

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: P316294

Luminaire Tested: **GLEON-SA0C-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316294
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-SA0C-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 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: 54209 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

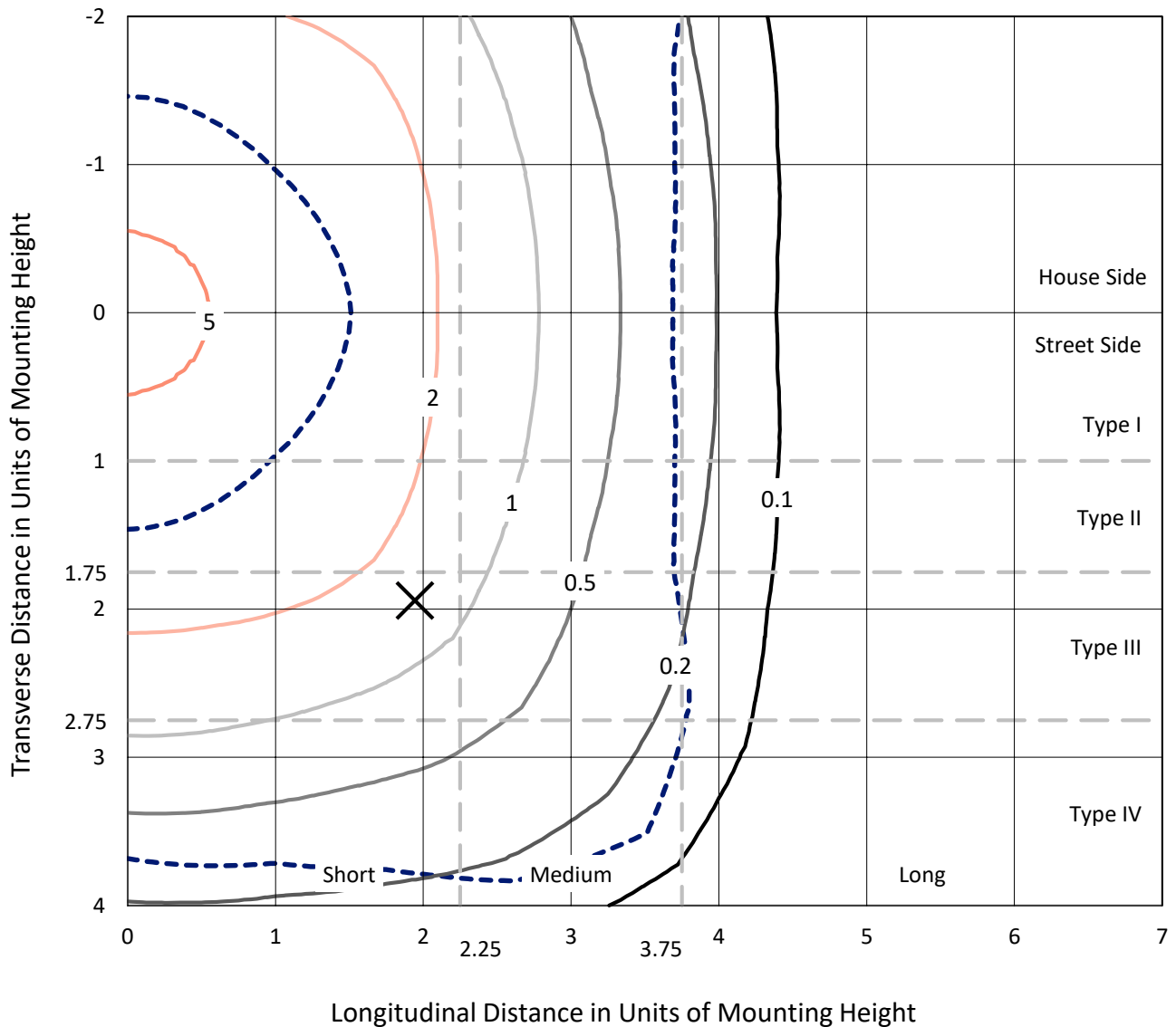
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

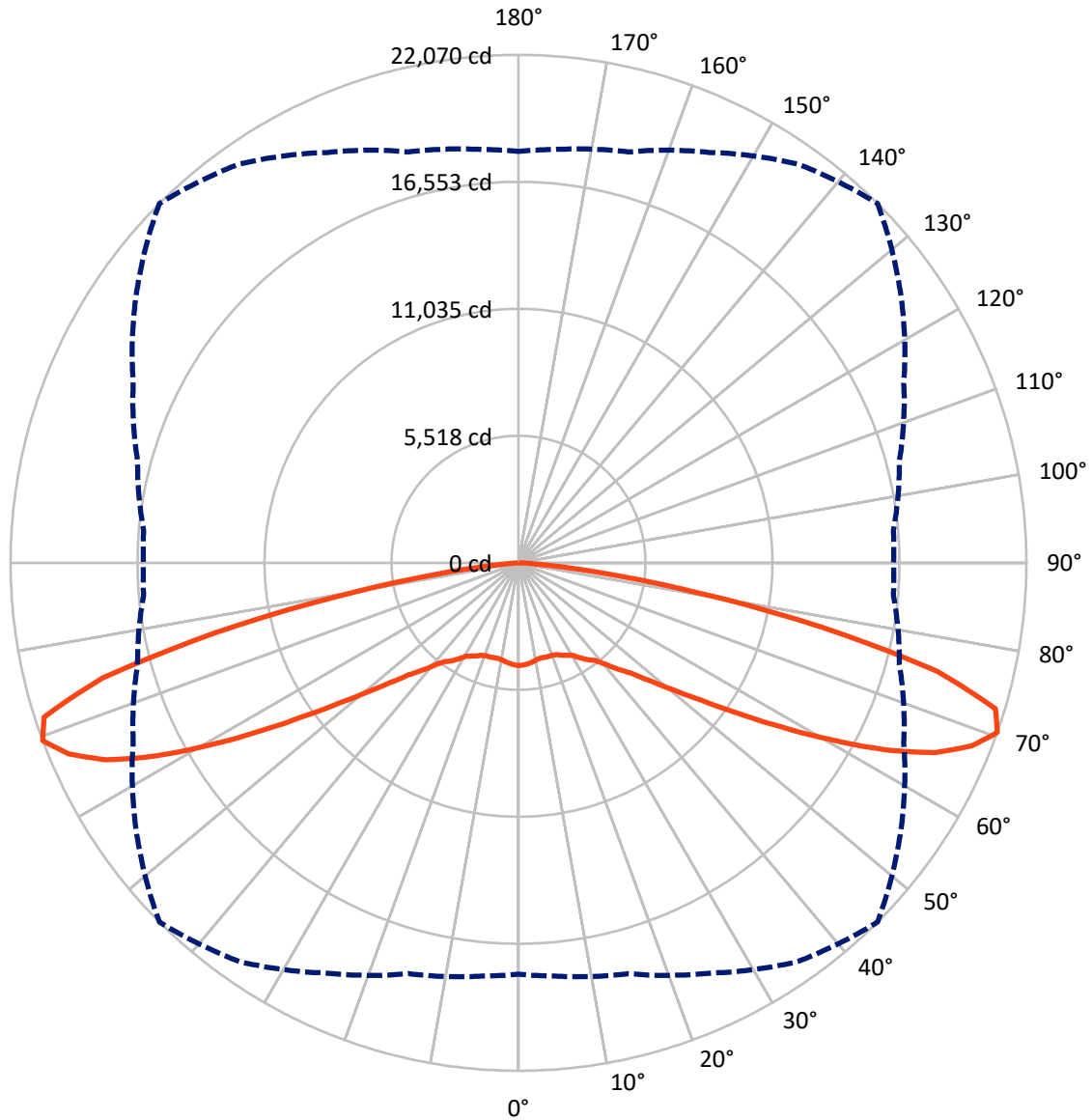
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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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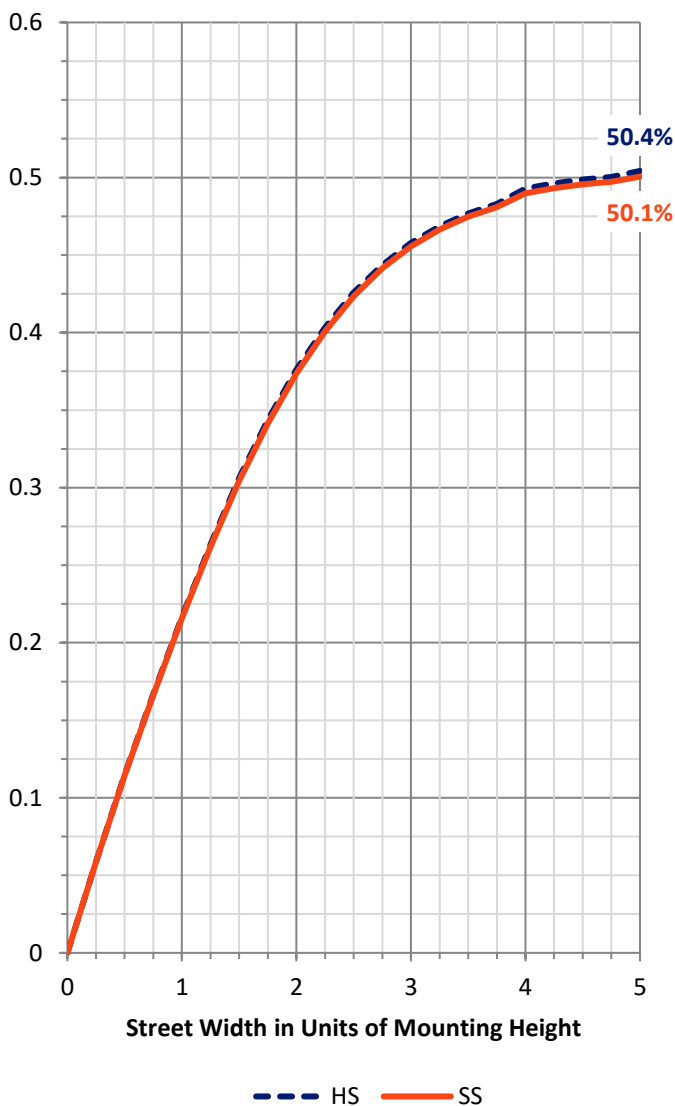
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27104.5	0.0	27104.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27104.5	0.0	27104.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	54209.0	0.0	54209.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.4	0.8
