

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: P382600

Luminaire Tested: **GLEON-SA0A-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382600
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-SA0A-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45260.1 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

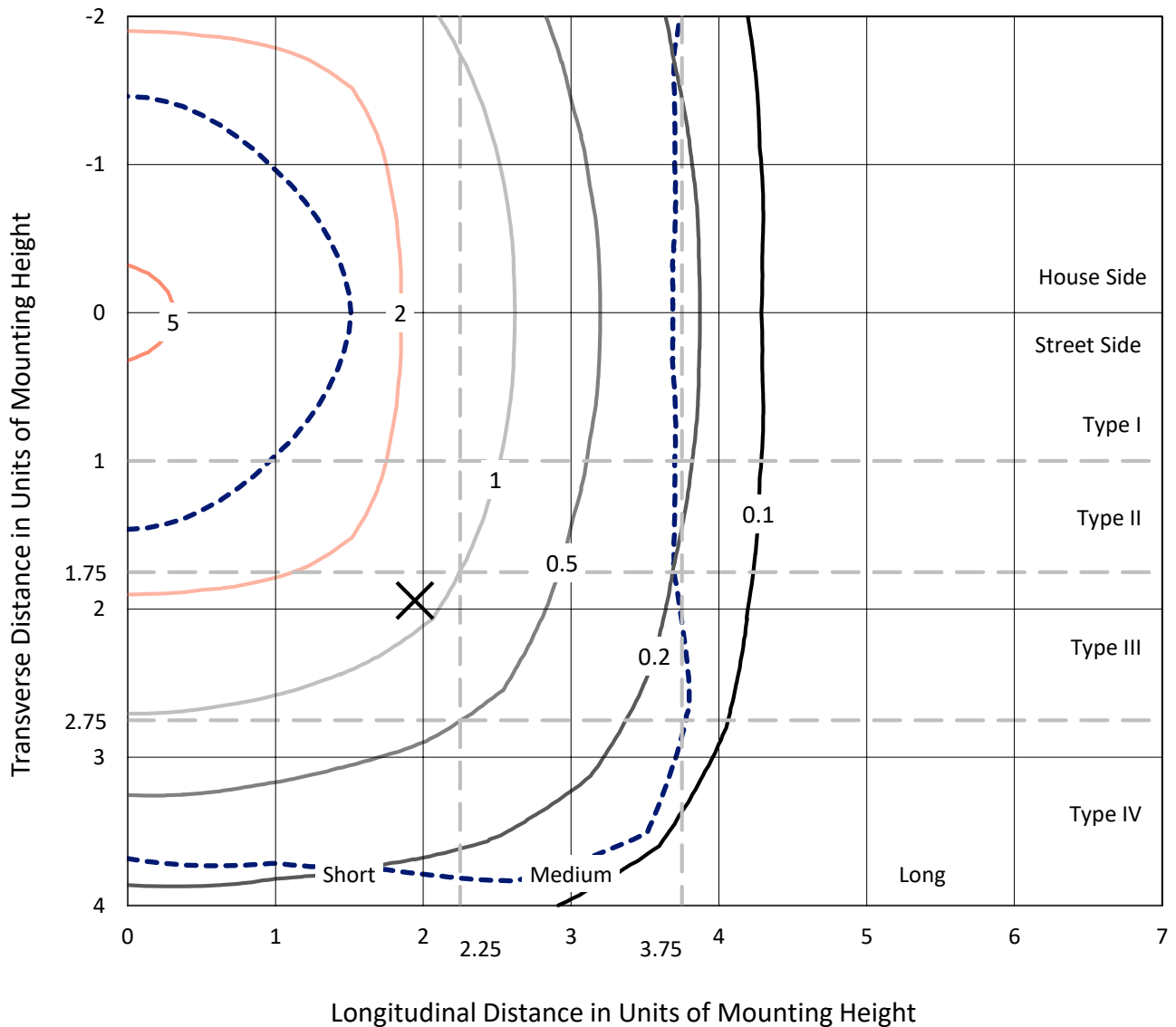
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

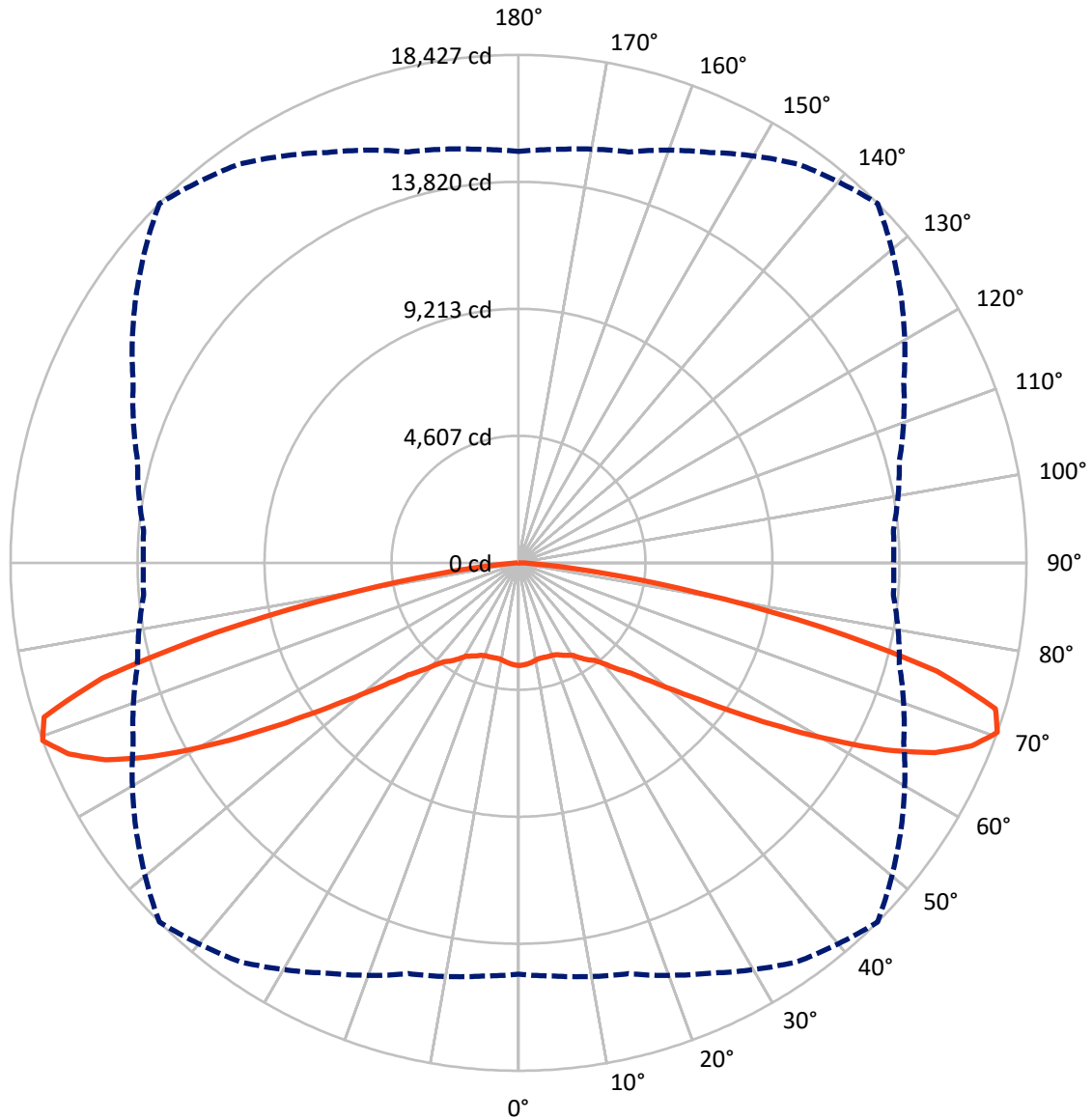
✕ Max cd
 - - - 1/2 Max cd



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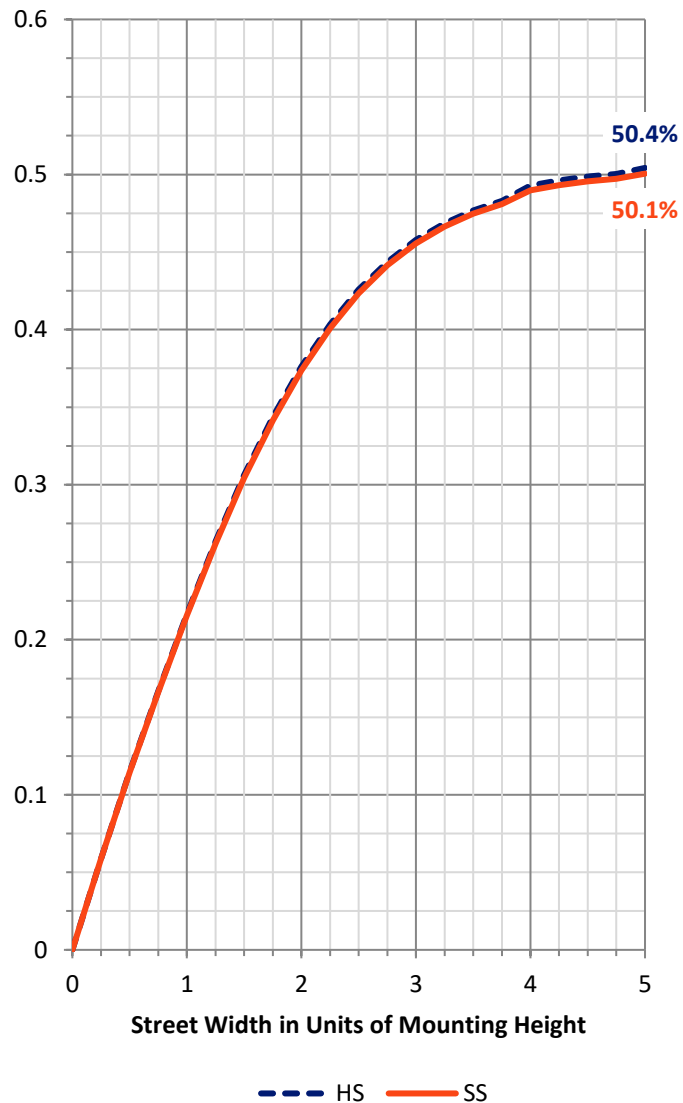
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22630.1	0.0	22630.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22630.1	0.0	22630.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	45260.1	0.0	45260.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.7	0.8
10°-20°	1015.5	2.2
20°-30°	1731.4	3.8
30°-40°	2705.4	6.0
