

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: P316610

Luminaire Tested: **GLEON-SA6C-827-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316610
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-SA6C-827-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32669 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

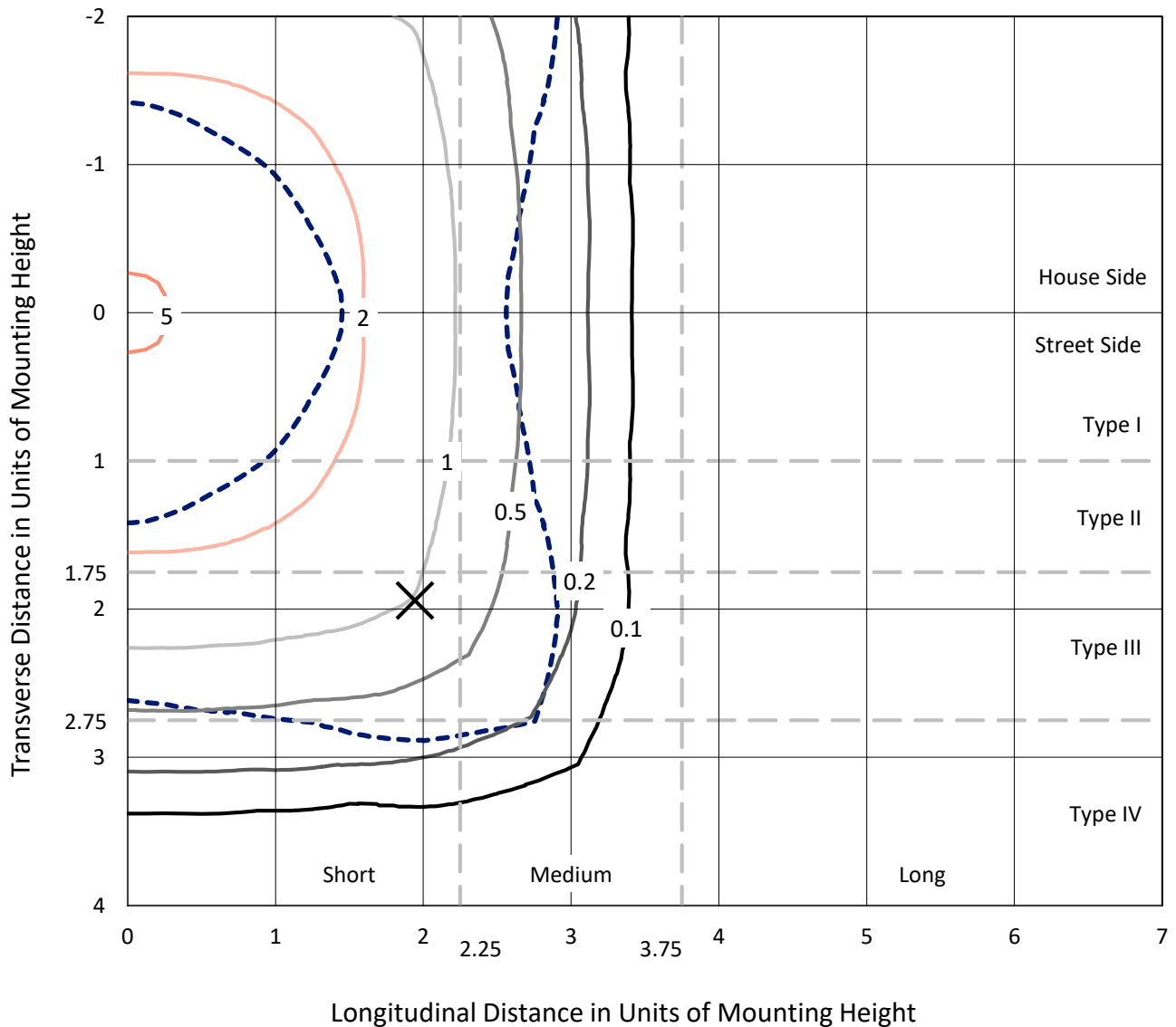
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

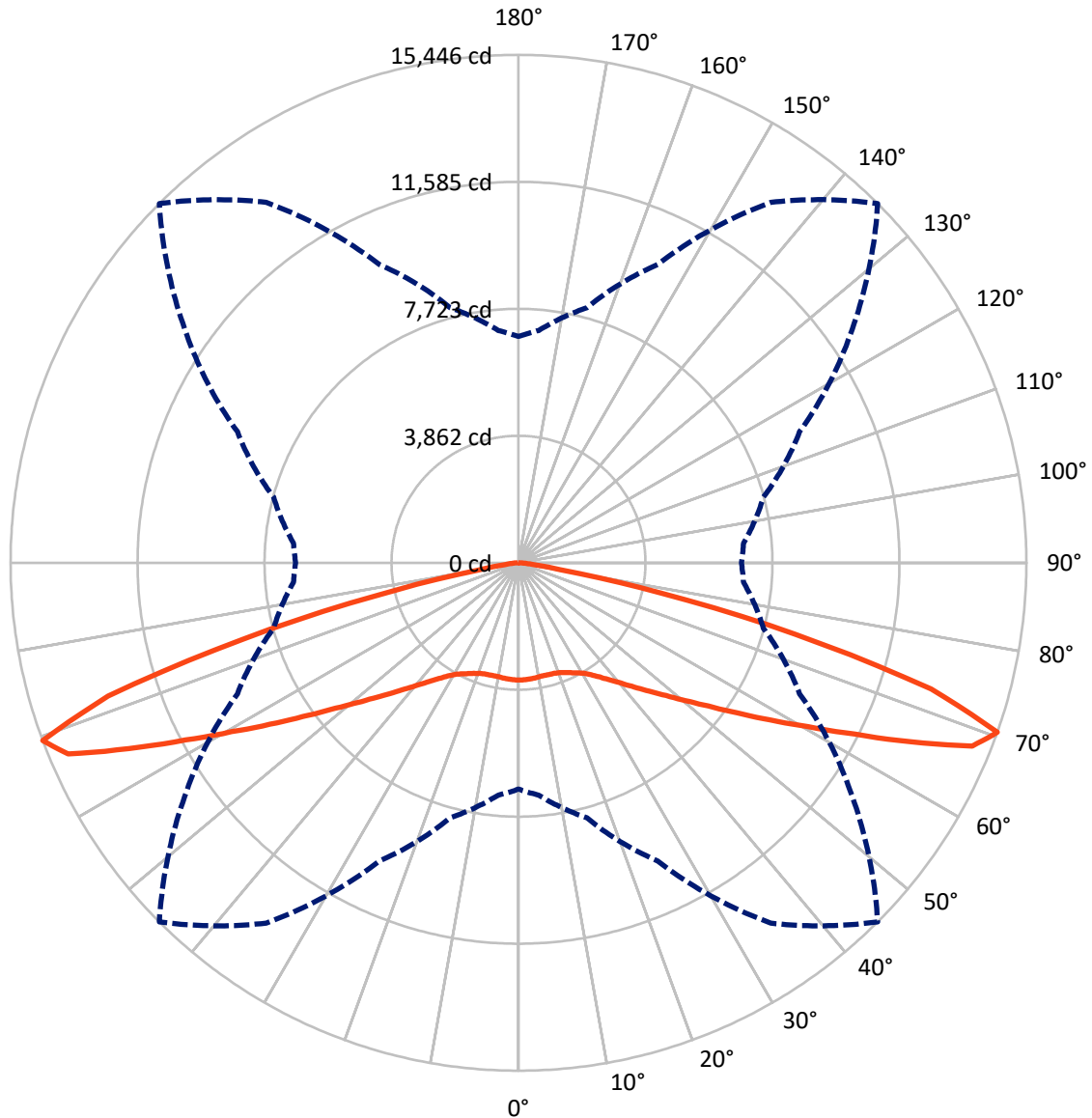
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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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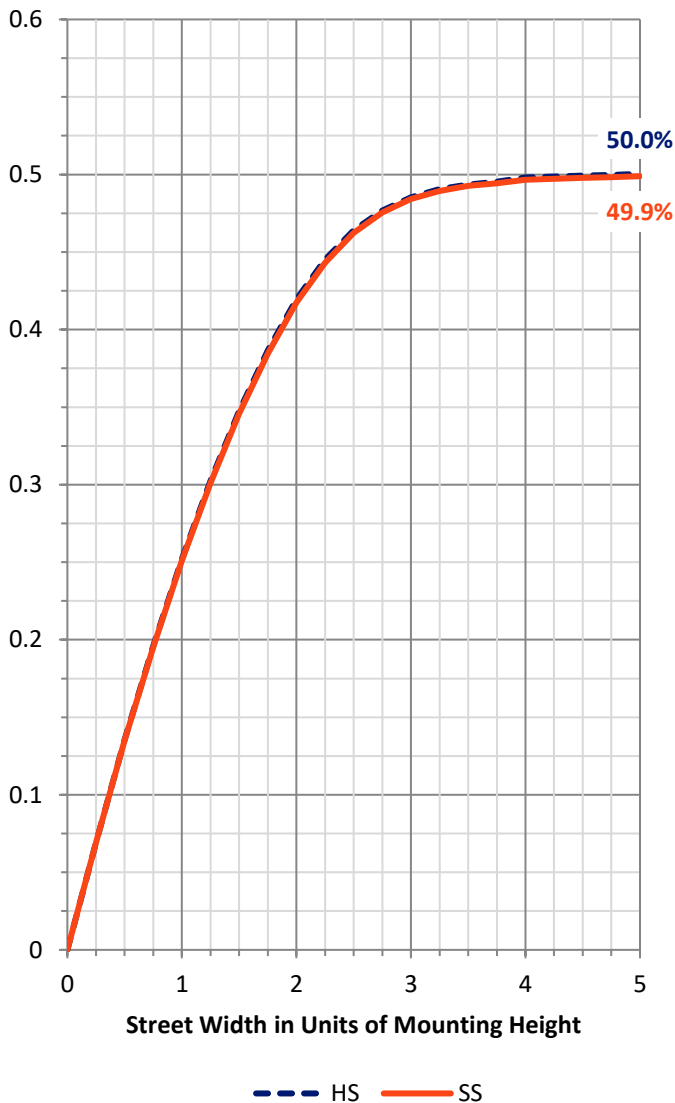
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16334.5	0.0	16334.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16334.5	0.0	16334.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32669.0	0.0	32669.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.9	1.0
