

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: P316602

Luminaire Tested: **GLEON-SA8B-827-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA8B-827-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35368 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

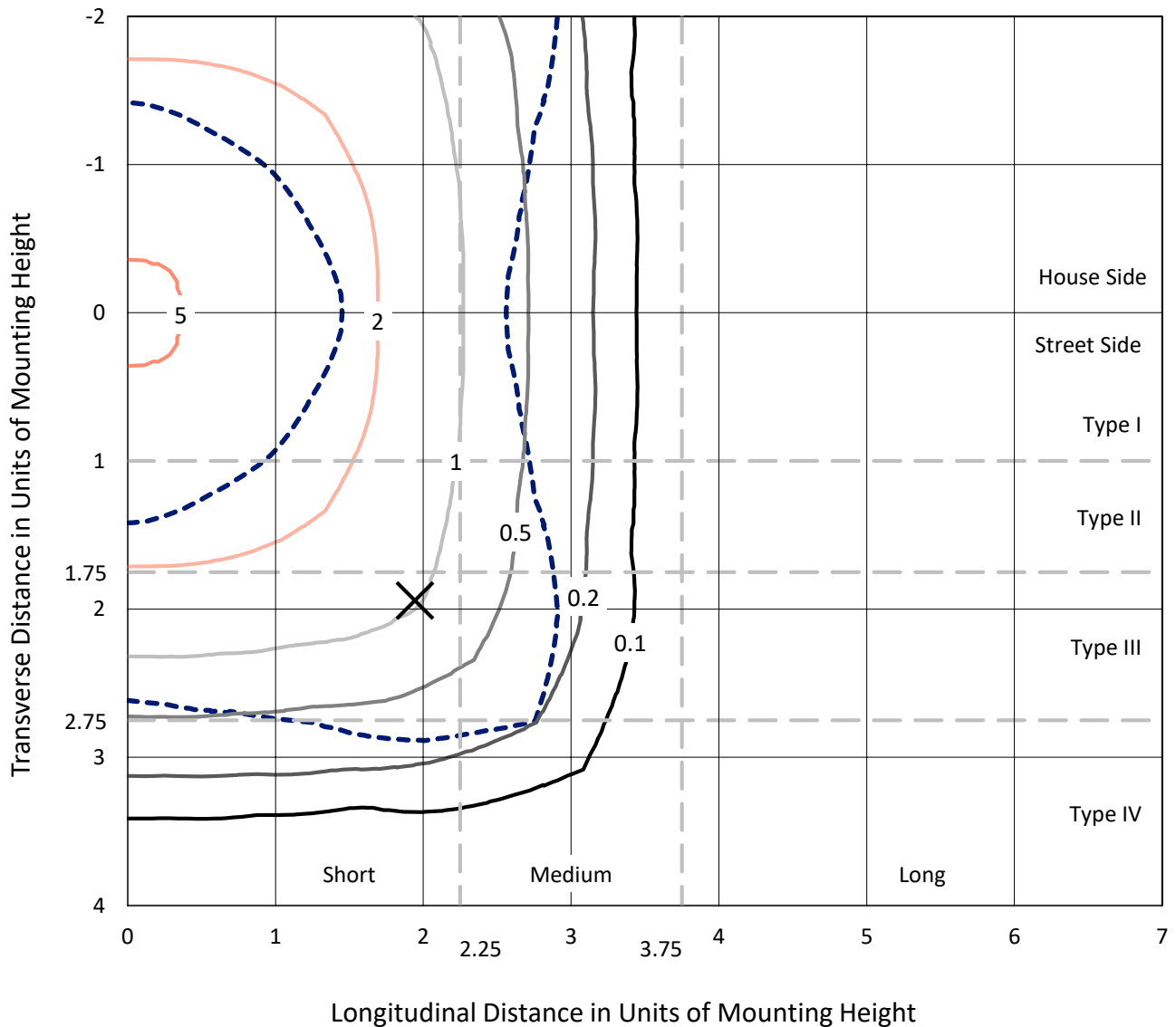
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

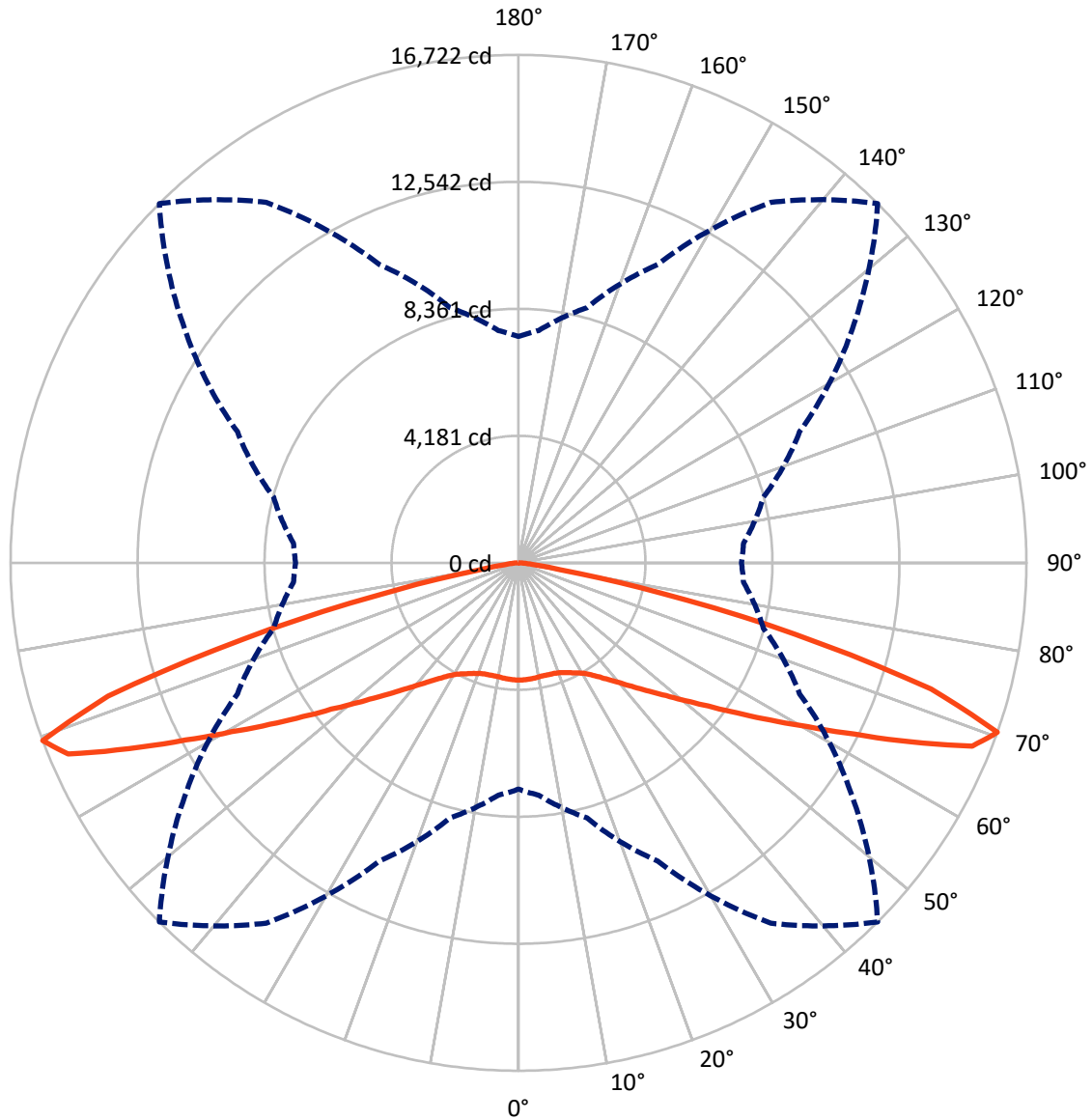
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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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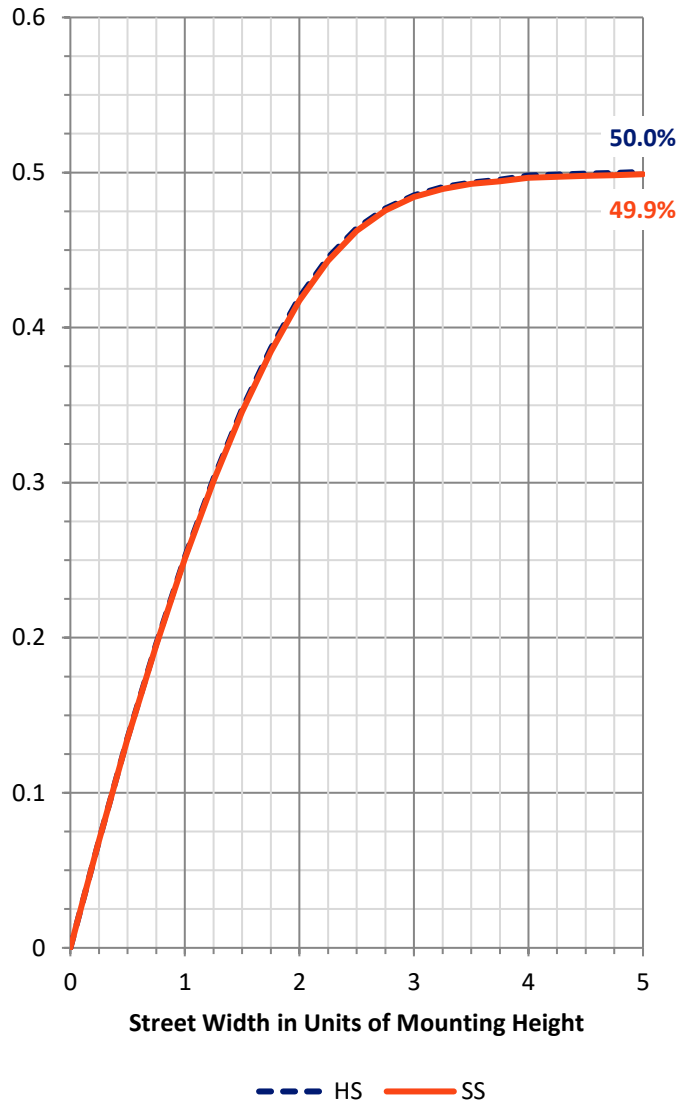
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17684.0	0.0	17684.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17684.0	0.0	17684.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35368.0	0.0	35368.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.8	1.0
