

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: P383384

Luminaire Tested: **GLEON-SA7A-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383384
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-SA7A-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 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: 32344.3 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

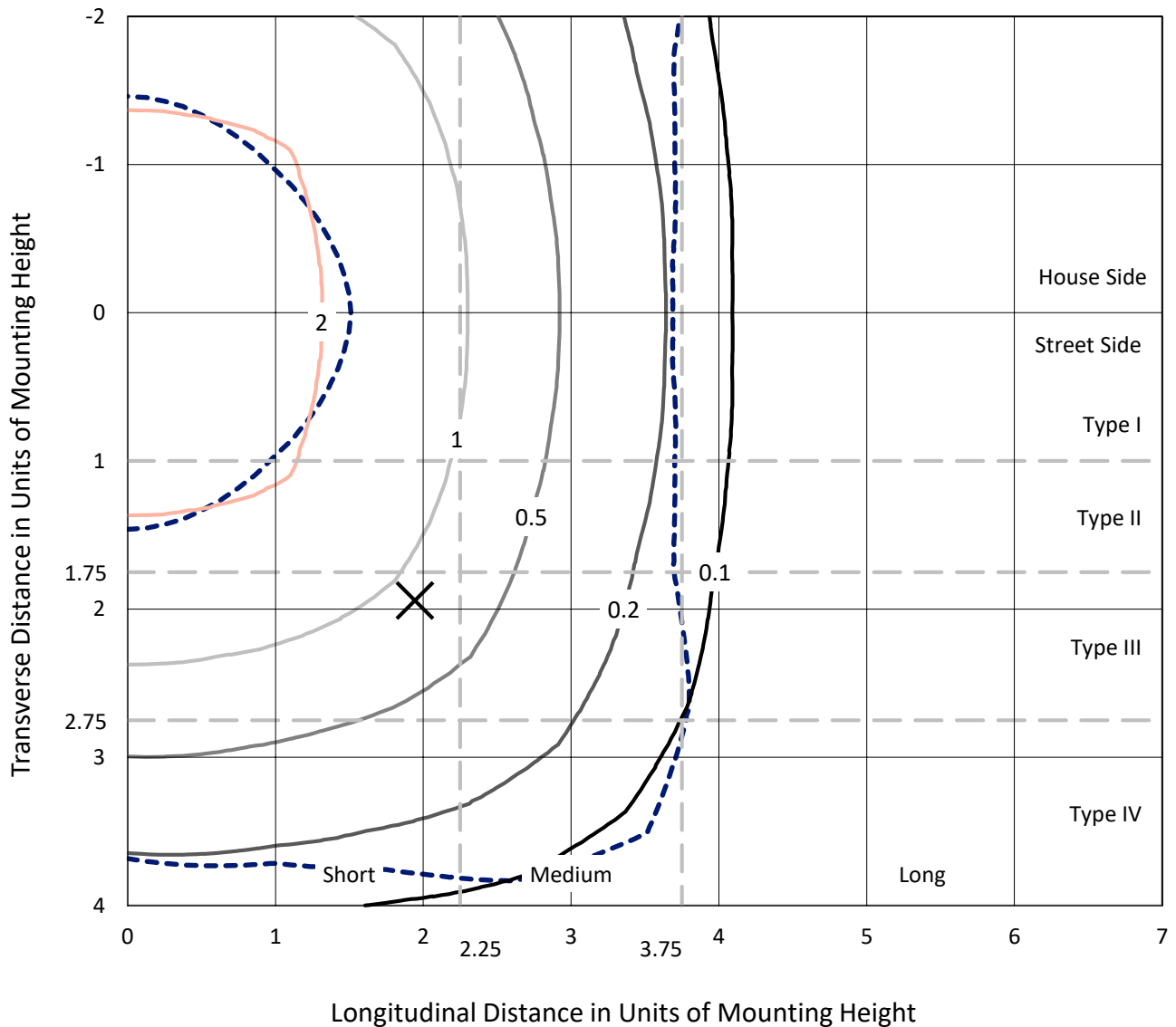
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

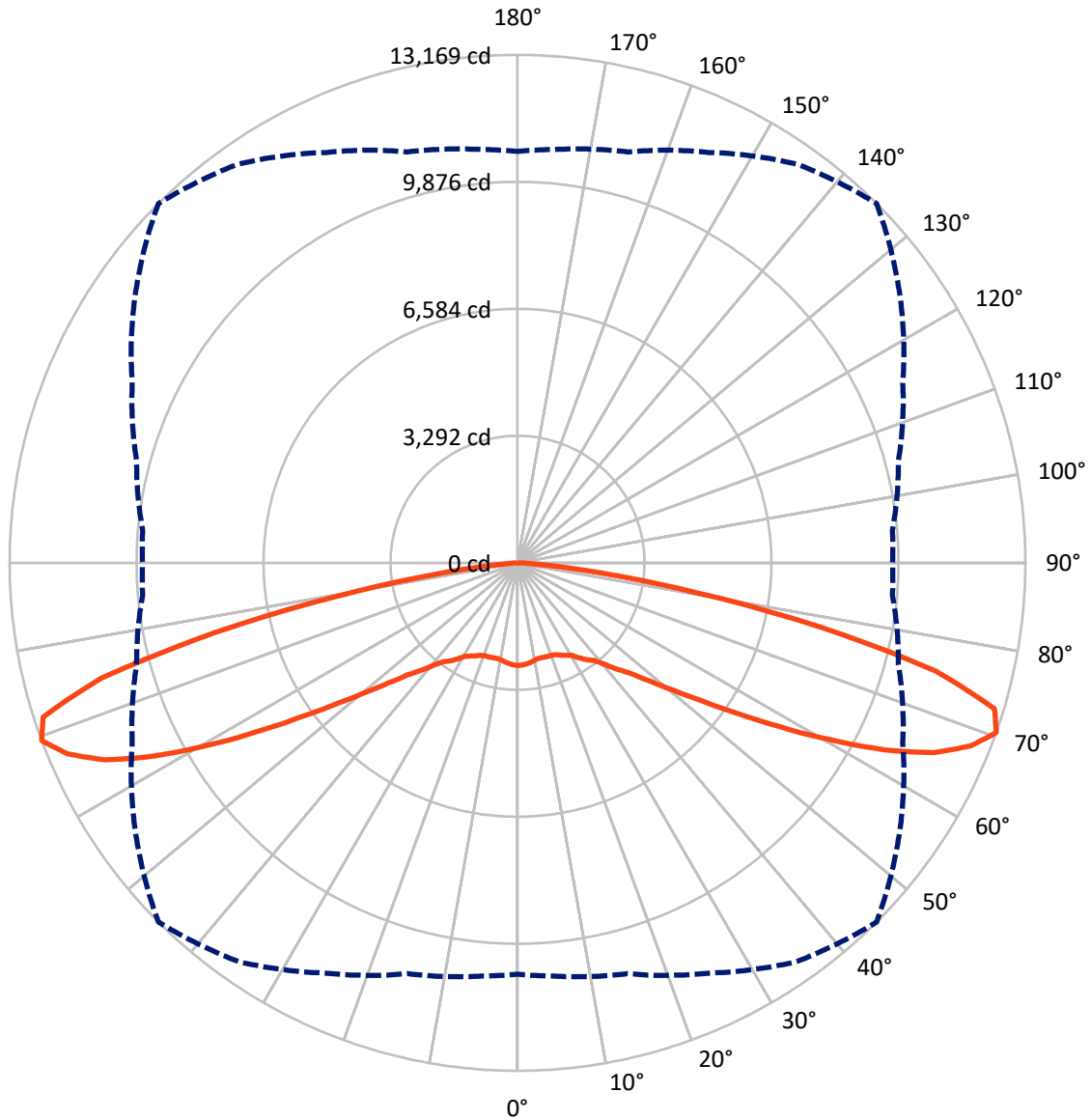
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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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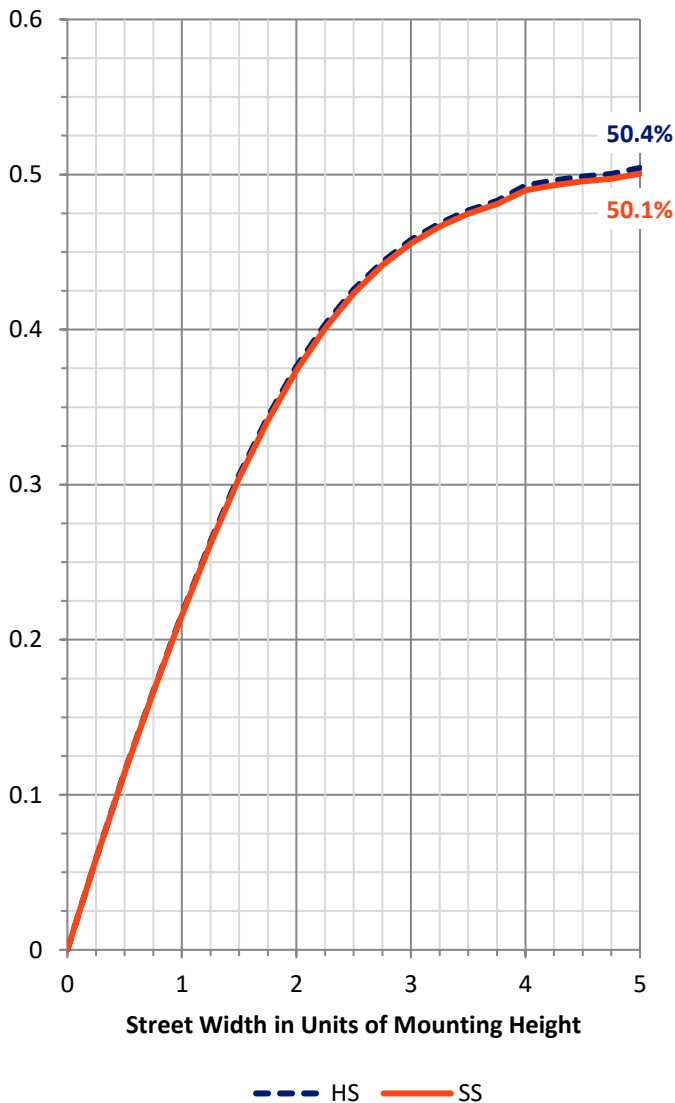
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16172.1	0.0	16172.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16172.1	0.0	16172.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	32344.3	0.0	32344.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.4	0.8
