

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: P383107

Luminaire Tested: **GLEON-SA4C-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383107
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-SA4C-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27168.6 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

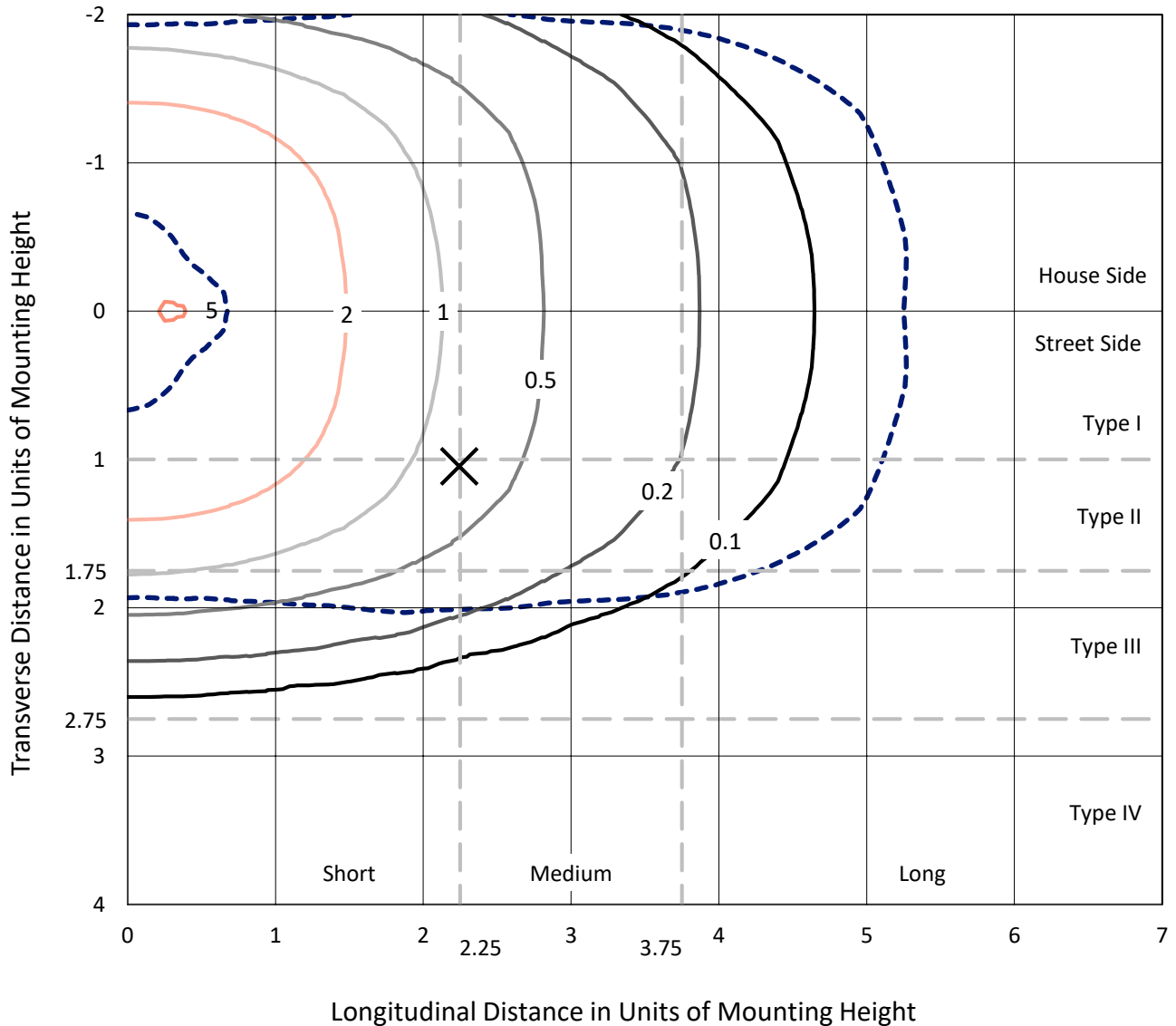
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

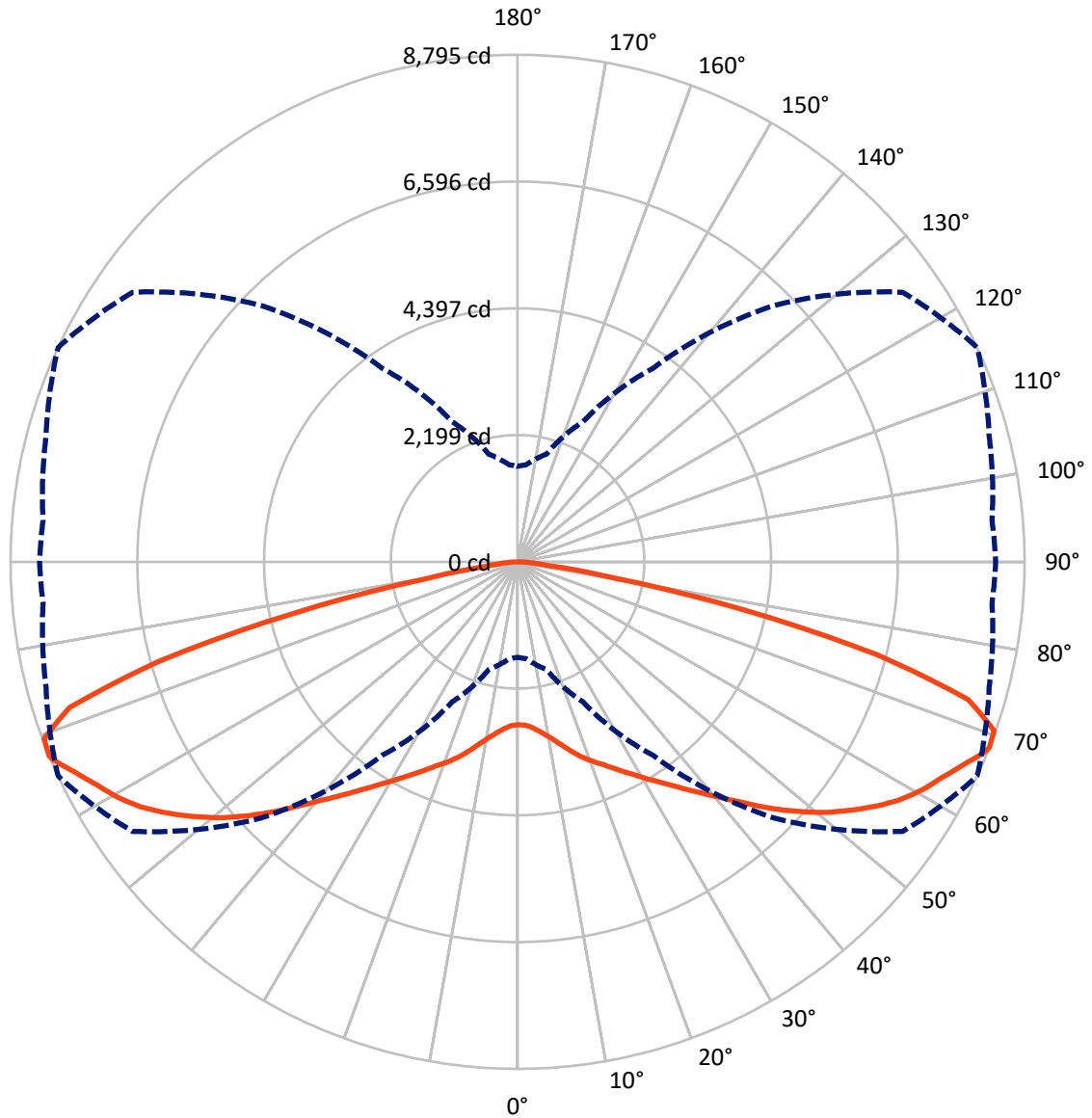
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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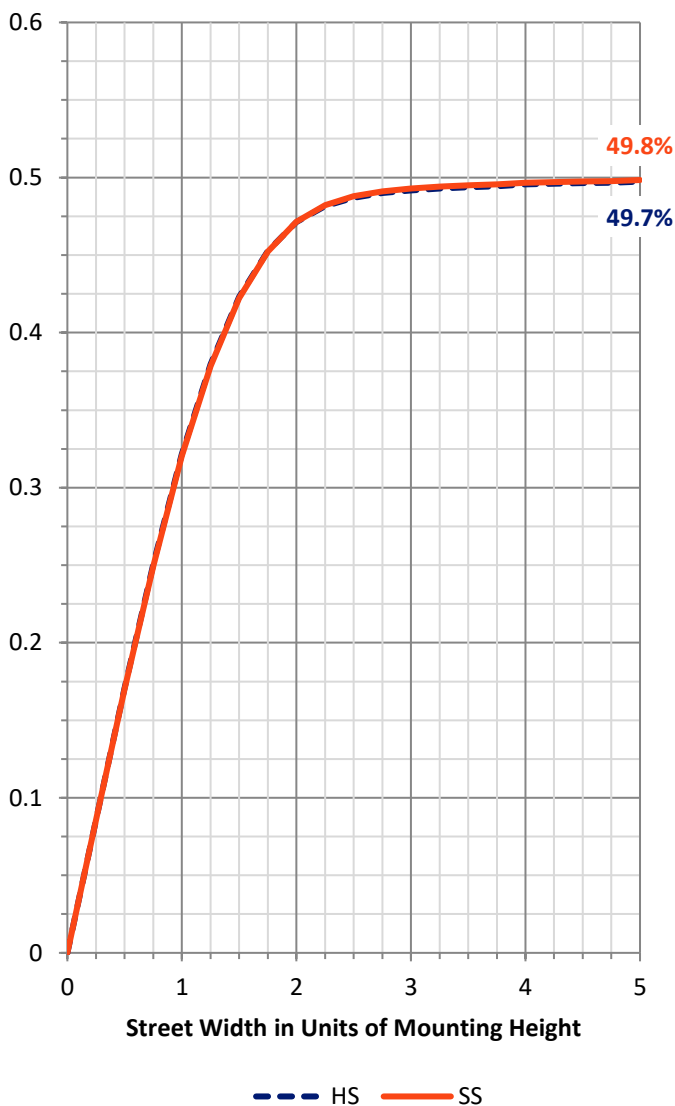
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13584.3	0.0	13584.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13584.3	0.0	13584.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	27168.6	0.0	27168.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.6	1.0
10°-20°	926.1	3.4
