

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: P383300

Luminaire Tested: **GLEON-SA6B-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383300
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-SA6B-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33536.6 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

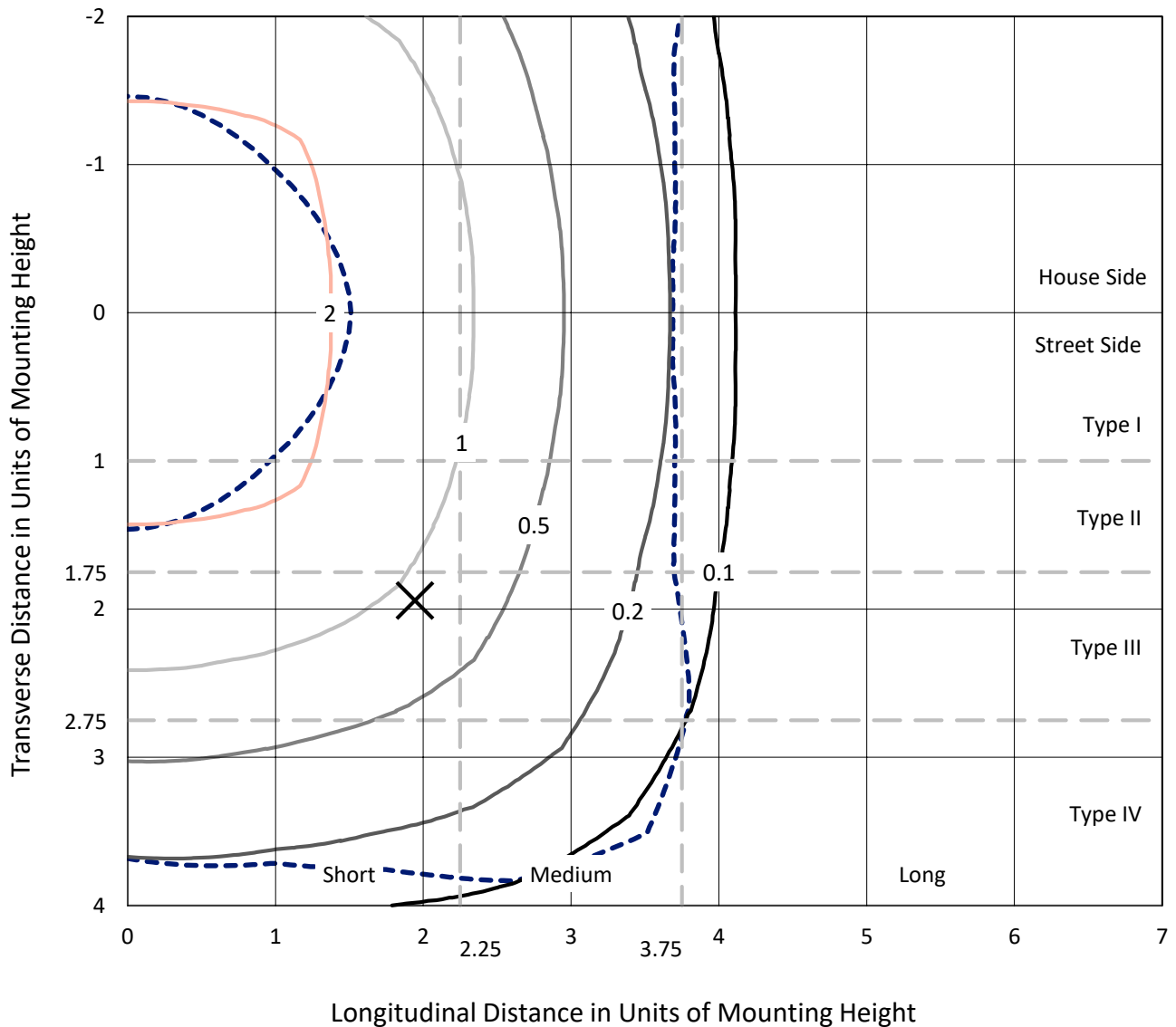
Input Watts (W): 249
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P383300
 CATALOG NUMBER: GLEON-SA6B-735-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

