

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: P316600

Luminaire Tested: **GLEON-SA6B-827-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316600
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-SA6B-827-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26396 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

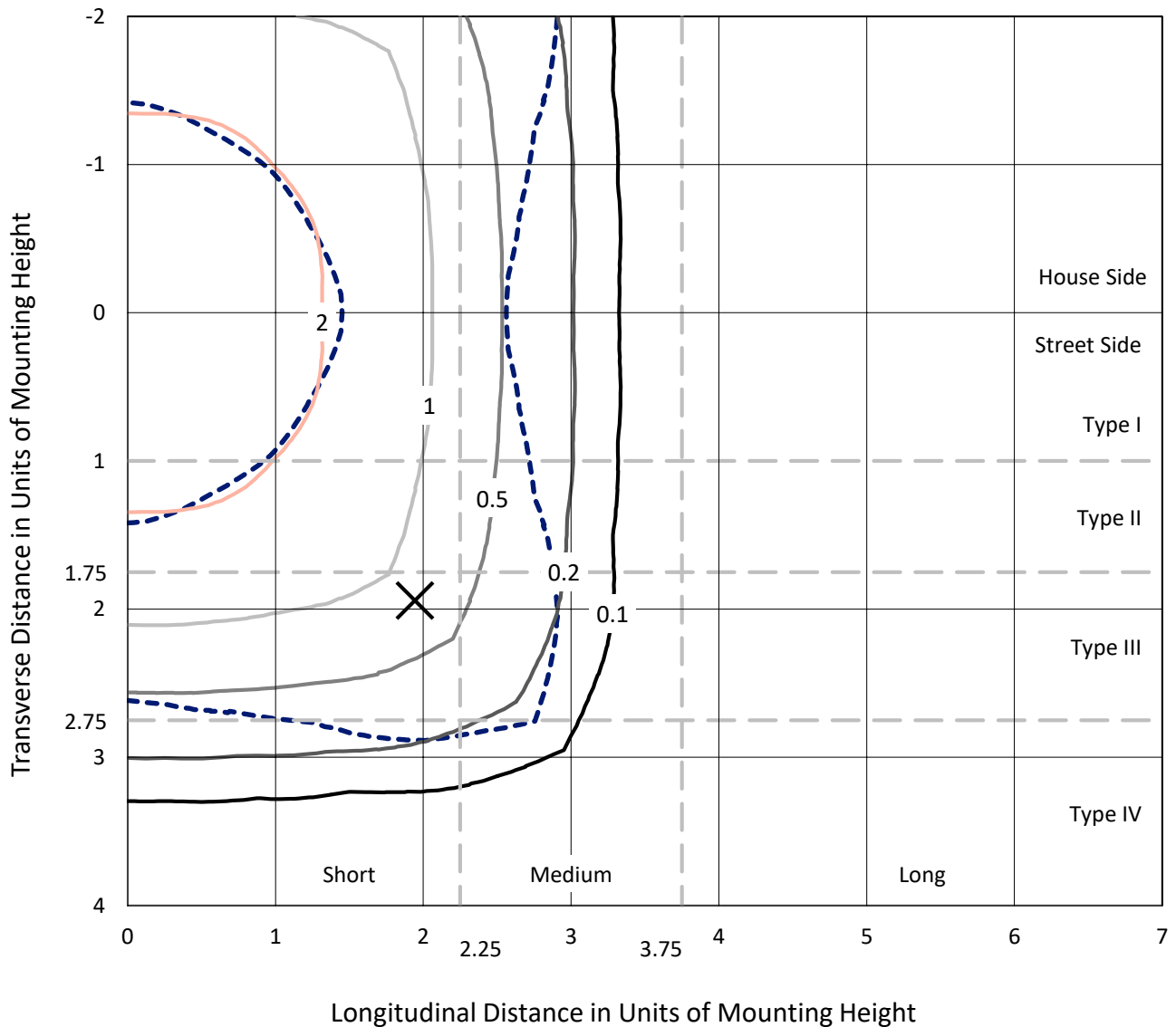
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

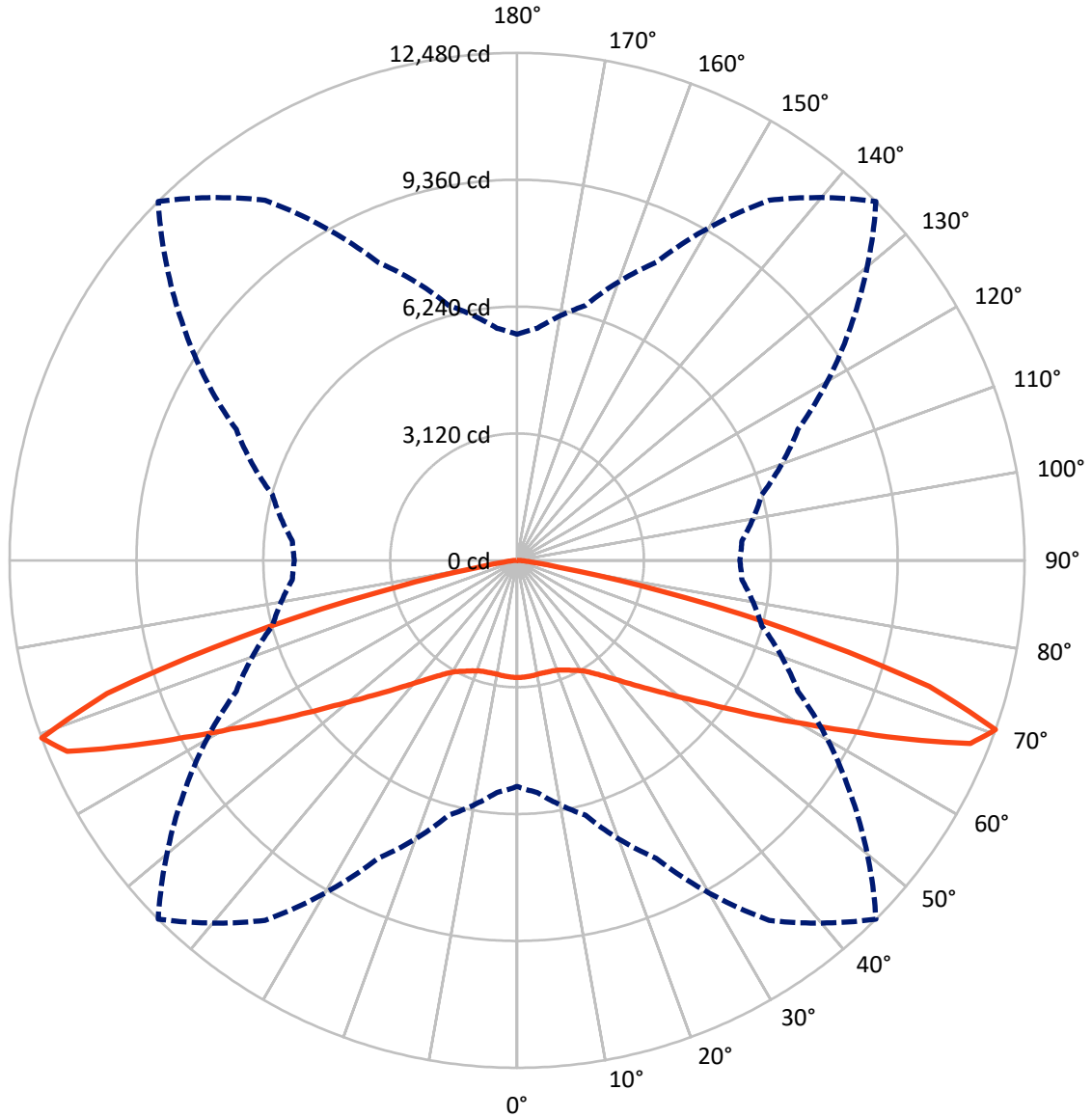
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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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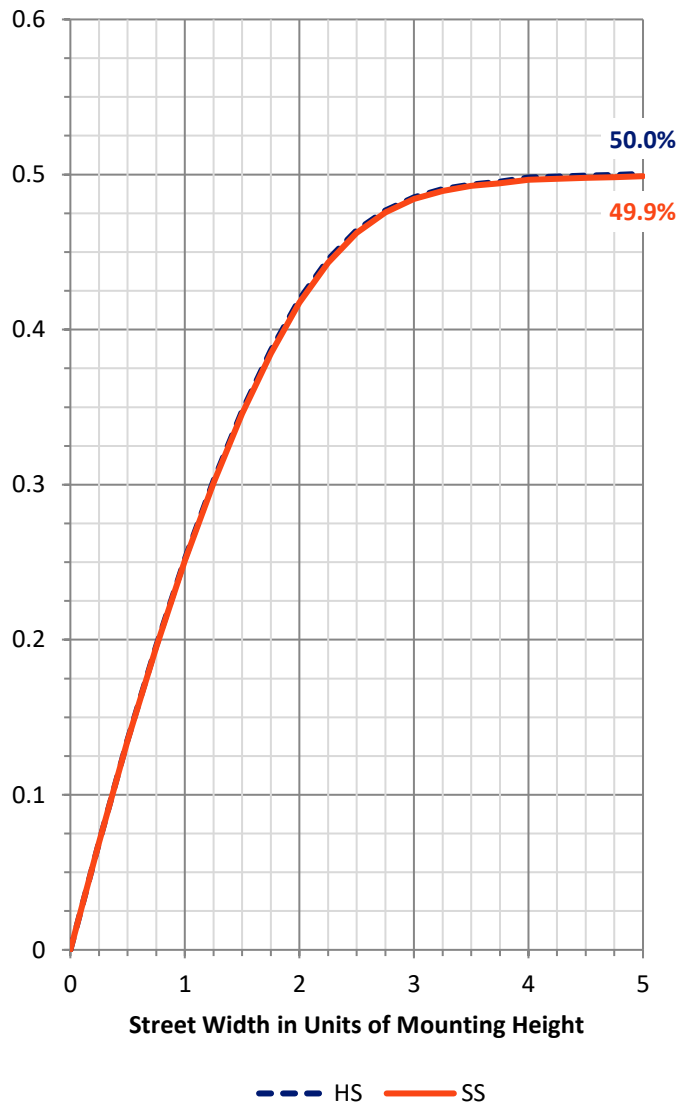
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13198.0	0.0	13198.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13198.0	0.0	13198.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26396.0	0.0	26396.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.0	1.0