10°-20°	1074.0	3.0
20°-30°	1828.3	5.2
30°-40°	2899.7	8.2
40°-50°	4718.7	13.3
50°-60°	7780.3	22.0
60°-70°	11421.7	32.3
70°-80°	5050.7	14.3
80°-90°	228.7	0.6
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°	35368.0	100.0
0°-180°	35368.0	100.0

Coefficient of Utilization

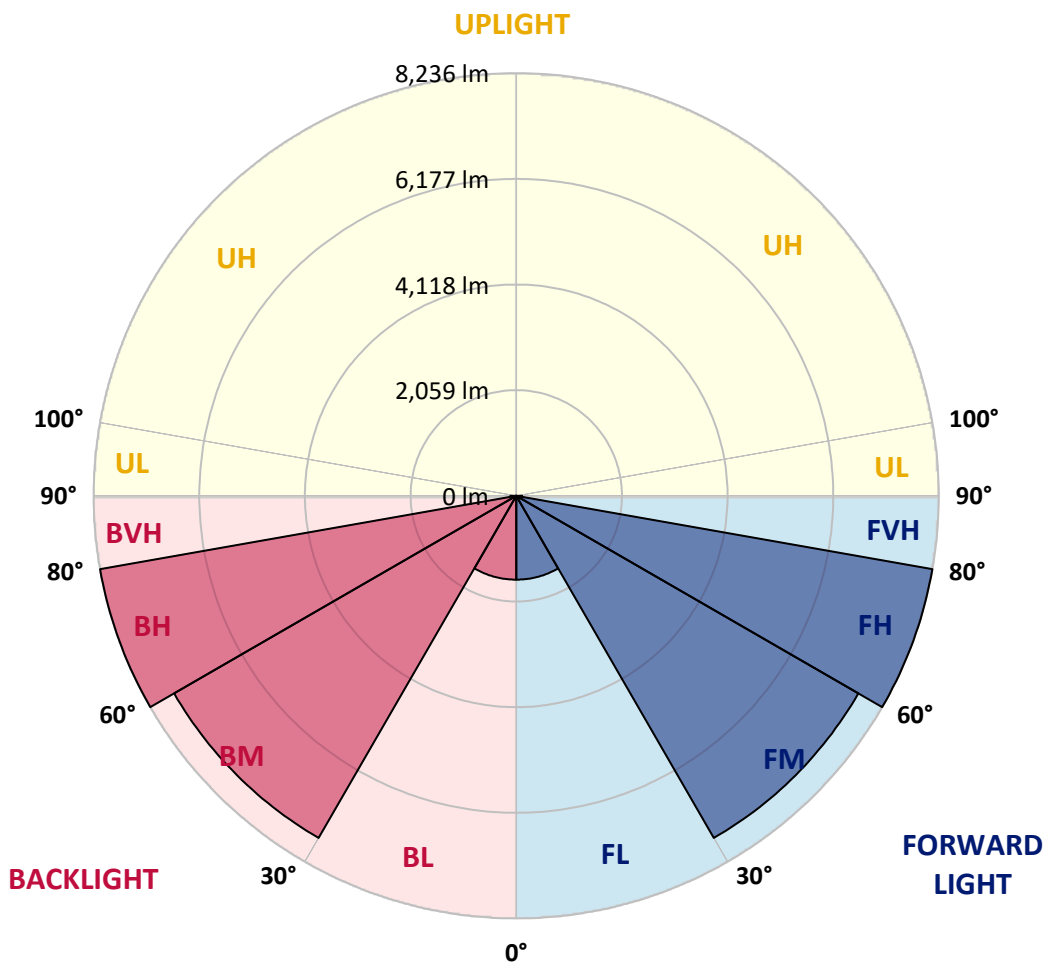


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1634.1	4.6			
FM (30°-60°)	7699.4	21.8			
FH (60°-80°)	8236.2	23.3			G4/12000
FVH (80°-90°)	114.4	0.3			G2/225
BL (0°-30°)	1634.1	4.6	B3/2500		
BM (30°-60°)	7699.4	21.8	B4/8500		
BH (60°-80°)	8236.2	23.3	B5		G4/12000
BVH (80°-90°)	114.4	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7	3862.7
2.5°	3856.9	3853.4	3861.6	3860.4	3853.4	3854.5	3854.5	3858.1	3858.1	3855.7	3855.7
5°	3842.8	3840.5	3849.9	3849.9	3842.8	3845.2	3847.5	3851.0	3849.9	3847.5	3846.3
7.5°	3825.3	3824.1	3833.5	3833.5	3828.8	3831.1	3828.8	3830.0	3827.6	3825.3	3821.8