10°-20°	725.7	2.2
20°-30°	1237.3	3.8
30°-40°	1933.4	6.0
40°-50°	3276.6	10.1
50°-60°	5975.2	18.5
60°-70°	10286.7	31.8
70°-80°	8063.1	24.9
80°-90°	597.9	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°	32344.3	100.0
0°-180°	32344.3	100.0

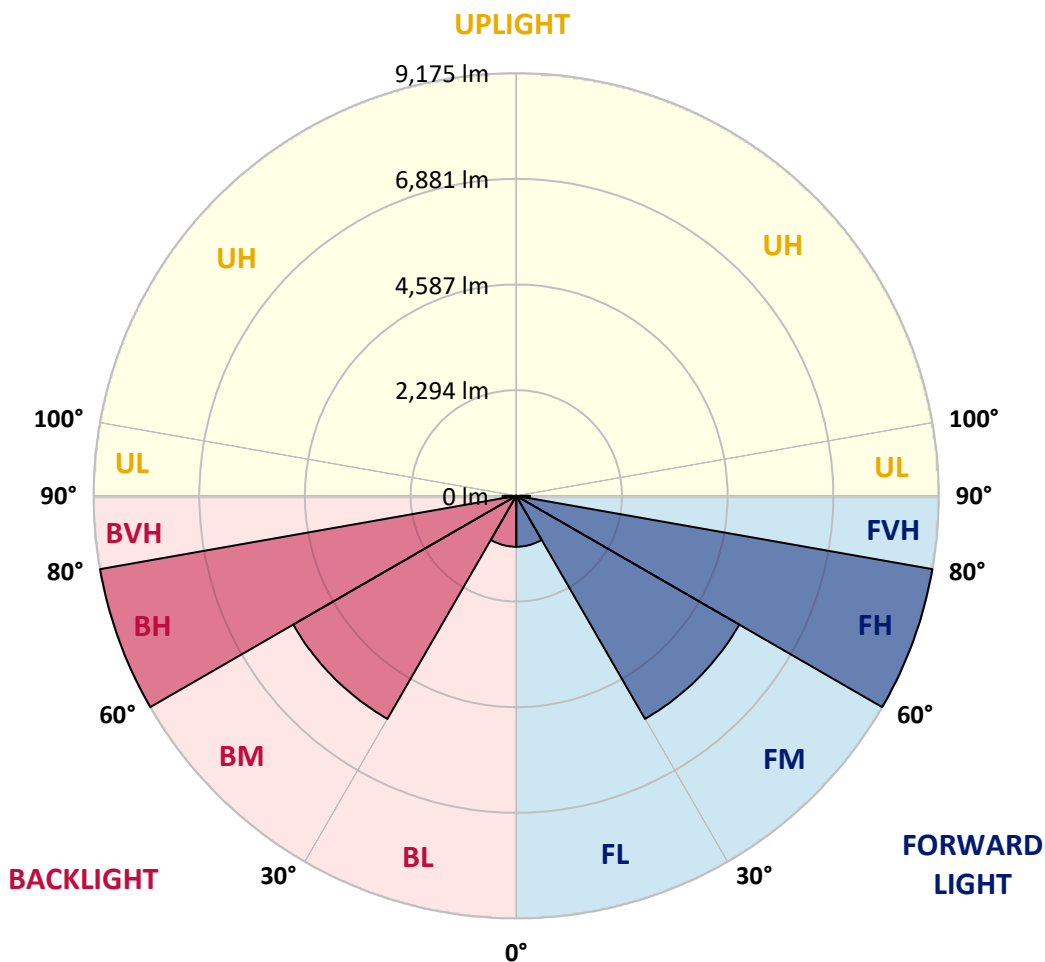


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1105.8	3.4			
FM (30°-60°)	5592.6	17.3			
FH (60°-80°)	9174.9	28.4			G4/12000
FVH (80°-90°)	298.9	0.9			G3/500
BL (0°-30°)	1105.8	3.4	B3/2500		
BM (30°-60°)	5592.6	17.3	B4/8500		
BH (60°-80°)	9174.9	28.4	B5		G4/12000
BVH (80°-90°)	298.9	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°	2661.9	2661.9	2661.9	2661.9	2661.9	2661.9	2661.9	2661.9	2661.9	2661.9	2661.9
2.5°	2650.2	2653.4	2650.2	2652.3	2647.0	2649.1	2649.1	2649.1	2648.0	2649.1	2647.0
5°	2626.6	2628.7	2624.4	2626.6	2623.4	2626.6	2627.7	2626.6	2624.4	2625.6	2621.3
