

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: P316300

Luminaire Tested: **GLEON-SA6D-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316300
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-SA6D-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35933 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

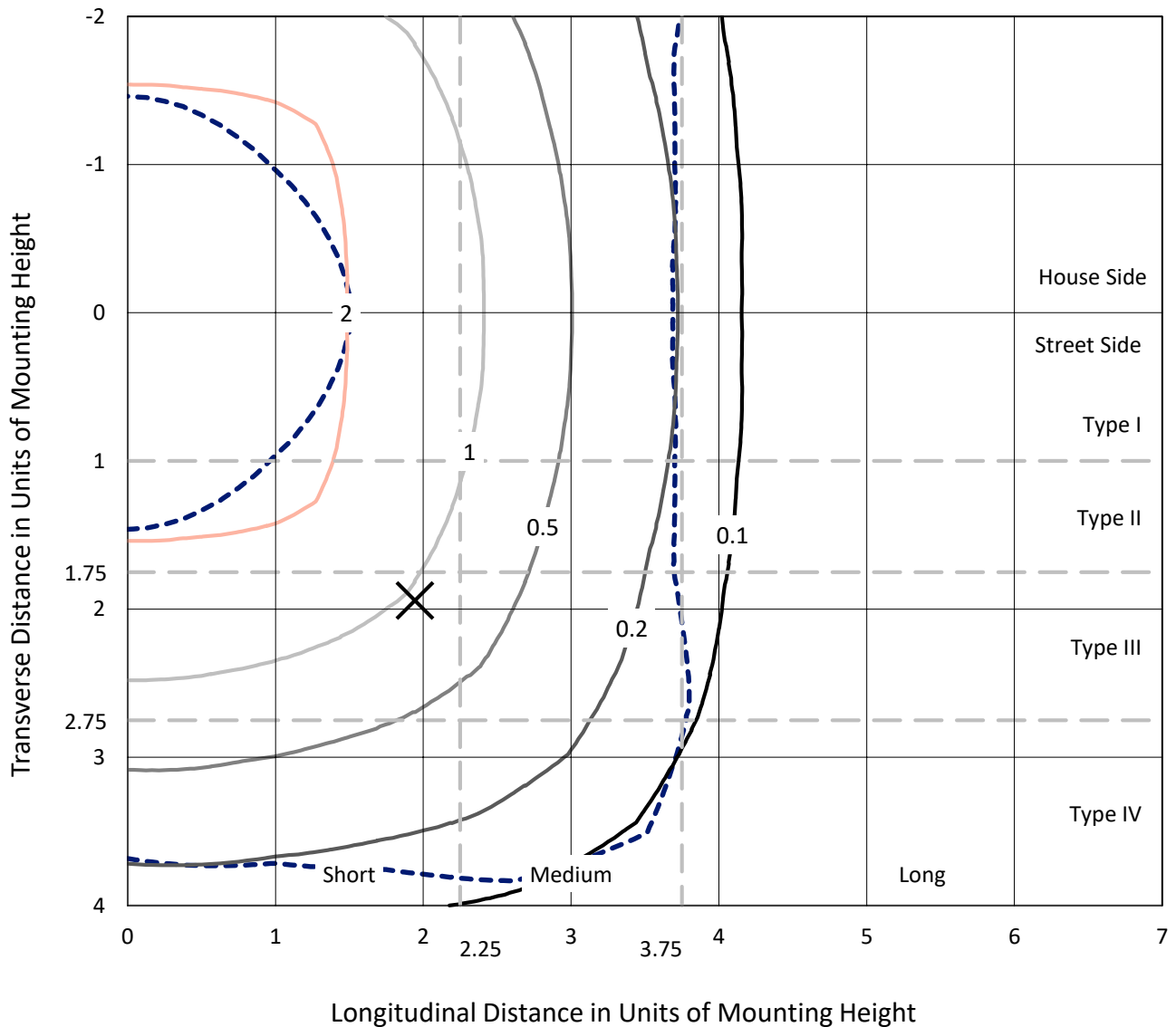
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316300
 CATALOG NUMBER: GLEON-SA6D-827-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