10°-20°	1216.3	2.2
20°-30°	2073.8	3.8
30°-40°	3240.3	6.0
40°-50°	5491.6	10.1
50°-60°	10014.4	18.5
60°-70°	17240.4	31.8
70°-80°	13513.7	24.9
80°-90°	1002.0	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°	54209.0	100.0
0°-180°	54209.0	100.0

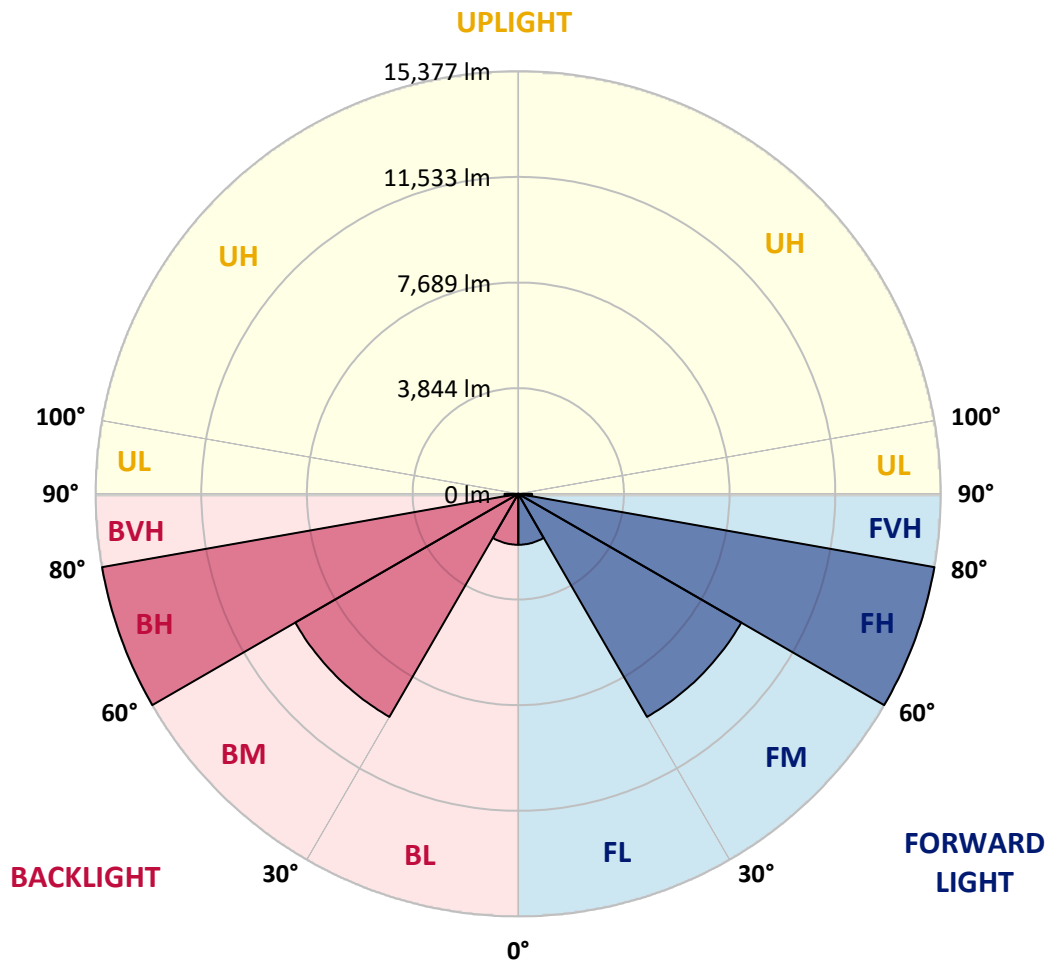


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1853.2	3.4			
FM (30°-60°)	9373.2	17.3			
FH (60°-80°)	15377.1	28.4			G5
FVH (80°-90°)	501.0	0.9			G4/750
BL (0°-30°)	1853.2	3.4	B3/2500		
BM (30°-60°)	9373.2	17.3	B5		
BH (60°-80°)	15377.1	28.4	B5		G5
BVH (80°-90°)	501.0	0.9			G4/750
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°	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4
2.5°	4441.7	4447.1	4441.7	4445.3	4436.3	4439.9	4439.9	4439.9	4438.1	4439.9	4436.3
5°	4402.2	4405.8	4398.6	4402.2	4396.9	4402.2	4404.0	4402.2	4398.6	4400.4	4393.3
