

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: P316274

Luminaire Tested: **GLEON-SA0A-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316274
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-SA0A-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 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: 35716 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

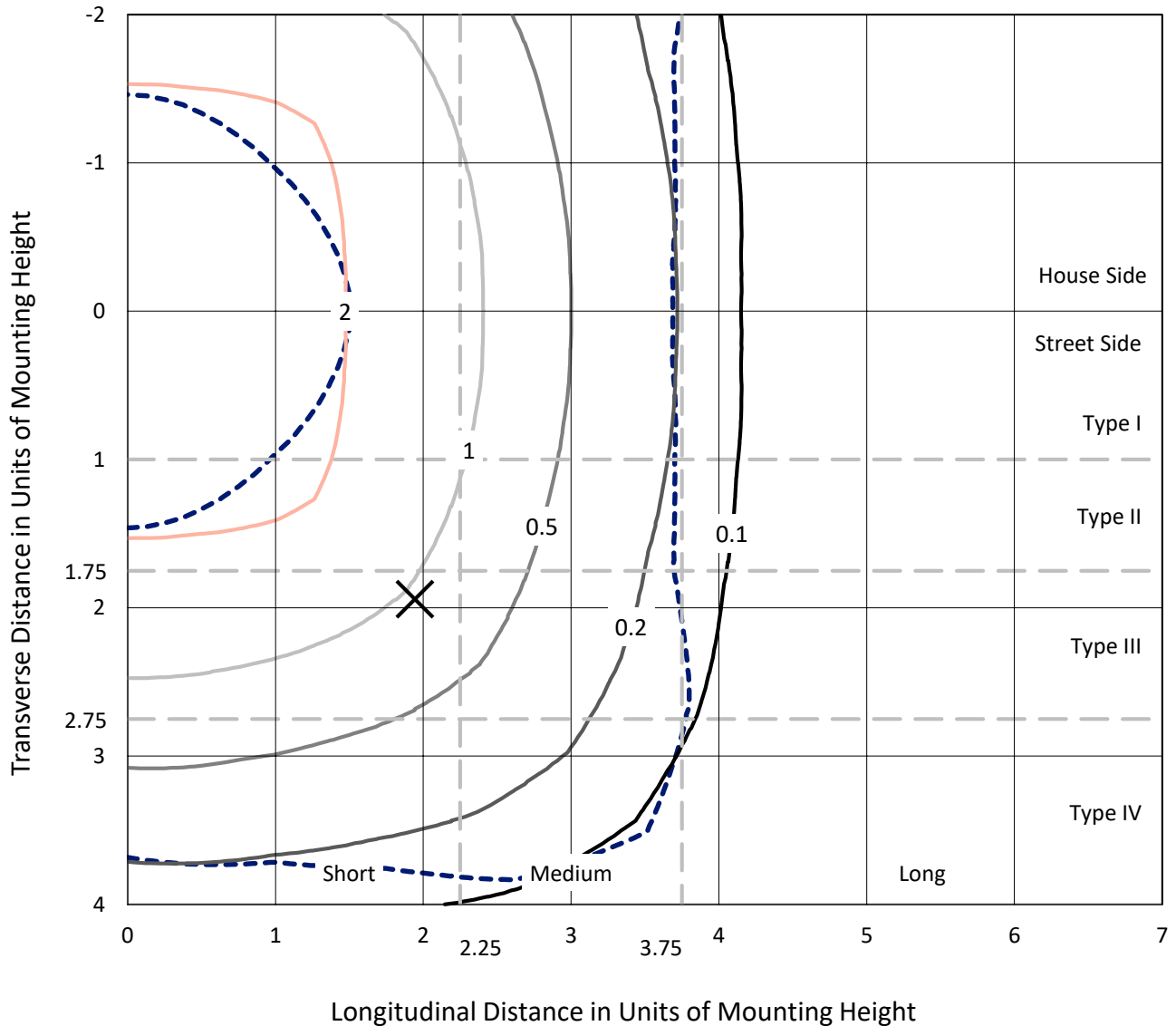
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

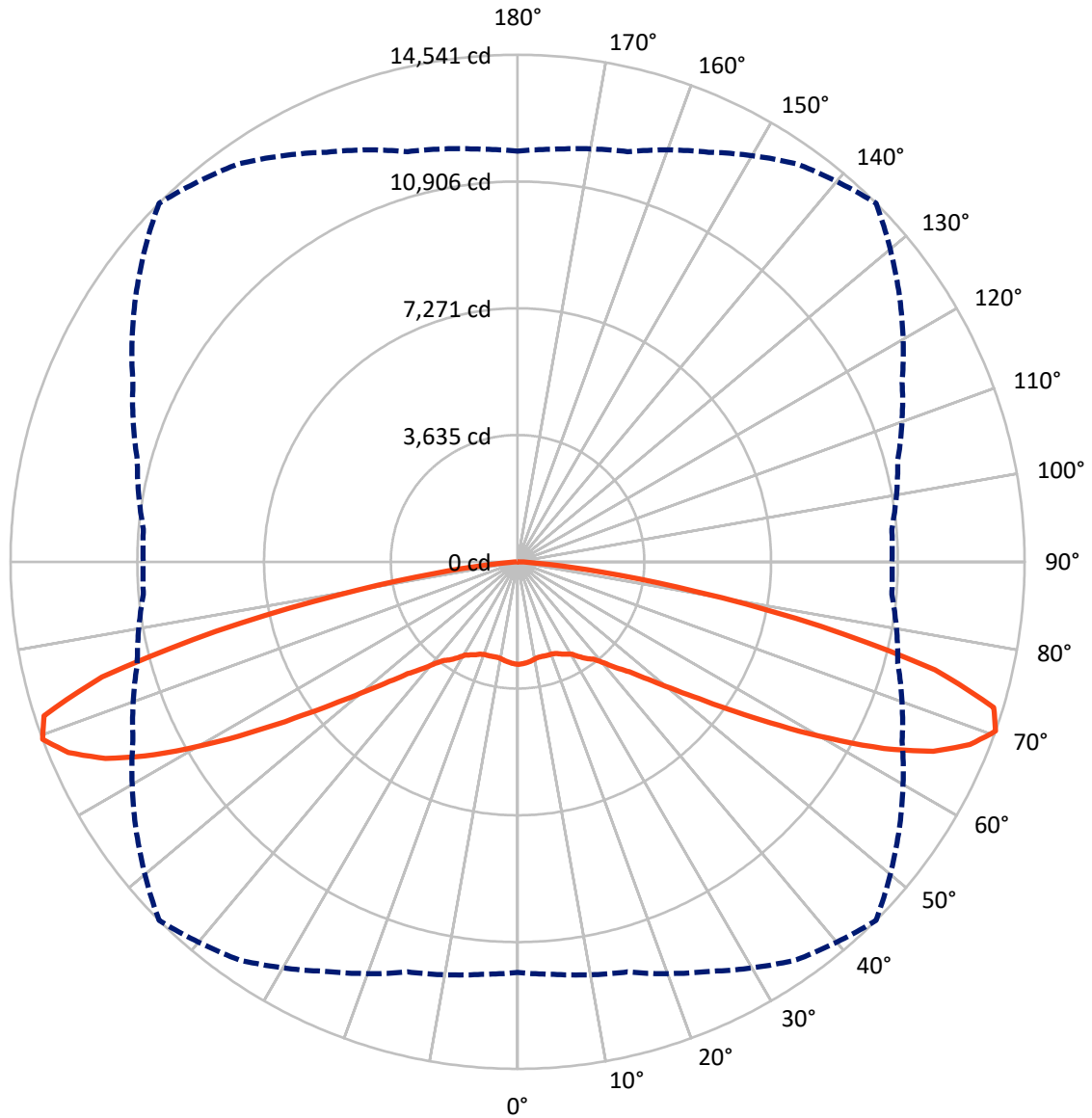
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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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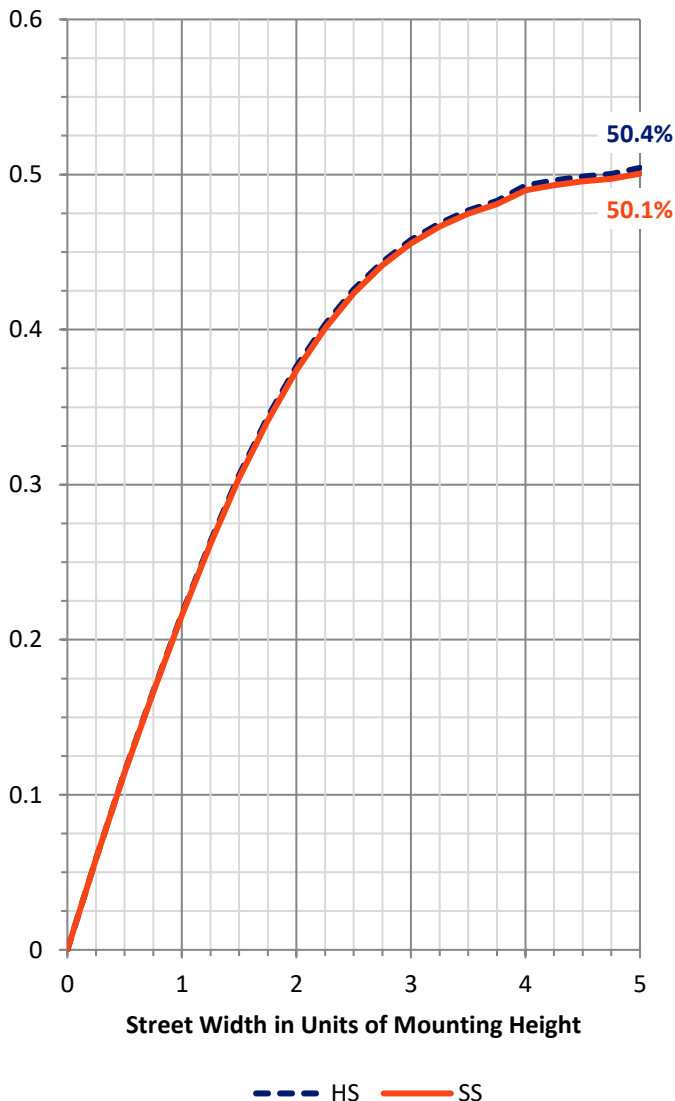
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17858.0	0.0	17858.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17858.0	0.0	17858.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35716.0	0.0	35716.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.4	0.8