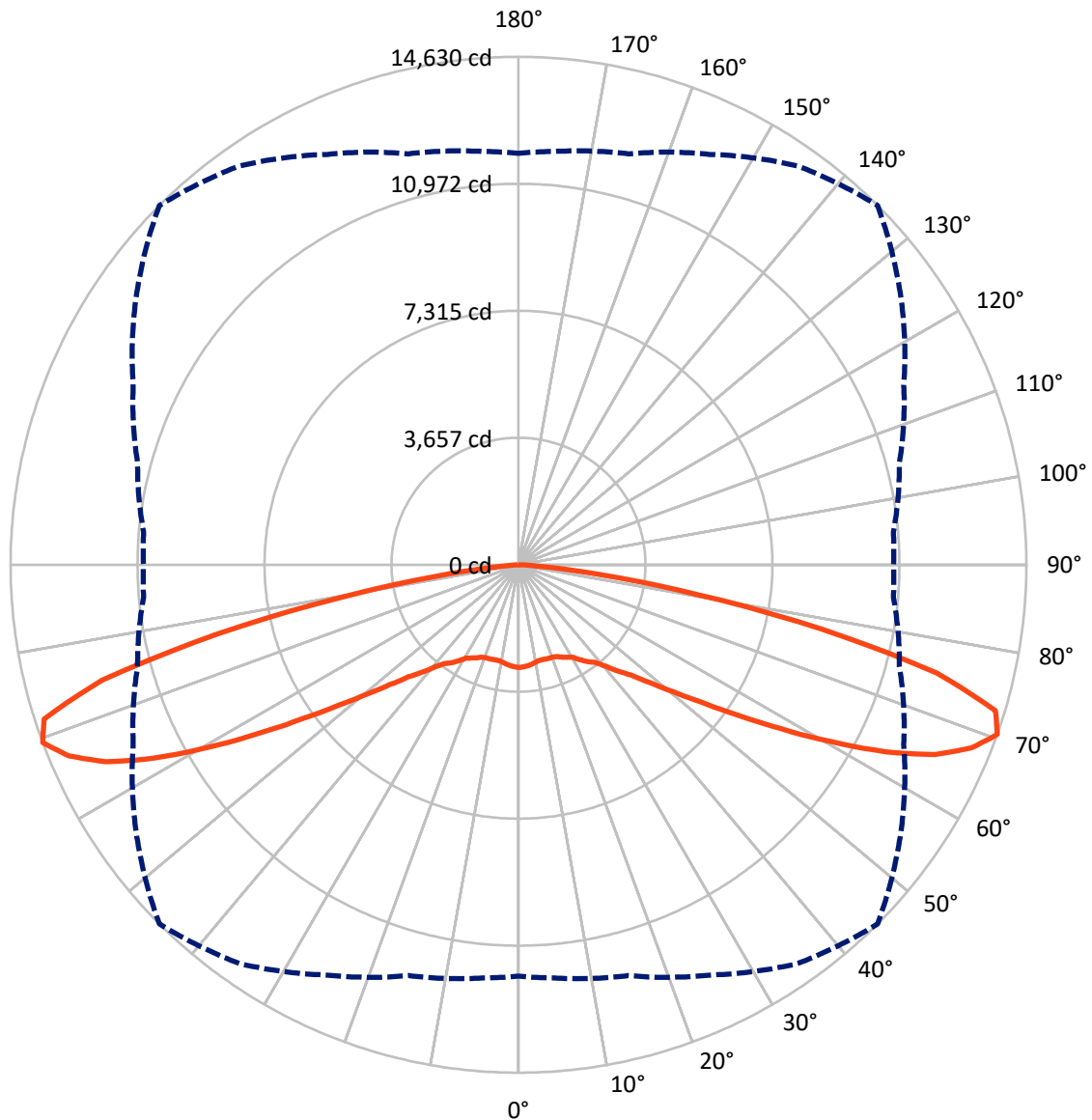
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

REPORT NUMBER: P316300
CATALOG NUMBER: GLEON-SA6D-827-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316300
 CATALOG NUMBER: GLEON-SA6D-827-U-5WQ

