

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: P383270

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383270
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-SA6A-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27276.6 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

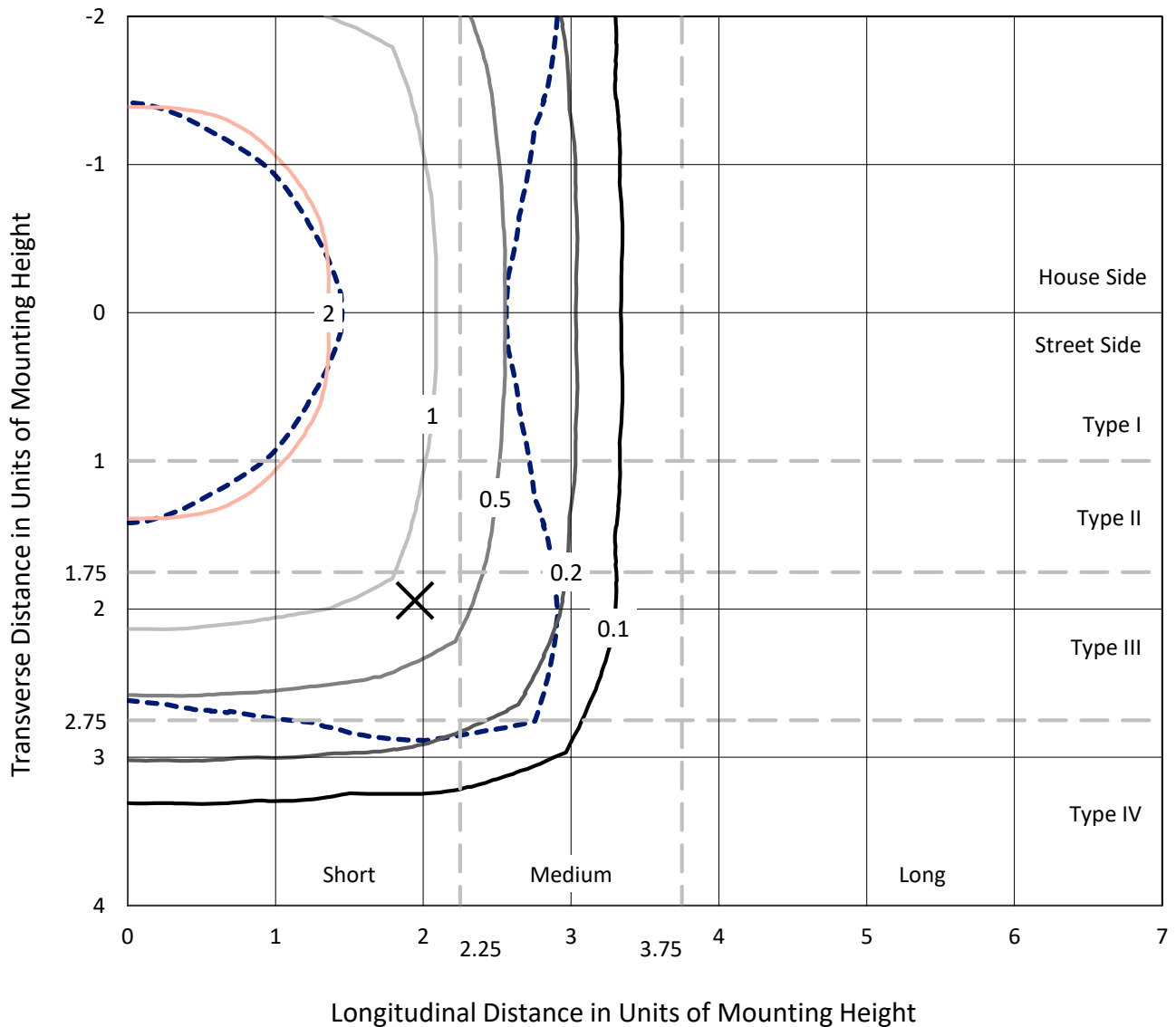
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P383270
 CATALOG NUMBER: GLEON-SA6A-735-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