20°-30°	1805.7	6.6
30°-40°	3033.4	11.2
40°-50°	4779.5	17.6
50°-60°	6391.7	23.5
60°-70°	6213.6	22.9
70°-80°	3396.7	12.5
80°-90°	345.4	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°	27168.6	100.0
0°-180°	27168.6	100.0

Coefficient of Utilization

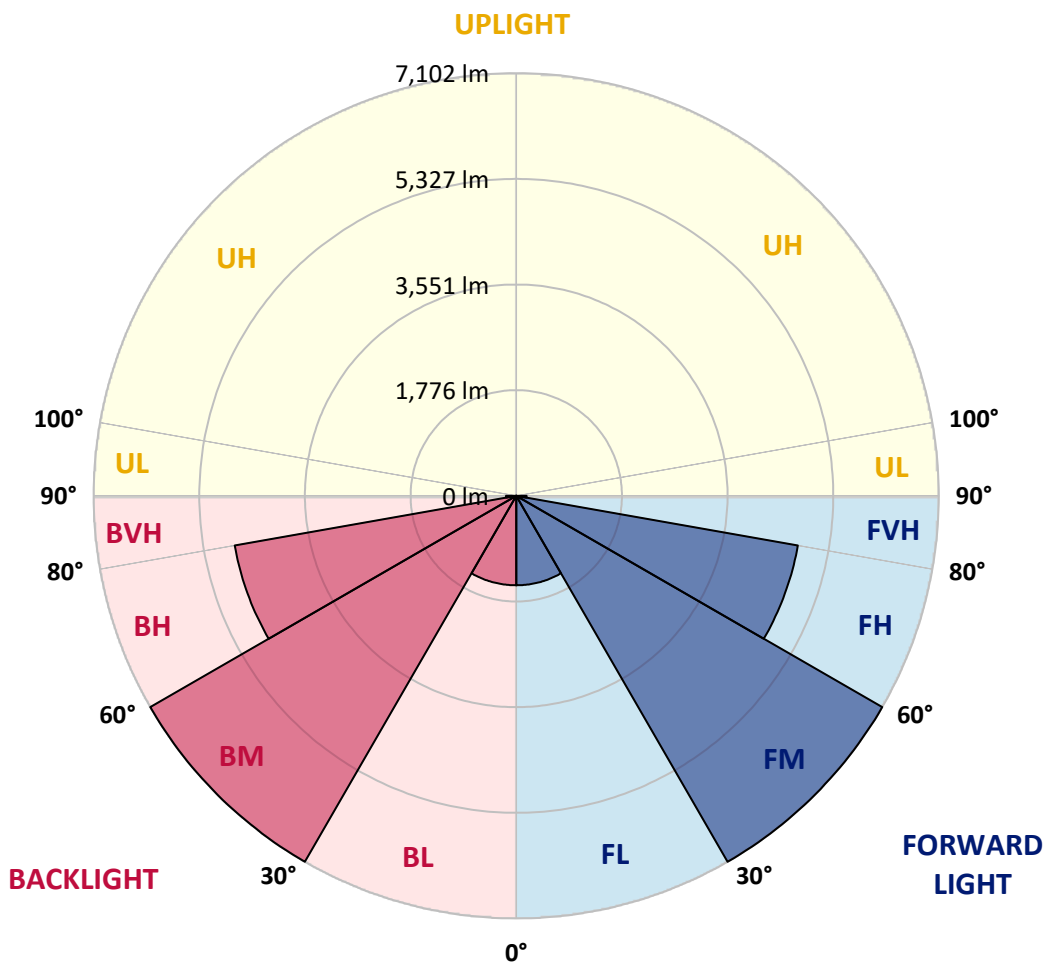


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1504.2	5.5			
FM (30°-60°)	7102.3	26.1			
FH (60°-80°)	4805.1	17.7			G2/5000
FVH (80°-90°)	172.7	0.6			G2/225
BL (0°-30°)	1504.2	5.5	B3/2500		
BM (30°-60°)	7102.3	26.1	B4/8500		
BH (60°-80°)	4805.1	17.7	B4/5000		G4/5000
BVH (80°-90°)	172.7	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°	2824.9	2824.9	2824.9	2824.9	2824.9	2824.9	2824.9	2824.9	2824.9	2824.9	2824.9
2.5°	2804.9	2805.7	2810.3	2815.8	2820.4	2832.2	2834.9	2839.5	2841.3	2845.9	2845.9
5°	2780.3	2782.1	2793.0	2807.6	2824.0	2853.1	2874.1	2897.8	2909.6	2922.4	2921.4
