

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: P383328

Luminaire Tested: **GLEON-SA6C-735-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383328  
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-SA6C-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 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: 41509.8 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

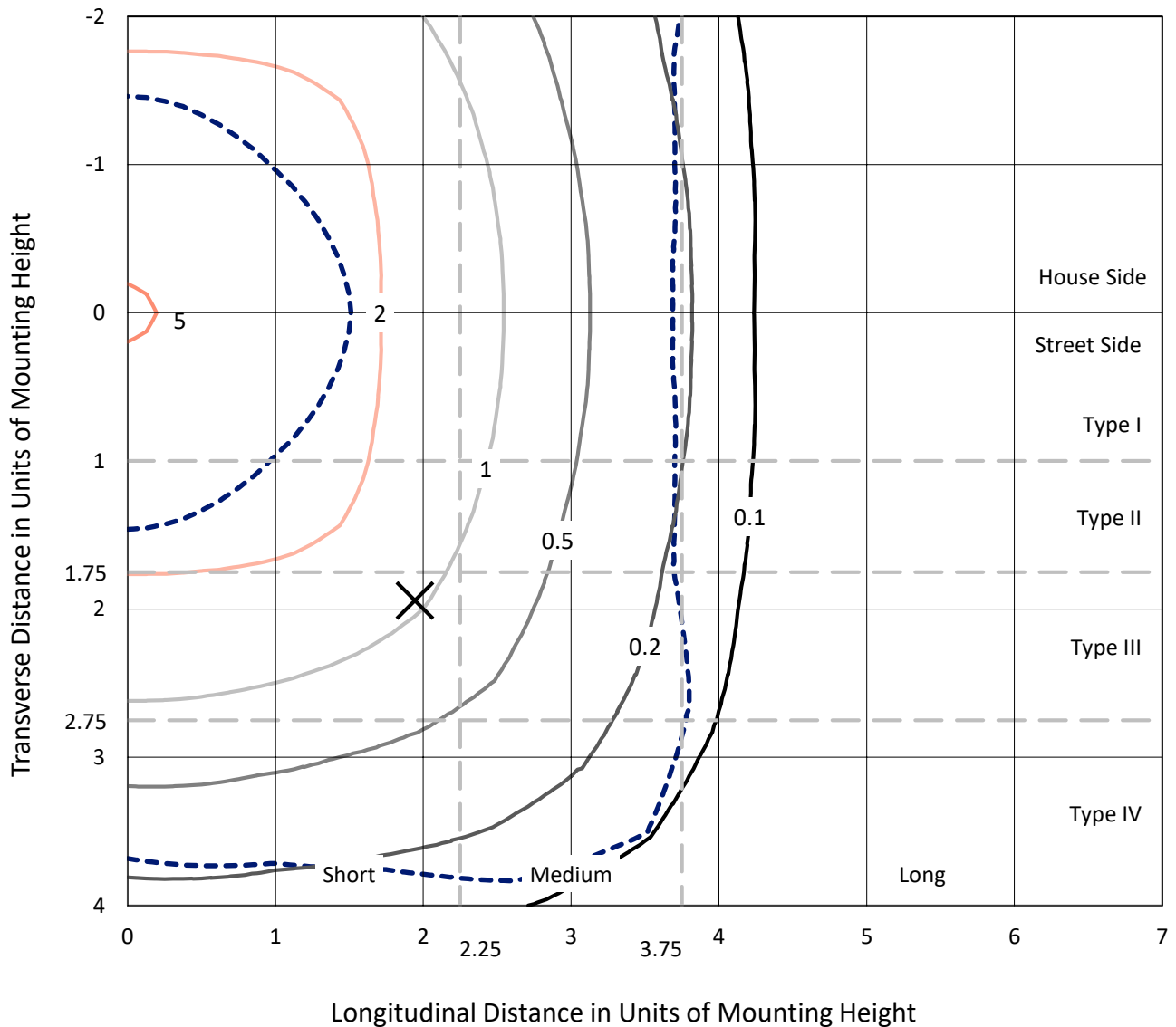
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

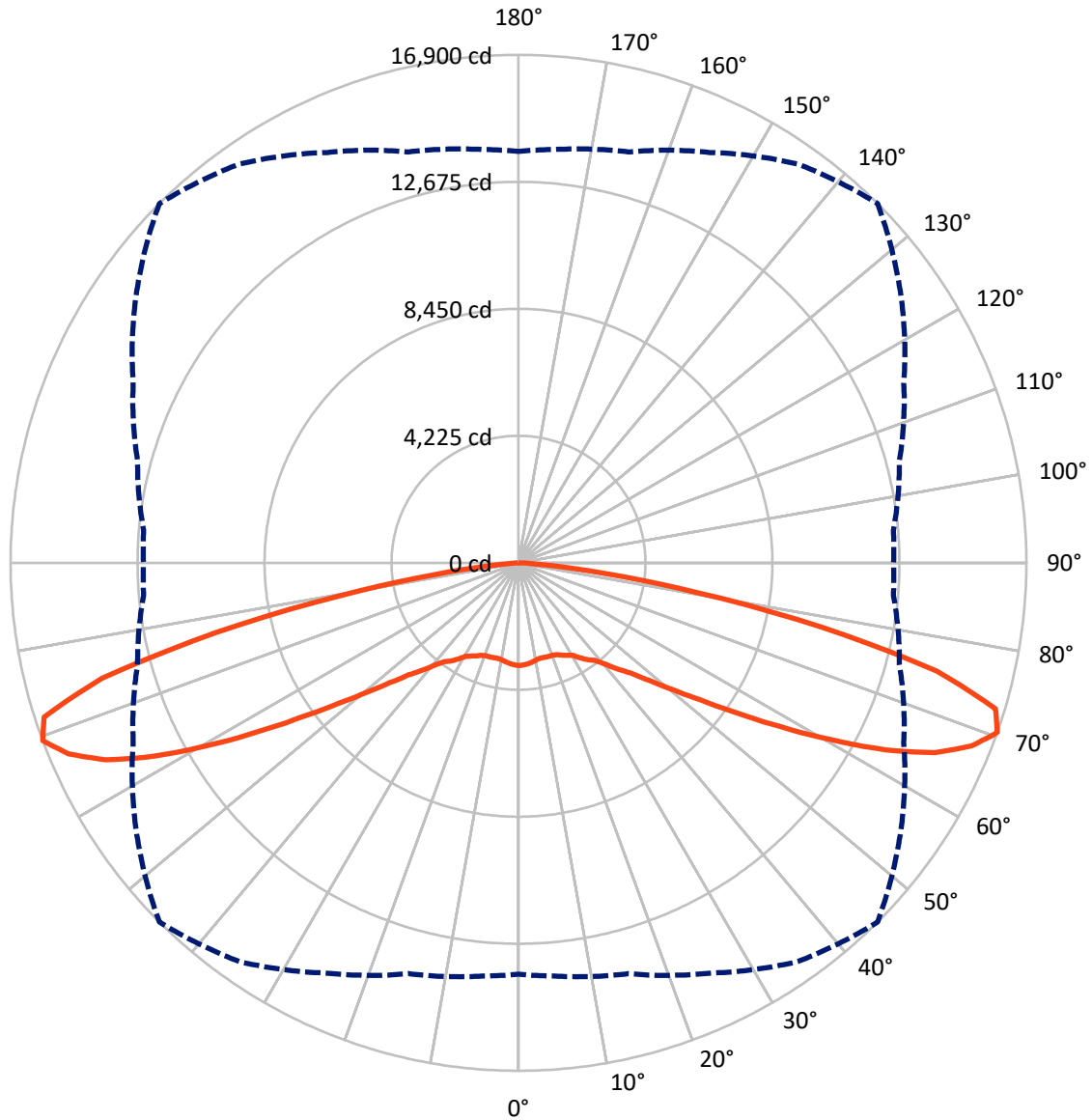
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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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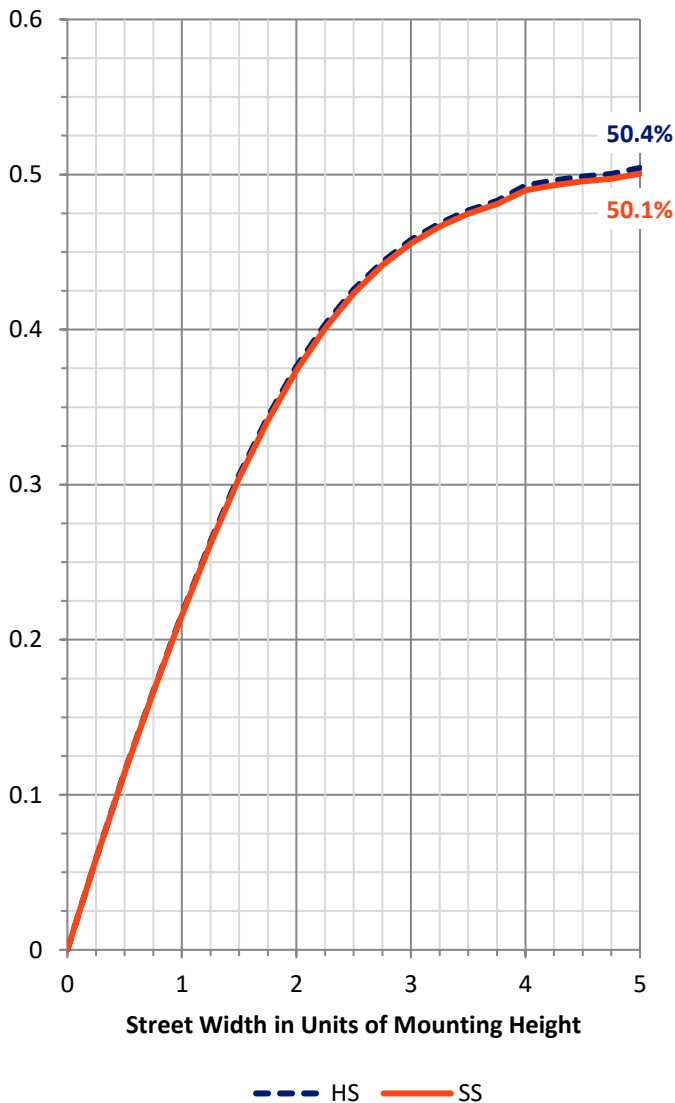
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20754.9	0.0	20754.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20754.9	0.0	20754.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41509.8	0.0	41509.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.9	0.8
