

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: P383387

Luminaire Tested: **GLEON-SA7A-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383387
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-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31388.5 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

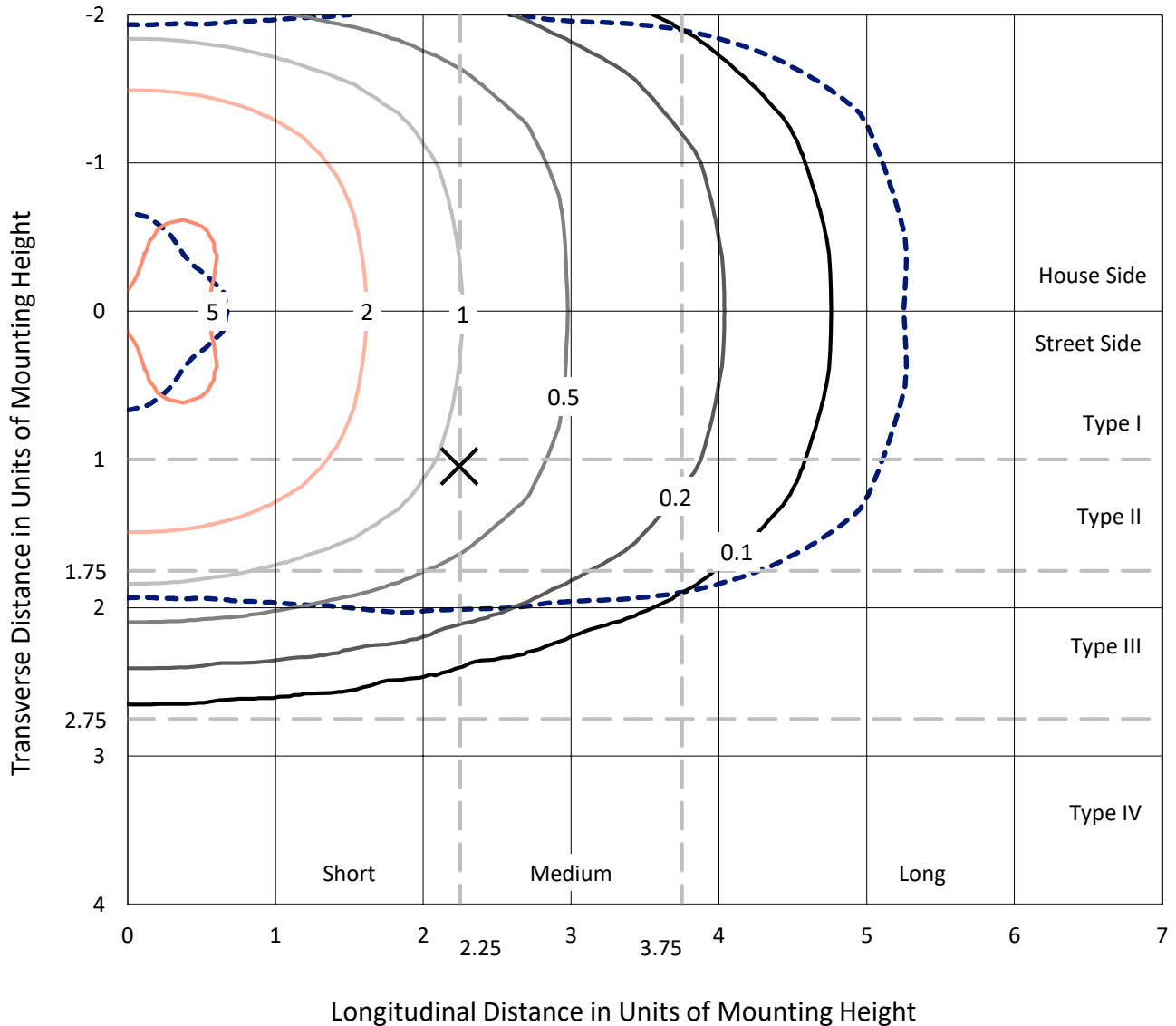
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

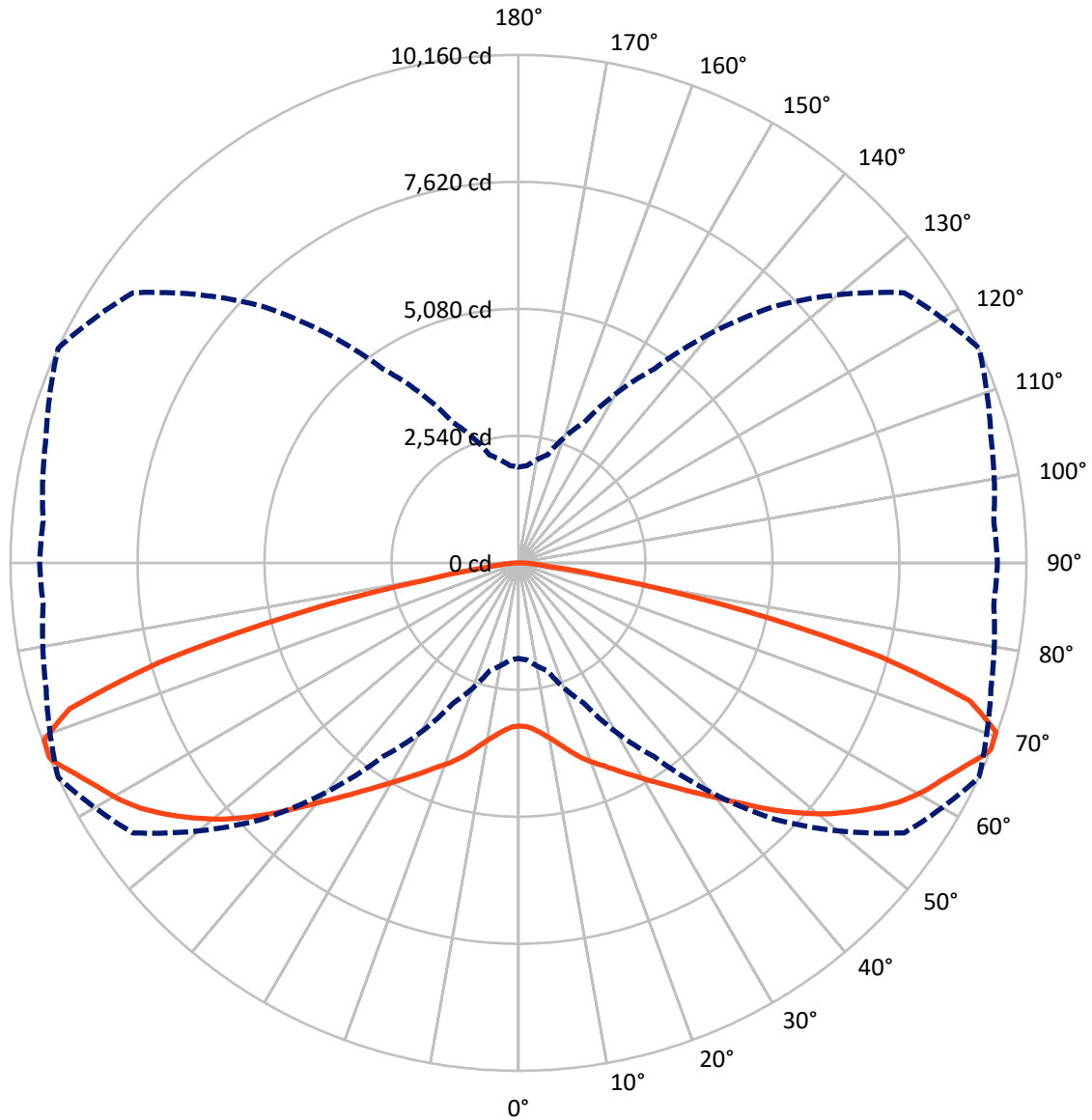
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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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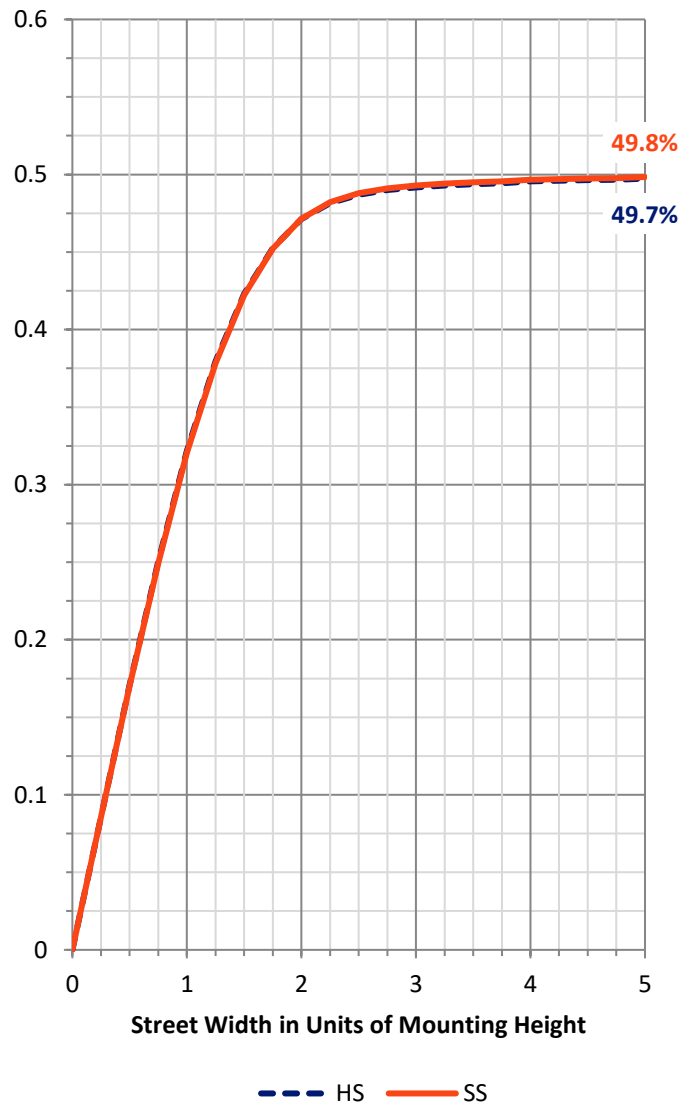
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15694.2	0.0	15694.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15694.2	0.0	15694.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	31388.5	0.0	31388.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.5	1.0
