

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: P383494

Luminaire Tested: **GLEON-SA8A-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
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-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36550.2 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

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

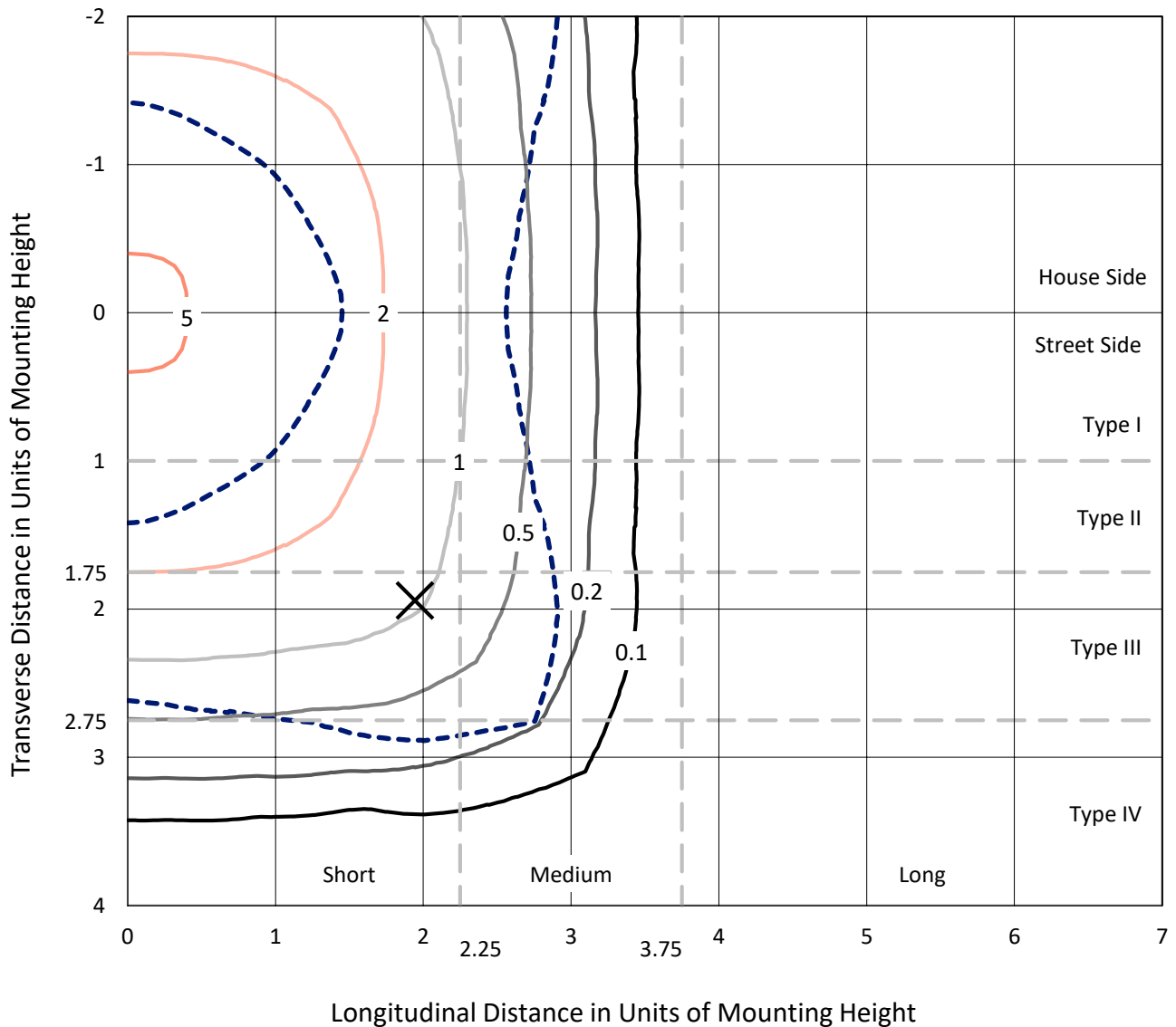




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Iso-Footcandle Lines of Horizontal Illumination

