

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: P316273

Luminaire Tested: **GLEON-SA9A-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316273
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-SA9A-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32259 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

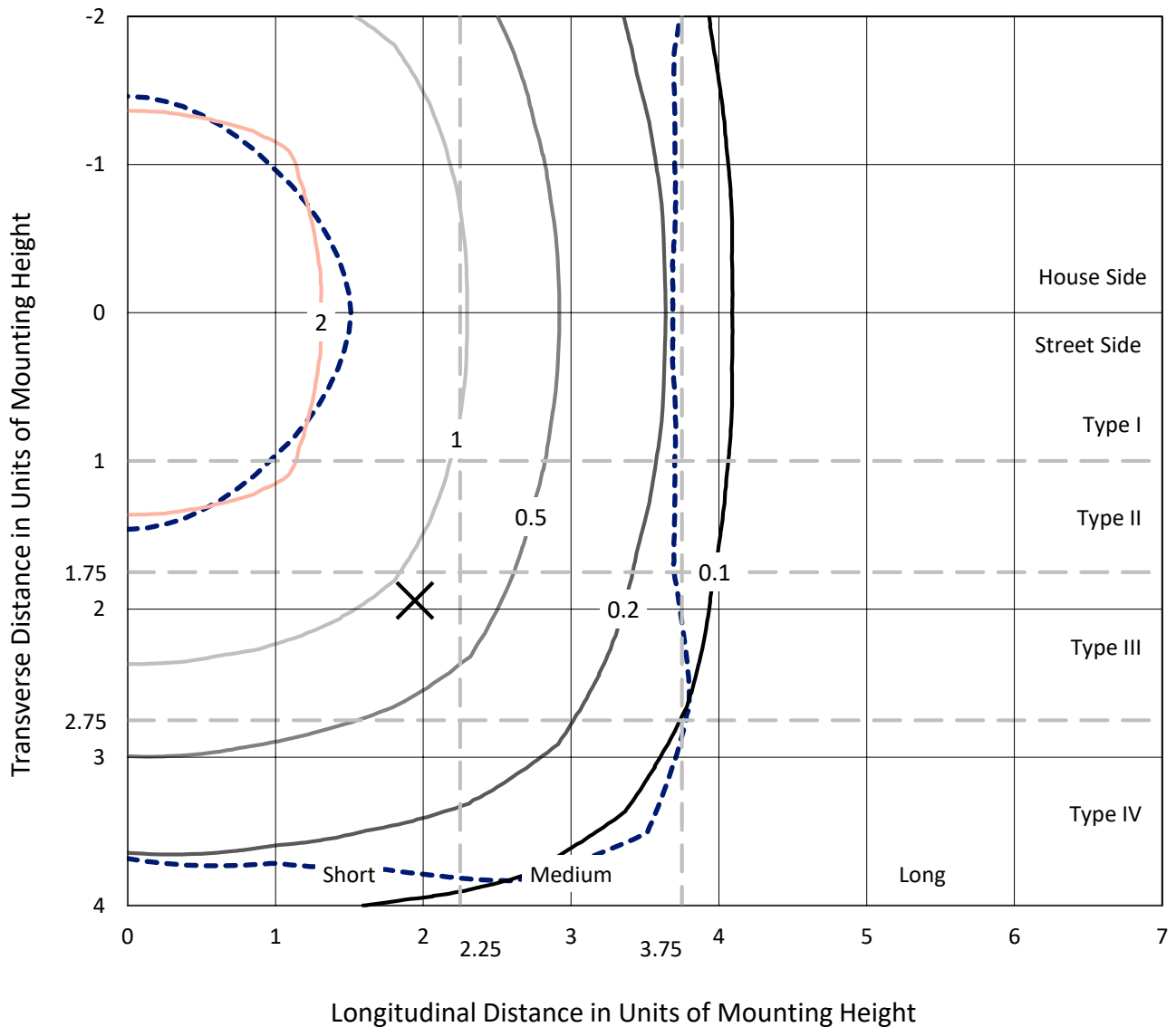
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

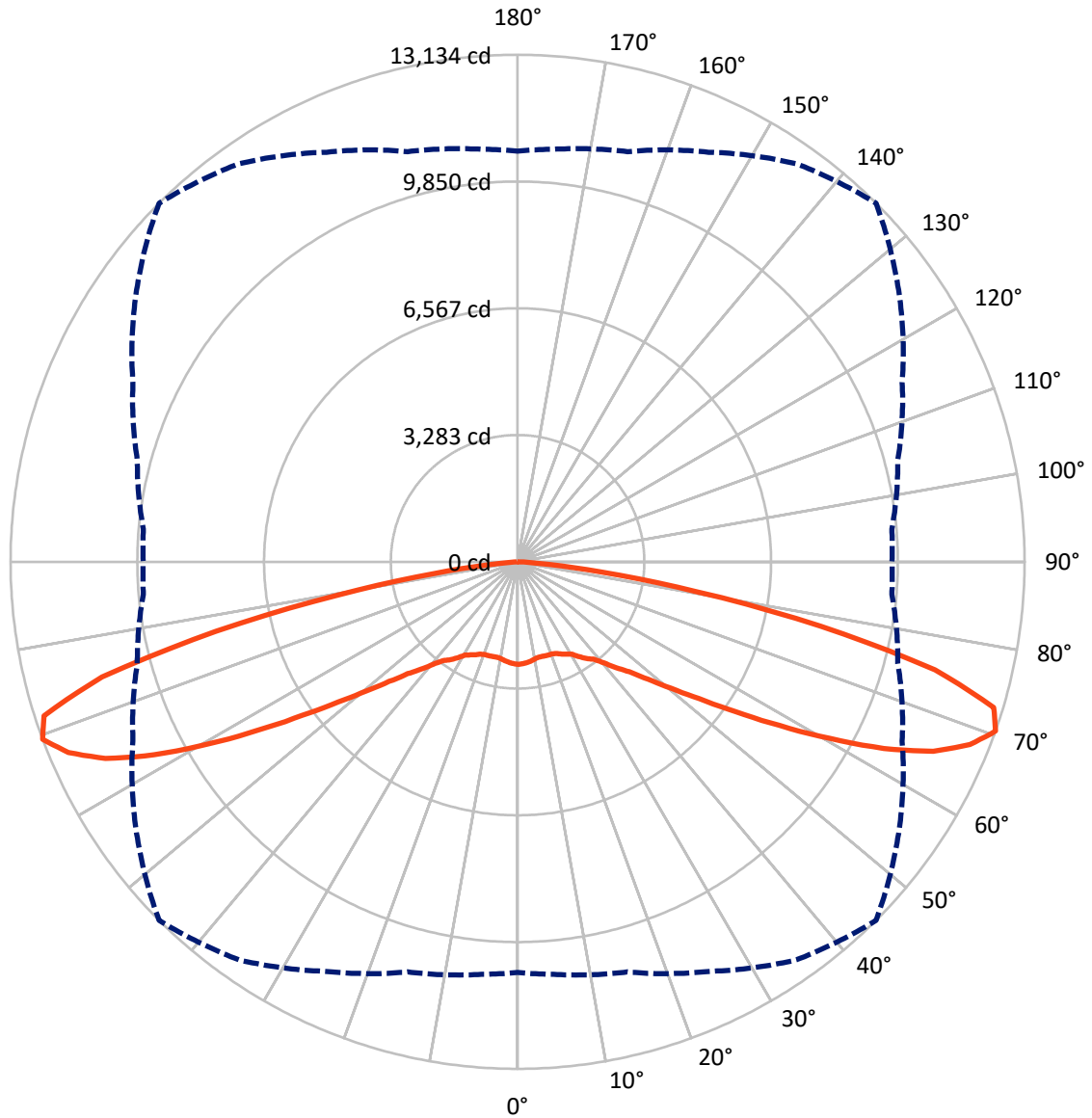
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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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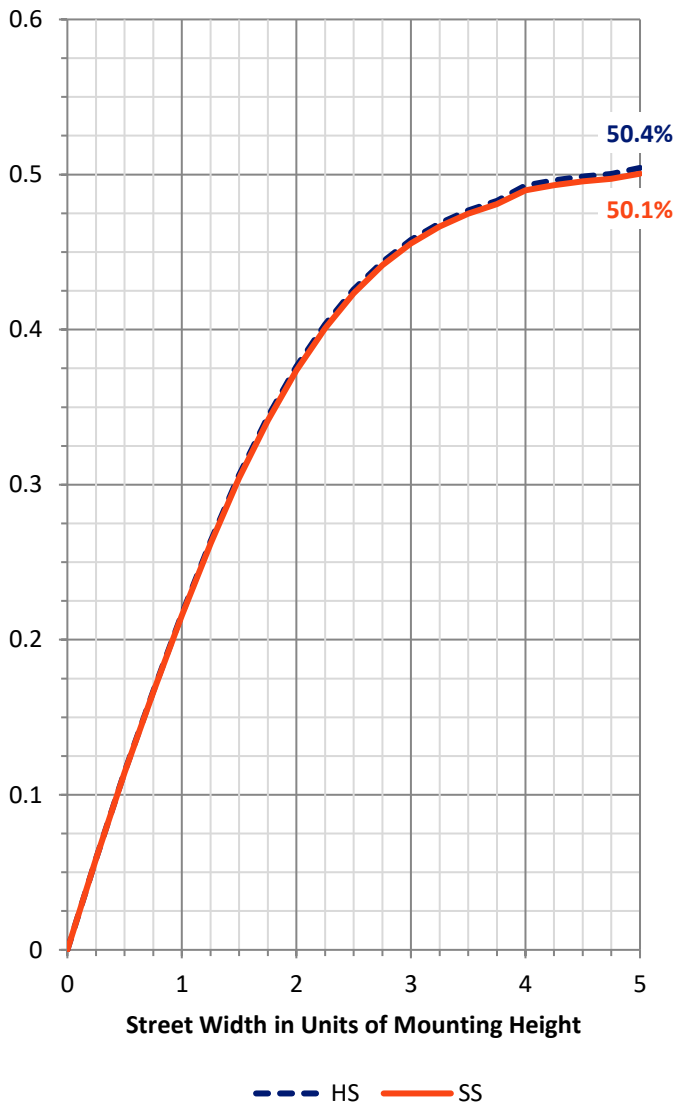
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16129.5	0.0	16129.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16129.5	0.0	16129.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32259.0	0.0	32259.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.8	0.8