10°-20°	801.4	2.2
20°-30°	1366.3	3.8
30°-40°	2134.9	6.0
40°-50°	3618.2	10.1
50°-60°	6598.0	18.5
60°-70°	11359.0	31.8
70°-80°	8903.6	24.9
80°-90°	660.2	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°	35716.0	100.0
0°-180°	35716.0	100.0

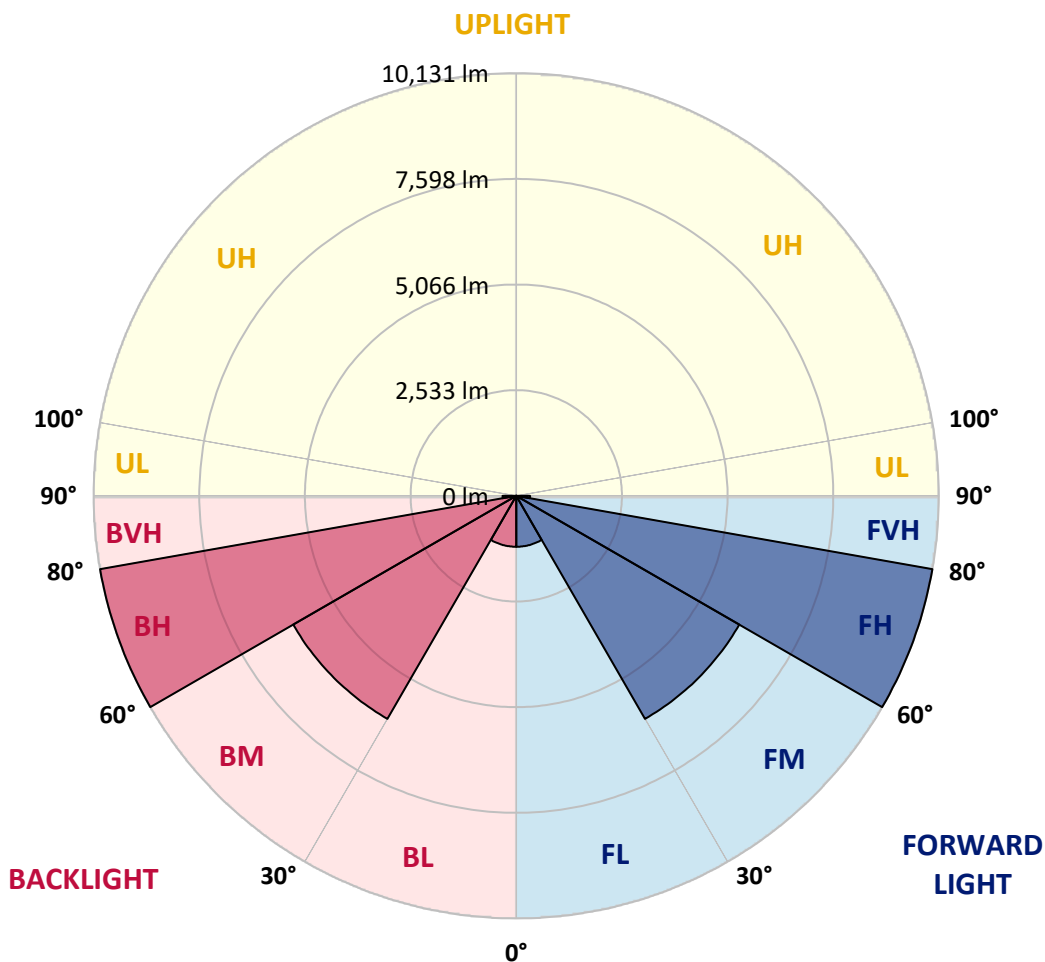


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1221.0	3.4			
FM (30°-60°)	6175.6	17.3			
FH (60°-80°)	10131.3	28.4			G4/12000
FVH (80°-90°)	330.1	0.9			G3/500
BL (0°-30°)	1221.0	3.4	B3/2500		
BM (30°-60°)	6175.6	17.3	B4/8500		
BH (60°-80°)	10131.3	28.4	B5		G4/12000
BVH (80°-90°)	330.1	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°	2939.4	2939.4	2939.4	2939.4	2939.4	2939.4	2939.4	2939.4	2939.4	2939.4	2939.4
2.5°	2926.4	2930.0	2926.4	2928.8	2922.9	2925.3	2925.3	2925.3	2924.1	2925.3	2922.9
5°	2900.4	2902.8	2898.1	2900.4	2896.9	2900.4	2901.6	2900.4	2898.1	2899.3	2894.5
