

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: P317231

Luminaire Tested: **GLEON-SA7A-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA7A-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24770 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

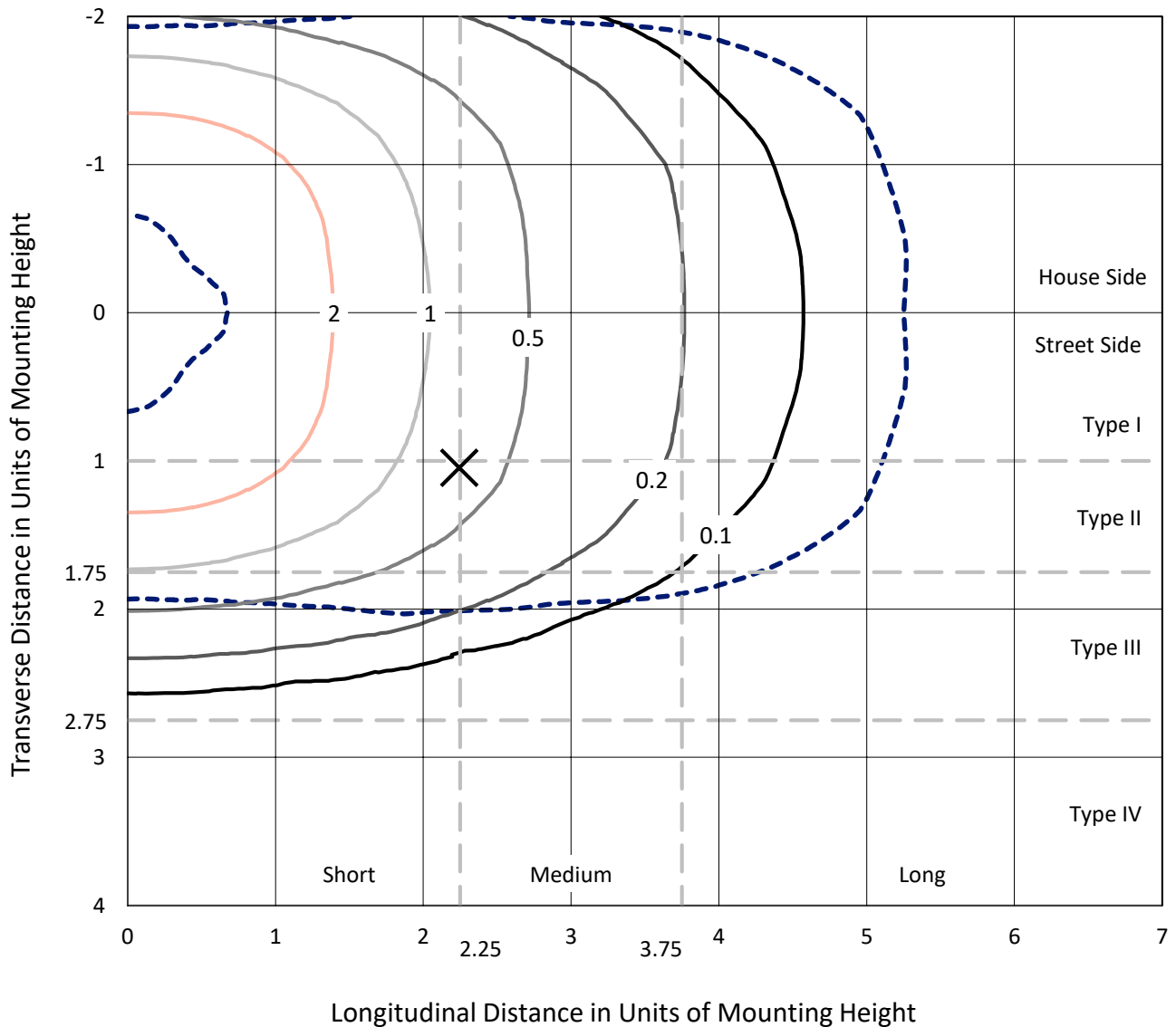
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

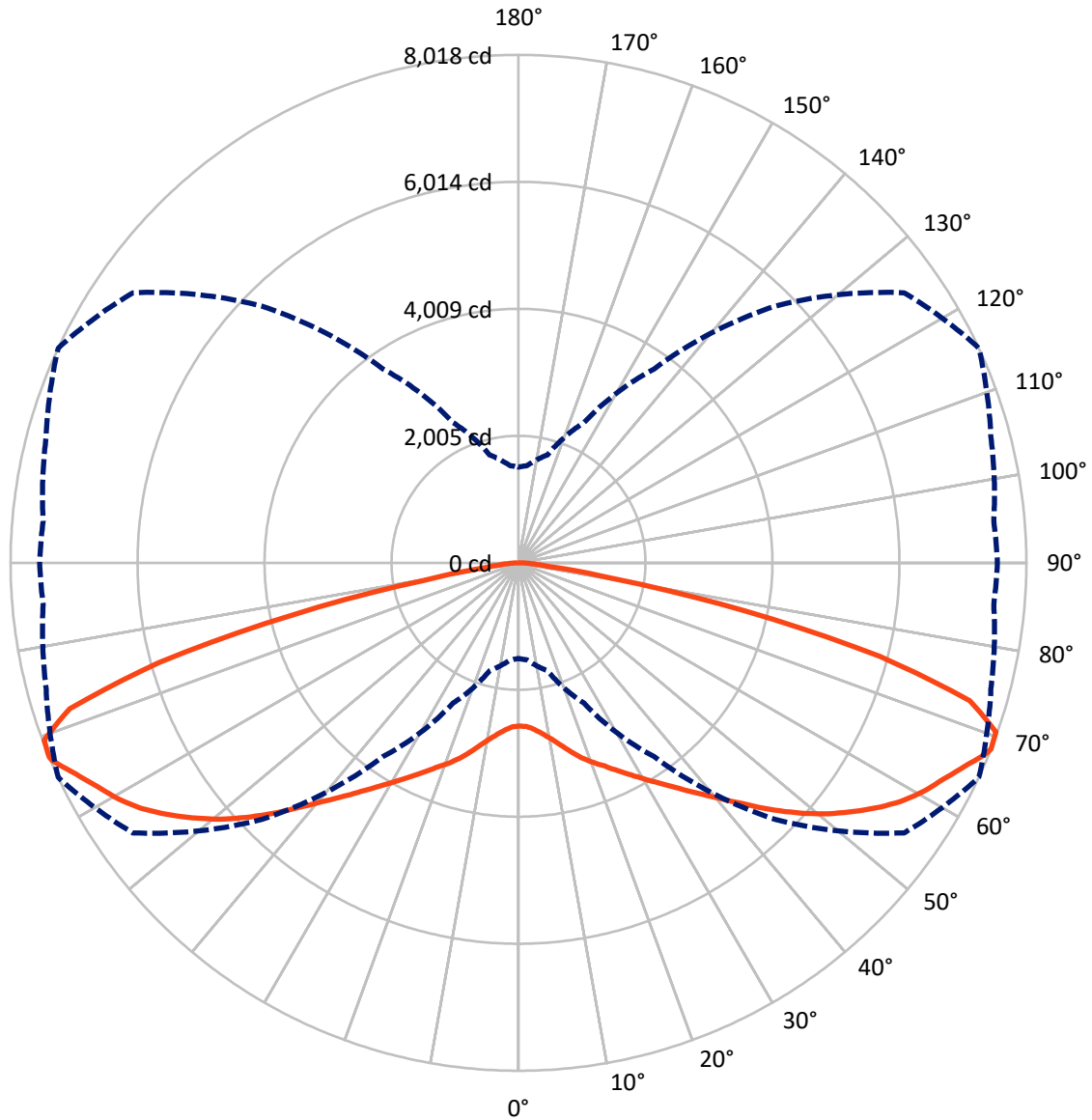
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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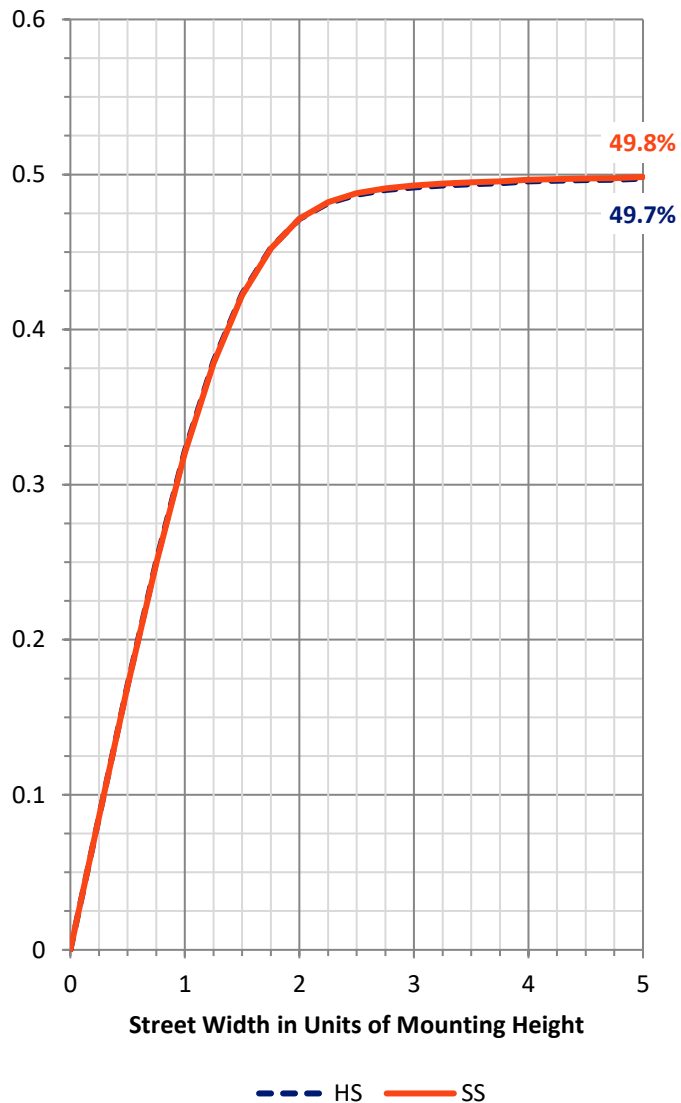
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12385.0	0.0	12385.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12385.0	0.0	12385.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24770.0	0.0	24770.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.2	1.0
10°-20°	844.3	3.4
20°-30°	1646.2	6.6
30°-40°	2765.6	11.2
40°-50°	4357.5	17.6
