

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: P383303

Luminaire Tested: **GLEON-SA6B-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383303
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-SA6B-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32546.4 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

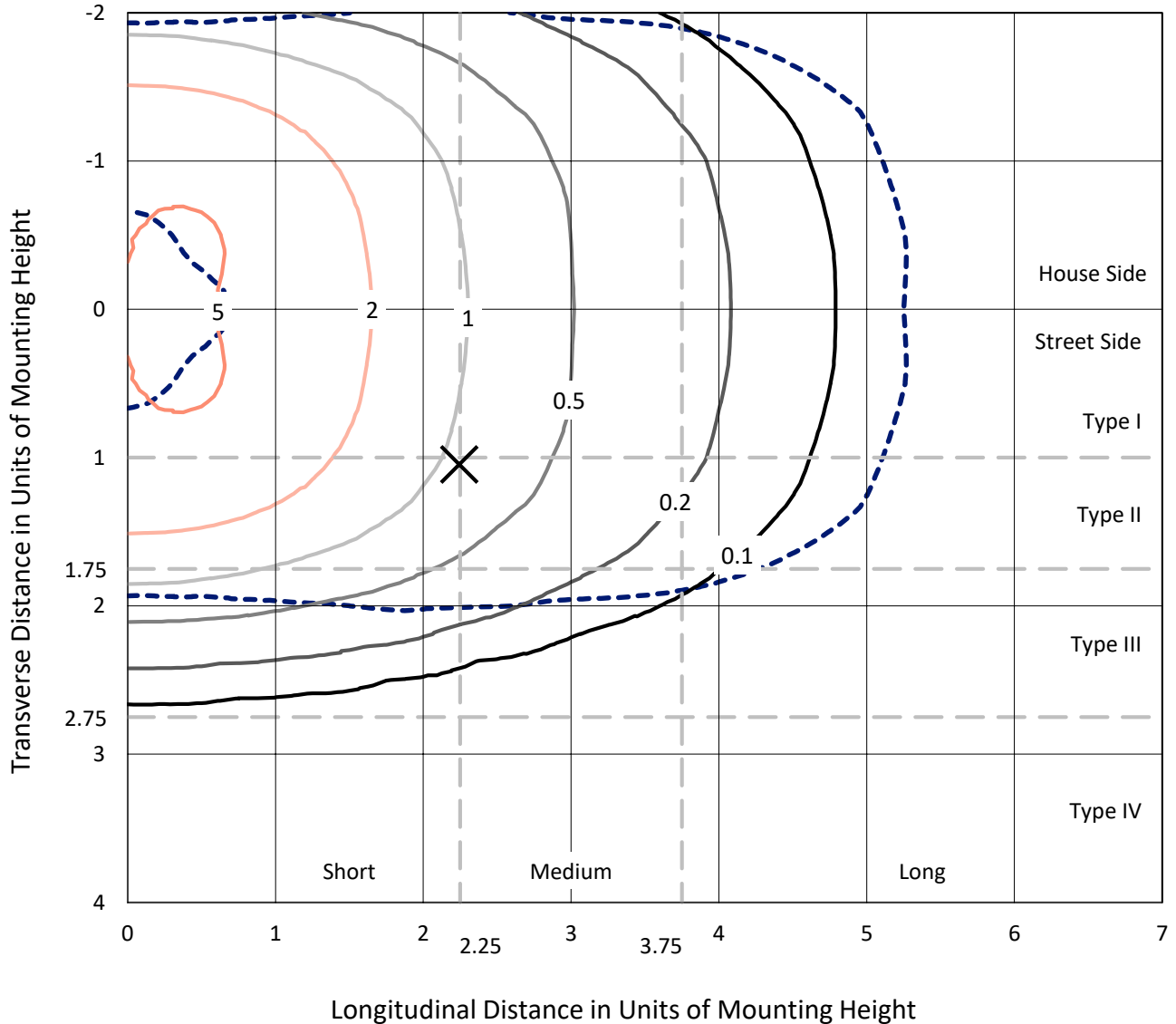
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