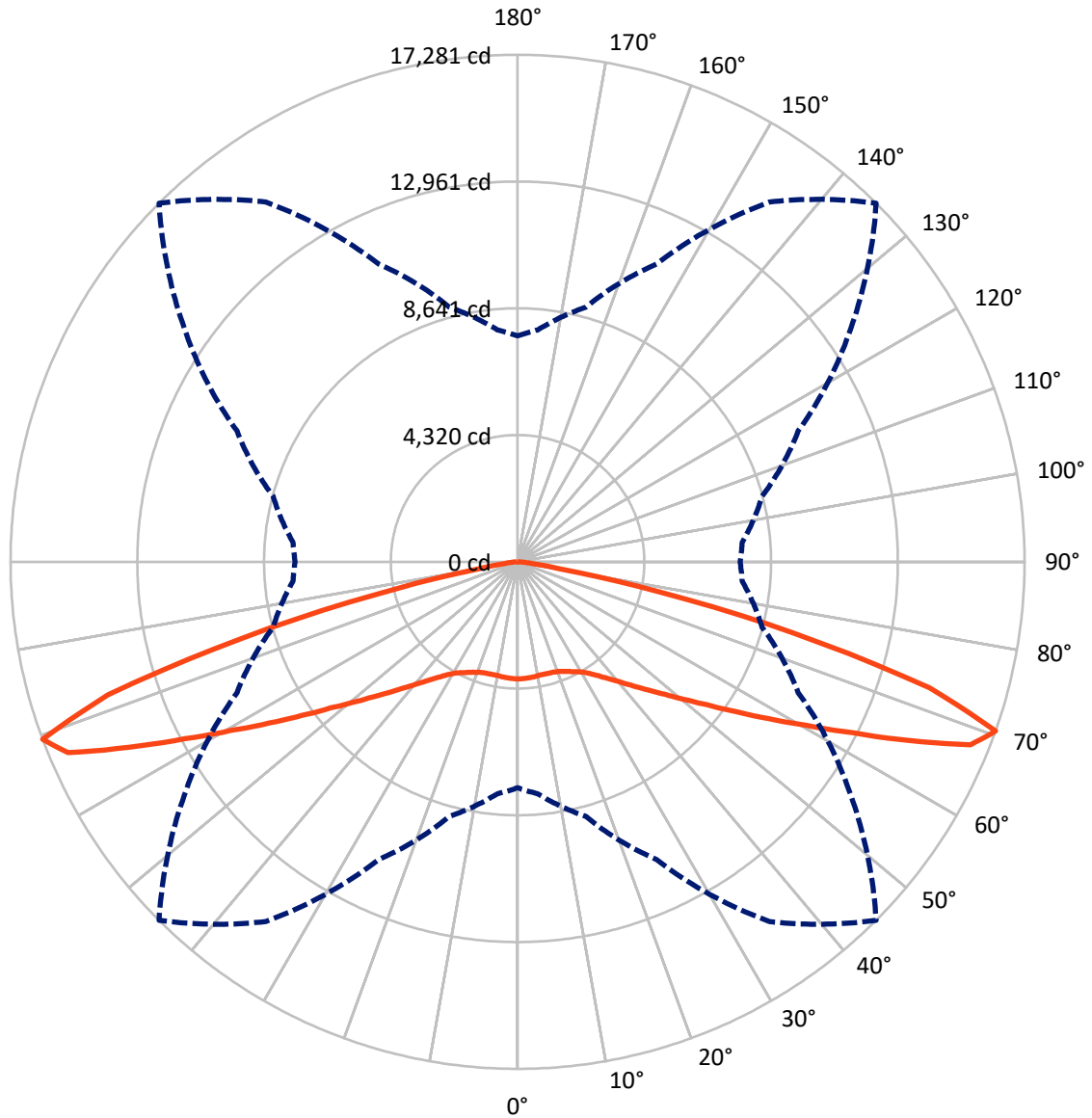
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	18275.1	0.0	18275.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18275.1	0.0	18275.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	36550.2	0.0	36550.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.1	1.0
10°-20°	1109.9	3.0
20°-30°	1889.4	5.2
30°-40°	2996.6	8.2
40°-50°	4876.4	13.3
50°-60°	8040.4	22.0
60°-70°	11803.5	32.3
70°-80°	5219.5	14.3
80°-90°	236.4	0.6
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°	36550.2	100.0
0°-180°	36550.2	100.0