50°-60°	5827.5	23.5
60°-70°	5665.0	22.9
70°-80°	3096.8	12.5
80°-90°	315.0	1.3
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°	24770.0	100.0
0°-180°	24770.0	100.0

Coefficient of Utilization

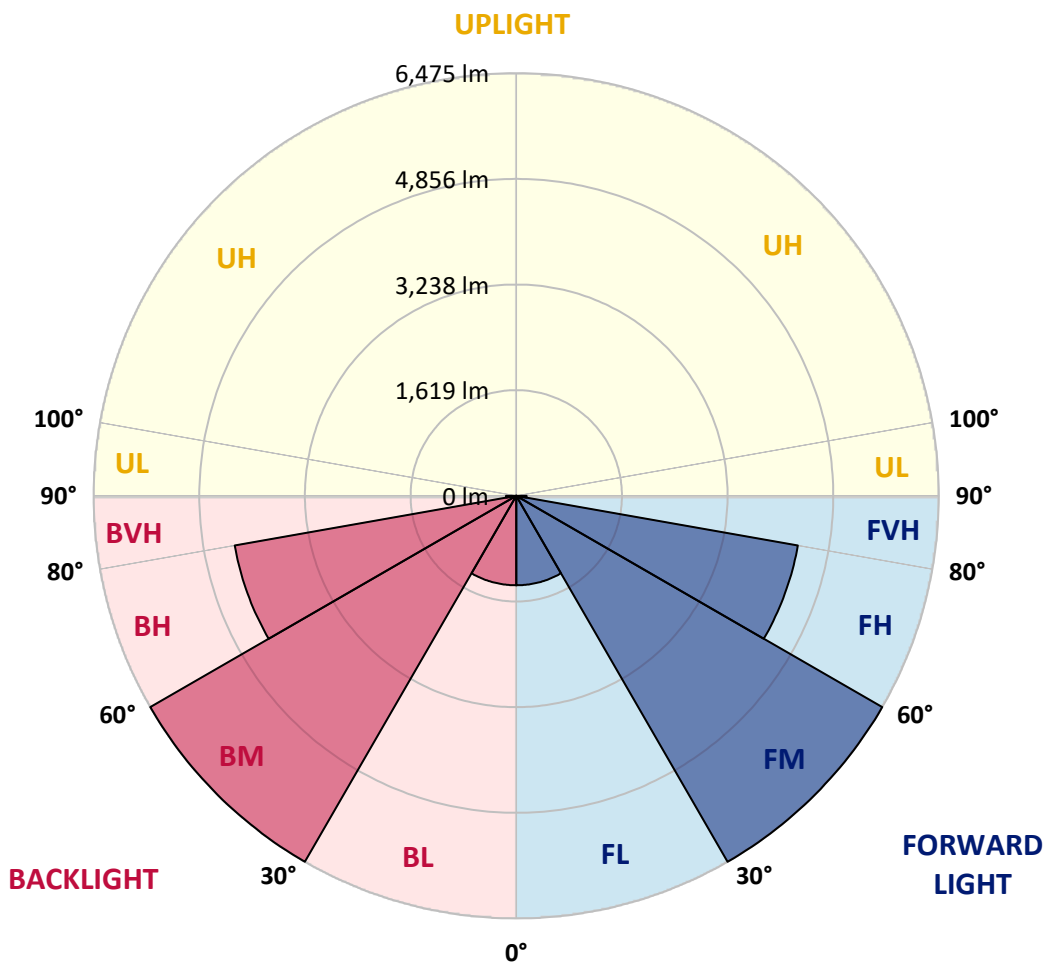


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1371.4	5.5			
FM (30°-60°)	6475.3	26.1			
FH (60°-80°)	4380.9	17.7			G2/5000
FVH (80°-90°)	157.5	0.6			G2/225
BL (0°-30°)	1371.4	5.5	B3/2500		
BM (30°-60°)	6475.3	26.1	B4/8500		
BH (60°-80°)	4380.9	17.7	B4/5000		G4/5000
BVH (80°-90°)	157.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2575.5	2575.5	2575.5	2575.5	2575.5	2575.5	2575.5	2575.5	2575.5	2575.5	2575.5
2.5°	2557.2	2558.1	2562.2	2567.2	2571.3	2582.1	2584.6	2588.8	2590.4	2594.6	2594.6
5°	2534.8	2536.5	2546.4	2559.7	2574.7	2601.2	2620.3	2641.9	2652.7	2664.4	2663.5
7.5°	2532.3	2536.5	2550.6	2572.2	2597.1	2641.1	2681.0	2724.2	2753.2	2779.8	2778.1