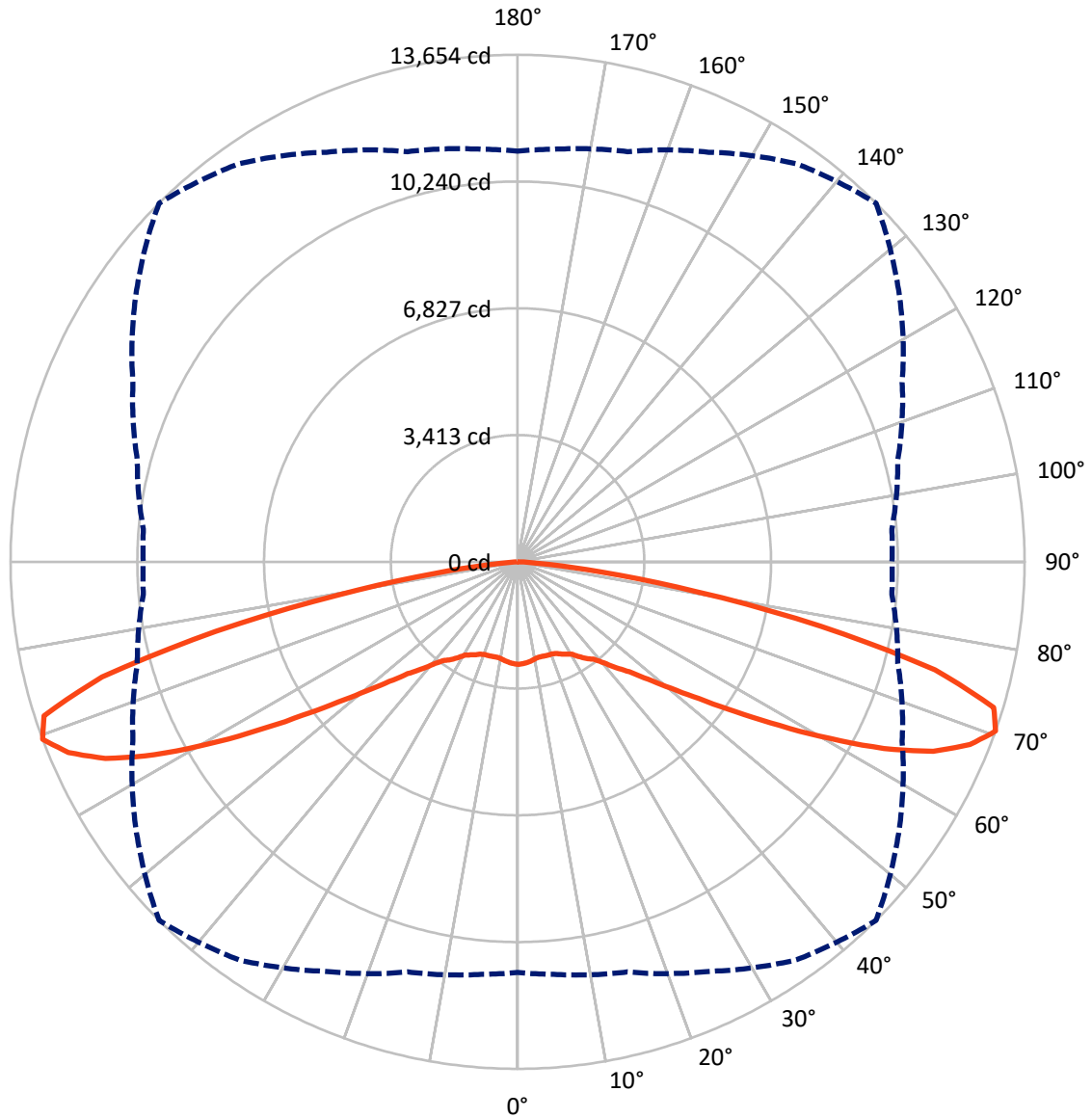
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

REPORT NUMBER: P383300
CATALOG NUMBER: GLEON-SA6B-735-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P383300
 CATALOG NUMBER: GLEON-SA6B-735-U-5WQ