10°-20°	1069.9	3.4
20°-30°	2086.1	6.6
30°-40°	3504.5	11.2
40°-50°	5521.8	17.6
50°-60°	7384.5	23.5
60°-70°	7178.7	22.9
70°-80°	3924.2	12.5
80°-90°	399.1	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°	31388.5	100.0
0°-180°	31388.5	100.0

Coefficient of Utilization



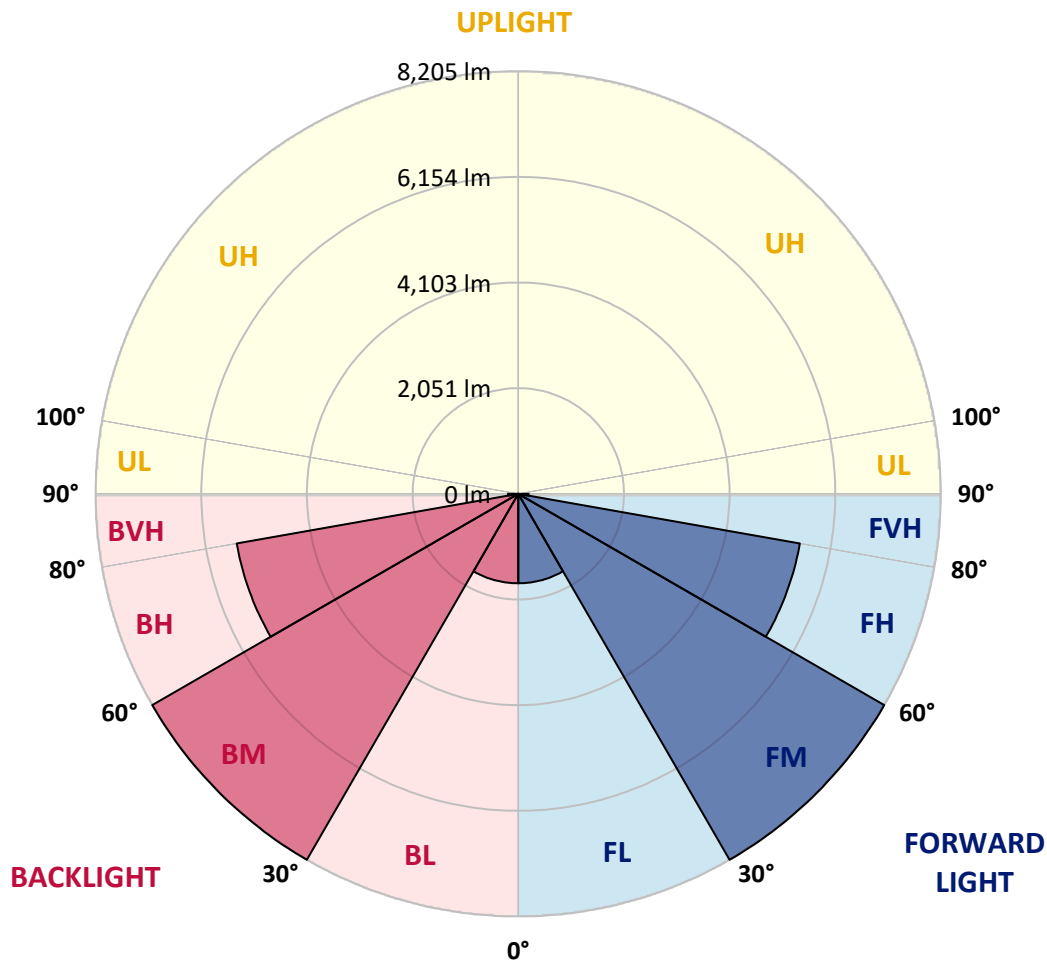
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1737.8	5.5			
FM (30°-60°)	8205.4	26.1			
FH (60°-80°)	5551.5	17.7			G3/7500
FVH (80°-90°)	199.5	0.6			G2/225
BL (0°-30°)	1737.8	5.5	B3/2500		
BM (30°-60°)	8205.4	26.1	B4/8500		
BH (60°-80°)	5551.5	17.7	B5		G5
BVH (80°-90°)	199.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	3263.7	3263.7	3263.7	3263.7	3263.7	3263.7	3263.7	3263.7	3263.7	3263.7	3263.7
2.5°	3240.5	3241.6	3246.8	3253.2	3258.4	3272.1	3275.2	3280.5	3282.6	3287.9	3287.9
5°	3212.1	3214.2	3226.8	3243.6	3262.7	3296.3	3320.5	3347.9	3361.6	3376.3	3375.2