7.5°	4343.1	4346.6	4341.3	4346.6	4339.5	4348.4	4346.6	4341.3	4335.9	4335.9	4328.7
10°	4310.8	4312.6	4298.2	4292.9	4276.7	4280.3	4285.7	4291.1	4296.4	4307.2	4305.4
12.5°	4312.6	4312.6	4291.1	4267.7	4244.4	4249.8	4258.8	4278.5	4300.0	4319.7	4321.5
15°	4330.5	4328.7	4296.4	4258.8	4242.6	4258.8	4264.2	4276.7	4310.8	4344.9	4346.6
17.5°	4343.1	4343.1	4292.9	4249.8	4248.0	4273.1	4271.3	4276.7	4314.4	4364.6	4366.4
20°	4366.4	4366.4	4301.8	4255.2	4255.2	4282.1	4283.9	4292.9	4330.5	4386.1	4395.1
22.5°	4418.4	4420.2	4352.0	4314.4	4318.0	4334.1	4339.5	4353.8	4387.9	4448.9	4459.6
25°	4491.9	4495.5	4425.5	4404.0	4416.6	4447.1	4443.5	4454.2	4491.9	4551.1	4561.8
27.5°	4594.1	4585.1	4520.6	4511.6	4524.2	4545.7	4543.9	4545.7	4576.2	4630.0	4642.5
30°	4726.8	4723.2	4676.6	4682.0	4676.6	4669.4	4671.2	4685.6	4701.7	4744.7	4757.3
32.5°	4855.9	4859.5	4830.8	4857.7	4897.1	4924.0	4882.8	4843.4	4825.4	4848.7	4859.5
35°	5089.0	5098.0	5053.2	5035.2	5089.0	5167.9	5051.4	4986.8	5022.7	5053.2	5062.1