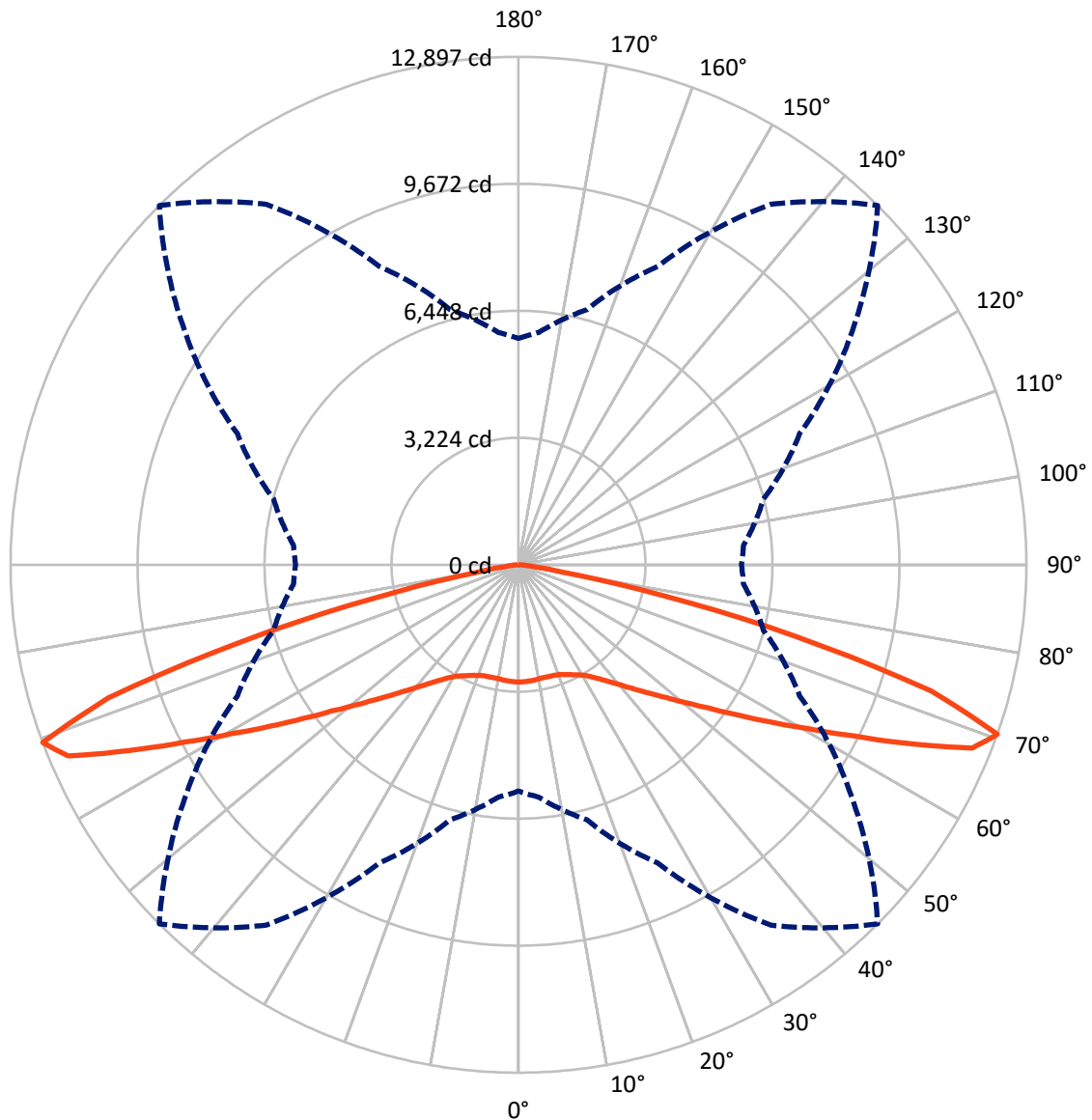
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

REPORT NUMBER: P383270
CATALOG NUMBER: GLEON-SA6A-735-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P383270
 CATALOG NUMBER: GLEON-SA6A-735-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13638.3	0.0	13638.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13638.3	0.0	13638.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	27276.6	0.0	27276.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.1	1.0
10°-20°	828.3	3.0
20°-30°	1410.0	5.2
30°-40°	2236.3	8.2
40°-50°	3639.2	13.3
50°-60°	6000.4	22.0
60°-70°	8808.7	32.3
70°-80°	3895.2	14.3
80°-90°	176.4	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°	27276.6	100.0
0°-180°	27276.6	100.0