10°-20°	801.6	3.0
20°-30°	1364.5	5.2
30°-40°	2164.1	8.2
40°-50°	3521.7	13.3
50°-60°	5806.6	22.0
60°-70°	8524.3	32.3
70°-80°	3769.4	14.3
80°-90°	170.7	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°	26396.0	100.0
0°-180°	26396.0	100.0

Coefficient of Utilization



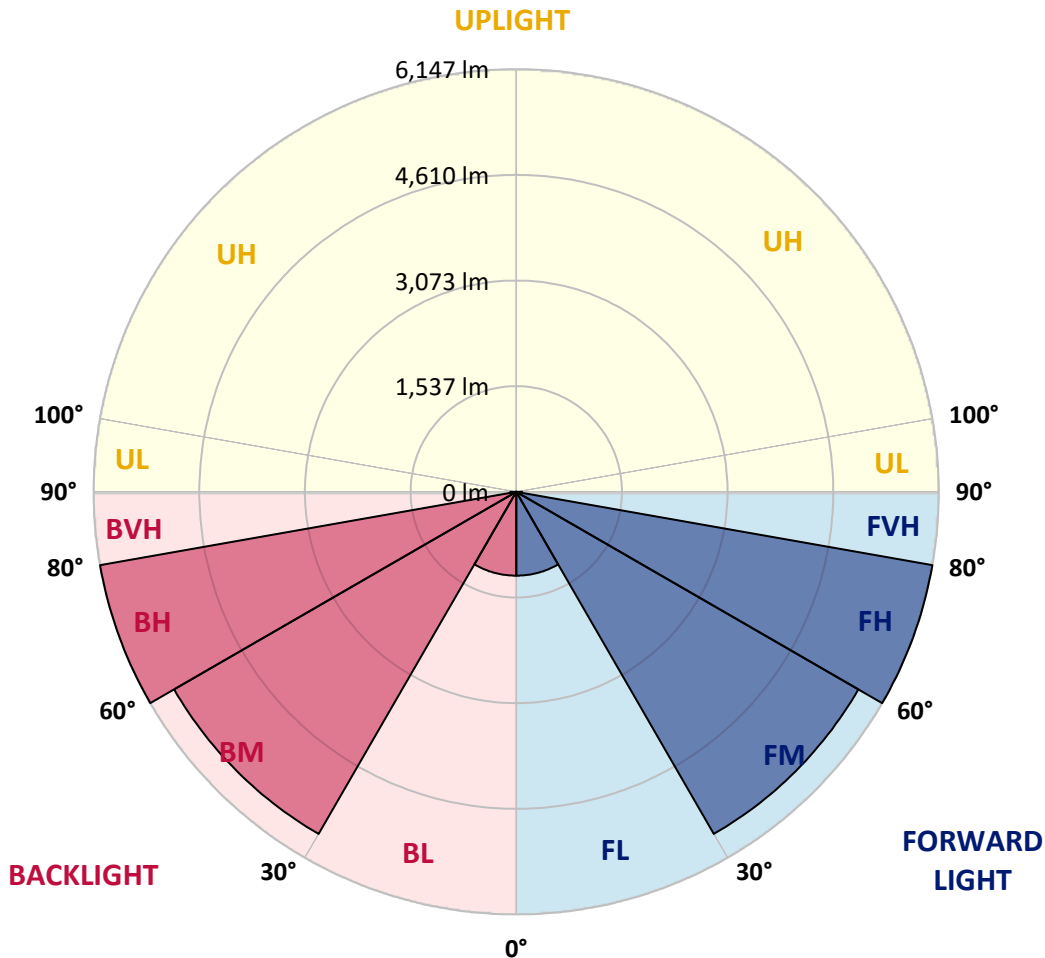
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1219.6	4.6			
FM (30°-60°)	5746.2	21.8			
FH (60°-80°)	6146.9	23.3			G3/7500
FVH (80°-90°)	85.3	0.3			G1/100
BL (0°-30°)	1219.6	4.6	B3/2500		
BM (30°-60°)	5746.2	21.8	B4/8500		
BH (60°-80°)	6146.9	23.3	B5		G3/7500
BVH (80°-90°)	85.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9
2.5°	2878.5	2875.9	2882.0	2881.1	2875.9	2876.7	2876.7	2879.4	2879.4	2877.6	2877.6
5°	2868.0	2866.3	2873.2	2873.2	2868.0	2869.8	2871.5	2874.1	2873.2	2871.5	2870.6
