

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: P316609

Luminaire Tested: **GLEON-SA5C-827-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316609
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-SA5C-827-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27300 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

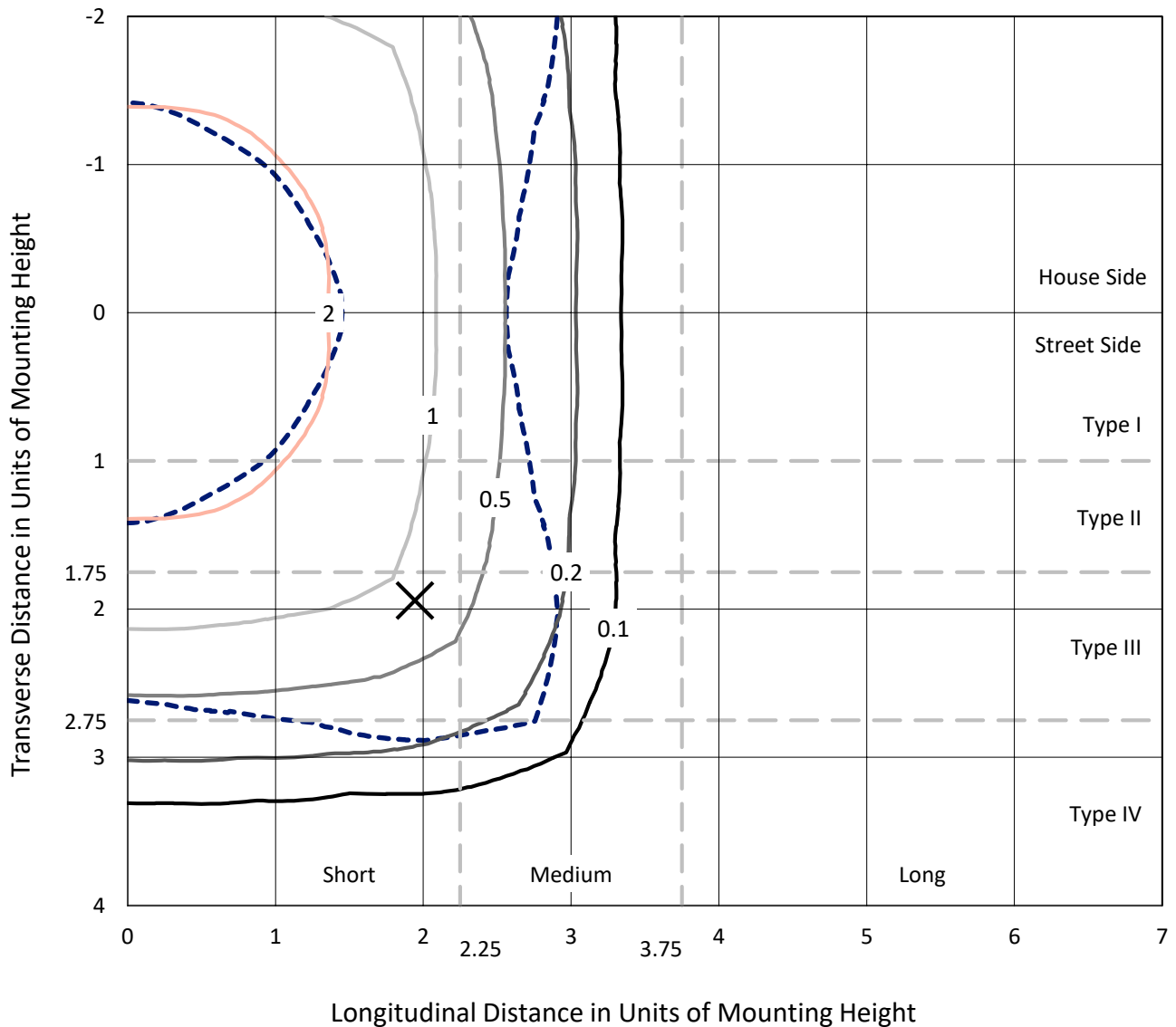
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

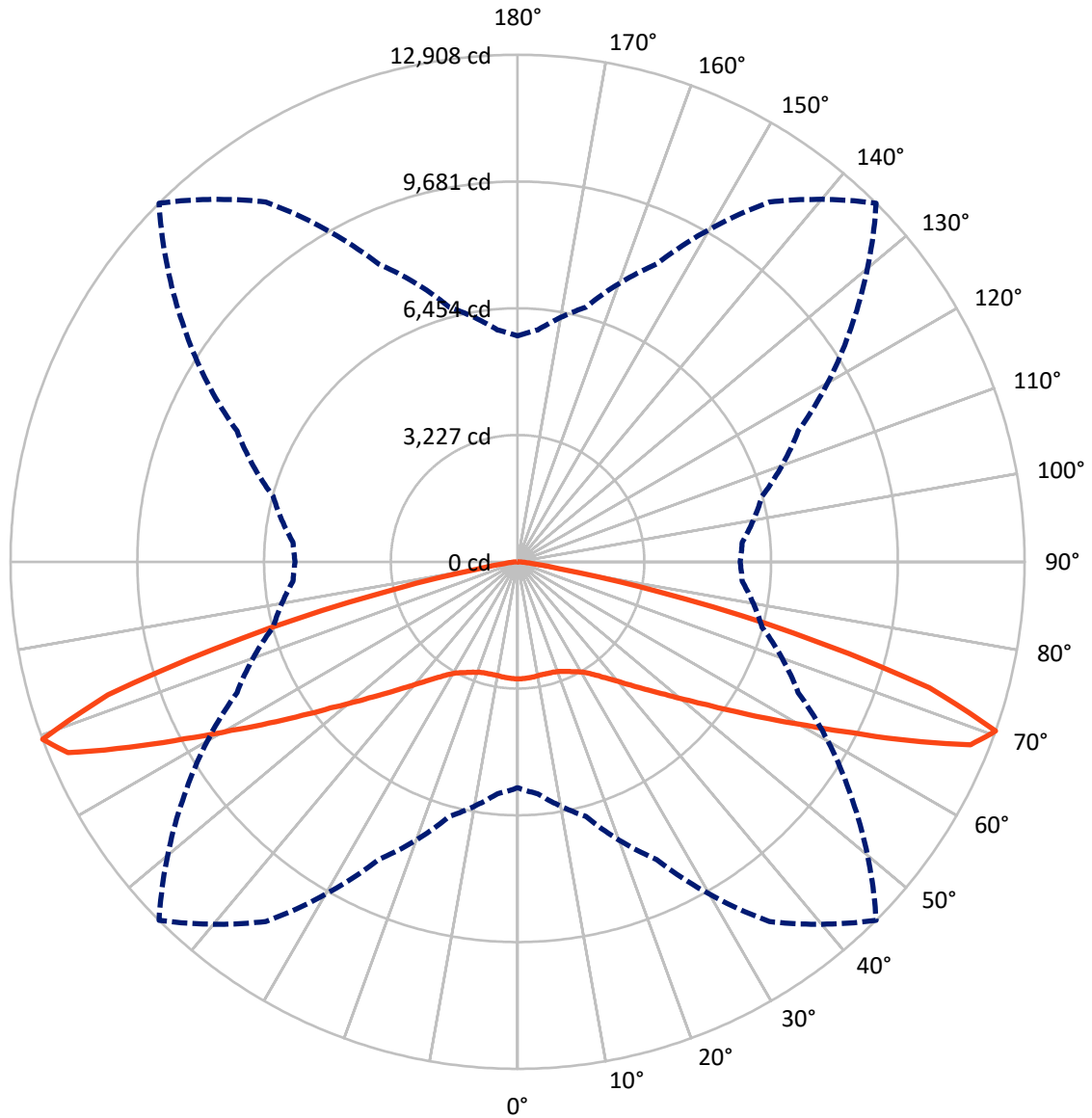
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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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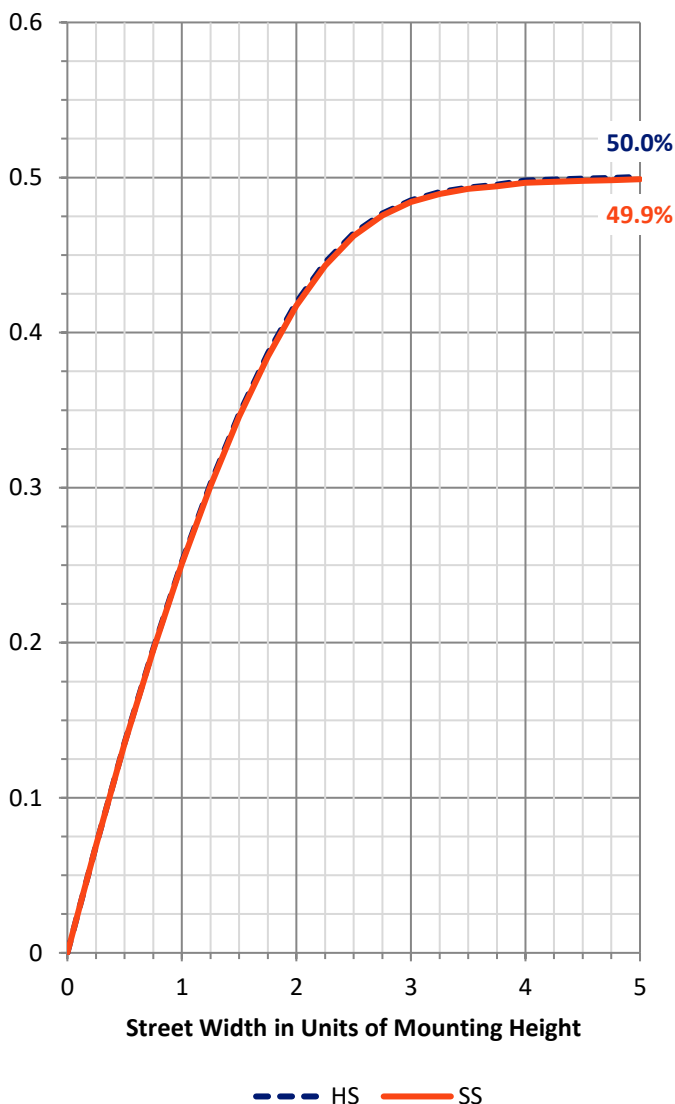
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13650.0	0.0	13650.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13650.0	0.0	13650.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27300.0	0.0	27300.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.4	1.0