10°	2558.1	2564.7	2584.6	2617.0	2654.4	2709.2	2768.2	2826.3	2877.0	2917.7	2919.3
12.5°	2597.1	2605.4	2637.0	2686.0	2742.4	2813.0	2882.8	2948.4	3018.2	3078.8	3083.8
15°	2648.6	2659.4	2706.7	2779.8	2866.2	2950.1	3024.8	3092.1	3172.7	3256.5	3264.8
17.5°	2725.0	2739.9	2802.2	2901.1	3014.9	3107.0	3185.1	3235.8	3303.0	3389.4	3405.2
20°	2841.3	2860.4	2939.3	3057.2	3195.9	3292.3	3352.0	3362.8	3396.1	3473.3	3491.6
22.5°	2992.4	3009.0	3097.1	3237.4	3392.7	3497.4	3529.0	3485.8	3482.4	3544.7	3562.2
25°	3161.0	3176.0	3278.1	3435.9	3602.9	3718.3	3717.5	3633.6	3575.5	3623.6	3641.9
27.5°	3350.4	3373.6	3471.6	3637.8	3816.3	3930.1	3923.5	3793.9	3683.4	3695.9	3711.7
30°	3568.0	3593.7	3689.2	3857.8	4036.4	4147.7	4139.4	3968.3	3802.2	3769.0	3780.6
32.5°	3837.9	3868.6	3959.2	4125.3	4283.1	4383.6	4359.5	4157.7	3945.1	3872.8	3883.6
35°	4162.7	4180.9	4276.4	4440.1	4568.0	4636.9	4586.2	4376.9	4126.1	4038.9	4038.9