10°	3796.0	3798.4	3806.6	3808.9	3808.9	3810.1	3807.7	3801.9	3798.4	3794.8	3791.3
12.5°	3769.1	3767.9	3779.6	3785.5	3794.8	3805.4	3798.4	3782.0	3774.9	3767.9	3765.6
15°	3751.5	3752.7	3764.4	3774.9	3791.3	3813.6	3805.4	3779.6	3765.6	3757.4	3755.0
17.5°	3748.0	3750.4	3765.6	3784.3	3801.9	3826.4	3821.8	3796.0	3772.6	3757.4	3753.9
20°	3756.2	3757.4	3780.8	3807.7	3838.2	3861.6	3851.0	3822.9	3791.3	3767.9	3762.1
22.5°	3771.4	3776.1	3805.4	3847.5	3894.3	3925.9	3913.1	3865.1	3815.9	3786.7	3778.5
25°	3819.4	3820.6	3860.4	3917.8	3973.9	4010.2	3995.0	3927.1	3863.9	3831.1	3820.6
27.5°	3918.9	3922.4	3962.2	4029.0	4076.9	4100.4	4091.0	4036.0	3982.1	3947.0	3950.5
30°	4062.9	4067.6	4112.1	4185.8	4215.1	4220.9	4218.6	4192.8	4143.7	4096.8	4100.4
32.5°	4238.5	4240.8	4300.5	4367.2	4390.6	4395.3	4390.6	4367.2	4308.7	4245.5	4249.0
35°	4464.4	4471.4	4528.8	4593.1	4611.9	4621.2	4613.0	4582.6	4521.7	4459.7	4457.4