10°-20°	829.0	3.0
20°-30°	1411.3	5.2
30°-40°	2238.2	8.2
40°-50°	3642.3	13.3
50°-60°	6005.5	22.0
60°-70°	8816.2	32.3
70°-80°	3898.5	14.3
80°-90°	176.5	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°	27300.0	100.0
0°-180°	27300.0	100.0

Coefficient of Utilization

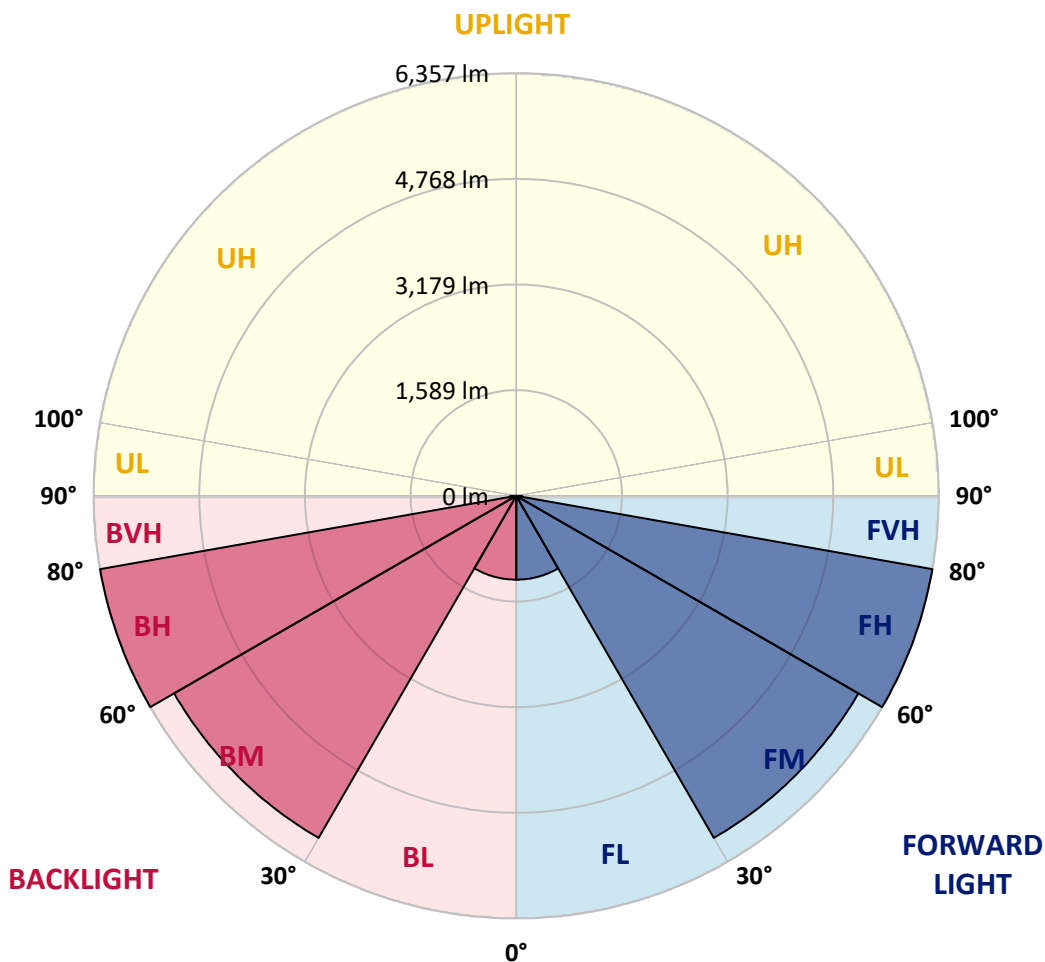


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1261.3	4.6			
FM (30°-60°)	5943.0	21.8			
FH (60°-80°)	6357.4	23.3			G3/7500
FVH (80°-90°)	88.3	0.3			G1/100
BL (0°-30°)	1261.3	4.6	B3/2500		
BM (30°-60°)	5943.0	21.8	B4/8500		
BH (60°-80°)	6357.4	23.3	B5		G3/7500
BVH (80°-90°)	88.3	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°	2981.6	2981.6	2981.6	2981.6	2981.6	2981.6	2981.6	2981.6	2981.6	2981.6	2981.6
2.5°	2977.1	2974.4	2980.7	2979.8	2974.4	2975.3	2975.3	2978.0	2978.0	2976.2	2976.2
5°	2966.2	2964.4	2971.6	2971.6	2966.2	2968.0	2969.8	2972.5	2971.6	2969.8	2968.9