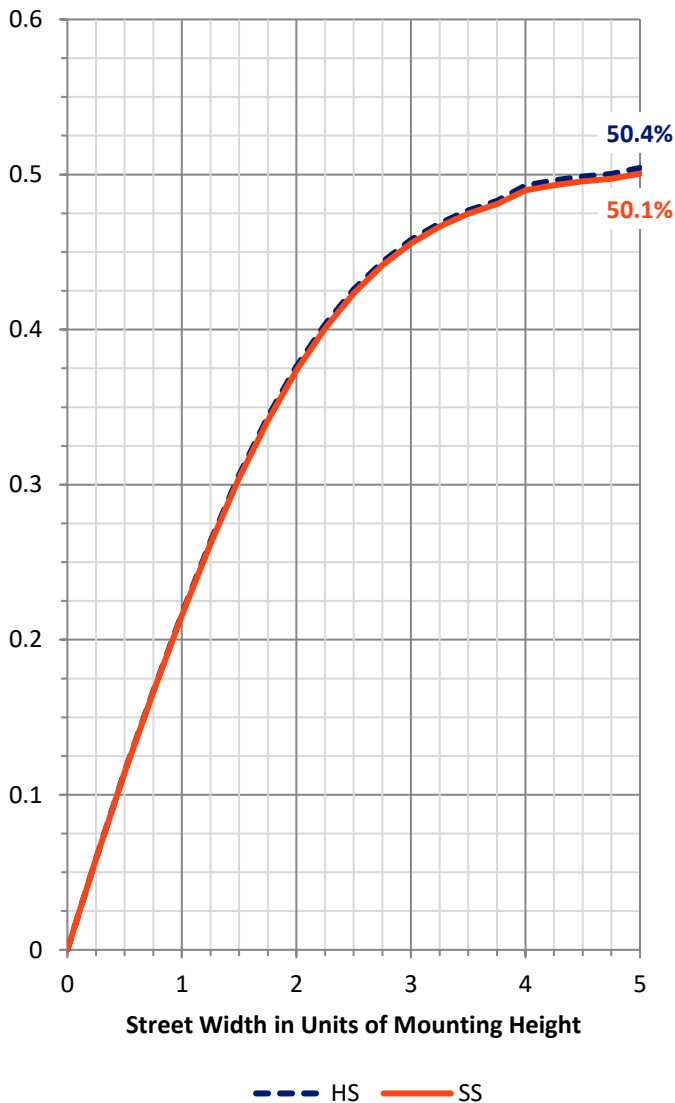
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16768.3	0.0	16768.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16768.3	0.0	16768.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	33536.6	0.0	33536.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.6	0.8
10°-20°	752.5	2.2
20°-30°	1282.9	3.8
30°-40°	2004.6	6.0
40°-50°	3397.4	10.1
50°-60°	6195.4	18.5
60°-70°	10665.9	31.8
70°-80°	8360.3	24.9
80°-90°	619.9	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°	33536.6	100.0
0°-180°	33536.6	100.0