7.5°	2854.9	2854.0	2861.0	2861.0	2857.5	2859.3	2857.5	2858.4	2856.6	2854.9	2852.3
10°	2833.1	2834.8	2840.9	2842.7	2842.7	2843.5	2841.8	2837.4	2834.8	2832.2	2829.6
12.5°	2813.0	2812.1	2820.8	2825.2	2832.2	2840.0	2834.8	2822.6	2817.3	2812.1	2810.3
15°	2799.9	2800.7	2809.5	2817.3	2829.6	2846.2	2840.0	2820.8	2810.3	2804.2	2802.5
17.5°	2797.2	2799.0	2810.3	2824.3	2837.4	2855.8	2852.3	2833.1	2815.6	2804.2	2801.6
20°	2803.4	2804.2	2821.7	2841.8	2864.5	2882.0	2874.1	2853.2	2829.6	2812.1	2807.7
22.5°	2814.7	2818.2	2840.0	2871.5	2906.4	2930.0	2920.4	2884.6	2847.9	2826.1	2820.0
25°	2850.5	2851.4	2881.1	2923.9	2965.8	2992.9	2981.6	2930.9	2883.7	2859.3	2851.4
27.5°	2924.8	2927.4	2957.1	3006.9	3042.7	3060.2	3053.2	3012.1	2972.0	2945.8	2948.4
30°	3032.2	3035.7	3068.9	3124.0	3145.8	3150.2	3148.4	3129.2	3092.5	3057.6	3060.2
32.5°	3163.3	3165.0	3209.6	3259.4	3276.8	3280.3	3276.8	3259.4	3215.7	3168.5	3171.1
