

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: P316924

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316924
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-SA0B-827-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 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: 42892 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

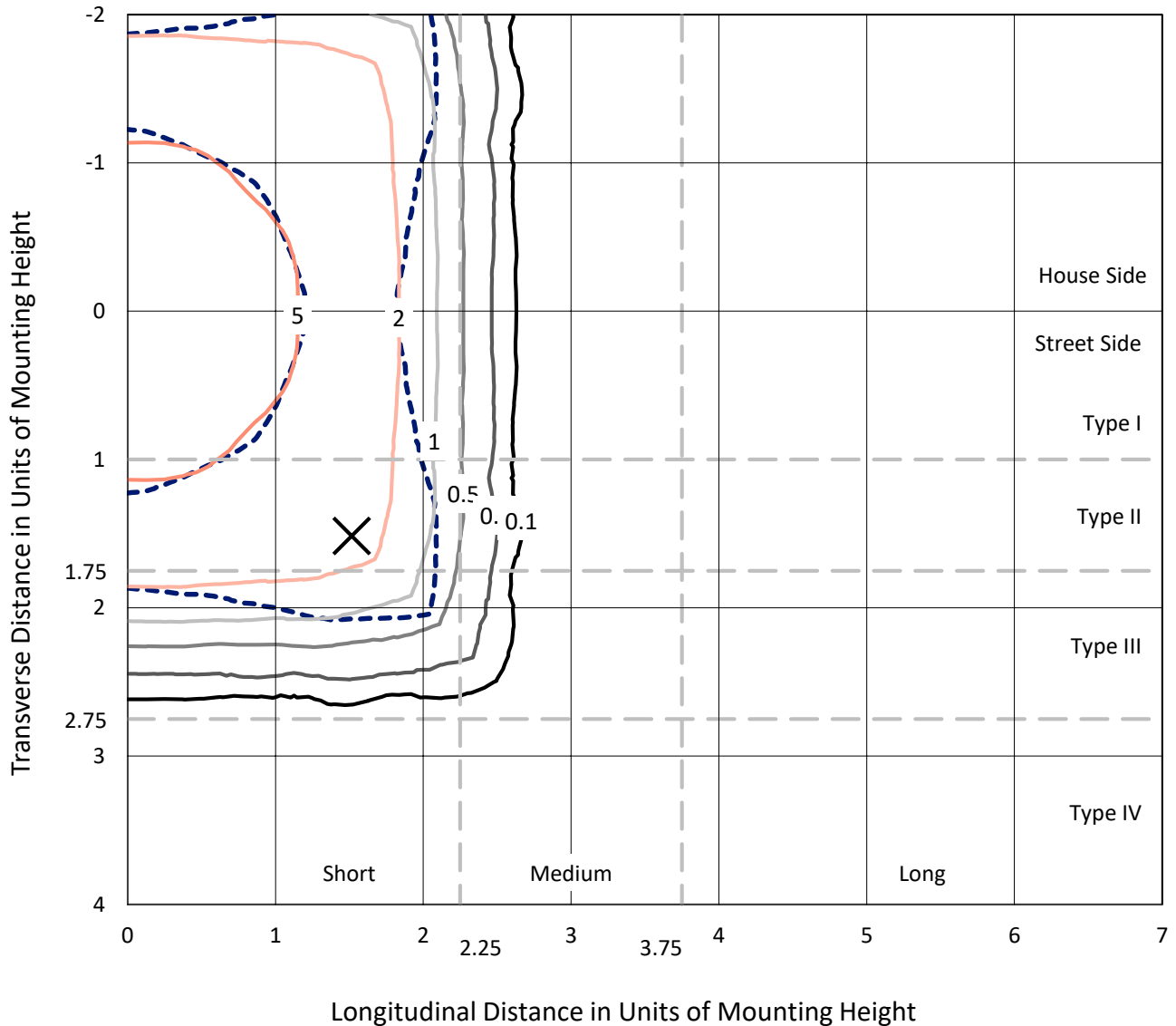
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

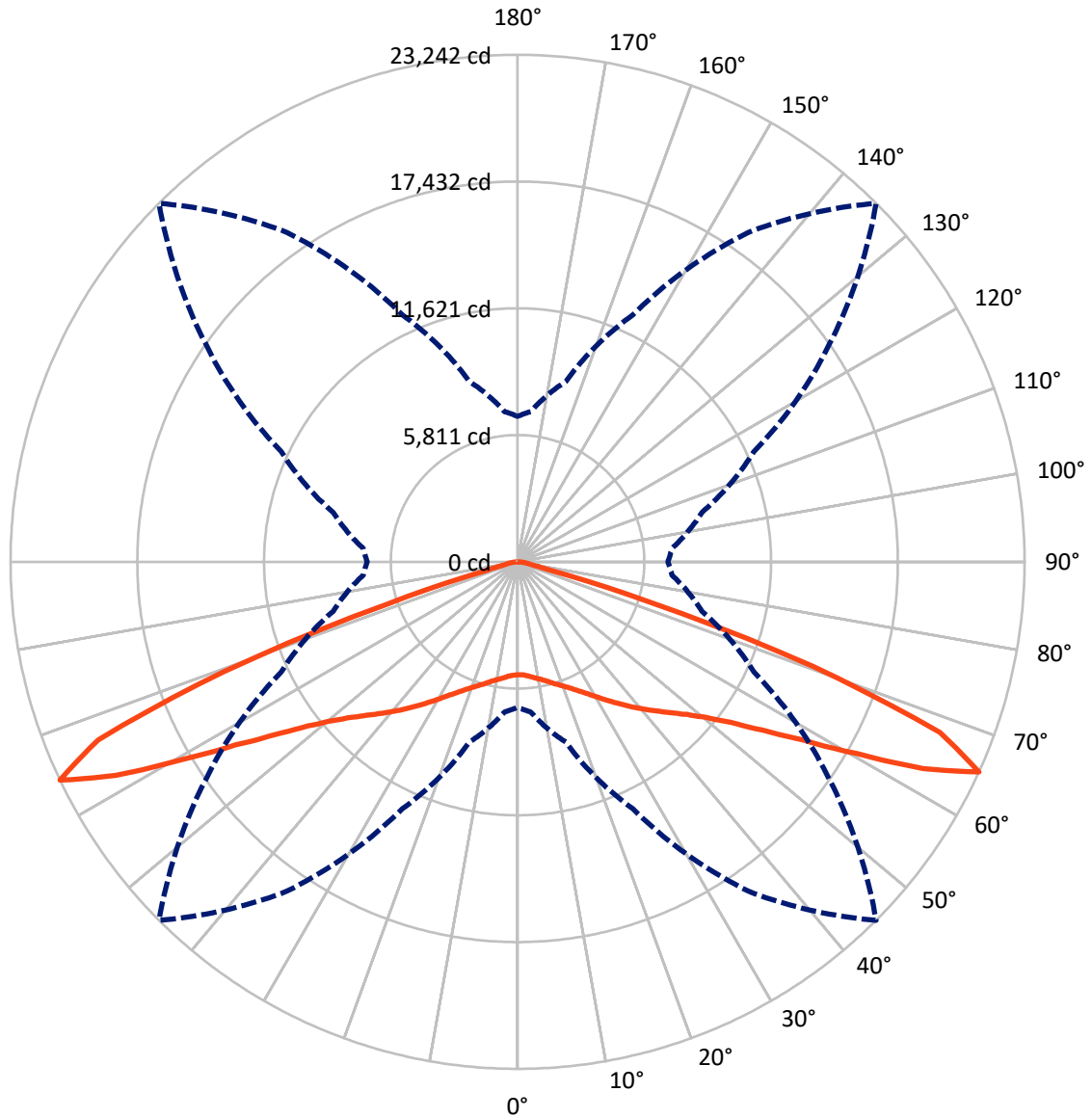
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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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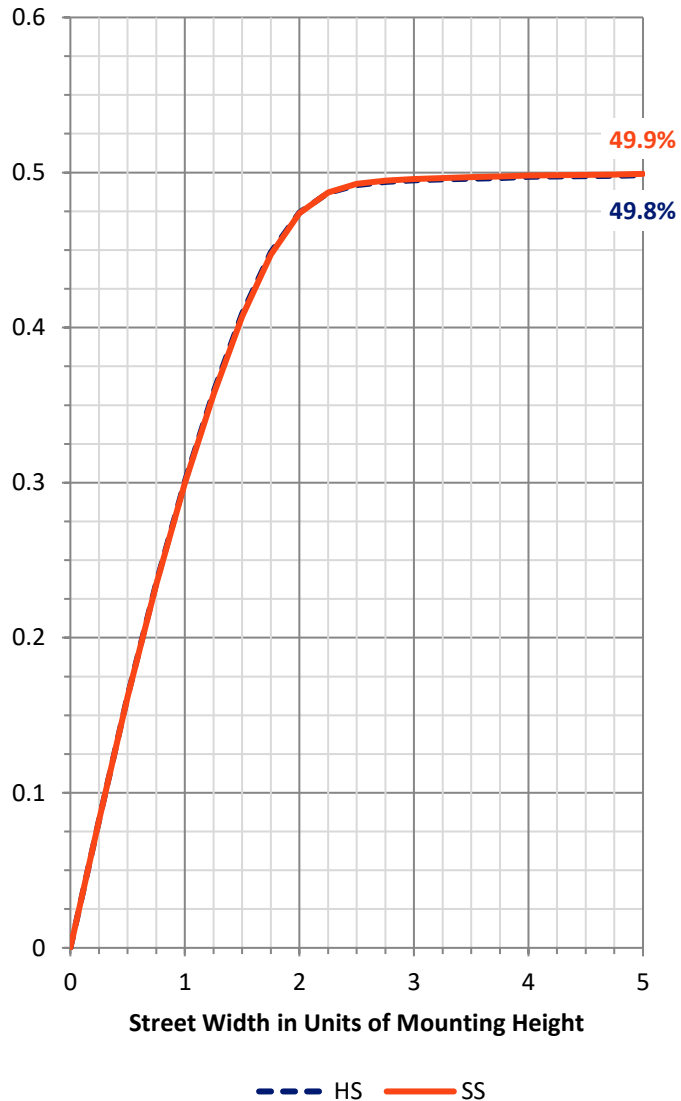
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21446.0	0.0	21446.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21446.0	0.0	21446.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42892.0	0.0	42892.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.2	1.2