7.5°	2591.3	2593.4	2590.3	2593.4	2589.1	2594.5	2593.4	2590.3	2587.0	2587.0	2582.8
10°	2572.1	2573.1	2564.6	2561.4	2551.7	2553.8	2557.1	2560.3	2563.5	2570.0	2568.8
12.5°	2573.1	2573.1	2560.3	2546.4	2532.5	2535.7	2541.1	2552.8	2565.7	2577.4	2578.5
15°	2583.8	2582.8	2563.5	2541.1	2531.4	2541.1	2544.2	2551.7	2572.1	2592.4	2593.4
17.5°	2591.3	2591.3	2561.4	2535.7	2534.6	2549.6	2548.5	2551.7	2574.2	2604.1	2605.3
20°	2605.3	2605.3	2566.7	2538.9	2538.9	2555.0	2556.0	2561.4	2583.8	2617.0	2622.3
22.5°	2636.3	2637.3	2596.7	2574.2	2576.4	2586.0	2589.1	2597.7	2618.1	2654.4	2660.9
25°	2680.2	2682.3	2640.6	2627.7	2635.2	2653.4	2651.3	2657.6	2680.2	2715.5	2721.9
27.5°	2741.1	2735.8	2697.2	2691.9	2699.3	2712.2	2711.2	2712.2	2730.4	2762.5	2770.0
30°	2820.3	2818.1	2790.4	2793.5	2790.4	2786.1	2787.1	2795.7	2805.3	2831.0	2838.5
32.5°	2897.3	2899.4	2882.3	2898.4	2921.9	2938.0	2913.3	2889.8	2879.1	2893.0	2899.4
