

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: P383499

Luminaire Tested: **GLEON-SA8A-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383499
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-SA8A-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 35564.6 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

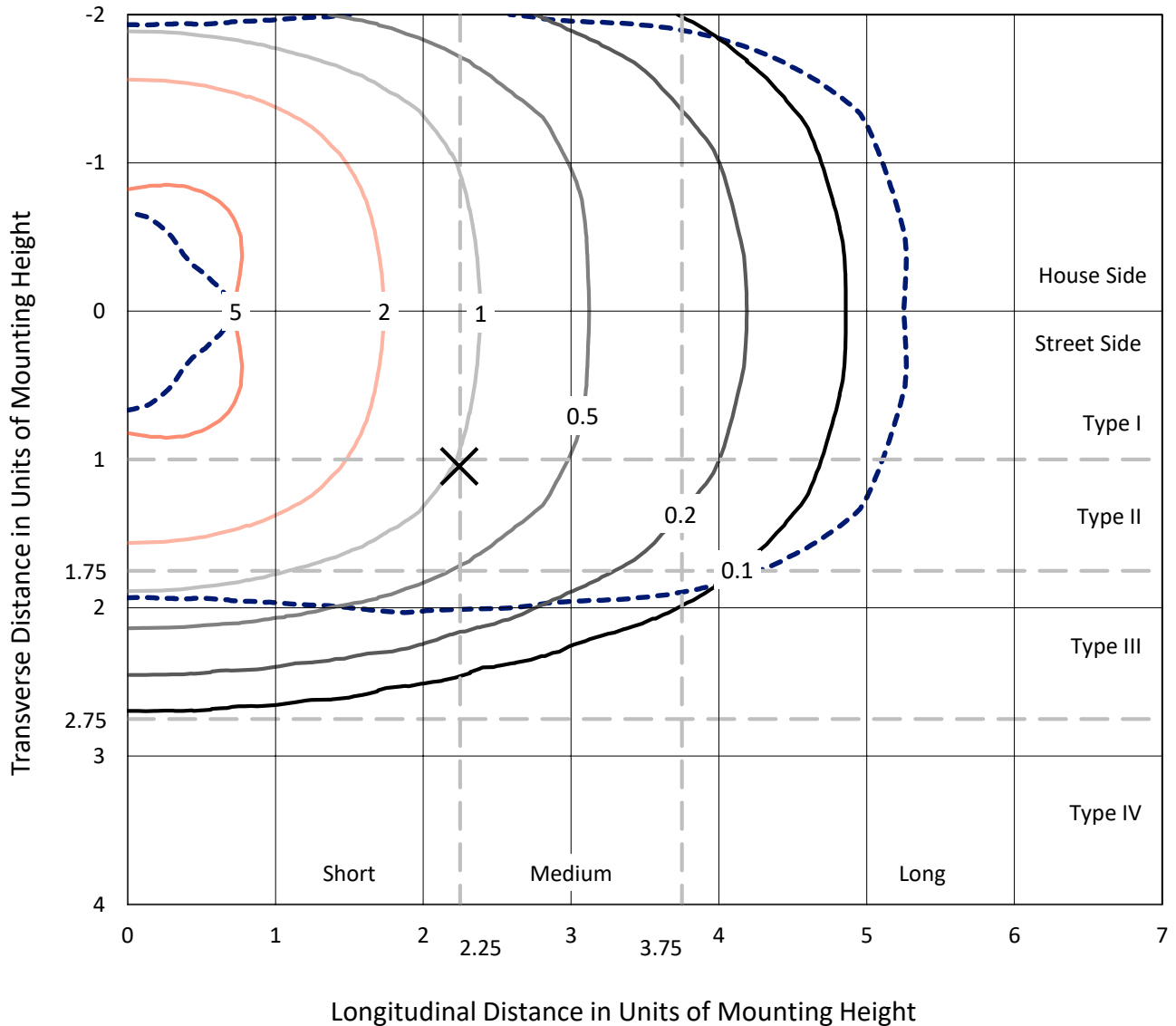
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

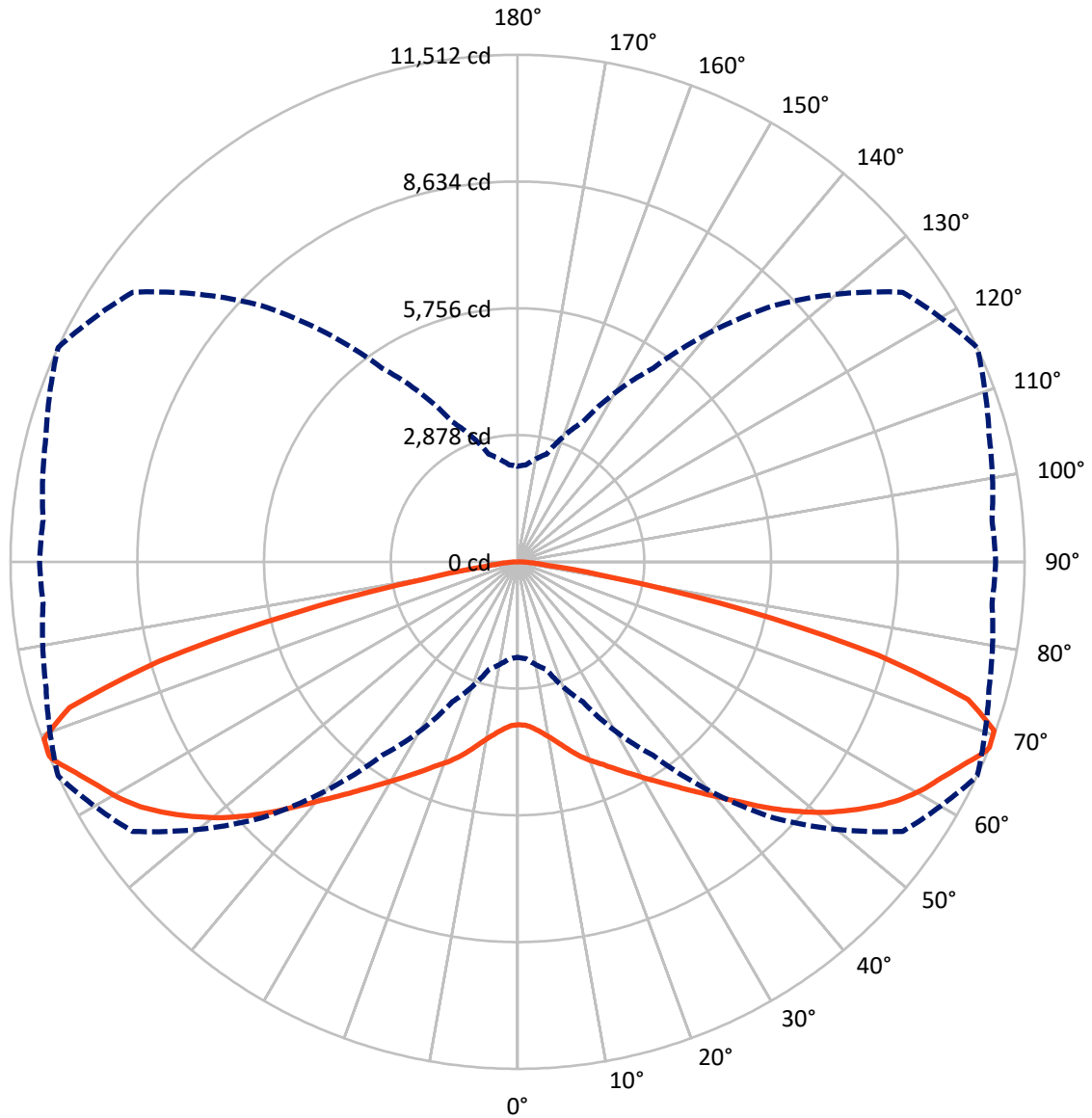
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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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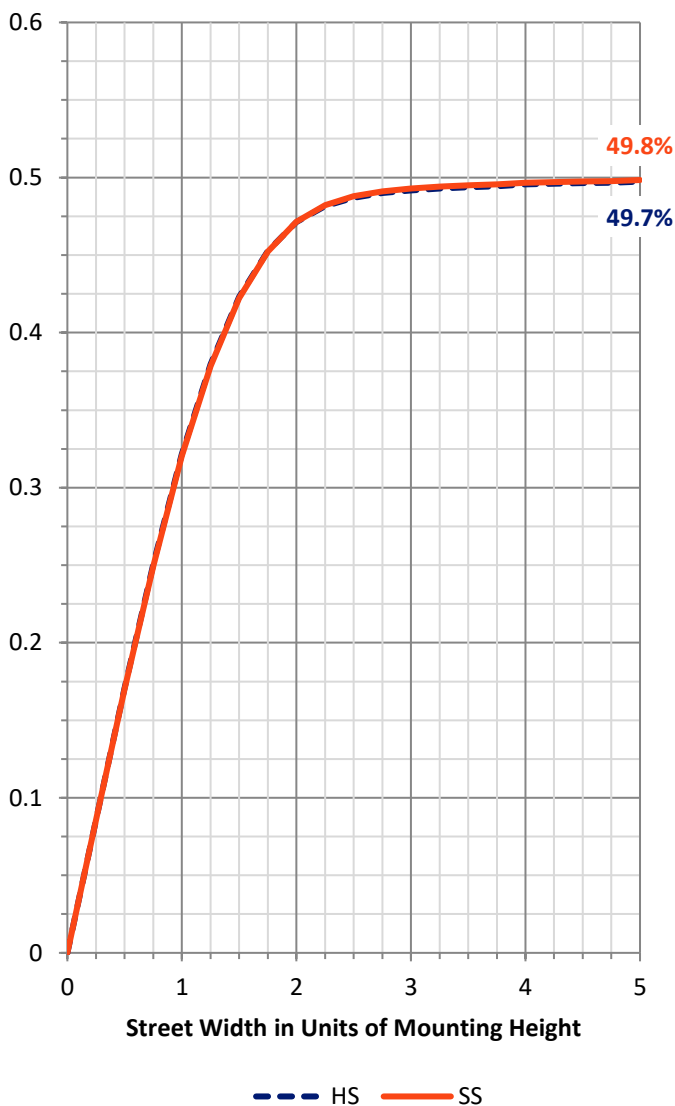
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17782.3	0.0	17782.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17782.3	0.0	17782.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	35564.6	0.0	35564.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.0	1.0