37.5°	5485.3	5490.7	5415.4	5343.6	5304.2	5379.5	5263.0	5268.3	5393.9	5451.2	5449.4
40°	5937.2	5939.0	5888.8	5826.0	5757.9	5775.8	5729.2	5743.5	5826.0	5878.0	5892.4
42.5°	6475.1	6469.8	6390.9	6301.2	6281.5	6299.4	6220.5	6209.7	6304.8	6398.0	6399.8
45°	7172.7	7160.1	7057.9	6959.3	6864.3	6824.8	6805.1	6857.1	6988.0	7074.1	7075.9
47.5°	7924.0	7890.0	7836.2	7757.3	7674.8	7635.3	7603.0	7628.1	7723.2	7757.3	7760.8
50°	8696.9	8704.0	8714.8	8684.3	8653.8	8641.3	8557.0	8508.6	8537.3	8474.5	8465.6
52.5°	9613.2	9627.5	9731.5	9819.4	9871.4	9898.3	9738.7	9571.9	9478.7	9356.8	9320.9
55°	10694.5	10717.8	10870.2	11114.1	11365.1	11497.8	11209.1	10897.1	10608.4	10380.7	10307.1
57.5°	11899.5	11940.7	12150.5	12618.5	13133.2	13447.0	12959.2	12392.6	11834.9	11506.8	11449.4
60°	13312.5	13351.9	13642.4	14313.1	15146.9	15618.5	14879.7	13952.7	13258.7	12944.9	12839.1
62.5°	14994.5	14998.1	15354.9	16138.5	17239.5	17895.8	16895.3	15656.2	14940.7	14562.3	14460.1