10°-20°	992.1	3.0
20°-30°	1688.8	5.2
30°-40°	2678.4	8.2
40°-50°	4358.6	13.3
50°-60°	7186.6	22.0
60°-70°	10550.1	32.3
70°-80°	4665.2	14.3
80°-90°	211.3	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°	32669.0	100.0
0°-180°	32669.0	100.0



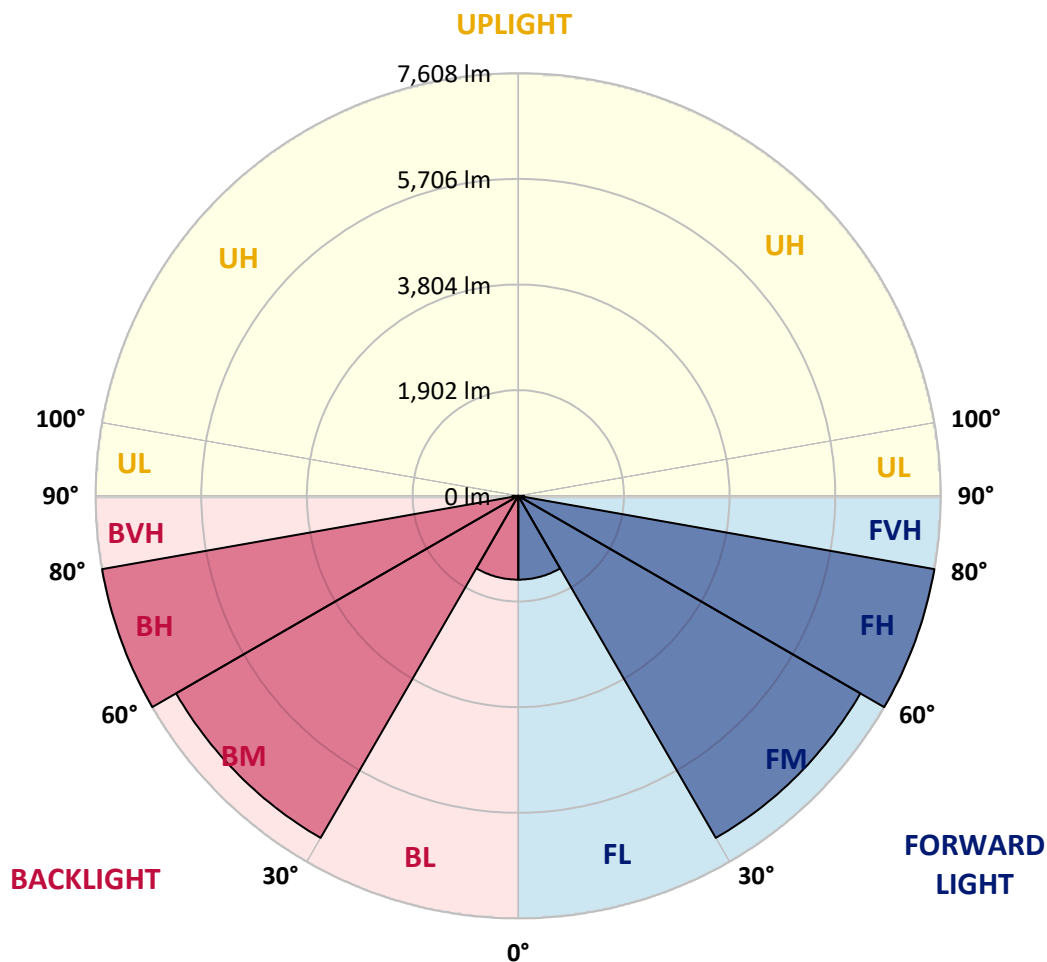
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1509.4	4.6			
FM (30°-60°)	7111.8	21.8			
FH (60°-80°)	7607.7	23.3			G4/12000
FVH (80°-90°)	105.6	0.3			G2/225
BL (0°-30°)	1509.4	4.6	B3/2500		
BM (30°-60°)	7111.8	21.8	B4/8500		
BH (60°-80°)	7607.7	23.3	B5		G4/12000
BVH (80°-90°)	105.6	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°	3568.0	3568.0	3568.0	3568.0	3568.0	3568.0	3568.0	3568.0	3568.0	3568.0	3568.0
2.5°	3562.6	3559.3	3566.9	3565.8	3559.3	3560.4	3560.4	3563.6	3563.6	3561.5	3561.5
5°	3549.6	3547.4	3556.1	3556.1	3549.6	3551.7	3553.9	3557.2	3556.1	3553.9	3552.8