Coefficient of Utilization

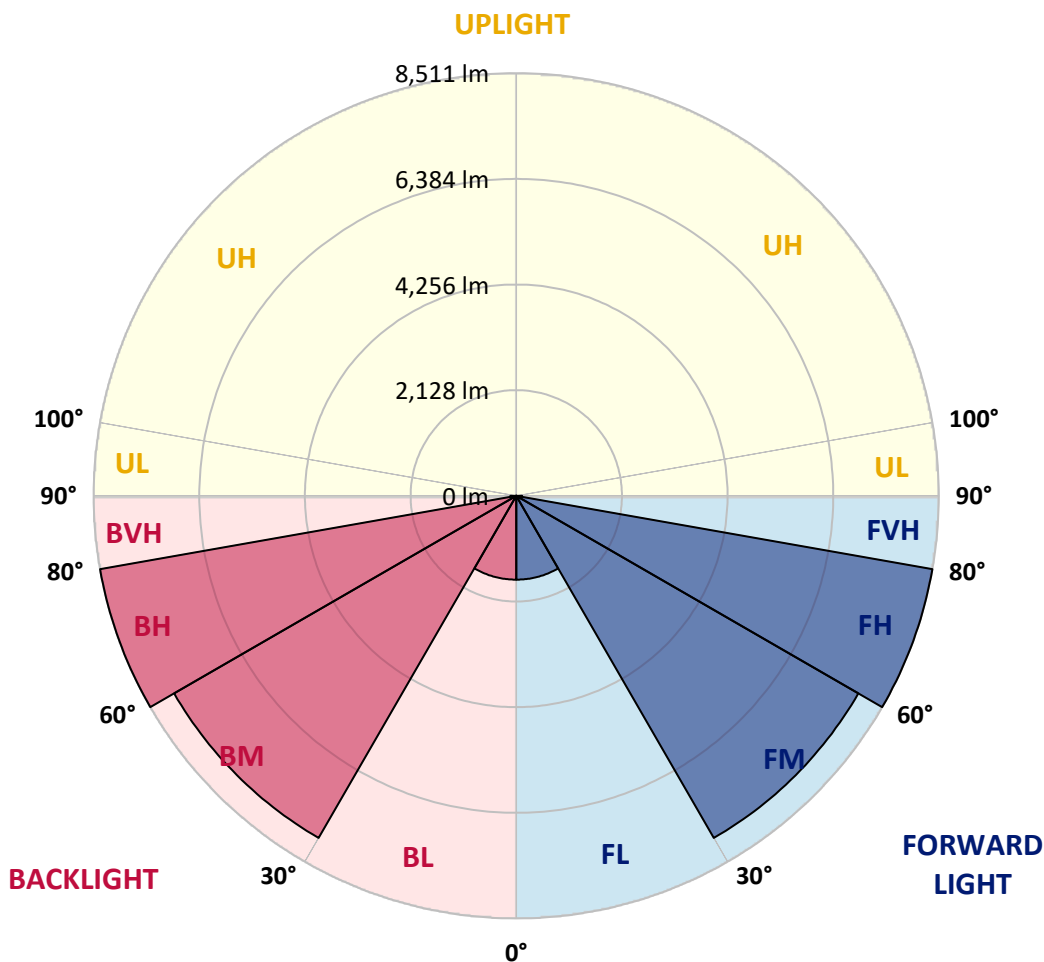


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1688.7	4.6			
FM (30°-60°)	7956.7	21.8			
FH (60°-80°)	8511.5	23.3			G4/12000
FVH (80°-90°)	118.2	0.3			G2/225
BL (0°-30°)	1688.7	4.6	B3/2500		
BM (30°-60°)	7956.7	21.8	B4/8500		
BH (60°-80°)	8511.5	23.3	B5		G4/12000
BVH (80°-90°)	118.2	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3991.9	3991.9	3991.9	3991.9	3991.9	3991.9	3991.9	3991.9	3991.9	3991.9	3991.9
2.5°	3985.8	3982.2	3990.7	3989.4	3982.2	3983.4	3983.4	3987.0	3987.0	3984.6	3984.6
5°	3971.3	3968.9	3978.5	3978.5	3971.3	3973.7	3976.1	3979.8	3978.5	3976.1	3974.9
7.5°	3953.1	3951.9	3961.6	3961.6	3956.7	3959.2	3956.7	3958.0	3955.5	3953.1	3949.5
10°	3922.9	3925.4	3933.8	3936.2	3936.2	3937.4	3935.0	3929.0	3925.4	3921.7	3918.1
12.5°	3895.1	3893.9	3906.0	3912.0	3921.7	3932.6	3925.4	3908.4	3901.1	3893.9	3891.4
15°	3876.9	3878.1	3890.2	3901.1	3918.1	3941.0	3932.6	3906.0	3891.4	3883.0	3880.5
17.5°	3873.3	3875.7	3891.4	3910.8	3929.0	3954.3	3949.5	3922.9	3898.7	3883.0	3879.3
20°	3881.8	3883.0	3907.2	3935.0	3966.4	3990.7	3979.8	3950.7	3918.1	3893.9	3887.8