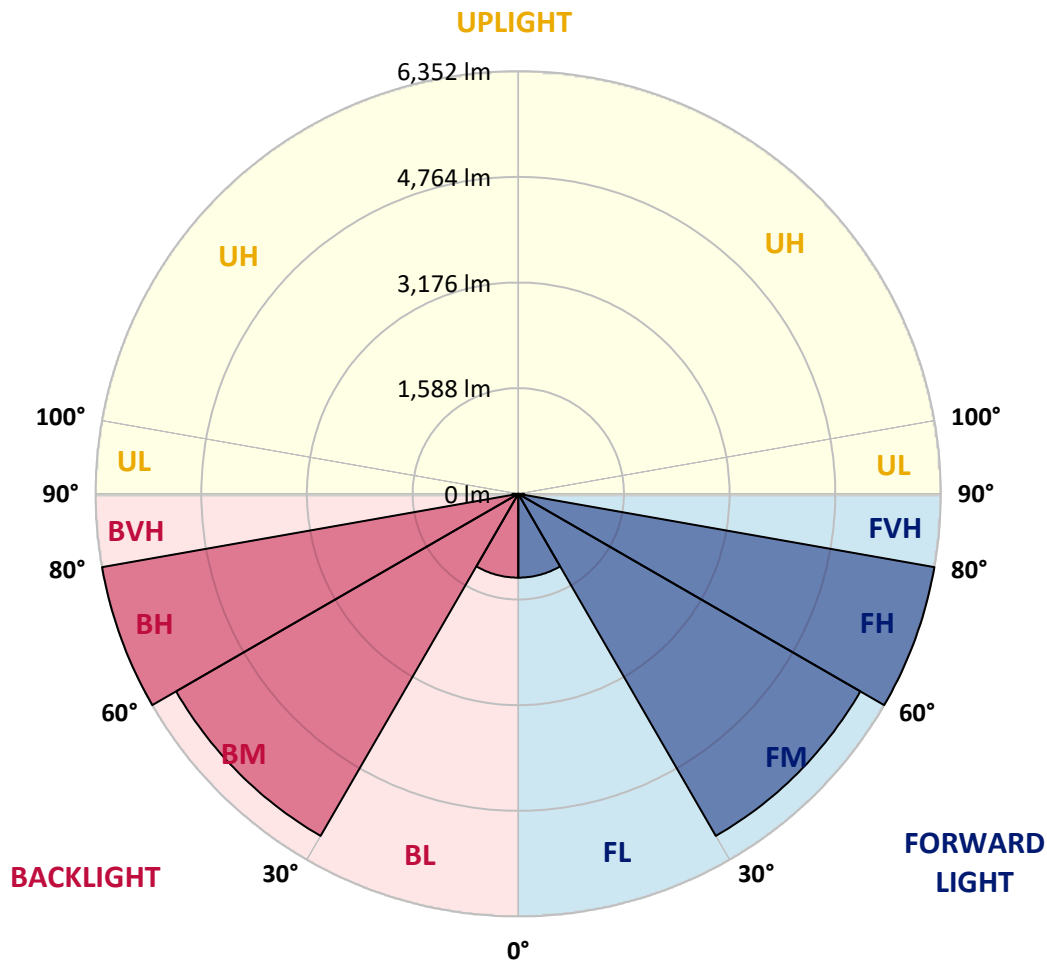
REPORT NUMBER: P383270
 CATALOG NUMBER: GLEON-SA6A-735-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1260.2	4.6			
FM (30°-60°)	5937.9	21.8			
FH (60°-80°)	6351.9	23.3			G3/7500
FVH (80°-90°)	88.2	0.3			G1/100
BL (0°-30°)	1260.2	4.6	B3/2500		
BM (30°-60°)	5937.9	21.8	B4/8500		
BH (60°-80°)	6351.9	23.3	B5		G3/7500
BVH (80°-90°)	88.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: P383270