10°-20°	723.8	2.2
20°-30°	1234.1	3.8
30°-40°	1928.3	6.0
40°-50°	3268.0	10.1
50°-60°	5959.4	18.5
60°-70°	10259.5	31.8
70°-80°	8041.8	24.9
80°-90°	596.3	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°	32259.0	100.0
0°-180°	32259.0	100.0

Coefficient of Utilization

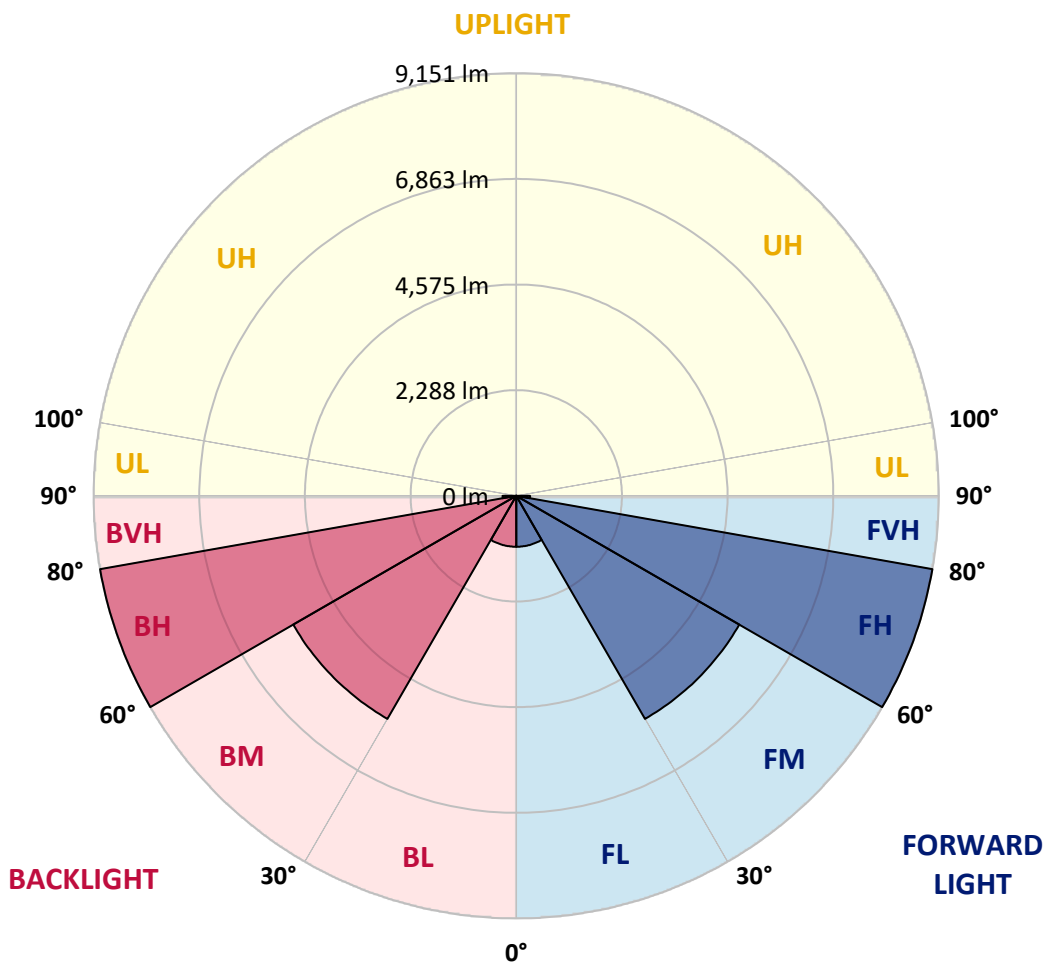


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1102.8	3.4			
FM (30°-60°)	5577.8	17.3			
FH (60°-80°)	9150.7	28.4			G4/12000
FVH (80°-90°)	298.1	0.9			G3/500
BL (0°-30°)	1102.8	3.4	B3/2500		
BM (30°-60°)	5577.8	17.3	B4/8500		
BH (60°-80°)	9150.7	28.4	B5		G4/12000
BVH (80°-90°)	298.1	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°	2654.9	2654.9	2654.9	2654.9	2654.9	2654.9	2654.9	2654.9	2654.9	2654.9	2654.9
2.5°	2643.2	2646.4	2643.2	2645.3	2640.0	2642.1	2642.1	2642.1	2641.0	2642.1	2640.0
5°	2619.7	2621.8	2617.6	2619.7	2616.5	2619.7	2620.8	2619.7	2617.6	2618.6	2614.4
