

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: P316293

Luminaire Tested: **GLEON-SA9C-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316293
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-SA9C-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48961 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

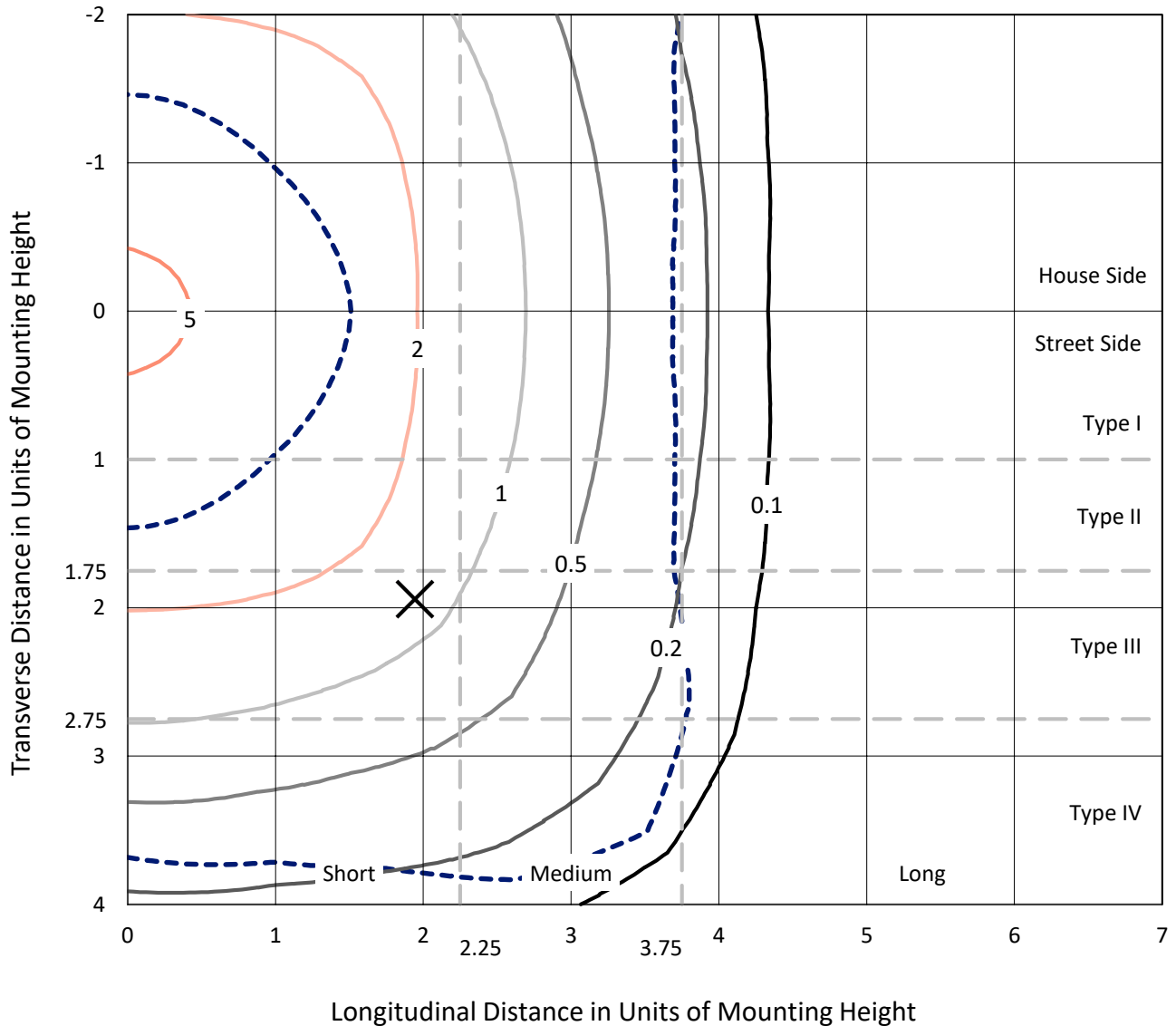
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

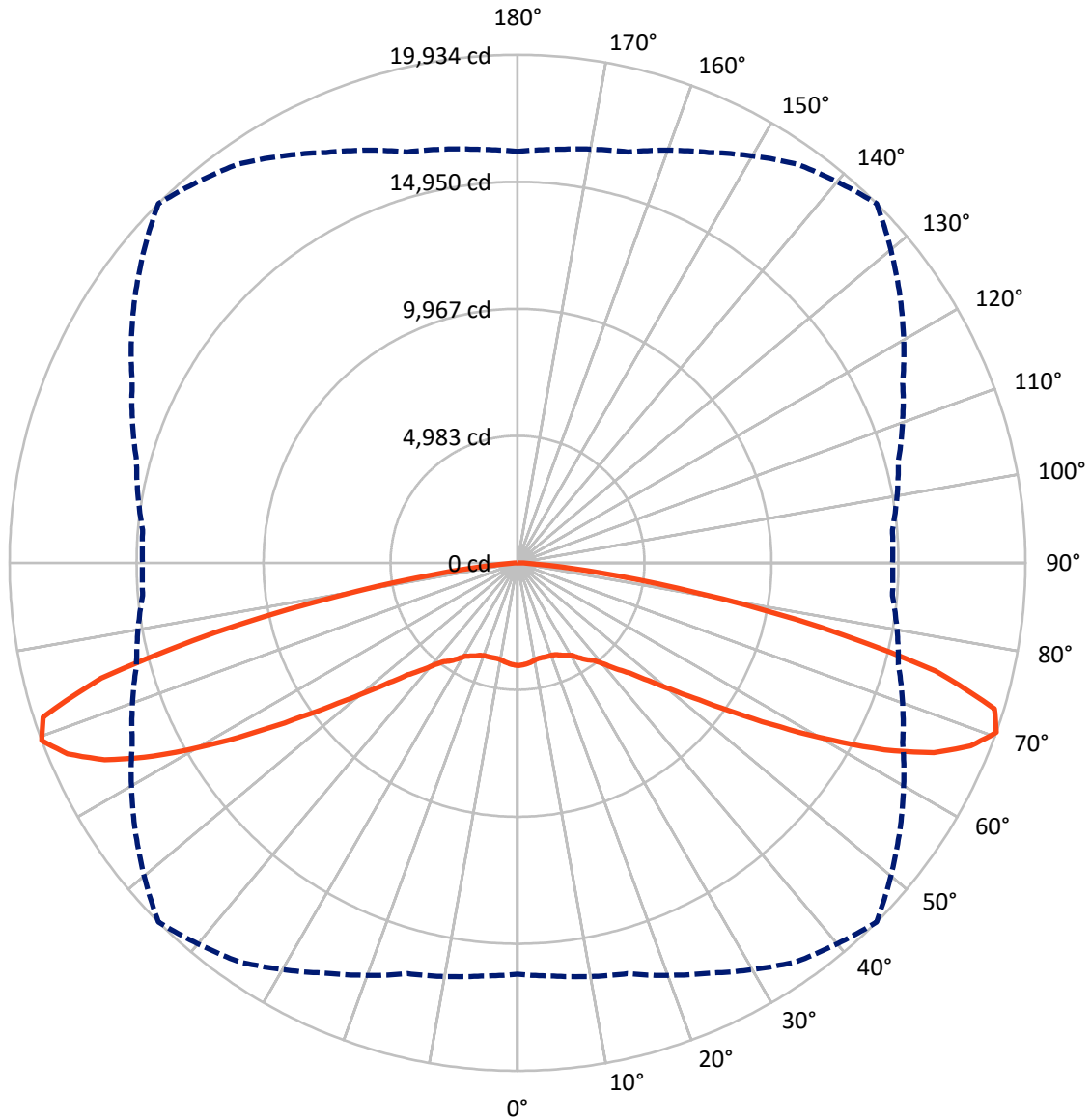
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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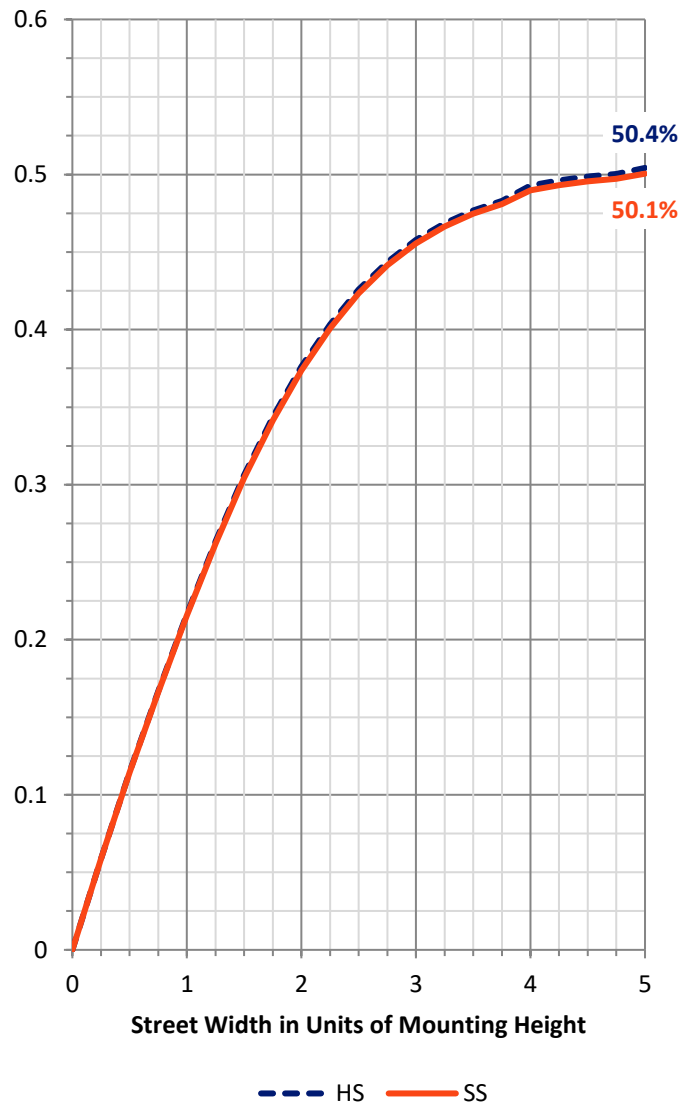
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24480.5	0.0	24480.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24480.5	0.0	24480.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	48961.0	0.0	48961.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.1	0.8
10°-20°	1098.6	2.2
20°-30°	1873.0	3.8