10°-20°	1633.5	3.8
20°-30°	3064.8	7.1
30°-40°	5068.5	11.8
40°-50°	7850.4	18.3
50°-60°	12040.3	28.1
60°-70°	11235.0	26.2
70°-80°	1307.6	3.0
80°-90°	183.7	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°	42892.0	100.0
0°-180°	42892.0	100.0

Coefficient of Utilization



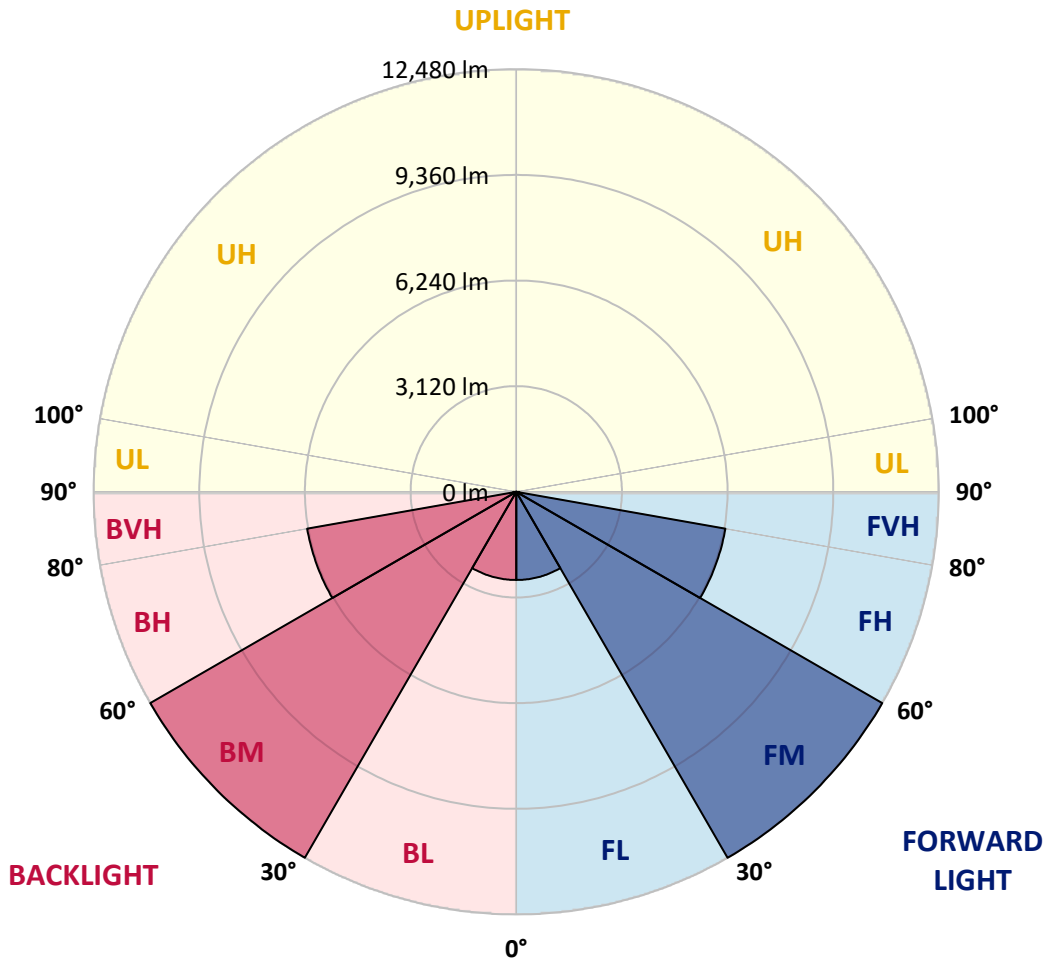
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2603.2	6.1			
FM (30°-60°)	12479.6	29.1			
FH (60°-80°)	6271.3	14.6			G3/7500
FVH (80°-90°)	91.9	0.2			G1/100
BL (0°-30°)	2603.2	6.1	B4/5000		
BM (30°-60°)	12479.6	29.1	B5		
BH (60°-80°)	6271.3	14.6	B5		G3/7500
BVH (80°-90°)	91.9	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°	5179.8	5179.8	5179.8	5179.8	5179.8	5179.8	5179.8	5179.8	5179.8	5179.8	5179.8
2.5°	5196.8	5194.0	5196.8	5198.3	5189.7	5194.0	5192.6	5199.7	5202.5	5199.7	5199.7
5°	5256.6	5252.4	5258.1	5265.2	5253.8	5256.6	5252.4	5260.9	5263.8	5258.1	5262.3
