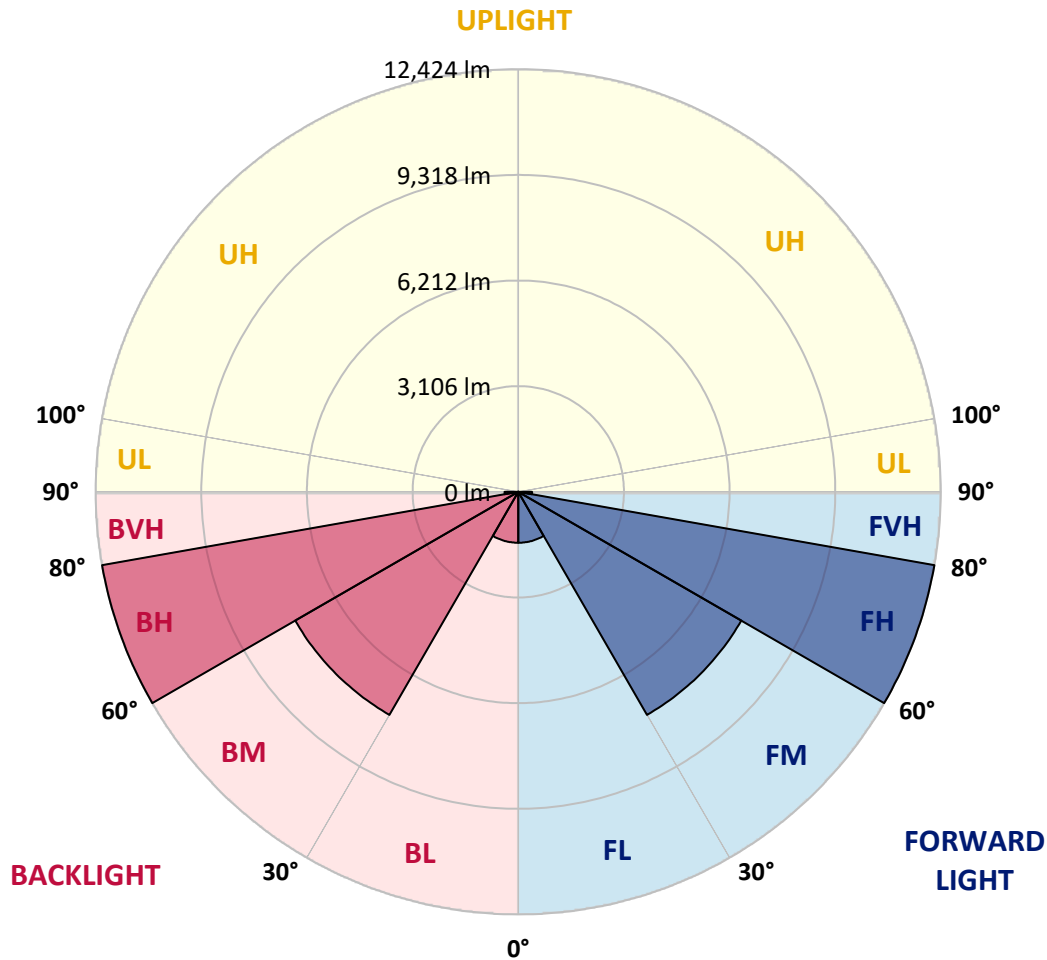
REPORT NUMBER: P316284
 CATALOG NUMBER: GLEON-SA0B-827-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1497.3	3.4			
FM (30°-60°)	7573.0	17.3			
FH (60°-80°)	12423.9	28.4			G5
FVH (80°-90°)	404.8	0.9			G3/500
BL (0°-30°)	1497.3	3.4	B3/2500		
BM (30°-60°)	7573.0	17.3	B4/8500		
BH (60°-80°)	12423.9	28.4	B5		G5
BVH (80°-90°)	404.8	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





REPORT NUMBER: P316284
 CATALOG NUMBER: GLEON-SA0B-827-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3604.6	3604.6	3604.6	3604.6	3604.6	3604.6	3604.6	3604.6	3604.6	3604.6	3604.6
2.5°	3588.6	3593.0	3588.6	3591.5	3584.3	3587.2	3587.2	3587.2	3585.7	3587.2	3584.3
5°	3556.8	3559.7	3553.9	3556.8	3552.4	3556.8	3558.2	3556.8	3553.9	3555.3	3549.5
7.5°	3509.0	3511.9	3507.5	3511.9	3506.1	3513.3	3511.9	3507.5	3503.2	3503.2	3497.4
10°	3482.9	3484.3	3472.7	3468.4	3455.4	3458.3	3462.6	3466.9	3471.3	3480.0	3478.5
12.5°	3484.3	3484.3	3466.9	3448.1	3429.3	3433.6	3440.9	3456.8	3474.2	3490.1	3491.6
15°	3498.8	3497.4	3471.3	3440.9	3427.8	3440.9	3445.2	3455.4	3482.9	3510.4	3511.9
17.5°	3509.0	3509.0	3468.4	3433.6	3432.2	3452.5	3451.0	3455.4	3485.8	3526.3	3527.8
20°	3527.8	3527.8	3475.6	3438.0	3438.0	3459.7	3461.2	3468.4	3498.8	3543.7	3551.0
22.5°	3569.8	3571.3	3516.2	3485.8	3488.7	3501.7	3506.1	3517.7	3545.2	3594.4	3603.1
25°	3629.2	3632.1	3575.6	3558.2	3568.4	3593.0	3590.1	3598.8	3629.2	3677.0	3685.7
27.5°	3711.8	3704.5	3652.4	3645.1	3655.3	3672.7	3671.2	3672.7	3697.3	3740.8	3750.9
30°	3819.0	3816.1	3778.4	3782.8	3778.4	3772.6	3774.1	3785.7	3798.7	3833.5	3843.6
32.5°	3923.3	3926.2	3903.0	3924.8	3956.6	3978.4	3945.0	3913.2	3898.7	3917.5	3926.2
35°	4111.7	4118.9	4082.7	4068.2	4111.7	4175.4	4081.2	4029.1	4058.1	4082.7	4089.9