30°-40°	2926.6	6.0
40°-50°	4960.0	10.1
50°-60°	9044.9	18.5
60°-70°	15571.4	31.8
70°-80°	12205.4	24.9
80°-90°	905.0	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°	48961.0	100.0
0°-180°	48961.0	100.0

Coefficient of Utilization



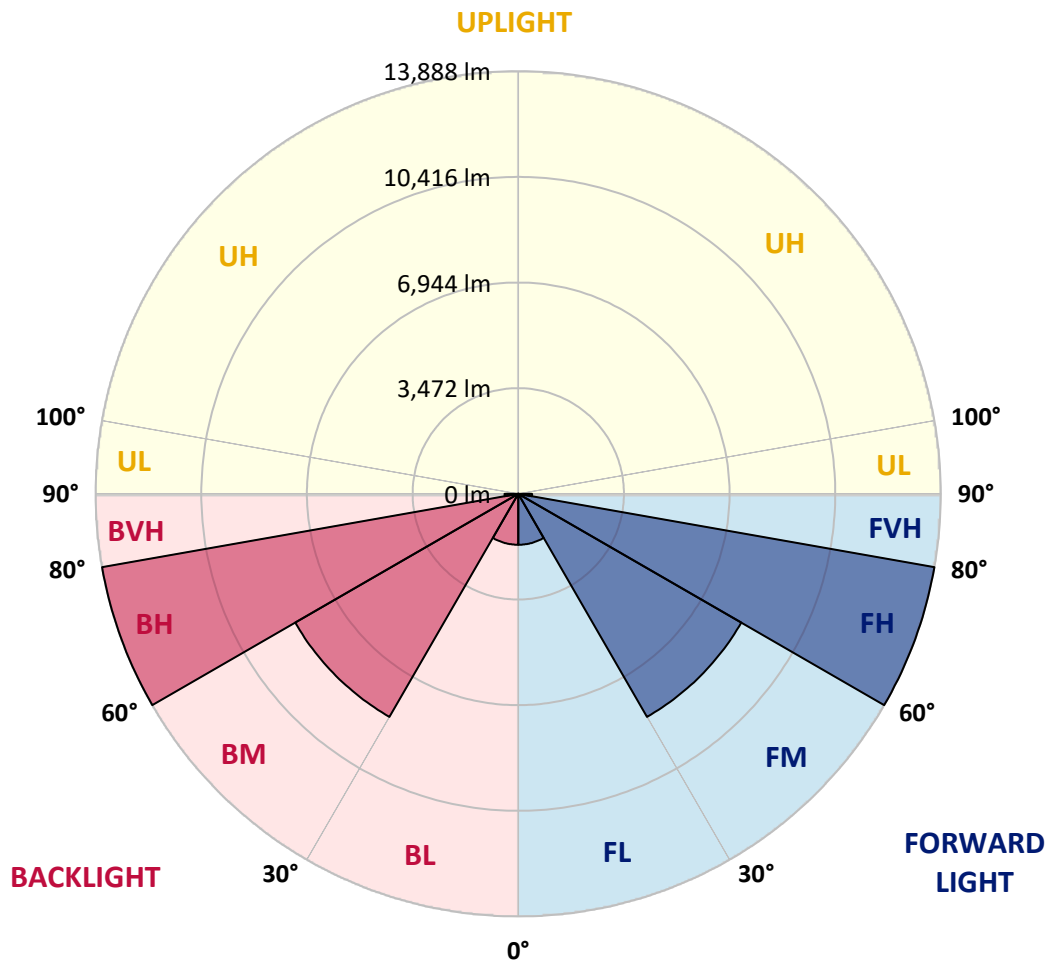
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1673.8	3.4			
FM (30°-60°)	8465.7	17.3			
FH (60°-80°)	13888.4	28.4			G5
FVH (80°-90°)	452.5	0.9			G3/500
BL (0°-30°)	1673.8	3.4	B3/2500		
BM (30°-60°)	8465.7	17.3	B4/8500		
BH (60°-80°)	13888.4	28.4	B5		G5
BVH (80°-90°)	452.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4029.5	4029.5	4029.5	4029.5	4029.5	4029.5	4029.5	4029.5	4029.5	4029.5	4029.5
2.5°	4011.7	4016.5	4011.7	4014.9	4006.8	4010.1	4010.1	4010.1	4008.4	4010.1	4006.8
5°	3976.1	3979.3	3972.8	3976.1	3971.2	3976.1	3977.7	3976.1	3972.8	3974.4	3968.0
7.5°	3922.6	3925.8	3921.0	3925.8	3919.4	3927.5	3925.8	3921.0	3916.1	3916.1	3909.6