37.5°	4491.5	4505.7	4612.8	4771.4	4895.2	4931.7	4832.9	4617.0	4362.8	4239.1	4241.6
40°	4807.2	4845.4	4965.8	5128.6	5250.7	5260.6	5129.4	4891.0	4626.1	4498.2	4513.1
42.5°	5136.9	5174.2	5317.9	5502.3	5610.3	5626.9	5473.2	5198.3	4923.4	4819.6	4836.2
45°	5430.9	5460.8	5626.9	5841.2	5975.7	6018.9	5837.0	5550.5	5244.8	5143.5	5147.7
47.5°	5636.0	5675.1	5857.8	6110.3	6306.3	6372.7	6194.1	5893.5	5561.3	5438.4	5449.2
50°	5822.1	5842.8	6028.0	6303.8	6552.9	6690.0	6537.2	6232.4	5881.0	5750.6	5762.3
52.5°	5925.9	5952.5	6131.9	6419.2	6714.1	6935.0	6842.0	6537.2	6190.0	6062.9	6077.0
55°	5853.6	5873.6	6088.7	6445.0	6813.7	7086.1	7100.3	6835.3	6493.1	6381.9	6421.7
57.5°	5524.7	5549.7	5812.1	6278.9	6826.2	7188.3	7294.6	7111.9	6776.4	6685.8	6709.1
60°	5010.6	5026.4	5306.3	5831.2	6583.7	7230.7	7418.4	7337.8	7053.8	6963.2	6994.8
62.5°	4094.6	4117.8	4452.5	5156.0	6071.2	7105.2	7538.0	7524.7	7312.1	7229.0	7257.2
