

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: P383271

Luminaire Tested: **GLEON-SA6A-735-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383271  
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-SA6A-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26783 lumens  
Efficiency: N/A  
Efficacy: 138.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

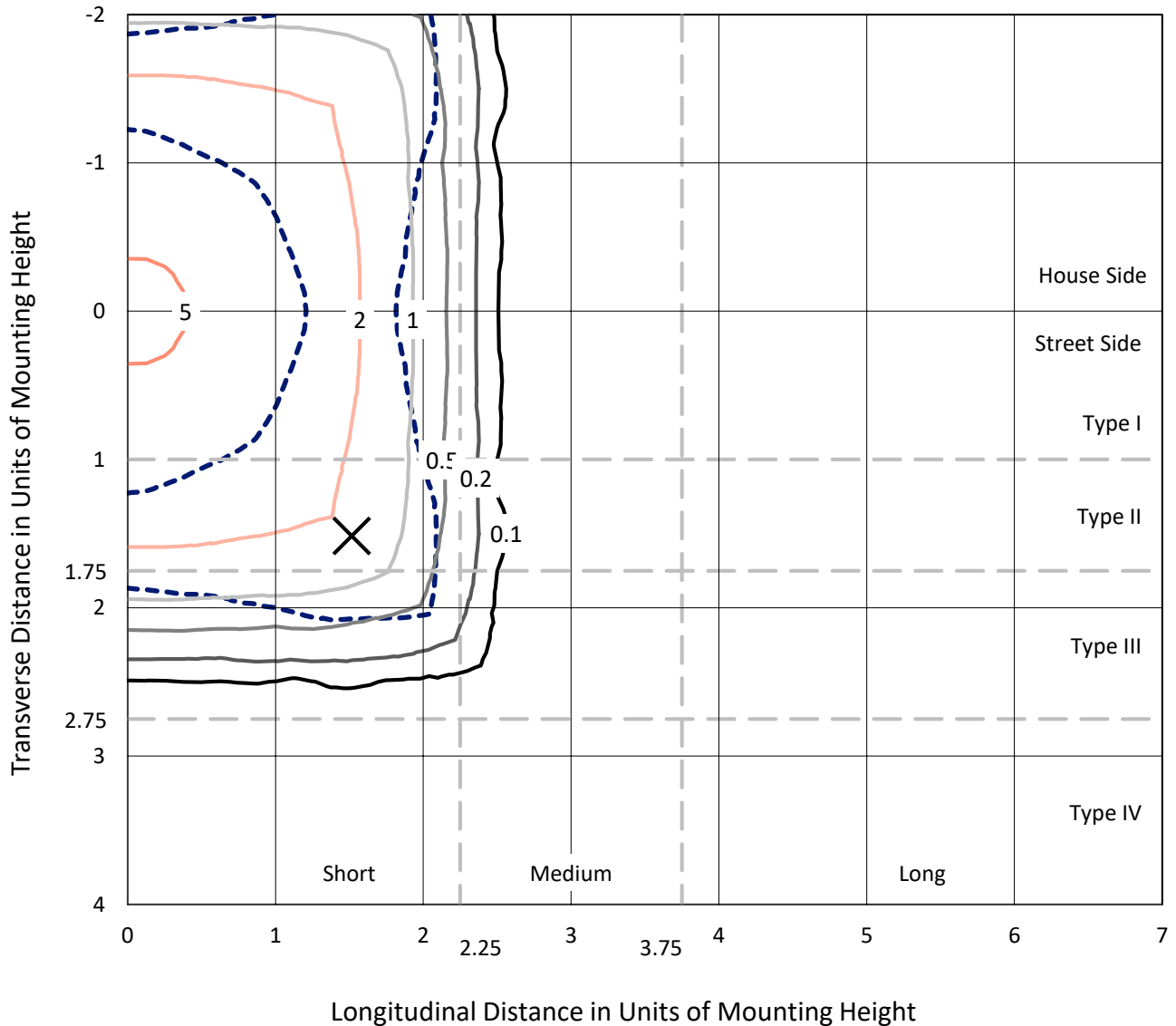
Input Watts (W): 193  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

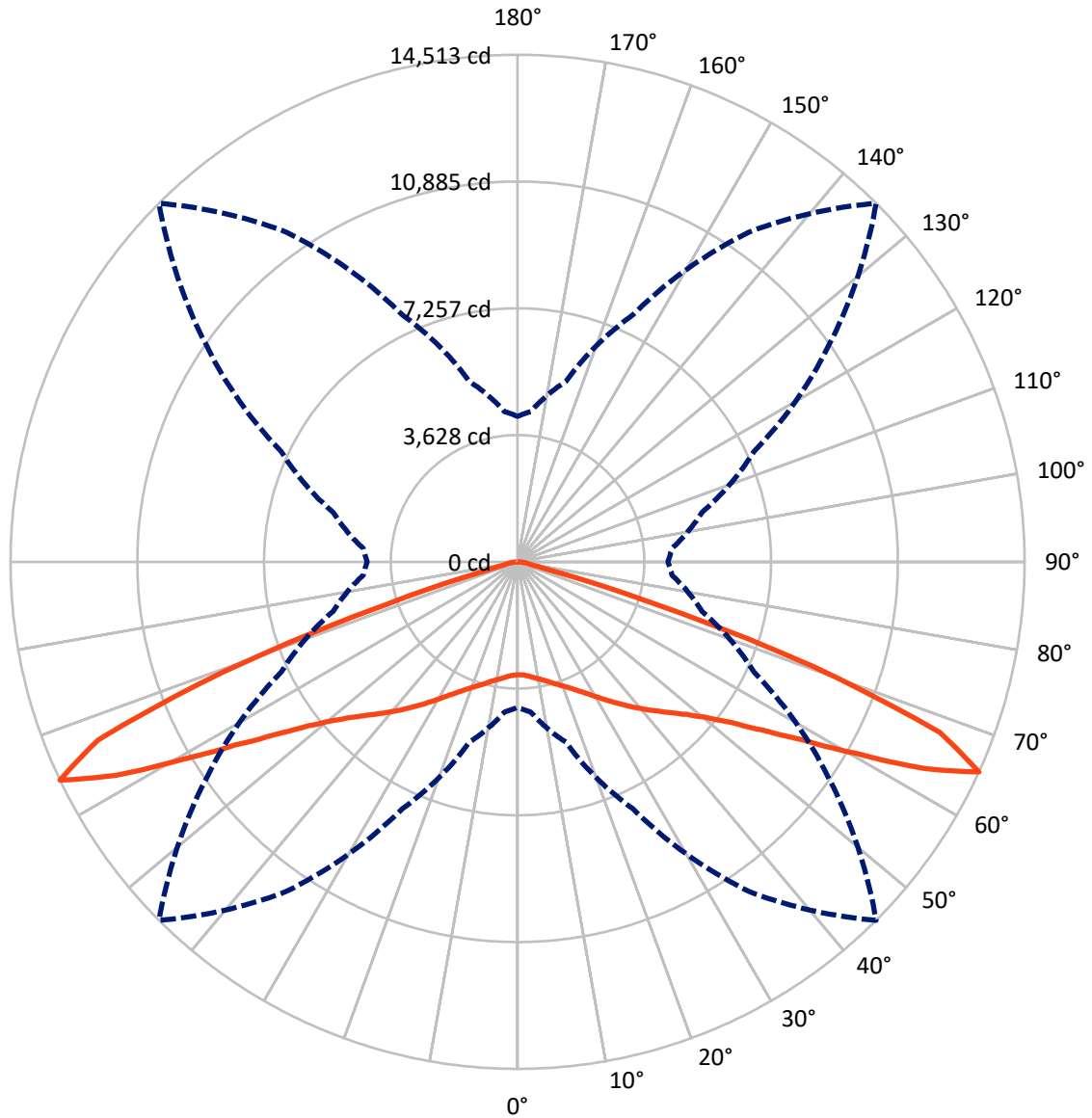
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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
<b>House Side</b>	Lumens	13391.5	0.0	13391.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13391.5	0.0	13391.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26783.0	0.0	26783.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	317.3	1.2
10°-20°	1020.0	3.8
20°-30°	1913.7	7.1
30°-40°	3164.9	11.8
40°-50°	4902.0	18.3
50°-60°	7518.3	28.1
60°-70°	7015.4	26.2
70°-80°	816.5	3.0
80°-90°	114.7	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°	26783.0	100.0