10°	3893.5	3895.1	3882.1	3877.3	3862.7	3865.9	3870.8	3875.6	3880.5	3890.2	3888.6
12.5°	3895.1	3895.1	3875.6	3854.6	3833.5	3838.4	3846.5	3864.3	3883.7	3901.6	3903.2
15°	3911.3	3909.6	3880.5	3846.5	3831.9	3846.5	3851.3	3862.7	3893.5	3924.2	3925.8
17.5°	3922.6	3922.6	3877.3	3838.4	3836.8	3859.4	3857.8	3862.7	3896.7	3942.0	3943.7
20°	3943.7	3943.7	3885.4	3843.2	3843.2	3867.5	3869.2	3877.3	3911.3	3961.5	3969.6
22.5°	3990.6	3992.2	3930.7	3896.7	3899.9	3914.5	3919.4	3932.3	3963.1	4018.2	4027.9
25°	4057.0	4060.3	3997.1	3977.7	3989.0	4016.5	4013.3	4023.0	4057.0	4110.5	4120.2
27.5°	4149.3	4141.2	4082.9	4074.8	4086.2	4105.6	4104.0	4105.6	4133.1	4181.7	4193.1
30°	4269.2	4266.0	4223.8	4228.7	4223.8	4217.4	4219.0	4231.9	4246.5	4285.4	4296.7
32.5°	4385.8	4389.0	4363.1	4387.4	4423.1	4447.3	4410.1	4374.5	4358.3	4379.3	4389.0
35°	4596.3	4604.4	4564.0	4547.8	4596.3	4667.6	4562.3	4504.0	4536.4	4564.0	4572.1