7.5°	2777.5	2782.1	2797.5	2821.3	2848.6	2896.8	2940.6	2987.9	3019.8	3049.0	3047.2
10°	2805.7	2813.1	2834.9	2870.5	2911.5	2971.5	3036.2	3100.0	3155.6	3200.2	3202.0
12.5°	2848.6	2857.7	2892.3	2946.0	3008.0	3085.5	3162.0	3234.0	3310.4	3377.0	3382.4
15°	2905.0	2916.9	2968.8	3049.0	3143.7	3235.7	3317.7	3391.5	3479.9	3571.9	3581.0
17.5°	2988.9	3005.3	3073.5	3182.0	3306.8	3407.9	3493.6	3549.1	3622.9	3717.6	3734.9
20°	3116.4	3137.4	3223.9	3353.3	3505.4	3611.1	3676.6	3688.5	3724.9	3809.7	3829.7
22.5°	3282.2	3300.4	3397.0	3551.0	3721.3	3836.0	3870.7	3823.4	3819.6	3888.0	3907.1
25°	3467.1	3483.5	3595.6	3768.7	3951.7	4078.4	4077.5	3985.4	3921.7	3974.5	3994.6
27.5°	3674.9	3700.3	3807.8	3990.0	4185.9	4310.6	4303.4	4161.3	4040.1	4053.8	4071.0
30°	3913.5	3941.8	4046.5	4231.5	4427.3	4549.3	4540.3	4352.6	4170.4	4133.9	4146.7
32.5°	4209.6	4243.3	4342.6	4524.7	4697.8	4808.1	4781.6	4560.3	4327.0	4247.9	4259.7
35°	4565.7	4585.8	4690.5	4870.0	5010.3	5085.9	5030.4	4800.7	4525.6	4430.0	4430.0