Coefficient of Utilization



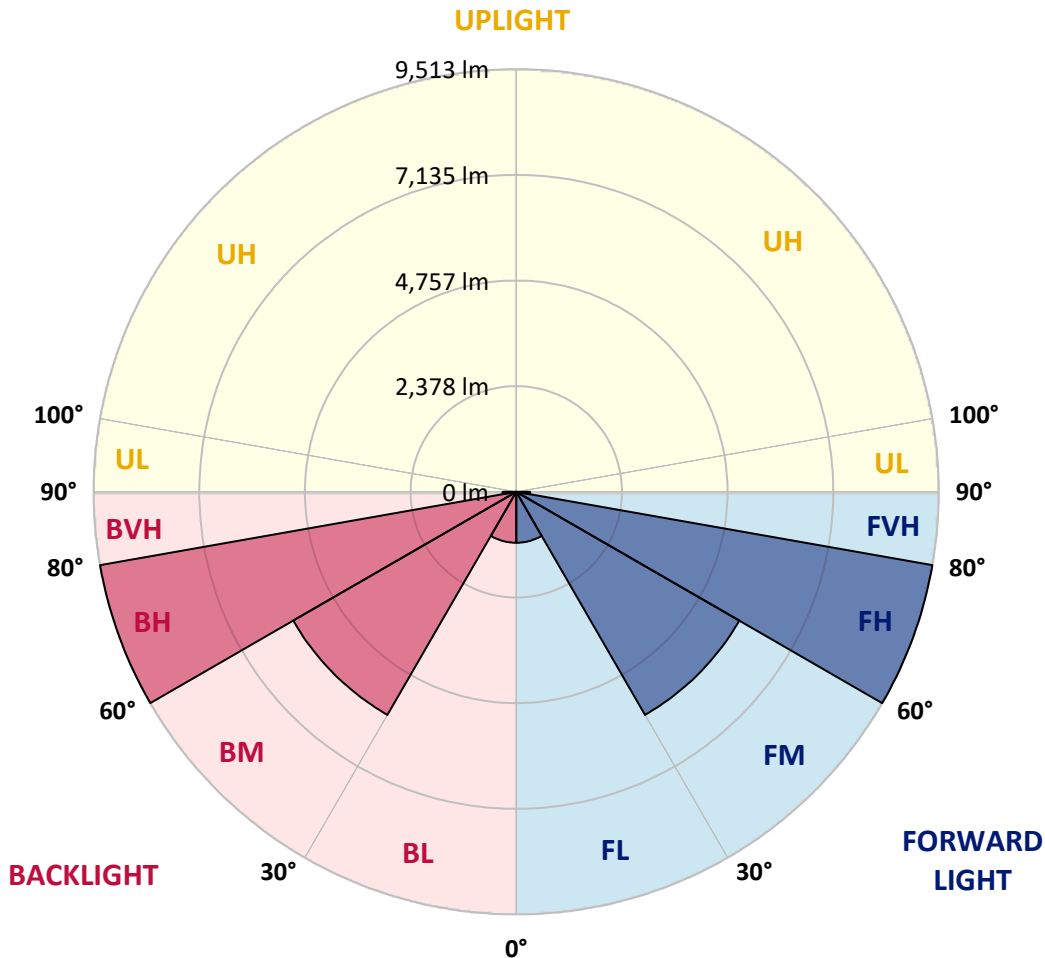
REPORT NUMBER: P383300
 CATALOG NUMBER: GLEON-SA6B-735-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1146.5	3.4			
FM (30°-60°)	5798.7	17.3			
FH (60°-80°)	9513.1	28.4			G4/12000
FVH (80°-90°)	310.0	0.9			G3/500
BL (0°-30°)	1146.5	3.4	B3/2500		
BM (30°-60°)	5798.7	17.3	B4/8500		
BH (60°-80°)	9513.1	28.4	B5		G4/12000
BVH (80°-90°)	310.0	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