7.5°	2952.7	2951.8	2959.0	2959.0	2955.4	2957.2	2955.4	2956.3	2954.5	2952.7	2950.0
10°	2930.1	2931.9	2938.2	2940.0	2940.0	2940.9	2939.1	2934.6	2931.9	2929.2	2926.5
12.5°	2909.3	2908.4	2917.4	2922.0	2929.2	2937.3	2931.9	2919.2	2913.8	2908.4	2906.6
15°	2895.8	2896.7	2905.7	2913.8	2926.5	2943.6	2937.3	2917.4	2906.6	2900.3	2898.5
17.5°	2893.0	2894.8	2906.6	2921.0	2934.6	2953.6	2950.0	2930.1	2912.0	2900.3	2897.6
20°	2899.4	2900.3	2918.3	2939.1	2962.6	2980.7	2972.5	2950.9	2926.5	2908.4	2903.9
22.5°	2911.1	2914.7	2937.3	2969.8	3006.0	3030.4	3020.4	2983.4	2945.4	2922.9	2916.5
25°	2948.2	2949.1	2979.8	3024.0	3067.4	3095.4	3083.7	3031.3	2982.5	2957.2	2949.1
27.5°	3025.0	3027.7	3058.4	3109.9	3146.9	3165.0	3157.8	3115.3	3073.7	3046.6	3049.3
30°	3136.1	3139.7	3174.0	3231.0	3253.5	3258.1	3256.3	3236.4	3198.4	3162.3	3165.0
32.5°	3271.6	3273.4	3319.5	3371.0	3389.1	3392.7	3389.1	3371.0	3325.8	3277.0	3279.7