7.5°	2584.5	2586.6	2583.4	2586.6	2582.4	2587.7	2586.6	2583.4	2580.2	2580.2	2576.0
10°	2565.3	2566.4	2557.8	2554.6	2545.0	2547.1	2550.3	2553.5	2556.7	2563.2	2562.1
12.5°	2566.4	2566.4	2553.5	2539.7	2525.8	2529.0	2534.3	2546.1	2558.9	2570.6	2571.7
15°	2577.0	2576.0	2556.7	2534.3	2524.7	2534.3	2537.5	2545.0	2565.3	2585.6	2586.6
17.5°	2584.5	2584.5	2554.6	2529.0	2527.9	2542.9	2541.8	2545.0	2567.4	2597.3	2598.4
20°	2598.4	2598.4	2559.9	2532.2	2532.2	2548.2	2549.3	2554.6	2577.0	2610.1	2615.4
22.5°	2629.3	2630.4	2589.8	2567.4	2569.6	2579.2	2582.4	2590.9	2611.2	2647.5	2653.9
25°	2673.1	2675.2	2633.6	2620.8	2628.2	2646.4	2644.2	2650.7	2673.1	2708.3	2714.7
27.5°	2733.9	2728.5	2690.1	2684.8	2692.3	2705.1	2704.0	2705.1	2723.2	2755.2	2762.7
30°	2812.8	2810.7	2783.0	2786.2	2783.0	2778.7	2779.8	2788.3	2797.9	2823.5	2831.0
32.5°	2889.7	2891.8	2874.7	2890.7	2914.2	2930.2	2905.7	2882.2	2871.5	2885.4	2891.8