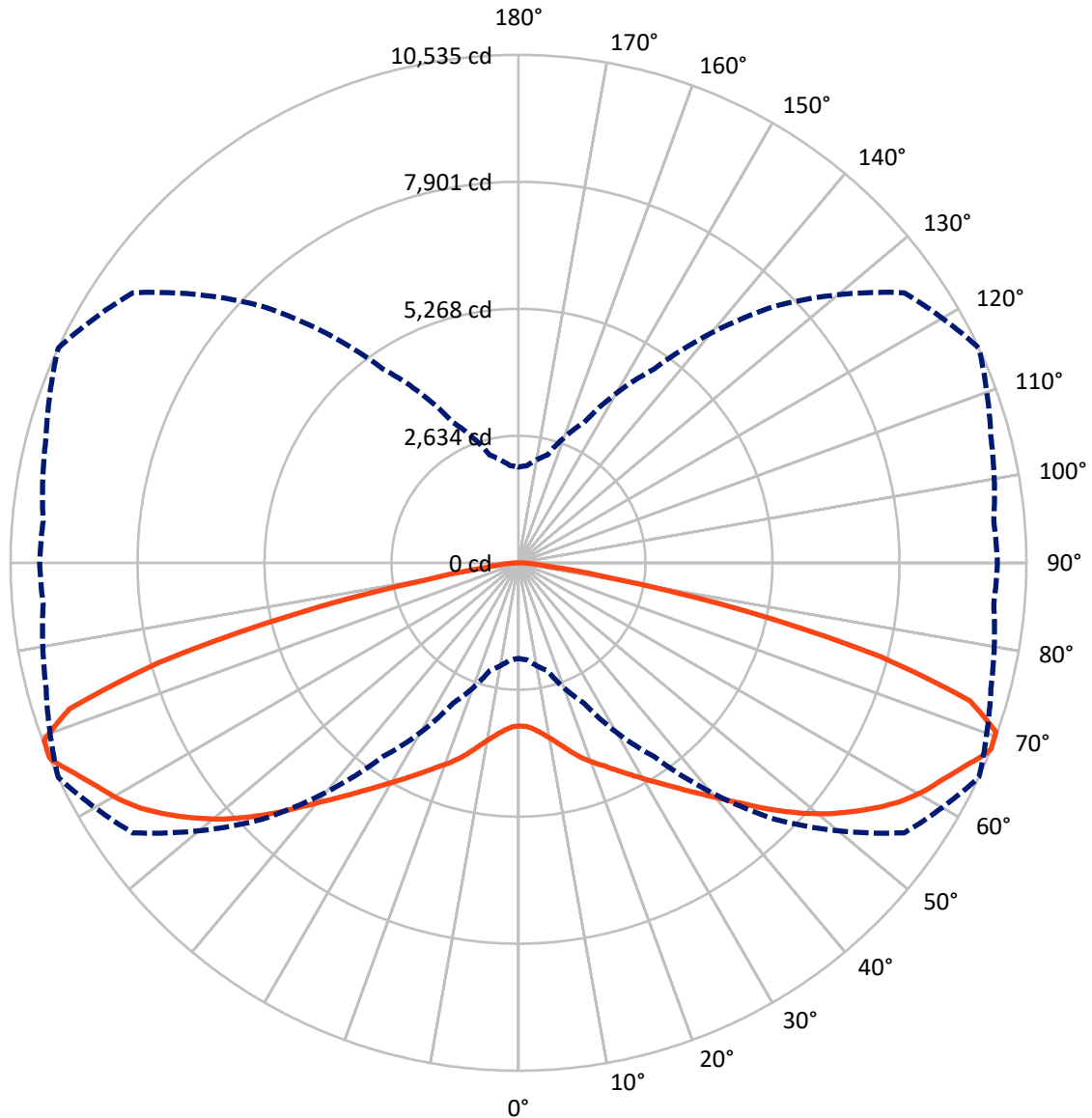
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	16273.2	0.0	16273.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16273.2	0.0	16273.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	32546.4	0.0	32546.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.3	1.0
10°-20°	1109.4	3.4
20°-30°	2163.1	6.6
30°-40°	3633.8	11.2
40°-50°	5725.5	17.6
50°-60°	7656.9	23.5
60°-70°	7443.5	22.9
70°-80°	4069.0	12.5
80°-90°	413.8	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°	32546.4	100.0
0°-180°	32546.4	100.0