65°	2798.9	2839.6	3210.0	4099.5	5281.4	6721.5	7646.8	7742.3	7540.5	7435.8	7473.2
67.5°	1690.1	1720.0	1988.3	2706.7	4041.4	5947.5	7534.6	7989.8	7701.6	7533.0	7563.7
68°	1510.7	1538.2	1762.4	2442.6	3738.2	5729.0	7432.5	8018.0	7719.0	7531.3	7558.7
70°	912.8	931.0	1081.4	1509.9	2492.4	4544.7	6735.7	7994.8	7830.3	7554.6	7570.4
72.5°	594.7	600.5	625.4	774.9	1273.2	2541.4	5055.5	7449.9	7997.2	7689.9	7687.5
75°	494.2	490.8	493.3	510.8	627.9	1114.6	2954.2	5885.2	7623.5	7476.5	7424.2
77.5°	417.8	415.3	414.4	415.3	420.3	538.2	1282.4	3666.0	5833.7	6613.6	6660.1
80°	338.0	334.7	345.5	340.5	325.6	334.7	537.4	1524.9	2749.9	2958.4	2772.3
82.5°	245.8	233.4	279.9	266.6	254.1	235.9	296.5	492.5	656.1	450.2	316.4
85°	189.4	176.1	212.6	204.3	174.4	120.4	176.1	240.9	265.8	152.0	119.6
87.5°	77.2	81.4	153.6	121.3	102.2	58.1	72.3	96.3	129.6	64.8	49.8
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)