35°	3036.4	3041.8	3015.0	3004.3	3036.4	3083.5	3013.9	2975.5	2996.8	3015.0	3020.4
37.5°	3272.9	3276.1	3231.2	3188.3	3164.8	3209.7	3140.2	3143.4	3218.3	3252.5	3251.5
40°	3542.5	3543.5	3513.6	3476.2	3435.5	3446.2	3418.4	3426.9	3476.2	3507.2	3515.8
42.5°	3863.4	3860.2	3813.2	3759.6	3747.9	3758.6	3711.6	3705.1	3761.8	3817.5	3818.5
45°	4279.6	4272.2	4211.2	4152.3	4095.6	4072.1	4060.3	4091.4	4169.4	4220.8	4221.9
47.5°	4728.0	4707.6	4675.5	4628.4	4579.2	4555.6	4536.5	4551.4	4608.1	4628.4	4630.5
50°	5189.1	5193.4	5199.8	5181.5	5163.4	5155.9	5105.6	5076.7	5093.9	5056.4	5051.0
52.5°	5735.8	5744.4	5806.4	5858.9	5889.9	5905.9	5810.7	5711.2	5655.5	5582.8	5561.4
55°	6380.9	6394.9	6485.8	6631.3	6781.1	6860.3	6688.0	6501.8	6329.6	6193.7	6149.9
57.5°	7099.9	7124.6	7249.7	7529.0	7836.0	8023.2	7732.2	7394.2	7061.4	6865.6	6831.4
60°	7943.0	7966.6	8139.9	8540.1	9037.5	9318.9	8878.1	8325.0	7910.9	7723.6	7660.6