7.5°	5339.2	5340.6	5346.3	5359.1	5352.0	5357.7	5349.2	5350.6	5349.2	5340.6	5342.1
10°	5428.9	5430.3	5440.3	5457.4	5460.2	5460.2	5454.5	5450.3	5444.6	5438.9	5440.3
12.5°	5537.1	5544.2	5551.4	5572.7	5572.7	5584.1	5581.3	5569.9	5559.9	5551.4	5551.4
15°	5683.8	5682.4	5690.9	5712.3	5722.2	5740.7	5740.7	5725.1	5712.3	5703.7	5700.9
17.5°	5837.5	5841.8	5847.5	5873.1	5888.8	5910.2	5913.0	5900.2	5891.6	5880.3	5873.1
20°	6016.9	6024.1	6046.8	6056.8	6071.0	6091.0	6098.1	6095.2	6086.7	6081.0	6082.4
22.5°	6226.2	6244.7	6259.0	6273.2	6290.3	6304.5	6311.7	6321.6	6313.1	6308.8	6306.0
25°	6479.7	6492.5	6521.0	6546.6	6558.0	6562.3	6570.8	6585.0	6583.6	6573.6	6573.6
27.5°	6767.3	6791.5	6827.1	6864.1	6864.1	6849.9	6878.3	6902.5	6894.0	6881.2	6864.1
30°	7116.1	7138.9	7180.2	7231.4	7205.8	7195.8	7234.3	7278.4	7265.6	7244.2	7241.4
32.5°	7492.0	7513.3	7567.4	7623.0	7590.2	7576.0	7617.3	7681.4	7658.6	7615.9	7590.2