37.5°	4926.5	4942.0	5059.5	5233.4	5369.3	5409.3	5300.9	5064.1	4785.3	4649.5	4652.2
40°	5272.7	5314.6	5446.7	5625.2	5759.1	5770.0	5626.1	5364.7	5074.0	4933.8	4950.2
42.5°	5634.3	5675.3	5832.9	6035.1	6153.5	6171.8	6003.3	5701.7	5400.2	5286.3	5304.5
45°	5956.8	5989.6	6171.8	6406.8	6554.4	6601.8	6402.2	6087.9	5752.8	5641.5	5646.1
47.5°	6181.7	6224.6	6425.0	6701.9	6916.9	6989.8	6794.0	6464.2	6099.8	5965.0	5976.8
50°	6385.9	6408.6	6611.8	6914.2	7187.4	7337.8	7170.2	6835.9	6450.5	6307.5	6320.3
52.5°	6499.7	6528.8	6725.6	7040.8	7364.3	7606.6	7504.5	7170.2	6789.4	6650.0	6665.5
55°	6420.5	6442.3	6678.3	7069.0	7473.5	7772.4	7787.8	7497.2	7121.9	6999.8	7043.5
57.5°	6059.7	6087.0	6375.0	6886.8	7487.2	7884.3	8001.0	7800.6	7432.5	7333.2	7358.8
60°	5495.9	5513.2	5820.1	6395.8	7221.2	7930.8	8136.7	8048.4	7736.8	7637.5	7672.1
62.5°	4491.1	4516.5	4883.6	5655.2	6659.2	7793.3	8267.9	8253.3	8020.1	7929.1	7960.0