37.5°	4954.3	4959.1	4891.1	4826.3	4790.7	4858.7	4753.4	4758.3	4871.7	4923.5	4921.9
40°	5362.4	5364.0	5318.7	5262.0	5200.4	5216.6	5174.5	5187.5	5262.0	5309.0	5321.9
42.5°	5848.3	5843.4	5772.2	5691.2	5673.4	5689.6	5618.3	5608.6	5694.4	5778.6	5780.3
45°	6478.3	6467.0	6374.6	6285.6	6199.7	6164.1	6146.3	6193.2	6311.5	6389.2	6390.8
47.5°	7156.9	7126.1	7077.5	7006.3	6931.8	6896.1	6867.0	6889.7	6975.5	7006.3	7009.5
50°	7854.9	7861.4	7871.1	7843.6	7816.1	7804.7	7728.6	7684.9	7710.8	7654.1	7646.0
52.5°	8682.5	8695.5	8789.4	8868.8	8915.7	8940.0	8795.9	8645.3	8561.1	8450.9	8418.5
55°	9659.1	9680.2	9817.9	10038.1	10264.9	10384.7	10123.9	9842.1	9581.4	9375.7	9309.3
57.5°	10747.5	10784.7	10974.2	11396.9	11861.8	12145.2	11704.7	11192.9	10689.2	10392.8	10341.0
60°	12023.7	12059.3	12321.7	12927.4	13680.5	14106.5	13439.2	12601.9	11975.1	11691.7	11596.1
62.5°	13542.9	13546.1	13868.4	14576.2	15570.6	16163.3	15259.6	14140.5	13494.3	13152.6	13060.2