10°-20°	1212.3	3.4
20°-30°	2363.7	6.6
30°-40°	3970.8	11.2
40°-50°	6256.5	17.6
50°-60°	8367.0	23.5
60°-70°	8133.8	22.9
70°-80°	4446.3	12.5
80°-90°	452.2	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°	35564.6	100.0
0°-180°	35564.6	100.0

Coefficient of Utilization



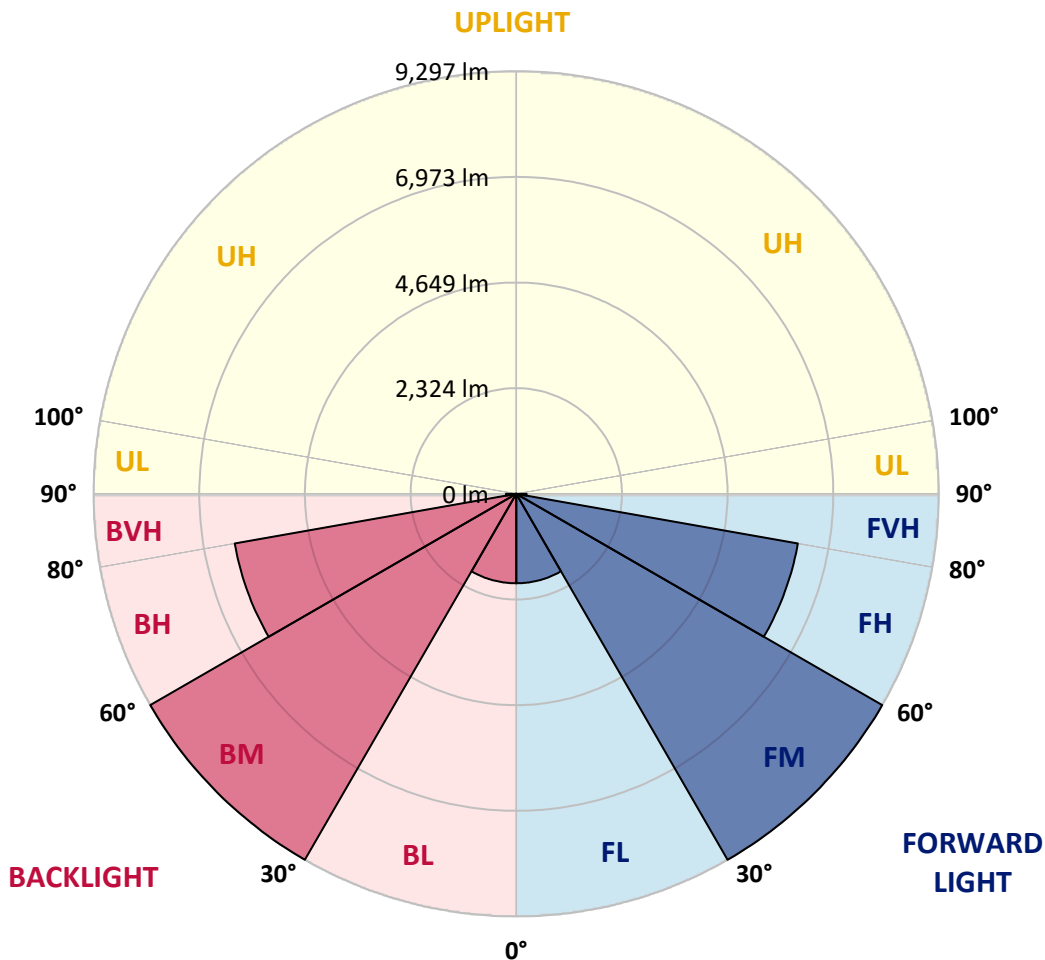
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1969.0	5.5			
FM (30°-60°)	9297.1	26.1			
FH (60°-80°)	6290.1	17.7			G3/7500
FVH (80°-90°)	226.1	0.6			G3/500
BL (0°-30°)	1969.0	5.5	B3/2500		
BM (30°-60°)	9297.1	26.1	B5		
BH (60°-80°)	6290.1	17.7	B5		G5
BVH (80°-90°)	226.1	0.6			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3697.9	3697.9	3697.9	3697.9	3697.9	3697.9	3697.9	3697.9	3697.9	3697.9	3697.9
2.5°	3671.7	3672.8	3678.8	3685.9	3691.9	3707.5	3711.0	3717.0	3719.4	3725.4	3725.4
5°	3639.5	3641.8	3656.1	3675.2	3696.7	3734.9	3762.2	3793.3	3808.8	3825.5	3824.3