10°-20°	931.4	2.2
20°-30°	1588.0	3.8
30°-40°	2481.2	6.0
40°-50°	4205.1	10.1
50°-60°	7668.4	18.5
60°-70°	13201.6	31.8
70°-80°	10347.9	24.9
80°-90°	767.3	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°	41509.8	100.0
0°-180°	41509.8	100.0

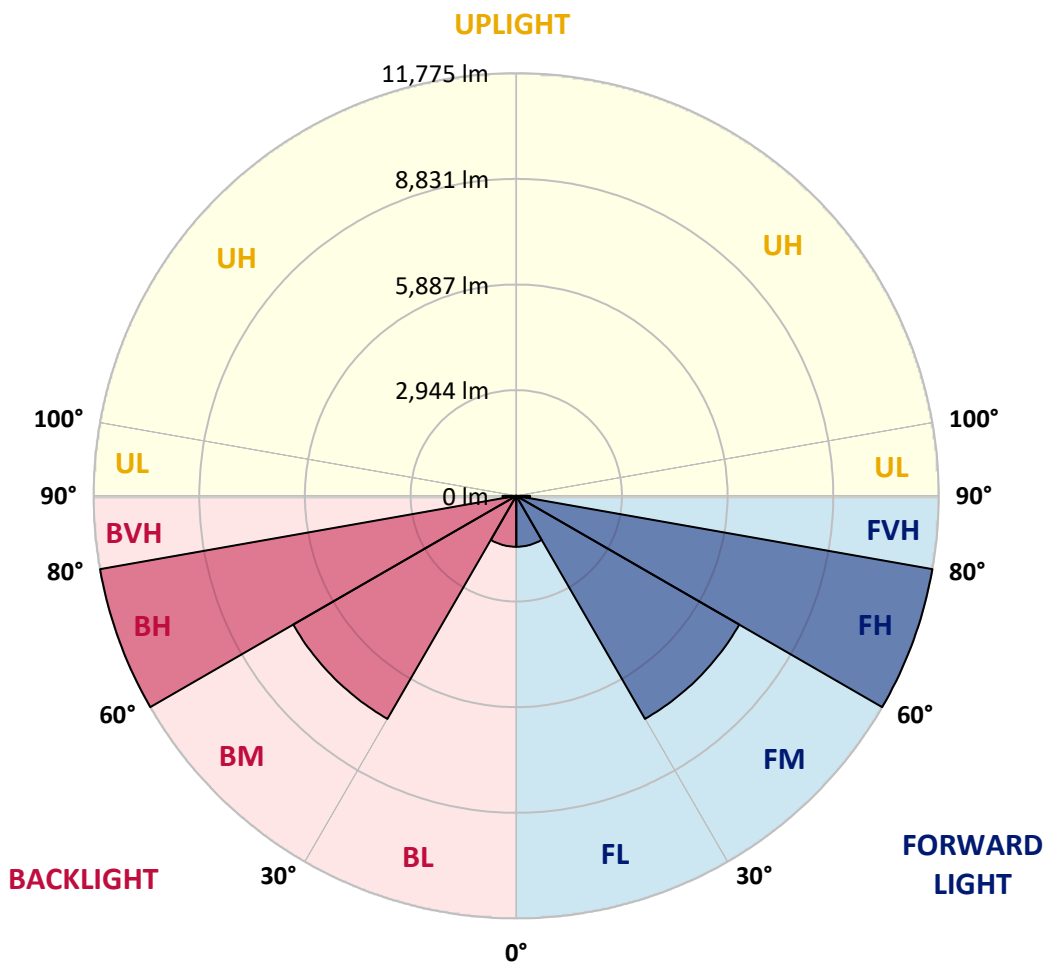


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1419.1	3.4			
FM (30°-60°)	7177.4	17.3			
FH (60°-80°)	11774.8	28.4			G4/12000
FVH (80°-90°)	383.6	0.9			G3/500
BL (0°-30°)	1419.1	3.4	B3/2500		
BM (30°-60°)	7177.4	17.3	B4/8500		
BH (60°-80°)	11774.8	28.4	B5		G4/12000
BVH (80°-90°)	383.6	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-G4**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3416.3	3416.3	3416.3	3416.3	3416.3	3416.3	3416.3	3416.3	3416.3	3416.3	3416.3
2.5°	3401.2	3405.3	3401.2	3403.9	3397.1	3399.8	3399.8	3399.8	3398.4	3399.8	3397.1