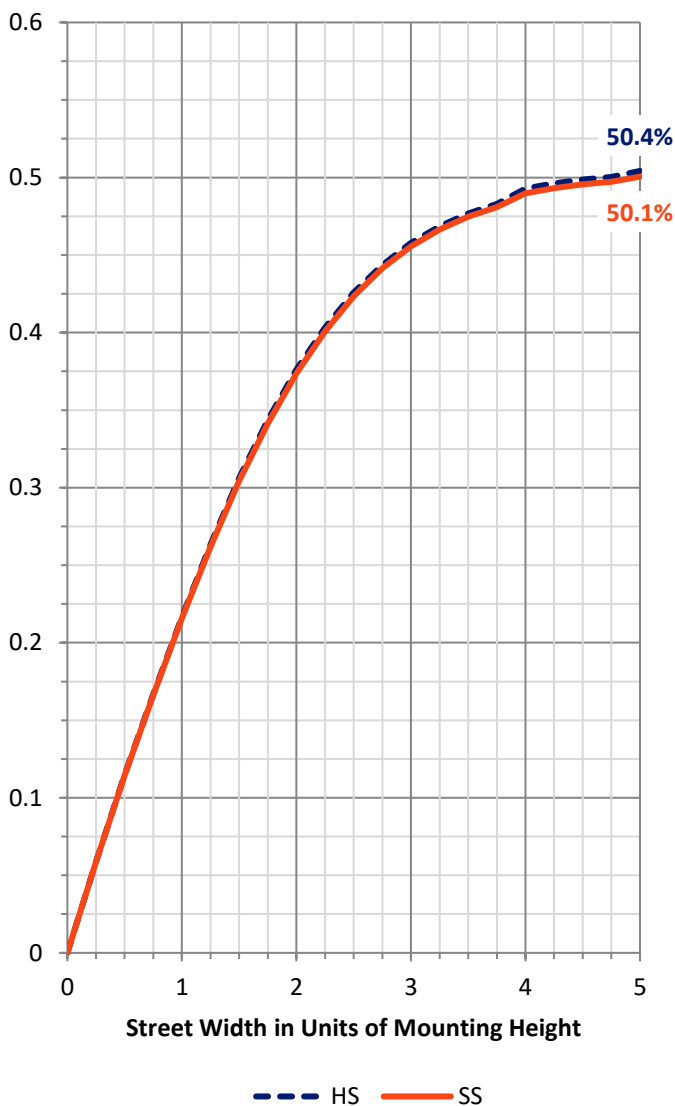
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17966.5	0.0	17966.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17966.5	0.0	17966.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35933.0	0.0	35933.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.0	0.8
10°-20°	806.2	2.2
20°-30°	1374.6	3.8
30°-40°	2147.9	6.0
40°-50°	3640.2	10.1
50°-60°	6638.1	18.5
60°-70°	11428.0	31.8
70°-80°	8957.7	24.9
80°-90°	664.2	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°	35933.0	100.0
0°-180°	35933.0	100.0