40°-50°	4585.1	10.1
50°-60°	8361.2	18.5
60°-70°	14394.4	31.8
70°-80°	11282.8	24.9
80°-90°	836.6	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°	45260.1	100.0
0°-180°	45260.1	100.0

Coefficient of Utilization



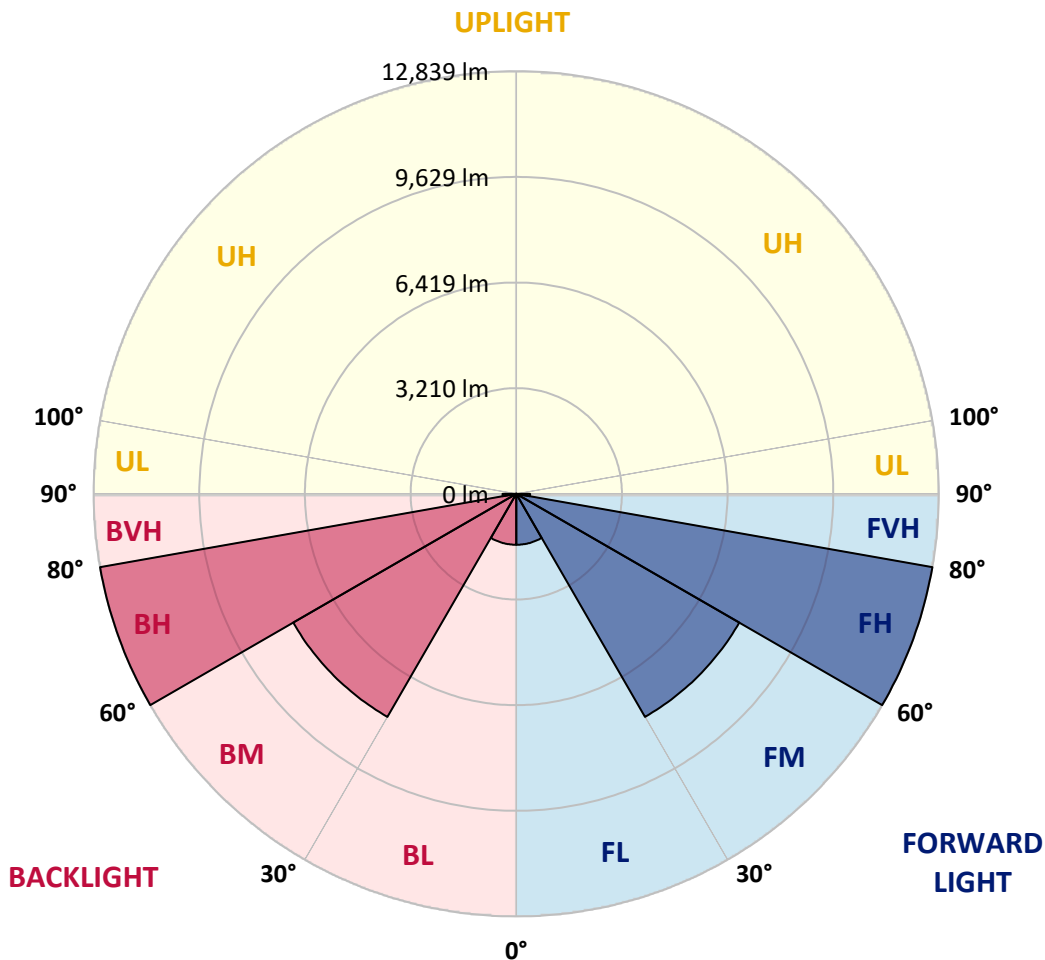
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1547.3	3.4			
FM (30°-60°)	7825.8	17.3			
FH (60°-80°)	12838.6	28.4			G5
FVH (80°-90°)	418.3	0.9			G3/500
BL (0°-30°)	1547.3	3.4	B3/2500		
BM (30°-60°)	7825.8	17.3	B4/8500		
BH (60°-80°)	12838.6	28.4	B5		G5
BVH (80°-90°)	418.3	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-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3724.9	3724.9	3724.9	3724.9	3724.9	3724.9	3724.9	3724.9	3724.9	3724.9	3724.9
2.5°	3708.5	3713.0	3708.5	3711.5	3703.9	3706.9	3706.9	3706.9	3705.4	3706.9	3703.9
5°	3675.5	3678.5	3672.5	3675.5	3671.0	3675.5	3677.0	3675.5	3672.5	3674.0	3668.1