7.5°	3208.9	3214.2	3232.1	3259.5	3291.1	3346.8	3397.4	3452.0	3488.9	3522.6	3520.5
10°	3241.6	3250.0	3275.2	3316.3	3363.6	3433.1	3507.8	3581.5	3645.7	3697.3	3699.4
12.5°	3291.1	3301.6	3341.6	3403.6	3475.2	3564.7	3653.1	3736.3	3824.7	3901.4	3907.7
15°	3356.3	3370.0	3430.0	3522.6	3632.0	3738.3	3833.0	3918.3	4020.4	4126.7	4137.2
17.5°	3453.1	3472.1	3551.0	3676.3	3820.4	3937.3	4036.2	4100.4	4185.6	4295.1	4315.1
20°	3600.4	3624.7	3724.6	3874.1	4049.8	4171.9	4247.7	4261.4	4303.5	4401.4	4424.5
22.5°	3792.0	3813.0	3924.6	4102.4	4299.3	4431.9	4471.9	4417.1	4412.9	4491.9	4514.0
25°	4005.7	4024.6	4154.1	4354.1	4565.5	4711.9	4710.8	4604.5	4530.9	4591.9	4615.0
27.5°	4245.6	4275.1	4399.2	4609.8	4836.0	4980.2	4971.8	4807.6	4667.6	4683.4	4703.4
30°	4521.4	4554.0	4675.0	4888.7	5114.9	5256.0	5245.5	5028.6	4818.2	4776.0	4790.8
32.5°	4863.4	4902.4	5017.0	5227.6	5427.5	5554.8	5524.4	5268.6	4999.2	4907.6	4921.3