0°-180°	26783.0	100.0



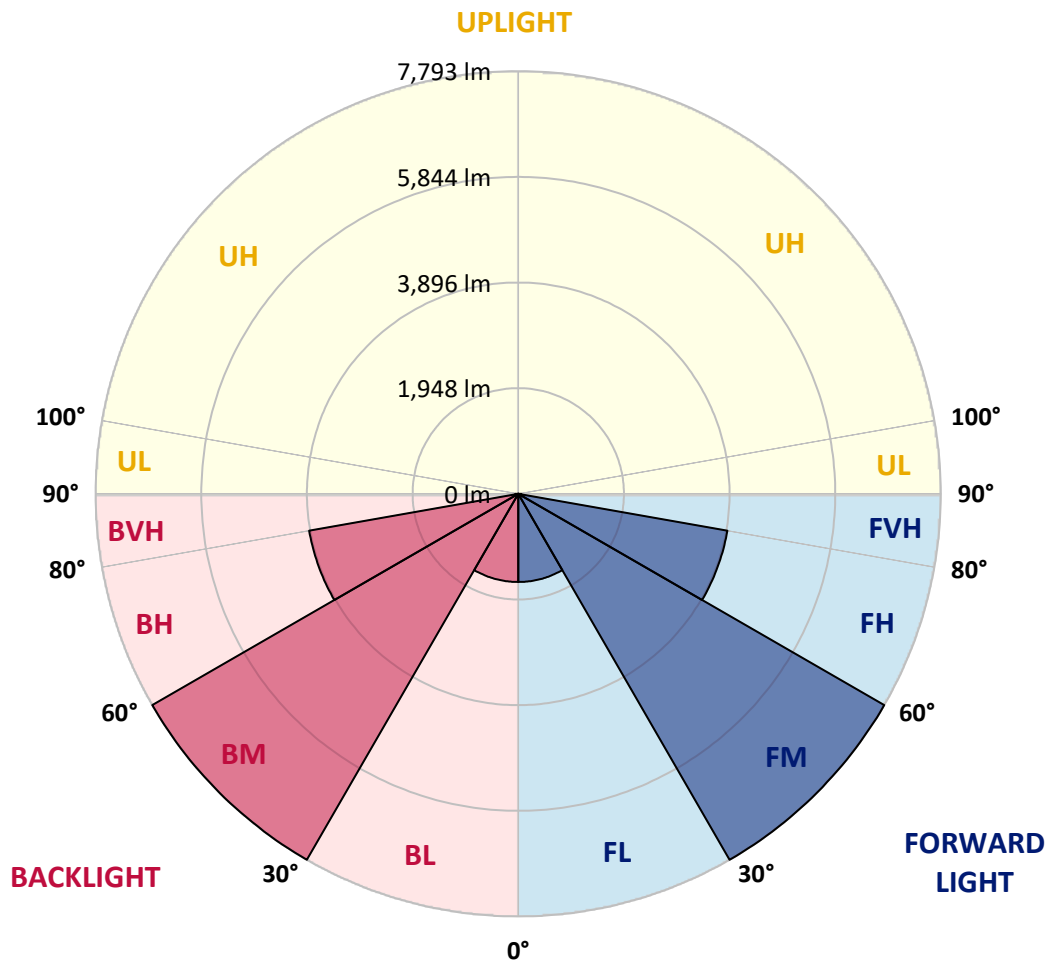
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1625.5	6.1			
FM (30°-60°)	7792.6	29.1			
FH (60°-80°)	3916.0	14.6			G2/5000
FVH (80°-90°)	57.4	0.2			G1/100
BL (0°-30°)	1625.5	6.1	B3/2500		
BM (30°-60°)	7792.6	29.1	B4/8500		
BH (60°-80°)	3916.0	14.6	B4/5000		G2/5000
BVH (80°-90°)	57.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3	3234.3
2.5°	3245.0	3243.3	3245.0	3246.0	3240.6	3243.3	3242.3	3246.8	3248.6	3246.8	3246.8
5°	3282.4	3279.7	3283.2	3287.7	3280.6	3282.4	3279.7	3285.0	3286.9	3283.2	3285.9
7.5°	3333.9	3334.8	3338.4	3346.4	3341.9	3345.5	3340.2	3341.1	3340.2	3334.8	3335.7
10°	3390.0	3390.8	3397.1	3407.8	3409.6	3409.6	3405.9	3403.3	3399.8	3396.1	3397.1
12.5°	3457.5	3462.0	3466.4	3479.8	3479.8	3486.9	3485.1	3477.9	3471.8	3466.4	3466.4
15°	3549.1	3548.2	3553.6	3566.9	3573.1	3584.7	3584.7	3574.9	3566.9	3561.6	3559.8
17.5°	3645.1	3647.8	3651.4	3667.3	3677.1	3690.4	3692.3	3684.3	3678.9	3671.8	3667.3
20°	3757.1	3761.6	3775.8	3782.0	3790.9	3803.4	3807.8	3806.0	3800.7	3797.2	3798.0