7.5°	3635.8	3641.8	3662.1	3693.1	3728.9	3792.1	3849.3	3911.4	3953.1	3991.2	3988.9
10°	3672.8	3682.4	3711.0	3757.5	3811.1	3889.9	3974.5	4058.0	4130.8	4189.2	4191.6
12.5°	3728.9	3740.8	3786.1	3856.5	3937.6	4038.9	4139.1	4233.3	4333.5	4420.6	4427.6
15°	3802.9	3818.3	3886.3	3991.2	4115.3	4235.7	4343.1	4439.6	4555.3	4675.7	4687.6
17.5°	3912.5	3934.0	4023.4	4165.3	4328.7	4461.1	4573.2	4645.9	4742.5	4866.5	4889.1
20°	4079.4	4106.9	4220.2	4389.5	4588.7	4727.0	4812.8	4828.4	4876.1	4986.9	5013.2
22.5°	4296.5	4320.3	4446.7	4648.3	4871.2	5021.5	5066.9	5004.8	5000.1	5089.5	5114.6
25°	4538.6	4560.0	4706.7	4933.3	5173.0	5338.7	5337.6	5217.1	5133.7	5202.8	5229.1
27.5°	4810.5	4843.9	4984.5	5223.1	5479.5	5642.8	5633.3	5447.2	5288.7	5306.6	5329.2
30°	5122.9	5159.8	5297.0	5539.1	5795.4	5955.3	5943.4	5697.7	5459.1	5411.5	5428.1
32.5°	5510.5	5554.5	5684.6	5923.1	6149.6	6293.9	6259.3	5969.5	5664.3	5560.5	5576.1
35°	5976.7	6003.0	6140.1	6375.0	6558.7	6657.6	6584.9	6284.4	5924.3	5799.1	5799.1