65°	16803.8	16812.8	17182.2	18028.5	19167.2	19880.9	18751.2	17460.1	16585.0	16027.4	15948.5
67.5°	18082.3	18120.0	18509.1	19527.6	20592.8	21236.5	20067.4	18607.7	17596.4	16931.1	16864.8
70°	17877.9	18024.9	18482.2	19671.1	21152.2	22070.3	20280.8	18471.4	17137.3	16351.9	16296.3
72.5°	15591.6	15873.1	16482.8	18042.9	20411.7	21675.8	19117.0	16543.8	15033.9	14365.1	14264.7
75°	10617.4	11074.6	11994.5	14244.9	17438.6	18767.3	16093.7	13190.6	11770.4	10845.1	10777.0
77.5°	4734.0	4838.0	6003.5	8594.7	12034.0	13477.5	11693.3	8628.7	6476.9	5166.1	4890.0
80°	1319.8	1335.9	1782.4	3200.8	6023.3	7918.6	6466.2	3362.2	1890.0	1332.3	1255.2
82.5°	419.6	455.5	555.9	830.2	2024.5	3613.2	2078.3	896.6	638.4	509.3	459.1
85°	204.4	202.6	281.5	337.1	516.4	799.8	550.5	416.0	364.0	242.1	218.8
87.5°	86.1	87.9	130.9	118.3	150.6	129.1	177.5	186.5	195.5	107.6	93.2
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)