7.5°	3533.4	3532.3	3540.9	3540.9	3536.6	3538.8	3536.6	3537.7	3535.5	3533.4	3530.1
10°	3506.3	3508.5	3516.1	3518.2	3518.2	3519.3	3517.1	3511.7	3508.5	3505.3	3502.0
12.5°	3481.5	3480.4	3491.2	3496.6	3505.3	3515.0	3508.5	3493.4	3486.9	3480.4	3478.2
15°	3465.2	3466.3	3477.1	3486.9	3502.0	3522.6	3515.0	3491.2	3478.2	3470.7	3468.5
17.5°	3462.0	3464.2	3478.2	3495.5	3511.7	3534.4	3530.1	3506.3	3484.7	3470.7	3467.4
20°	3469.6	3470.7	3492.3	3517.1	3545.3	3566.9	3557.2	3531.2	3502.0	3480.4	3475.0
22.5°	3483.6	3488.0	3515.0	3553.9	3597.2	3626.3	3614.5	3570.1	3524.7	3497.7	3490.1
25°	3528.0	3529.0	3565.8	3618.8	3670.7	3704.2	3690.1	3627.4	3569.0	3538.8	3529.0
27.5°	3619.9	3623.1	3659.9	3721.5	3765.8	3787.4	3778.8	3728.0	3678.2	3645.8	3649.1
30°	3752.8	3757.2	3798.3	3866.4	3893.4	3898.8	3896.6	3872.9	3827.5	3784.2	3787.4
32.5°	3915.0	3917.2	3972.3	4034.0	4055.6	4059.9	4055.6	4034.0	3979.9	3921.5	3924.8