5°	3371.0	3373.7	3368.2	3371.0	3366.8	3371.0	3372.3	3371.0	3368.2	3369.6	3364.1
7.5°	3325.6	3328.4	3324.2	3328.4	3322.9	3329.7	3328.4	3324.2	3320.1	3320.1	3314.6
10°	3300.9	3302.3	3291.3	3287.2	3274.9	3277.6	3281.7	3285.8	3289.9	3298.1	3296.8
12.5°	3302.3	3302.3	3285.8	3268.0	3250.1	3254.3	3261.1	3276.2	3292.6	3307.7	3309.1
15°	3316.0	3314.6	3289.9	3261.1	3248.8	3261.1	3265.3	3274.9	3300.9	3327.0	3328.4
17.5°	3325.6	3325.6	3287.2	3254.3	3252.9	3272.1	3270.8	3274.9	3303.6	3342.1	3343.5
20°	3343.5	3343.5	3294.0	3258.4	3258.4	3279.0	3280.4	3287.2	3316.0	3358.6	3365.5
22.5°	3383.3	3384.7	3332.5	3303.6	3306.4	3318.7	3322.9	3333.9	3360.0	3406.7	3414.9
25°	3439.6	3442.3	3388.8	3372.3	3381.9	3405.3	3402.6	3410.8	3439.6	3484.9	3493.1
27.5°	3517.9	3511.0	3461.5	3454.7	3464.3	3480.8	3479.4	3480.8	3504.1	3545.3	3555.0
30°	3619.4	3616.7	3581.1	3585.2	3581.1	3575.6	3577.0	3587.9	3600.2	3633.2	3642.8
32.5°	3718.4	3721.1	3699.1	3719.7	3749.9	3770.5	3739.0	3708.8	3695.0	3712.9	3721.1