35°	3028.4	3033.7	3007.1	2996.4	3028.4	3075.4	3006.0	2967.6	2988.9	3007.1	3012.4
37.5°	3264.2	3267.4	3222.6	3179.9	3156.5	3201.3	3131.9	3135.1	3209.8	3244.0	3242.9
40°	3533.1	3534.2	3504.3	3467.0	3426.4	3437.1	3409.4	3417.9	3467.0	3497.9	3506.5
42.5°	3853.3	3850.1	3803.1	3749.8	3738.0	3748.7	3701.7	3695.3	3751.9	3807.4	3808.4
45°	4268.4	4260.9	4200.1	4141.4	4084.8	4061.3	4049.6	4080.6	4158.5	4209.7	4210.7
47.5°	4715.5	4695.2	4663.2	4616.2	4567.1	4543.7	4524.5	4539.4	4596.0	4616.2	4618.4
50°	5175.4	5179.7	5186.1	5167.9	5149.8	5142.3	5092.2	5063.3	5080.4	5043.1	5037.7
52.5°	5720.7	5729.2	5791.1	5843.4	5874.3	5890.3	5795.4	5696.1	5640.6	5568.1	5546.7
55°	6364.1	6378.0	6468.7	6613.8	6763.2	6842.2	6670.4	6484.7	6312.9	6177.4	6133.6
57.5°	7081.2	7105.8	7230.6	7509.1	7815.4	8002.1	7711.9	7374.7	7042.8	6847.5	6813.4
60°	7922.1	7945.6	8118.4	8517.5	9013.7	9294.4	8854.7	8303.0	7890.1	7703.3	7640.4