35°	4123.7	4130.2	4183.2	4242.6	4259.9	4268.6	4261.0	4232.9	4176.7	4119.4	4117.2
37.5°	4381.0	4382.1	4437.2	4498.9	4520.5	4522.7	4514.0	4495.6	4425.4	4373.5	4370.2
40°	4679.4	4683.8	4748.6	4814.6	4823.2	4813.5	4825.4	4814.6	4742.1	4682.7	4692.4
42.5°	5042.7	5052.5	5130.3	5195.2	5170.3	5164.9	5172.5	5175.7	5117.3	5044.9	5038.4
45°	5465.5	5474.1	5571.4	5623.3	5607.1	5571.4	5586.6	5612.5	5531.4	5441.7	5450.3
47.5°	5947.7	5969.3	6073.1	6121.8	6081.8	6033.1	6062.3	6101.2	6006.1	5894.7	5889.3
50°	6484.0	6511.0	6649.4	6717.5	6677.5	6587.8	6636.4	6662.4	6525.0	6381.2	6369.4
52.5°	7055.9	7082.9	7257.0	7397.6	7371.6	7232.2	7300.3	7273.2	7115.4	6921.8	6906.7
55°	7703.6	7714.4	7902.5	8129.6	8155.5	8052.8	8048.5	8004.1	7770.6	7546.8	7536.0
57.5°	8369.6	8377.1	8620.4	8888.6	9010.7	9010.7	8889.6	8795.6	8485.3	8225.8	8198.7
60°	9088.6	9115.6	9384.8	9749.2	10034.6	10119.0	9904.9	9648.6	9311.3	8994.5	8963.2