35°	5274.9	5298.1	5419.1	5626.5	5788.5	5875.8	5811.6	5546.4	5228.6	5118.1	5118.1
37.5°	5691.7	5709.5	5845.4	6046.4	6203.2	6249.5	6124.3	5850.6	5528.5	5371.8	5374.9
40°	6091.6	6140.0	6292.6	6498.9	6653.6	6666.2	6500.0	6197.9	5862.1	5700.1	5719.1
42.5°	6509.5	6556.8	6738.9	6972.5	7109.3	7130.3	6935.7	6587.3	6238.9	6107.4	6128.5
45°	6882.0	6919.9	7130.3	7401.9	7572.5	7627.1	7396.7	7033.6	6646.2	6517.9	6523.2
47.5°	7142.0	7191.5	7422.9	7742.9	7991.3	8075.5	7849.2	7468.2	7047.3	6891.5	6905.2
50°	7377.7	7404.0	7638.7	7988.1	8303.9	8477.5	8283.9	7897.7	7452.5	7287.2	7301.9
52.5°	7509.3	7542.9	7770.3	8134.5	8508.0	8788.0	8670.1	8283.9	7843.9	7682.9	7700.8
55°	7417.7	7443.0	7715.5	8167.1	8634.3	8979.6	8997.4	8661.7	8228.1	8087.0	8137.6
57.5°	7001.0	7032.5	7365.1	7956.5	8650.2	9109.0	9243.7	9012.2	8587.0	8472.2	8501.8
60°	6349.4	6369.5	6724.1	7389.3	8342.8	9162.7	9400.5	9298.4	8938.5	8823.8	8863.8
62.5°	5188.6	5218.1	5642.2	6533.7	7693.5	9003.8	9552.1	9535.2	9265.8	9160.6	9196.3