62.5°	8946.6	8948.7	9161.7	9629.2	10286.1	10677.7	10080.7	9341.4	8914.5	8688.7	8627.7
65°	10026.2	10031.5	10251.9	10756.9	11436.2	11862.1	11188.1	10417.7	9895.6	9562.9	9515.8
67.5°	10789.0	10811.4	11043.6	11651.3	12286.8	12670.9	11973.4	11102.5	10499.0	10102.1	10062.5
70°	10667.0	10754.7	11027.6	11736.9	12620.7	13168.5	12100.7	11021.1	10225.1	9756.5	9723.3
72.5°	9302.9	9470.9	9834.6	10765.4	12178.8	12933.0	11406.3	9871.0	8970.2	8571.1	8511.2
75°	6334.9	6607.7	7156.6	8499.3	10404.9	11197.7	9602.5	7870.3	7022.9	6470.8	6430.2
77.5°	2824.5	2886.6	3582.1	5128.1	7180.2	8041.5	6976.9	5148.4	3864.5	3082.4	2917.6
80°	787.4	797.1	1063.5	1909.8	3593.8	4724.7	3858.1	2006.1	1127.7	795.0	749.0
82.5°	250.4	271.7	331.6	495.4	1207.9	2155.9	1240.0	535.0	380.9	303.9	273.9
85°	121.9	120.9	168.0	201.1	308.2	477.1	328.5	248.3	217.2	144.5	130.5
87.5°	51.3	52.4	78.1	70.6	89.9	77.0	105.9	111.2	116.6	64.2	55.6
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)