35°	3331.9	3337.1	3379.9	3428.0	3442.0	3448.9	3442.8	3420.1	3374.7	3328.4	3326.6
37.5°	3539.8	3540.7	3585.2	3635.0	3652.5	3654.2	3647.2	3632.4	3575.6	3533.7	3531.1
40°	3780.9	3784.4	3836.8	3890.1	3897.1	3889.2	3898.8	3890.1	3831.6	3783.5	3791.4
42.5°	4074.4	4082.3	4145.2	4197.6	4177.5	4173.1	4179.3	4181.9	4134.7	4076.2	4070.9
45°	4416.0	4423.0	4501.6	4543.6	4530.4	4501.6	4513.9	4534.8	4469.3	4396.8	4403.8
47.5°	4805.6	4823.1	4907.0	4946.3	4914.0	4874.6	4898.2	4929.7	4852.8	4762.8	4758.5
50°	5238.9	5260.8	5372.6	5427.6	5395.3	5322.8	5362.1	5383.1	5272.1	5155.9	5146.3
52.5°	5701.1	5722.9	5863.6	5977.1	5956.2	5843.5	5898.5	5876.7	5749.1	5592.7	5580.5
55°	6224.3	6233.1	6385.1	6568.5	6589.5	6506.5	6503.0	6467.2	6278.5	6097.7	6088.9
57.5°	6762.5	6768.6	6965.1	7181.8	7280.5	7280.5	7182.7	7106.7	6856.0	6646.3	6624.4
60°	7343.4	7365.3	7582.8	7877.2	8107.8	8175.9	8003.0	7795.9	7523.4	7267.4	7242.1