Coefficient of Utilization

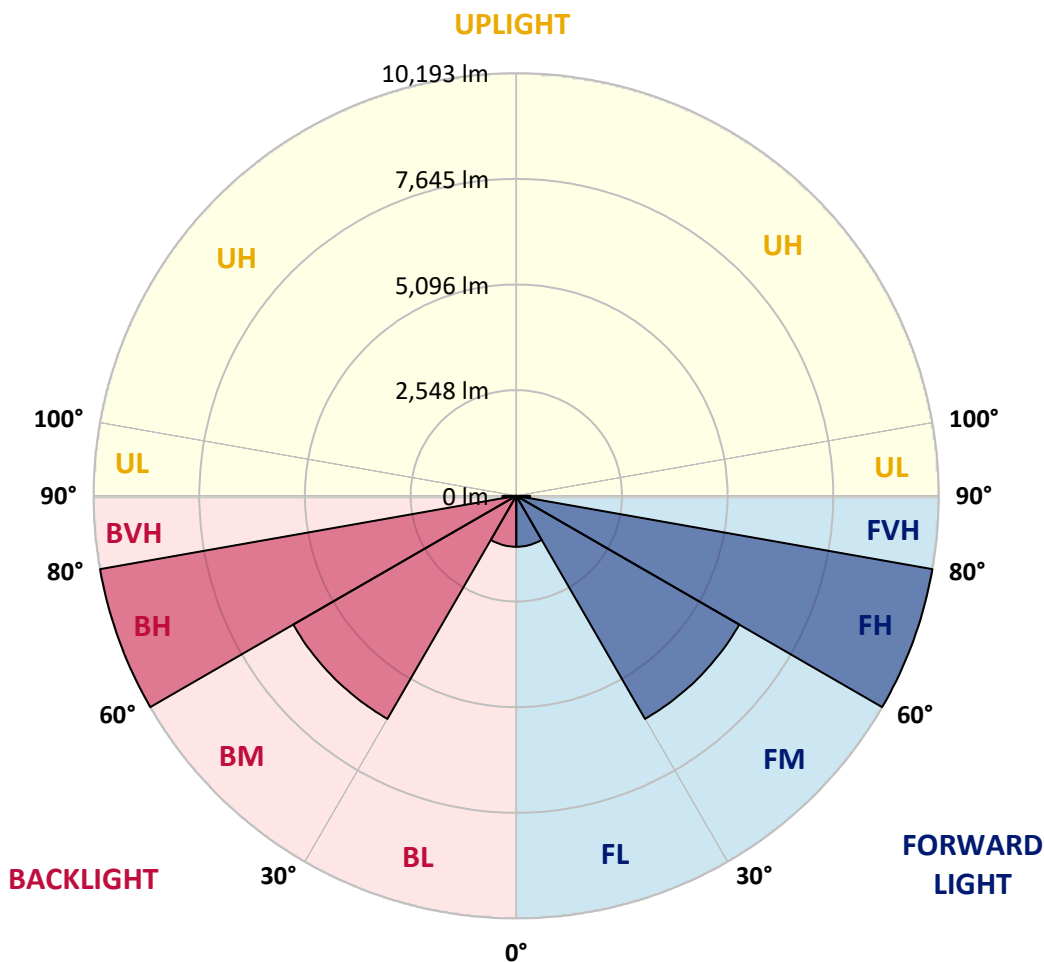


REPORT NUMBER: P316300
 CATALOG NUMBER: GLEON-SA6D-827-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1228.4	3.4			
FM (30°-60°)	6213.1	17.3			
FH (60°-80°)	10192.9	28.4			G4/12000
FVH (80°-90°)	332.1	0.9			G3/500
BL (0°-30°)	1228.4	3.4	B3/2500		
BM (30°-60°)	6213.1	17.3	B4/8500		
BH (60°-80°)	10192.9	28.4	B5		G4/12000
BVH (80°-90°)	332.1	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