7.5°	2861.5	2863.8	2860.3	2863.8	2859.1	2865.0	2863.8	2860.3	2856.7	2856.7	2852.0
10°	2840.2	2841.4	2831.9	2828.4	2817.7	2820.1	2823.7	2827.2	2830.7	2837.8	2836.6
12.5°	2841.4	2841.4	2827.2	2811.8	2796.5	2800.0	2805.9	2818.9	2833.1	2846.1	2847.3
15°	2853.2	2852.0	2830.7	2805.9	2795.3	2805.9	2809.5	2817.7	2840.2	2862.6	2863.8
17.5°	2861.5	2861.5	2828.4	2800.0	2798.8	2815.4	2814.2	2817.7	2842.6	2875.6	2876.8
20°	2876.8	2876.8	2834.3	2803.6	2803.6	2821.3	2822.5	2828.4	2853.2	2889.8	2895.7
22.5°	2911.1	2912.3	2867.4	2842.6	2844.9	2855.5	2859.1	2868.5	2891.0	2931.2	2938.3
25°	2959.5	2961.9	2915.8	2901.6	2909.9	2930.0	2927.6	2934.7	2959.5	2998.5	3005.6
27.5°	3026.9	3021.0	2978.4	2972.5	2980.8	2995.0	2993.8	2995.0	3015.0	3050.5	3058.8
30°	3114.3	3111.9	3081.2	3084.7	3081.2	3076.5	3077.7	3087.1	3097.7	3126.1	3134.4
32.5°	3199.3	3201.7	3182.8	3200.5	3226.5	3244.2	3217.1	3191.1	3179.3	3194.6	3201.7