37.5°	4431.8	4436.2	4375.3	4317.4	4285.5	4346.4	4252.2	4256.5	4358.0	4404.3	4402.9
40°	4796.9	4798.4	4757.8	4707.1	4652.1	4666.5	4628.9	4640.5	4707.1	4749.1	4760.7
42.5°	5231.6	5227.2	5163.5	5091.0	5075.1	5089.6	5025.8	5017.1	5093.9	5169.3	5170.7
45°	5795.1	5785.0	5702.4	5622.7	5546.0	5514.1	5498.1	5540.2	5645.9	5715.5	5716.9
47.5°	6402.2	6374.7	6331.2	6267.5	6200.8	6168.9	6142.9	6163.1	6239.9	6267.5	6270.3
50°	7026.6	7032.4	7041.1	7016.5	6991.8	6981.7	6913.6	6874.5	6897.7	6847.0	6839.7
52.5°	7766.9	7778.5	7862.6	7933.6	7975.6	7997.3	7868.4	7733.6	7658.3	7559.8	7530.8
55°	8640.6	8659.4	8782.5	8979.6	9182.4	9289.6	9056.4	8804.3	8571.0	8387.0	8327.6
57.5°	9614.1	9647.5	9817.0	10195.1	10610.9	10864.5	10470.4	10012.6	9562.0	9296.9	9250.5
60°	10755.8	10787.7	11022.4	11564.2	12237.9	12618.9	12022.0	11273.0	10712.3	10458.8	10373.3
62.5°	12114.8	12117.7	12406.0	13039.1	13928.6	14458.9	13650.5	12649.4	12071.3	11765.6	11683.0
65°	13576.6	13583.8	13882.3	14566.1	15486.1	16062.7	15150.0	14106.8	13399.8	12949.3	12885.5
67.5°	14609.6	14640.0	14954.4	15777.3	16637.9	17158.0	16213.4	15034.1	14216.9	13679.4	13625.8
70°	14444.4	14563.2	14932.6	15893.2	17089.9	17831.7	16385.8	14924.0	13846.1	13211.5	13166.6
72.5°	12597.2	12824.7	13317.2	14577.7	16491.5	17512.9	15445.5	13366.5	12146.6	11606.2	11525.1
75°	8578.3	8947.7	9690.9	11509.2	14089.5	15163.0	13002.9	10657.3	9509.8	8762.3	8707.2
77.5°	3824.8	3908.8	4850.5	6944.0	9722.8	10889.1	9447.5	6971.6	5233.0	4174.0	3950.8
80°	1066.3	1079.3	1440.1	2586.1	4866.5	6397.8	5224.3	2716.5	1527.0	1076.4	1014.2
82.5°	339.0	368.0	449.1	670.8	1635.7	2919.3	1679.1	724.4	515.8	411.5	370.9
85°	165.2	163.7	227.5	272.4	417.3	646.2	444.8	336.1	294.1	195.6	176.8
87.5°	69.5	71.0	105.8	95.6	121.7	104.3	143.4	150.7	157.9	86.9	75.3
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)