62.5°	9728.6	9760.0	10171.9	10714.7	11173.1	11480.2	10956.9	10539.5	9925.4	9417.3	9357.8
65°	9809.7	9894.1	10494.1	11476.9	12503.0	13116.0	12112.7	11084.5	9965.4	9259.4	9198.9
67.5°	8958.8	9101.5	9912.5	11442.3	13562.6	14878.4	12851.2	10773.1	9247.5	8466.9	8399.9
70°	6884.0	7091.6	8026.8	10008.7	13379.9	15446.0	12388.4	9431.3	7710.0	6870.0	6775.9
72.5°	3776.6	3862.0	4703.2	6853.7	10726.6	13125.8	10333.0	6973.7	5113.0	4160.5	4002.6
75°	1198.0	1228.2	1656.4	2804.6	6067.7	8693.9	6564.0	3423.1	1884.5	1389.3	1373.1
77.5°	532.0	535.2	599.0	818.5	2090.0	4404.8	2510.5	932.0	642.2	561.1	579.5
80°	336.3	336.3	370.9	405.5	568.7	1279.1	679.0	443.3	378.4	351.4	359.0
82.5°	161.1	178.4	241.1	259.5	312.5	430.3	348.1	289.8	253.0	188.1	175.2
85°	106.0	88.7	152.4	171.9	181.6	206.5	202.2	191.4	165.4	94.1	104.9
87.5°	47.6	45.4	78.9	72.4	68.1	51.9	77.8	96.2	93.0	46.5	46.5
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)