37.5°	4743.0	4744.1	4803.8	4870.6	4894.0	4896.3	4886.9	4867.0	4791.0	4734.8	4731.3
40°	5066.0	5070.7	5141.0	5212.4	5221.7	5211.2	5224.1	5212.4	5133.9	5069.5	5080.1
42.5°	5459.3	5469.9	5554.1	5624.4	5597.5	5591.6	5599.8	5603.3	5540.1	5461.7	5454.7
45°	5917.0	5926.4	6031.7	6087.9	6070.3	6031.7	6048.1	6076.2	5988.4	5891.3	5900.6
47.5°	6439.1	6462.5	6574.8	6627.5	6584.2	6531.5	6563.1	6605.3	6502.3	6381.7	6375.9
50°	7019.6	7048.9	7198.7	7272.5	7229.2	7132.0	7184.7	7212.8	7064.1	6908.4	6895.6
52.5°	7638.9	7668.1	7856.6	8008.7	7980.6	7829.6	7903.4	7874.1	7703.2	7493.7	7477.3
55°	8340.0	8351.7	8555.4	8801.2	8829.3	8718.1	8713.4	8665.4	8412.6	8170.3	8158.6
57.5°	9061.0	9069.2	9332.6	9622.9	9755.2	9755.2	9624.1	9522.2	9186.3	8905.4	8876.1
60°	9839.4	9868.7	10160.2	10554.6	10863.7	10955.0	10723.2	10445.8	10080.6	9737.6	9703.7