65°	3069.9	3114.5	3520.9	4496.5	5792.8	7372.5	8387.2	8492.0	8270.7	8155.9	8196.9
67.5°	1853.8	1886.6	2180.8	2968.8	4432.8	6523.4	8264.2	8763.4	8447.4	8262.5	8296.2
68°	1657.0	1687.1	1933.1	2679.1	4100.2	6283.8	8152.2	8794.5	8466.5	8260.6	8290.7
70°	1001.1	1021.2	1186.0	1656.1	2733.8	4984.8	7387.9	8768.9	8588.6	8286.1	8303.4
72.5°	652.3	658.6	686.0	849.9	1396.5	2787.6	5545.0	8171.3	8771.6	8434.6	8431.9
75°	542.1	538.3	541.1	560.2	688.7	1222.5	3240.3	6455.1	8361.8	8200.5	8143.1
77.5°	458.2	455.5	454.6	455.5	460.9	590.3	1406.5	4021.0	6398.6	7254.0	7305.0
80°	370.8	367.1	379.0	373.5	357.1	367.1	589.4	1672.5	3016.2	3244.9	3040.8
82.5°	269.7	256.0	307.0	292.4	278.7	258.7	325.2	540.2	719.6	493.7	347.1
85°	207.7	193.1	233.2	224.1	191.3	132.1	193.1	264.2	291.5	166.7	131.2
87.5°	84.7	89.2	168.5	133.0	112.1	63.8	79.3	105.6	142.2	71.1	54.7
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)