35°	3896.8	3903.7	3869.4	3855.7	3896.8	3957.2	3868.0	3818.6	3846.1	3869.4	3876.3
37.5°	4200.3	4204.4	4146.8	4091.8	4061.6	4119.3	4030.1	4034.2	4130.3	4174.2	4172.9
40°	4546.3	4547.7	4509.2	4461.2	4409.0	4422.7	4387.0	4398.0	4461.2	4501.0	4512.0
42.5°	4958.3	4954.2	4893.7	4825.0	4810.0	4823.6	4763.3	4755.0	4827.8	4899.2	4900.6
45°	5492.4	5482.8	5404.5	5329.0	5256.2	5226.0	5210.9	5250.7	5350.9	5416.9	5418.3
47.5°	6067.7	6041.6	6000.4	5940.0	5876.9	5846.7	5821.9	5841.2	5913.9	5940.0	5942.7
50°	6659.5	6665.0	6673.2	6649.9	6626.6	6617.0	6552.4	6515.3	6537.3	6489.3	6482.4
52.5°	7361.2	7372.2	7451.8	7519.1	7558.9	7579.4	7457.3	7329.6	7258.2	7164.8	7137.3
55°	8189.1	8207.0	8323.7	8510.4	8702.7	8804.2	8583.2	8344.3	8123.2	7948.8	7892.5
57.5°	9111.8	9143.4	9304.1	9662.5	10056.5	10296.9	9923.3	9489.5	9062.5	8811.1	8767.2
60°	10193.8	10224.1	10446.5	10960.0	11598.5	11959.7	11393.9	10684.0	10152.7	9912.4	9831.4