62.5°	10532.4	10566.3	11012.3	11599.9	12096.2	12428.6	11862.1	11410.3	10745.4	10195.3	10130.9
65°	10620.2	10711.5	11361.1	12425.1	13536.0	14199.7	13113.4	12000.2	10788.7	10024.4	9958.8
67.5°	9699.0	9853.5	10731.4	12387.7	14683.1	16107.6	13912.9	11663.1	10011.5	9166.4	9093.8
70°	7452.7	7677.5	8690.0	10835.6	14485.3	16722.1	13411.9	10210.5	8347.0	7437.5	7335.7
72.5°	4088.6	4181.1	5091.8	7420.0	11612.8	14210.2	11186.7	7549.9	5535.4	4504.2	4333.3
75°	1296.9	1329.7	1793.2	3036.3	6569.0	9412.2	7106.3	3705.9	2040.2	1504.1	1486.6
77.5°	575.9	579.4	648.5	886.1	2262.6	4768.7	2718.0	1009.0	695.3	607.5	627.4
80°	364.0	364.0	401.5	438.9	615.7	1384.7	735.1	479.9	409.7	380.4	388.6
82.5°	174.4	193.1	261.0	280.9	338.3	465.9	376.9	313.7	273.9	203.7	189.6
85°	114.7	96.0	165.0	186.1	196.6	223.6	218.9	207.2	179.1	101.8	113.5
87.5°	51.5	49.2	85.4	78.4	73.7	56.2	84.3	104.2	100.7	50.3	50.3
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)