Coefficient of Utilization

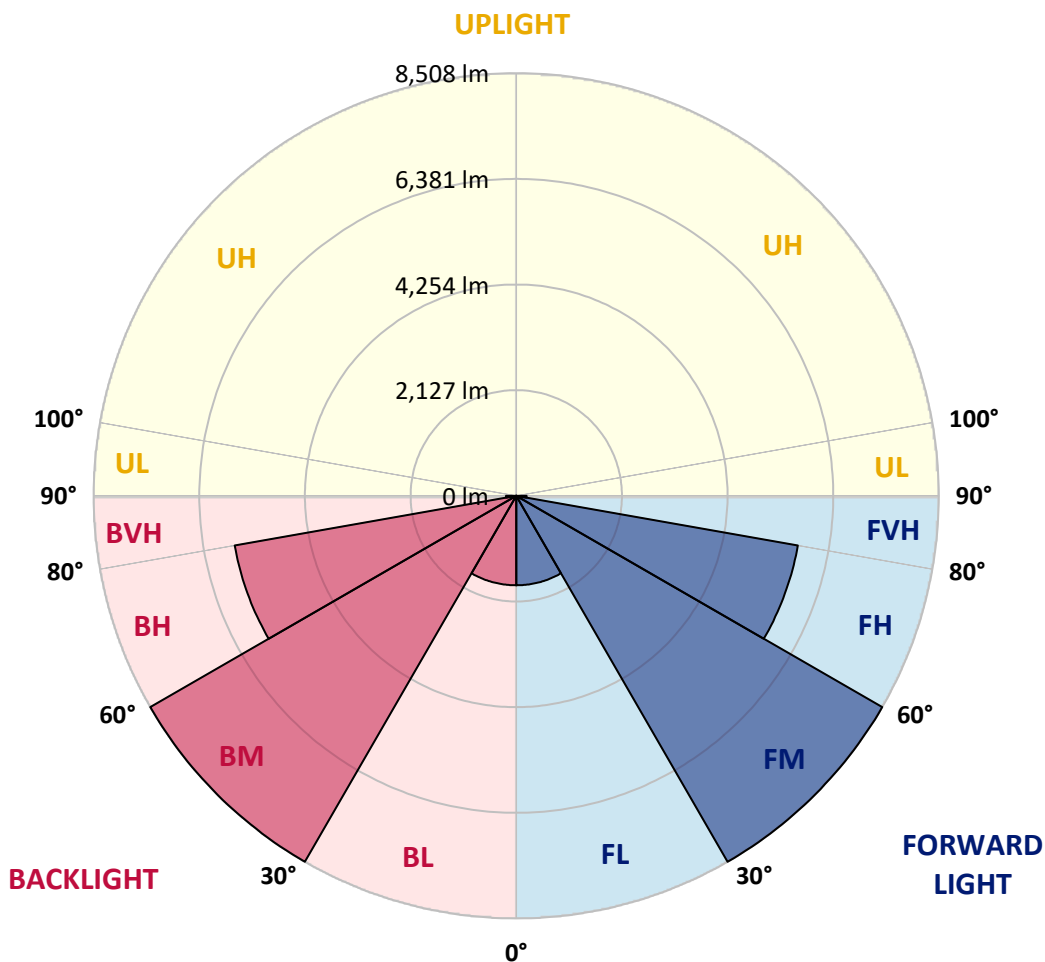


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1801.9	5.5			
FM	(30°-60°)	8508.1	26.1			
FH	(60°-80°)	5756.3	17.7			G3/7500
FVH	(80°-90°)	206.9	0.6			G2/225
BL	(0°-30°)	1801.9	5.5	B3/2500		
BM	(30°-60°)	8508.1	26.1	B5		
BH	(60°-80°)	5756.3	17.7	B5		G5
BVH	(80°-90°)	206.9	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3384.0	3384.0	3384.0	3384.0	3384.0	3384.0	3384.0	3384.0	3384.0	3384.0	3384.0
2.5°	3360.1	3361.1	3366.6	3373.1	3378.6	3392.8	3396.0	3401.5	3403.7	3409.2	3409.2
5°	3330.6	3332.8	3345.8	3363.4	3383.0	3417.8	3443.0	3471.3	3485.6	3500.8	3499.7
7.5°	3327.3	3332.8	3351.3	3379.7	3412.4	3470.3	3522.6	3579.4	3617.6	3652.5	3650.4
10°	3361.1	3369.9	3396.0	3438.6	3487.7	3559.7	3637.2	3713.6	3780.2	3833.7	3835.8
12.5°	3412.4	3423.3	3464.8	3529.2	3603.4	3696.2	3787.9	3874.0	3965.7	4045.3	4052.0
15°	3480.1	3494.2	3556.5	3652.5	3766.0	3876.3	3974.4	4062.9	4168.7	4278.9	4289.9
17.5°	3580.5	3600.2	3681.9	3811.8	3961.3	4082.5	4185.1	4251.6	4340.0	4453.5	4474.2
20°	3733.3	3758.3	3862.0	4017.0	4199.2	4325.8	4404.5	4418.6	4462.2	4563.7	4587.8
22.5°	3931.9	3953.7	4069.4	4253.8	4457.9	4595.4	4636.9	4580.1	4575.8	4657.6	4680.5
25°	4153.4	4173.1	4307.3	4514.7	4733.9	4885.7	4884.6	4774.4	4698.0	4761.2	4785.3
27.5°	4402.2	4432.8	4561.5	4779.8	5014.4	5163.9	5155.2	4985.0	4839.9	4856.2	4876.9
30°	4688.1	4722.0	4847.5	5069.0	5303.6	5449.8	5438.9	5214.2	4995.9	4952.2	4967.5
32.5°	5042.8	5083.2	5202.1	5420.4	5627.8	5759.8	5728.1	5463.0	5183.6	5088.7	5102.8
35°	5469.5	5493.5	5619.0	5834.0	6002.1	6092.6	6026.1	5751.0	5421.5	5306.9	5306.9
37.5°	5901.6	5920.2	6060.9	6269.4	6432.0	6480.0	6350.2	6066.4	5732.5	5569.9	5573.2