7.5°	3626.1	3629.1	3624.7	3629.1	3623.1	3630.6	3629.1	3624.7	3620.1	3620.1	3614.1
10°	3599.1	3600.6	3588.7	3584.2	3570.7	3573.7	3578.2	3582.7	3587.2	3596.1	3594.7
12.5°	3600.6	3600.6	3582.7	3563.3	3543.8	3548.3	3555.7	3572.2	3590.2	3606.7	3608.2
15°	3615.6	3614.1	3587.2	3555.7	3542.3	3555.7	3560.2	3570.7	3599.1	3627.6	3629.1
17.5°	3626.1	3626.1	3584.2	3548.3	3546.8	3567.7	3566.2	3570.7	3602.1	3644.0	3645.6
20°	3645.6	3645.6	3591.7	3552.7	3552.7	3575.2	3576.7	3584.2	3615.6	3662.0	3669.6
22.5°	3689.0	3690.5	3633.6	3602.1	3605.2	3618.6	3623.1	3635.1	3663.5	3714.5	3723.4
25°	3750.4	3753.4	3695.0	3677.0	3687.5	3713.0	3710.0	3718.9	3750.4	3799.8	3808.7
27.5°	3835.7	3828.2	3774.4	3766.8	3777.3	3795.3	3793.8	3795.3	3820.7	3865.6	3876.2
30°	3946.5	3943.5	3904.6	3909.1	3904.6	3898.6	3900.1	3912.0	3925.5	3961.5	3971.9
32.5°	4054.3	4057.3	4033.3	4055.8	4088.7	4111.2	4076.7	4043.8	4028.9	4048.3	4057.3
35°	4248.9	4256.4	4219.0	4204.0	4248.9	4314.8	4217.5	4163.6	4193.5	4219.0	4226.4