REPORT NUMBER: P383300
 CATALOG NUMBER: GLEON-SA6B-735-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2760.1	2760.1	2760.1	2760.1	2760.1	2760.1	2760.1	2760.1	2760.1	2760.1	2760.1
2.5°	2747.9	2751.2	2747.9	2750.1	2744.5	2746.8	2746.8	2746.8	2745.6	2746.8	2744.5
5°	2723.5	2725.7	2721.2	2723.5	2720.1	2723.5	2724.6	2723.5	2721.2	2722.4	2717.9
7.5°	2686.9	2689.1	2685.7	2689.1	2684.6	2690.2	2689.1	2685.7	2682.4	2682.4	2678.0
10°	2666.9	2668.0	2659.1	2655.7	2645.8	2648.0	2651.4	2654.7	2658.0	2664.7	2663.6
12.5°	2668.0	2668.0	2654.7	2640.3	2625.8	2629.2	2634.7	2646.9	2660.2	2672.4	2673.5
15°	2679.1	2678.0	2658.0	2634.7	2624.7	2634.7	2638.0	2645.8	2666.9	2688.0	2689.1
17.5°	2686.9	2686.9	2655.7	2629.2	2628.1	2643.5	2642.5	2645.8	2669.1	2700.2	2701.3
20°	2701.3	2701.3	2661.3	2632.5	2632.5	2649.1	2650.3	2655.7	2679.1	2713.5	2719.0
22.5°	2733.4	2734.6	2692.4	2669.1	2671.3	2681.3	2684.6	2693.5	2714.6	2752.4	2759.0
25°	2778.9	2781.1	2737.9	2724.6	2732.3	2751.2	2749.0	2755.6	2778.9	2815.5	2822.2
27.5°	2842.2	2836.7	2796.7	2791.1	2798.9	2812.2	2811.1	2812.2	2831.1	2864.3	2872.1
30°	2924.2	2922.1	2893.2	2896.6	2893.2	2888.7	2889.8	2898.7	2908.8	2935.3	2943.1
32.5°	3004.1	3006.4	2988.6	3005.3	3029.7	3046.3	3020.7	2996.3	2985.2	2999.7	3006.4
35°	3148.4	3153.8	3126.2	3115.1	3148.4	3197.2	3125.1	3085.1	3107.3	3126.2	3131.7
37.5°	3393.5	3396.8	3350.2	3305.9	3281.5	3328.0	3255.9	3259.3	3336.9	3372.4	3371.4
40°	3673.1	3674.2	3643.1	3604.3	3562.1	3573.2	3544.4	3553.3	3604.3	3636.5	3645.3
42.5°	4005.8	4002.6	3953.8	3898.2	3886.0	3897.1	3848.3	3841.7	3900.5	3958.1	3959.3
45°	4437.4	4429.6	4366.4	4305.4	4246.6	4222.2	4210.0	4242.2	4323.1	4376.4	4377.5
47.5°	4902.3	4881.1	4847.9	4799.1	4748.0	4723.6	4703.7	4719.2	4778.0	4799.1	4801.3
50°	5380.3	5384.8	5391.4	5372.6	5353.7	5346.0	5293.8	5263.9	5281.6	5242.8	5237.3
52.5°	5947.3	5956.1	6020.5	6074.8	6106.9	6123.6	6024.9	5921.8	5864.0	5788.6	5766.4
55°	6616.2	6630.6	6724.9	6875.8	7031.0	7113.2	6934.5	6741.5	6562.9	6422.1	6376.5
57.5°	7361.6	7387.2	7516.9	7806.6	8124.9	8319.0	8017.3	7666.7	7321.7	7118.7	7083.2
60°	8235.8	8260.2	8439.9	8854.8	9370.7	9662.5	9205.4	8631.9	8202.6	8008.4	7942.9
62.5°	9276.4	9278.6	9499.4	9984.1	10665.3	11071.4	10452.3	9685.8	9243.1	9009.1	8945.8
65°	10395.8	10401.3	10629.8	11153.4	11857.9	12299.4	11600.5	10801.8	10260.4	9915.4	9866.6
67.5°	11186.7	11210.1	11450.8	12080.9	12739.8	13138.1	12414.7	11511.8	10886.1	10474.5	10433.4
70°	11060.3	11151.2	11434.1	12169.6	13085.9	13653.9	12546.8	11427.5	10602.1	10116.2	10081.8
72.5°	9645.8	9820.0	10197.2	11162.3	12627.8	13409.8	11826.8	10234.9	9300.9	8887.1	8824.9
75°	6568.4	6851.3	7420.4	8812.7	10788.4	11610.5	9956.5	8160.4	7281.8	6709.4	6667.2
77.5°	2928.7	2993.1	3714.1	5317.1	7444.8	8337.9	7234.1	5338.2	4007.0	3196.0	3025.2
80°	816.5	826.5	1102.7	1980.2	3726.3	4898.9	4000.3	2080.1	1169.3	824.2	776.5
82.5°	259.6	281.8	343.9	513.7	1252.5	2235.3	1285.7	554.6	395.0	315.0	284.0
85°	126.5	125.4	174.2	208.6	319.5	494.7	340.6	257.4	225.2	149.8	135.4
87.5°	53.3	54.4	81.0	73.2	93.2	79.8	109.8	115.4	120.9	66.6	57.7
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)