22.5°	3887.8	3899.4	3908.3	3917.2	3927.9	3936.7	3941.2	3947.4	3942.0	3939.4	3937.7
25°	4046.1	4054.1	4071.9	4087.9	4095.0	4097.7	4103.0	4111.9	4111.0	4104.8	4104.8
27.5°	4225.7	4240.8	4263.0	4286.1	4286.1	4277.2	4295.0	4310.2	4304.8	4296.8	4286.1
30°	4443.5	4457.7	4483.5	4515.5	4499.5	4493.3	4517.3	4544.8	4536.8	4523.5	4521.7
32.5°	4678.2	4691.6	4725.3	4760.0	4739.5	4730.7	4756.5	4796.4	4782.2	4755.6	4739.5
35°	4932.5	4945.8	4993.8	5035.6	5000.9	4985.8	5007.2	5050.8	5025.8	4976.0	4963.6
37.5°	5208.9	5216.1	5278.3	5321.0	5297.0	5257.0	5283.6	5315.7	5294.4	5233.9	5209.9
40°	5496.1	5521.9	5593.9	5643.7	5602.0	5538.8	5583.2	5627.7	5595.7	5518.4	5477.5
42.5°	5831.3	5850.9	5946.9	5991.3	5923.8	5834.8	5895.3	5955.8	5923.8	5849.1	5813.5
45°	6179.8	6210.1	6324.7	6369.2	6271.4	6158.5	6232.2	6338.1	6335.4	6227.9	6190.5
47.5°	6559.4	6589.7	6726.6	6785.3	6679.5	6528.3	6632.3	6781.7	6771.0	6652.8	6622.6
50°	6997.8	7029.7	7200.5	7274.3	7175.5	6999.6	7156.0	7287.6	7268.0	7122.2	7124.8
52.5°	7548.1	7546.3	7758.8	7886.8	7785.4	7629.8	7773.9	7901.9	7821.0	7619.2	7613.0