65°	15177.0	15185.1	15518.7	16283.2	17311.6	17956.2	16935.9	15769.8	14979.4	14475.7	14404.5
67.5°	16331.8	16365.8	16717.2	17637.1	18599.2	19180.6	18124.6	16806.3	15892.9	15292.0	15232.1
70°	16147.1	16279.9	16692.9	17766.7	19104.5	19933.7	18317.4	16683.2	15478.3	14768.9	14718.7
72.5°	14082.2	14336.5	14887.1	16296.1	18435.6	19577.4	17266.3	14942.2	13578.5	12974.4	12883.7
75°	9589.5	10002.5	10833.3	12865.9	15750.3	16950.4	14535.7	11913.6	10630.9	9795.2	9733.6
77.5°	4275.7	4369.6	5422.3	7762.6	10869.0	12172.7	10561.2	7793.4	5849.9	4666.0	4416.6
80°	1192.0	1206.6	1609.9	2890.9	5440.1	7152.0	5840.2	3036.7	1707.0	1203.3	1133.7
82.5°	379.0	411.4	502.1	749.9	1828.5	3263.4	1877.1	809.8	576.6	460.0	414.6
85°	184.6	183.0	254.3	304.5	466.4	722.3	497.2	375.7	328.8	218.6	197.6
87.5°	77.7	79.4	118.2	106.9	136.0	116.6	160.3	168.4	176.5	97.2	84.2
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)