35°	7899.2	7920.6	7997.4	8064.4	8008.8	7984.6	8018.8	8088.6	8048.7	7969.0	7949.0
37.5°	8342.0	8353.4	8453.0	8521.4	8482.9	8418.9	8461.6	8512.8	8478.7	8381.9	8343.4
40°	8801.9	8843.2	8958.5	9038.2	8971.3	8870.2	8941.4	9012.6	8961.3	8837.5	8772.0
42.5°	9338.6	9370.0	9523.7	9594.9	9486.7	9344.3	9441.2	9538.0	9486.7	9367.1	9310.2
45°	9896.8	9945.2	10128.9	10200.0	10043.4	9862.6	9980.8	10150.2	10145.9	9973.7	9913.9
47.5°	10504.7	10553.1	10772.4	10866.4	10696.9	10454.9	10621.5	10860.7	10843.6	10654.2	10605.8
50°	11206.7	11257.9	11531.3	11649.5	11491.4	11209.5	11460.1	11670.8	11639.5	11406.0	11410.3
52.5°	12088.0	12085.1	12425.4	12630.5	12468.1	12219.0	12449.6	12654.7	12525.1	12201.9	12191.9
55°	12859.7	12906.7	13328.1	13716.8	13706.8	13611.4	13704.0	13712.5	13342.3	12912.4	12859.7
57.5°	13366.6	13456.3	14050.0	14753.3	15280.1	15406.8	15227.4	14683.6	13816.5	13128.8	13044.8
60°	13054.7	13191.4	14124.0	15557.8	17109.7	17854.3	16842.0	15154.8	13447.7	12489.5	12375.6