55°	8029.9	8059.3	8322.4	8565.1	8559.0	8499.3	8557.1	8562.5	8331.3	8062.8	8029.9
57.5°	8346.5	8402.5	8773.2	9212.4	9541.3	9620.5	9508.4	9168.9	8627.3	8198.0	8145.5
60°	8151.7	8237.1	8819.4	9714.6	10683.7	11148.8	10516.6	9463.1	8397.2	7798.8	7727.7
62.5°	6837.7	6981.8	7834.3	9472.0	11667.1	13026.4	11247.4	8991.0	7481.4	6657.2	6535.5
65°	4164.3	4316.3	5344.1	7796.1	11507.9	14513.0	10914.0	7462.7	5460.5	4435.5	4303.9
67.5°	1387.8	1432.3	2037.7	4309.2	9044.3	13039.7	9059.5	4467.5	2376.5	1575.4	1529.1
70°	543.2	547.7	646.3	1249.1	4271.1	8956.4	4712.9	1271.4	675.7	534.3	545.9
72.5°	399.2	400.9	428.5	521.9	1113.1	3945.7	1153.1	524.6	417.0	374.3	374.3
75°	320.9	320.9	340.5	380.5	498.8	905.1	505.8	376.1	326.3	298.7	295.2
77.5°	253.4	258.7	273.9	299.6	337.9	435.6	350.3	297.8	263.2	237.4	232.0
80°	188.5	193.9	218.7	231.1	242.7	302.3	258.7	232.9	208.0	177.8	172.5
82.5°	123.6	128.9	160.0	167.1	164.5	197.4	174.3	171.6	153.0	114.7	109.4
85°	80.9	82.7	106.7	111.1	102.3	89.8	111.1	117.4	106.7	74.7	72.0
87.5°	38.2	38.2	54.2	50.7	46.2	37.4	50.7	59.5	60.5	36.4	35.6
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)