CATALOG NUMBER: GLEON-SA6A-735-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0
2.5°	2974.5	2971.8	2978.2	2977.2	2971.8	2972.8	2972.8	2975.5	2975.5	2973.6	2973.6
5°	2963.7	2961.9	2969.1	2969.1	2963.7	2965.5	2967.3	2970.1	2969.1	2967.3	2966.4
7.5°	2950.1	2949.3	2956.5	2956.5	2952.8	2954.7	2952.8	2953.8	2952.0	2950.1	2947.4
10°	2927.6	2929.3	2935.7	2937.5	2937.5	2938.4	2936.6	2932.0	2929.3	2926.6	2923.9
12.5°	2906.8	2905.9	2914.9	2919.5	2926.6	2934.8	2929.3	2916.8	2911.4	2905.9	2904.1
15°	2893.3	2894.1	2903.2	2911.4	2923.9	2941.1	2934.8	2914.9	2904.1	2897.8	2896.0
17.5°	2890.6	2892.4	2904.1	2918.5	2932.0	2951.0	2947.4	2927.6	2909.5	2897.8	2895.1
20°	2896.9	2897.8	2915.8	2936.6	2960.1	2978.2	2970.1	2948.3	2923.9	2905.9	2901.4
22.5°	2908.7	2912.2	2934.8	2967.3	3003.4	3027.8	3017.8	2980.9	2942.9	2920.4	2914.1
25°	2945.6	2946.6	2977.2	3021.5	3064.8	3092.7	3081.0	3028.6	2979.9	2954.7	2946.6
27.5°	3022.4	3025.1	3055.8	3107.2	3144.3	3162.3	3155.1	3112.7	3071.1	3044.0	3046.7
30°	3133.4	3137.0	3171.4	3228.2	3250.7	3255.3	3253.4	3233.6	3195.7	3159.6	3162.3
32.5°	3268.8	3270.7	3316.7	3368.1	3386.2	3389.8	3386.2	3368.1	3323.0	3274.2	3276.9
35°	3443.0	3448.5	3492.7	3542.3	3556.7	3564.0	3557.7	3534.2	3487.2	3439.5	3437.6
37.5°	3657.9	3658.8	3704.9	3756.3	3774.4	3776.1	3768.9	3753.6	3694.9	3651.6	3648.9
40°	3907.0	3910.6	3964.9	4019.9	4027.1	4019.0	4028.9	4019.9	3959.4	3909.8	3917.9
42.5°	4210.4	4218.5	4283.5	4337.7	4316.9	4312.4	4318.7	4321.4	4272.6	4212.2	4206.8
45°	4563.4	4570.5	4651.8	4695.1	4681.6	4651.8	4664.4	4686.2	4618.4	4543.4	4550.7
47.5°	4966.0	4984.1	5070.7	5111.3	5077.9	5037.3	5061.7	5094.2	5014.7	4921.7	4917.2
50°	5413.7	5436.3	5551.8	5608.8	5575.3	5500.4	5541.0	5562.6	5448.1	5328.0	5318.0
52.5°	5891.3	5913.8	6059.2	6176.5	6154.8	6038.4	6095.3	6072.8	5940.9	5779.3	5766.7
55°	6432.0	6441.0	6598.2	6787.7	6809.3	6723.6	6720.0	6682.9	6487.9	6301.1	6292.0
57.5°	6988.1	6994.4	7197.5	7421.4	7523.5	7523.5	7422.3	7343.8	7084.7	6868.0	6845.5
60°	7588.4	7611.0	7835.8	8140.0	8378.3	8448.8	8270.0	8056.0	7774.4	7509.9	7483.7
62.5°	8122.8	8149.0	8492.9	8946.1	9328.9	9585.3	9148.4	8799.9	8287.1	7862.8	7813.2
65°	8190.5	8261.0	8762.0	9582.6	10439.3	10951.1	10113.3	9254.8	8320.5	7731.0	7680.5
67.5°	7480.0	7599.3	8276.3	9553.7	11324.0	12422.6	10729.9	8994.8	7721.1	7069.3	7013.3
70°	5747.7	5921.0	6701.9	8356.6	11171.4	12896.5	10343.5	7874.6	6437.5	5736.0	5657.5
72.5°	3153.3	3224.6	3926.9	5722.5	8956.1	10959.2	8627.4	5822.6	4269.0	3473.7	3341.9
75°	1000.2	1025.5	1383.0	2341.7	5066.1	7258.9	5480.5	2858.1	1573.5	1160.1	1146.5
77.5°	444.2	446.9	500.1	683.4	1745.0	3677.7	2096.2	778.1	536.2	468.5	483.8
80°	280.8	280.8	309.6	338.5	474.8	1067.9	566.9	370.1	316.0	293.3	299.7
82.5°	134.5	149.0	201.3	216.7	260.9	359.3	290.6	241.9	211.3	157.1	146.3
85°	88.5	74.1	127.2	143.6	151.7	172.4	168.8	159.8	138.1	78.5	87.6
87.5°	39.7	37.9	65.9	60.5	56.9	43.3	65.0	80.3	77.6	38.8	38.8
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)