62.5°	10950.4	11181.0	12546.4	15169.1	18684.4	20861.4	18012.4	14398.8	11981.2	10661.3	10466.3
65°	6669.0	6912.5	8558.4	12485.2	18429.6	23242.0	17478.5	11951.3	8744.9	7103.3	6892.6
67.5°	2222.5	2293.7	3263.3	6901.1	14484.2	20882.7	14508.4	7154.6	3805.8	2523.0	2448.9
70°	869.9	877.1	1035.1	2000.4	6839.9	14343.3	7547.5	2036.0	1082.1	855.7	874.2
72.5°	639.3	642.1	686.3	835.8	1782.6	6318.8	1846.7	840.0	667.8	599.4	599.4
75°	514.0	514.0	545.3	609.4	798.7	1449.4	810.1	602.3	522.5	478.4	472.7
77.5°	405.8	414.3	438.5	479.8	541.0	697.7	561.0	477.0	421.4	380.2	371.6
80°	301.8	310.4	350.3	370.2	388.7	484.1	414.3	373.0	333.2	284.8	276.2
82.5°	197.9	206.4	256.3	267.7	263.4	316.1	279.1	274.8	244.9	183.7	175.1
85°	129.6	132.4	170.9	178.0	163.7	143.8	178.0	187.9	170.9	119.6	115.3
87.5°	61.2	61.2	86.9	81.2	74.0	59.8	81.2	95.4	96.8	58.4	57.0
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)