62.5°	7860.6	7885.9	8218.8	8657.3	9027.7	9275.8	8853.0	8515.8	8019.6	7609.0	7560.9
65°	7926.1	7994.2	8479.1	9273.2	10102.2	10597.5	9786.9	8956.1	8051.9	7481.4	7432.5
67.5°	7238.6	7353.9	8009.1	9245.2	10958.3	12021.5	10383.5	8704.5	7471.8	6841.1	6786.9
70°	5562.2	5729.9	6485.5	8086.8	10810.7	12480.1	10009.6	7620.3	6229.6	5550.8	5474.8
72.5°	3051.5	3120.5	3800.1	5537.7	8666.9	10605.4	8348.9	5634.7	4131.2	3361.6	3234.0
75°	967.9	992.4	1338.3	2266.1	4902.6	7024.6	5303.6	2765.8	1522.7	1122.6	1109.5
77.5°	429.8	432.4	484.0	661.3	1688.7	3559.0	2028.5	753.0	518.9	453.4	468.2
80°	271.7	271.7	299.6	327.6	459.5	1033.5	548.6	358.2	305.8	283.9	290.0
82.5°	130.2	144.1	194.8	209.7	252.5	347.7	281.3	234.1	204.4	152.0	141.5
85°	85.6	71.6	123.2	138.9	146.8	166.9	163.4	154.6	133.7	76.0	84.7
87.5°	38.4	36.7	63.8	58.5	55.0	41.9	62.9	77.7	75.1	37.6	37.6
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)