37.5°	4579.8	4584.2	4521.4	4461.6	4428.6	4491.5	4394.1	4398.7	4503.5	4551.4	4549.9
40°	4957.0	4958.5	4916.6	4864.3	4807.3	4822.3	4783.4	4795.4	4864.3	4907.7	4919.7
42.5°	5406.2	5401.8	5335.8	5261.0	5244.5	5259.5	5193.7	5184.6	5264.0	5341.9	5343.4
45°	5988.6	5978.1	5892.8	5810.4	5731.1	5698.2	5681.7	5725.1	5834.4	5906.3	5907.8
47.5°	6615.9	6587.4	6542.5	6476.7	6407.8	6374.9	6347.9	6368.9	6448.3	6476.7	6479.7
50°	7261.2	7267.2	7276.1	7250.7	7225.3	7214.7	7144.4	7104.0	7127.9	7075.6	7068.0
52.5°	8026.2	8038.2	8125.1	8198.5	8241.9	8264.3	8131.0	7991.8	7914.0	7812.1	7782.2
55°	8929.1	8948.4	9075.8	9279.3	9488.9	9599.8	9358.7	9098.2	8857.2	8667.0	8605.6
57.5°	9935.1	9969.5	10144.7	10535.4	10965.2	11227.2	10819.9	10346.8	9881.2	9607.2	9559.4
60°	11114.9	11147.8	11390.3	11950.3	12646.4	13040.2	12423.4	11649.4	11070.0	10807.9	10719.6
62.5°	12519.2	12522.2	12820.1	13474.4	14393.6	14941.6	14106.1	13071.7	12474.3	12158.4	12073.0