35°	3446.0	3451.4	3495.7	3545.4	3559.8	3567.1	3560.7	3537.2	3490.3	3442.4	3440.6
37.5°	3661.0	3661.9	3708.0	3759.5	3777.6	3779.4	3772.2	3756.8	3698.1	3654.7	3652.0
40°	3910.4	3914.0	3968.2	4023.3	4030.6	4022.4	4032.4	4023.3	3962.8	3913.1	3921.2
42.5°	4214.0	4222.1	4287.2	4341.4	4320.6	4316.1	4322.4	4325.1	4276.3	4215.8	4210.4
45°	4567.2	4574.5	4655.8	4699.2	4685.6	4655.8	4668.4	4690.1	4622.4	4547.4	4554.6
47.5°	4970.2	4988.3	5075.0	5115.7	5082.2	5041.6	5066.0	5098.5	5019.0	4925.9	4921.4
50°	5418.4	5440.9	5556.6	5613.5	5580.1	5505.1	5545.7	5567.4	5452.7	5332.5	5322.6
52.5°	5896.3	5918.9	6064.4	6181.8	6160.1	6043.6	6100.5	6077.9	5946.0	5784.3	5771.6
55°	6437.5	6446.5	6603.8	6793.5	6815.2	6729.3	6725.7	6688.7	6493.5	6306.5	6297.5
57.5°	6994.1	7000.4	7203.7	7427.8	7529.9	7529.9	7428.7	7350.1	7090.8	6873.9	6851.3
60°	7594.9	7617.5	7842.5	8147.0	8385.5	8456.0	8277.1	8062.9	7781.0	7516.3	7490.1