REPORT NUMBER: P316300

CATALOG NUMBER: GLEON-SA6D-827-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2957.3	2957.3	2957.3	2957.3	2957.3	2957.3	2957.3	2957.3	2957.3	2957.3	2957.3
2.5°	2944.2	2947.8	2944.2	2946.6	2940.7	2943.0	2943.0	2943.0	2941.8	2943.0	2940.7
5°	2918.1	2920.4	2915.7	2918.1	2914.5	2918.1	2919.3	2918.1	2915.7	2916.9	2912.1
7.5°	2878.8	2881.2	2877.7	2881.2	2876.5	2882.4	2881.2	2877.7	2874.1	2874.1	2869.3
10°	2857.4	2858.6	2849.1	2845.6	2834.9	2837.2	2840.8	2844.4	2847.9	2855.1	2853.9
12.5°	2858.6	2858.6	2844.4	2828.9	2813.5	2817.0	2823.0	2836.1	2850.3	2863.4	2864.6
15°	2870.5	2869.3	2847.9	2823.0	2812.3	2823.0	2826.5	2834.9	2857.4	2880.0	2881.2
17.5°	2878.8	2878.8	2845.6	2817.0	2815.8	2832.5	2831.3	2834.9	2859.8	2893.1	2894.3
20°	2894.3	2894.3	2851.5	2820.6	2820.6	2838.4	2839.6	2845.6	2870.5	2907.4	2913.3
22.5°	2928.8	2930.0	2884.8	2859.8	2862.2	2872.9	2876.5	2886.0	2908.6	2949.0	2956.1
25°	2977.5	2979.9	2933.5	2919.3	2927.6	2947.8	2945.4	2952.5	2977.5	3016.7	3023.9
27.5°	3045.2	3039.3	2996.5	2990.6	2998.9	3013.2	3012.0	3013.2	3033.4	3069.0	3077.3
30°	3133.2	3130.8	3099.9	3103.5	3099.9	3095.2	3096.4	3105.9	3116.6	3145.1	3153.4
32.5°	3218.8	3221.2	3202.1	3220.0	3246.1	3264.0	3236.6	3210.5	3198.6	3214.0	3221.2
35°	3373.3	3379.3	3349.5	3337.6	3373.3	3425.6	3348.3	3305.6	3329.3	3349.5	3355.5
37.5°	3636.0	3639.6	3589.6	3542.1	3515.9	3565.9	3488.6	3492.2	3575.4	3613.4	3612.2
40°	3935.5	3936.7	3903.4	3861.8	3816.7	3828.6	3797.6	3807.2	3861.8	3896.3	3905.8
42.5°	4292.1	4288.5	4236.2	4176.8	4163.7	4175.6	4123.3	4116.2	4179.2	4241.0	4242.2
45°	4754.5	4746.2	4678.4	4613.0	4550.0	4523.9	4510.8	4545.3	4632.1	4689.1	4690.3
47.5°	5252.5	5229.9	5194.3	5142.0	5087.3	5061.2	5039.8	5056.4	5119.4	5142.0	5144.4
50°	5764.8	5769.6	5776.7	5756.5	5736.3	5728.0	5672.1	5640.0	5659.0	5617.4	5611.5
52.5°	6372.2	6381.7	6450.7	6508.9	6543.4	6561.2	6455.4	6344.9	6283.1	6202.2	6178.5
55°	7088.9	7104.4	7205.4	7367.1	7533.5	7621.4	7430.1	7223.3	7031.9	6880.9	6832.2
57.5°	7887.7	7915.0	8054.1	8364.3	8705.5	8913.5	8590.2	8214.6	7844.9	7627.4	7589.3
60°	8824.3	8850.5	9043.0	9487.6	10040.3	10352.9	9863.2	9248.7	8788.7	8580.7	8510.5
62.5°	9939.3	9941.6	10178.2	10697.6	11427.4	11862.4	11199.2	10377.9	9903.6	9652.8	9585.0
65°	11138.6	11144.5	11389.4	11950.4	12705.2	13178.2	12429.4	11573.6	10993.6	10623.9	10571.6
67.5°	11986.1	12011.0	12269.0	12944.1	13650.1	14076.8	13301.9	12334.3	11663.9	11223.0	11179.0
70°	11850.6	11948.0	12251.1	13039.2	14021.0	14629.6	13443.3	12244.0	11359.7	10839.0	10802.2
72.5°	10335.1	10521.7	10925.8	11959.9	13530.1	14368.1	12671.9	10966.2	9965.4	9522.0	9455.5
75°	7037.8	7340.9	7950.7	9442.4	11559.3	12440.1	10667.9	8743.5	7802.1	7188.8	7143.6
77.5°	3138.0	3206.9	3979.5	5697.1	7976.8	8933.7	7751.0	5719.6	4293.3	3424.4	3241.4
80°	874.8	885.5	1181.5	2121.7	3992.6	5249.0	4286.2	2228.7	1252.8	883.1	832.0
82.5°	278.1	301.9	368.5	550.3	1342.0	2395.1	1377.6	594.3	423.1	337.6	304.3
85°	135.5	134.3	186.6	223.5	342.3	530.1	364.9	275.8	241.3	160.5	145.0
87.5°	57.1	58.2	86.8	78.4	99.8	85.6	117.7	123.6	129.6	71.3	61.8
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)