37.5°	6448.9	6469.2	6623.0	6850.8	7028.5	7081.0	6939.0	6629.0	6264.1	6086.5	6090.0
40°	6902.1	6956.9	7129.9	7363.6	7538.8	7553.2	7364.7	7022.6	6642.1	6458.5	6479.9
42.5°	7375.5	7429.2	7635.4	7900.2	8055.2	8079.0	7858.4	7463.7	7069.0	6920.0	6943.8
45°	7797.6	7840.6	8079.0	8386.7	8579.9	8641.9	8380.8	7969.4	7530.5	7385.0	7391.0
47.5°	8092.2	8148.2	8410.6	8773.1	9054.5	9149.9	8893.5	8461.8	7984.9	7808.3	7823.9
50°	8359.3	8389.1	8655.0	9050.9	9408.6	9605.5	9386.0	8948.4	8443.9	8256.8	8273.4
52.5°	8508.4	8546.5	8804.1	9216.7	9640.0	9957.2	9823.6	9386.0	8887.5	8705.1	8725.3
55°	8404.6	8433.2	8742.1	9253.6	9783.1	10174.3	10194.5	9814.1	9322.8	9163.0	9220.3
57.5°	7932.4	7968.2	8345.0	9015.1	9801.0	10320.9	10473.6	10211.3	9729.5	9599.5	9632.9
60°	7194.2	7216.9	7618.8	8372.4	9452.8	10381.7	10651.2	10535.6	10127.8	9997.7	10043.1
62.5°	5878.9	5912.3	6392.9	7402.9	8717.0	10201.7	10823.0	10803.9	10498.6	10379.4	10419.9