62.5°	11481.8	11484.6	11757.8	12357.8	13201.0	13703.4	12937.3	11988.5	11440.6	11150.9	11072.7
65°	12867.3	12874.2	13157.0	13805.1	14677.0	15223.5	14358.4	13369.9	12699.8	12272.7	12212.3
67.5°	13846.2	13875.1	14173.1	14953.0	15768.6	16261.6	15366.3	14248.6	13474.2	12964.7	12914.0
70°	13689.7	13802.4	14152.4	15062.8	16197.0	16900.0	15529.7	14144.2	13122.6	12521.2	12478.6
72.5°	11939.1	12154.6	12621.4	13816.1	15630.0	16597.9	14638.5	12668.2	11512.1	10999.9	10923.0
75°	8130.1	8480.3	9184.6	10907.9	13353.4	14370.8	12323.5	10100.5	9013.0	8304.5	8252.3
77.5°	3624.9	3704.6	4597.1	6581.2	9214.9	10320.2	8953.9	6607.4	4959.7	3955.9	3744.4
80°	1010.6	1022.9	1364.8	2451.0	4612.2	6063.6	4951.4	2574.5	1447.3	1020.2	961.2
82.5°	321.3	348.8	425.6	635.8	1550.2	2766.8	1591.5	686.6	488.8	389.9	351.5
85°	156.5	155.2	215.6	258.1	395.4	612.4	421.5	318.6	278.7	185.4	167.5
87.5°	66.0	67.3	100.2	90.6	115.3	98.8	135.9	142.8	149.7	82.3	71.4
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)