35°	3352.9	3358.8	3329.3	3317.5	3352.9	3404.9	3328.1	3285.6	3309.2	3329.3	3335.2
37.5°	3614.0	3617.6	3568.0	3520.7	3494.7	3544.3	3467.5	3471.1	3553.8	3591.6	3590.4
40°	3911.8	3912.9	3879.9	3838.5	3793.6	3805.4	3774.7	3784.2	3838.5	3872.8	3882.2
42.5°	4266.2	4262.6	4210.7	4151.6	4138.6	4150.4	4098.4	4091.3	4154.0	4215.4	4216.6
45°	4725.8	4717.5	4650.2	4585.2	4522.6	4496.6	4483.6	4517.8	4604.1	4660.8	4662.0
47.5°	5220.8	5198.4	5162.9	5110.9	5056.6	5030.6	5009.3	5025.9	5088.5	5110.9	5113.3
50°	5730.0	5734.7	5741.8	5721.7	5701.6	5693.4	5637.8	5605.9	5624.9	5583.5	5577.6
52.5°	6333.7	6343.2	6411.7	6469.6	6503.8	6521.6	6416.4	6306.5	6245.1	6164.8	6141.1
55°	7046.1	7061.5	7161.9	7322.6	7488.0	7575.4	7385.2	7179.6	6989.4	6839.4	6790.9
57.5°	7840.1	7867.2	8005.5	8313.8	8652.9	8859.6	8538.3	8165.0	7797.5	7581.3	7543.5
60°	8771.0	8797.0	8988.4	9430.3	9979.7	10290.4	9803.6	9192.8	8735.6	8528.8	8459.1