62.5°	8923.0	8925.1	9137.5	9603.8	10259.0	10649.6	10054.1	9316.8	8891.0	8665.8	8605.0
65°	9999.7	10005.0	10224.9	10728.5	11406.1	11830.8	11158.6	10390.3	9869.5	9537.7	9490.7
67.5°	10760.5	10782.9	11014.5	11620.6	12254.5	12637.5	11941.8	11073.2	10471.4	10075.5	10036.0
70°	10638.9	10726.4	10998.5	11706.0	12587.4	13133.7	12068.8	10992.1	10198.2	9730.8	9697.7
72.5°	9278.3	9445.9	9808.7	10737.1	12146.7	12899.0	11376.2	9845.0	8946.5	8548.5	8488.7
75°	6318.2	6590.3	7137.8	8477.0	10377.5	11168.2	9577.1	7849.5	7004.4	6453.8	6413.2
77.5°	2817.1	2879.0	3572.6	5114.6	7161.2	8020.2	6958.5	5134.8	3854.3	3074.3	2910.0
80°	785.4	795.0	1060.7	1904.8	3584.4	4712.3	3847.9	2000.8	1124.7	792.8	747.0
82.5°	249.7	271.0	330.8	494.1	1204.7	2150.2	1236.8	533.5	379.9	303.1	273.2
85°	121.6	120.6	167.5	200.6	307.3	475.9	327.6	247.6	216.6	144.1	130.2
87.5°	51.2	52.3	77.9	70.4	89.6	76.8	105.6	111.0	116.3	64.0	55.5
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)