65°	3546.8	3598.4	4067.7	5195.0	6692.6	8517.5	9690.0	9811.0	9555.3	9422.6	9470.0
67.5°	2141.7	2179.6	2519.6	3430.0	5121.3	7536.6	9547.9	10124.6	9759.5	9545.8	9584.7
68°	1914.4	1949.2	2233.3	3095.3	4737.1	7259.8	9418.4	10160.4	9781.5	9543.7	9578.4
70°	1156.6	1179.8	1370.3	1913.4	3158.4	5759.0	8535.4	10131.0	9922.6	9573.1	9593.2
72.5°	753.5	760.9	792.5	981.9	1613.4	3220.5	6406.3	9440.5	10134.1	9744.7	9741.6
75°	626.2	622.0	625.2	647.2	795.6	1412.4	3743.6	7457.7	9660.5	9474.2	9407.9
77.5°	529.4	526.2	525.2	526.2	532.6	682.0	1625.0	4645.5	7392.5	8380.7	8439.6
80°	428.3	424.1	437.8	431.5	412.6	424.1	681.0	1932.3	3484.6	3748.8	3513.1
82.5°	311.5	295.8	354.6	337.9	322.0	298.9	375.7	624.1	831.4	570.4	401.0
85°	240.0	223.1	269.4	258.9	221.1	152.6	223.1	305.2	336.8	192.6	151.6
87.5°	97.9	103.1	194.7	153.6	129.5	73.7	91.6	122.1	164.1	82.1	63.2
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)