62.5°	9879.2	9881.6	10116.7	10633.0	11358.4	11790.8	11131.6	10315.2	9843.8	9594.5	9527.2
65°	11071.3	11077.2	11320.6	11878.2	12628.5	13098.7	12354.4	11503.7	10927.2	10559.7	10507.8
67.5°	11913.7	11938.5	12194.9	12865.9	13567.7	13991.8	13221.5	12259.8	11593.5	11155.2	11111.5
70°	11779.0	11875.9	12177.1	12960.4	13936.3	14541.2	13362.1	12170.1	11291.1	10773.6	10737.0
72.5°	10272.7	10458.1	10859.8	11887.7	13448.4	14281.3	12595.4	10900.0	9905.2	9464.5	9398.4
75°	6995.3	7296.6	7902.7	9385.4	11489.5	12365.0	10603.5	8690.7	7755.0	7145.4	7100.5
77.5°	3119.0	3187.5	3955.5	5662.7	7928.7	8879.7	7704.2	5685.1	4267.4	3403.7	3221.8
80°	869.5	880.2	1174.4	2108.9	3968.5	5217.3	4260.3	2215.2	1245.2	877.8	827.0
82.5°	276.5	300.1	366.2	547.0	1333.8	2380.6	1369.3	590.7	420.6	335.5	302.4
85°	134.7	133.5	185.5	222.1	340.3	526.9	362.7	274.1	239.8	159.5	144.1
87.5°	56.7	57.9	86.2	78.0	99.2	85.1	117.0	122.9	128.8	70.9	61.4
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)