65°	4018.7	4077.1	4608.9	5886.1	7583.0	9650.7	10979.2	11116.3	10826.5	10676.3	10729.9
67.5°	2426.7	2469.6	2854.8	3886.3	5802.6	8539.4	10818.2	11471.6	11057.8	10815.8	10859.9
68°	2169.1	2208.5	2530.5	3507.1	5367.4	8225.8	10671.5	11512.3	11082.9	10813.4	10852.8
70°	1310.5	1336.8	1552.6	2167.9	3578.6	6525.2	9671.0	11478.8	11242.8	10846.8	10869.5
72.5°	853.9	862.1	897.9	1112.5	1828.1	3649.0	7258.6	10696.6	11482.4	11041.2	11037.6
75°	709.6	704.7	708.3	733.4	901.6	1600.3	4241.6	8449.9	10945.8	10734.7	10659.6
77.5°	599.8	596.3	595.1	596.3	603.4	772.7	1841.2	5263.6	8376.0	9495.7	9562.5
80°	485.3	480.6	496.0	488.9	467.5	480.6	771.5	2189.4	3948.3	4247.6	3980.5
82.5°	353.0	335.1	401.9	382.8	364.9	338.7	425.7	707.1	942.1	646.3	454.3
85°	271.9	252.8	305.3	293.3	250.4	172.9	252.8	345.8	381.6	218.3	171.7
87.5°	110.9	116.9	220.6	174.1	146.7	83.5	103.8	138.3	186.0	93.0	71.5
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)