62.5°	8129.8	8156.0	8500.2	8953.8	9336.9	9593.5	9156.2	8807.4	8294.2	7869.6	7819.9
65°	8197.6	8268.0	8769.5	9590.8	10448.2	10960.5	10122.0	9262.8	8327.7	7737.7	7687.1
67.5°	7486.5	7605.8	8283.4	9561.9	11333.6	12433.2	10739.1	9002.6	7727.7	7075.4	7019.4
70°	5752.7	5926.1	6707.7	8363.8	11180.9	12907.6	10352.4	7881.3	6442.9	5740.9	5662.3
72.5°	3156.0	3227.3	3930.3	5727.4	8963.7	10968.6	8634.9	5827.6	4272.7	3476.7	3344.8
75°	1001.1	1026.4	1384.2	2343.7	5070.5	7265.1	5485.2	2860.5	1574.8	1161.0	1147.5
77.5°	444.5	447.2	500.5	684.0	1746.5	3680.9	2098.0	778.8	536.7	468.9	484.3
80°	281.0	281.0	309.9	338.8	475.2	1068.9	567.4	370.4	316.2	293.6	300.0
82.5°	134.6	149.1	201.5	216.8	261.1	359.6	290.9	242.1	211.4	157.2	146.4
85°	88.5	74.1	127.4	143.7	151.8	172.6	169.0	159.9	138.2	78.6	87.6
87.5°	39.8	37.9	66.0	60.5	56.9	43.4	65.1	80.4	77.7	38.9	38.9
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)