65°	14029.9	14037.3	14345.7	15052.4	16003.1	16599.0	15655.8	14577.8	13847.2	13381.6	13315.7
67.5°	15097.3	15128.7	15453.6	16304.0	17193.3	17730.8	16754.6	15536.0	14691.5	14136.1	14080.7
70°	14926.7	15049.4	15431.2	16423.7	17660.5	18426.9	16932.8	15422.1	14308.3	13652.6	13606.1
72.5°	13017.7	13252.8	13761.8	15064.3	17042.1	18097.5	15961.1	13812.7	12552.1	11993.7	11909.8
75°	8864.6	9246.4	10014.4	11893.3	14559.8	15669.2	13436.9	11013.0	9827.4	9054.8	8997.9
77.5°	3952.5	4039.3	5012.5	7175.9	10047.4	11252.6	9762.9	7204.3	5407.7	4313.3	4082.7
80°	1101.9	1115.3	1488.1	2672.4	5029.0	6611.5	5398.7	2807.1	1578.0	1112.4	1048.0
82.5°	350.4	380.3	464.1	693.2	1690.3	3016.7	1735.2	748.6	533.0	425.2	383.2
85°	170.7	169.2	235.0	281.4	431.2	667.7	459.6	347.4	304.0	202.1	182.7
87.5°	71.8	73.4	109.3	98.8	125.8	107.8	148.2	155.7	163.2	89.8	77.9
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)