40°	6316.4	6366.6	6524.7	6738.6	6899.0	6912.2	6739.7	6426.6	6078.4	5910.4	5930.0
42.5°	6749.5	6798.7	6987.4	7229.7	7371.6	7393.4	7191.5	6830.3	6469.1	6332.7	6354.6
45°	7135.8	7175.2	7393.4	7675.0	7851.7	7908.5	7669.5	7293.0	6891.4	6758.3	6763.8
47.5°	7405.4	7456.8	7696.8	8028.5	8286.1	8373.4	8138.7	7743.8	7307.2	7145.7	7159.9
50°	7649.9	7677.2	7920.5	8282.9	8610.2	8790.3	8589.4	8189.0	7727.4	7556.1	7571.3
52.5°	7786.2	7821.2	8057.0	8434.5	8821.9	9112.2	8990.0	8589.4	8133.3	7966.3	7984.9
55°	7691.3	7717.5	8000.1	8468.3	8952.8	9310.8	9329.4	8981.2	8531.7	8385.4	8437.8
57.5°	7259.2	7292.0	7636.8	8250.1	8969.2	9445.1	9584.7	9344.6	8903.7	8784.8	8815.3
60°	6583.7	6604.4	6972.2	7661.9	8650.5	9500.7	9747.3	9641.4	9268.2	9149.3	9190.7
62.5°	5380.0	5410.6	5850.4	6774.7	7977.2	9335.9	9904.5	9887.0	9607.6	9498.5	9535.6
65°	3677.7	3731.1	4217.8	5386.6	6939.5	8831.7	10047.4	10172.9	9907.8	9770.3	9819.4
67.5°	2220.7	2260.0	2612.5	3556.5	5310.2	7814.7	9900.1	10498.1	10119.4	9897.9	9938.3
68°	1985.0	2021.1	2315.7	3209.5	4911.9	7527.6	9765.9	10535.2	10142.3	9895.7	9931.8
70°	1199.3	1223.3	1420.9	1983.9	3274.9	5971.5	8850.3	10504.7	10288.6	9926.3	9947.1
72.5°	781.4	789.0	821.7	1018.2	1673.0	3339.3	6642.6	9788.8	10508.0	10104.1	10100.9
75°	649.3	644.9	648.3	671.2	825.0	1464.5	3881.7	7732.8	10016.8	9823.7	9755.0
77.5°	548.9	545.6	544.6	545.6	552.2	707.1	1685.0	4816.9	7665.1	8689.8	8751.0
80°	444.2	439.8	453.9	447.4	427.8	439.8	706.0	2003.6	3613.2	3887.2	3642.7
82.5°	323.1	306.7	367.8	350.3	334.0	309.9	389.6	647.1	862.1	591.4	415.7
85°	248.8	231.4	279.4	268.5	229.2	158.3	231.4	316.4	349.2	199.7	157.2
87.5°	101.4	106.9	201.9	159.3	134.2	76.4	94.9	126.6	170.2	85.1	65.5
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)