22.5°	3897.5	3902.3	3932.6	3976.1	4024.5	4057.2	4043.8	3994.3	3943.4	3913.2	3904.8
25°	3947.1	3948.3	3989.4	4048.7	4106.7	4144.3	4128.5	4058.4	3993.1	3959.2	3948.3
27.5°	4049.9	4053.5	4094.7	4163.6	4213.2	4237.4	4227.7	4170.9	4115.2	4079.0	4082.6
30°	4198.7	4203.5	4249.5	4325.7	4355.9	4362.0	4359.5	4333.0	4282.1	4233.8	4237.4
32.5°	4380.1	4382.6	4444.2	4513.3	4537.4	4542.2	4537.4	4513.3	4452.7	4387.4	4391.0
35°	4613.6	4620.8	4680.2	4746.7	4766.0	4775.7	4767.2	4735.8	4672.9	4608.7	4606.3
37.5°	4901.5	4902.7	4964.4	5033.3	5057.6	5060.0	5050.3	5029.7	4951.1	4893.0	4889.4
40°	5235.4	5240.2	5312.8	5386.6	5396.3	5385.4	5398.7	5386.6	5305.5	5239.0	5249.9
42.5°	5641.8	5652.7	5739.8	5812.4	5784.5	5778.5	5787.0	5790.6	5725.3	5644.2	5637.0
45°	6114.8	6124.5	6233.4	6291.4	6273.2	6233.4	6250.3	6279.3	6188.6	6088.2	6097.8
47.5°	6654.3	6678.5	6794.6	6849.0	6804.3	6749.9	6782.5	6826.1	6719.6	6595.0	6588.9
50°	7254.2	7284.5	7439.3	7515.5	7470.8	7370.4	7424.8	7453.9	7300.3	7139.4	7126.1
52.5°	7894.2	7924.4	8119.2	8276.4	8247.4	8091.3	8167.5	8137.3	7960.7	7744.2	7727.3
55°	8618.8	8630.9	8841.3	9095.4	9124.4	9009.5	9004.6	8955.1	8693.8	8443.4	8431.3
57.5°	9363.9	9372.4	9644.6	9944.6	10081.2	10081.2	9945.8	9840.5	9493.3	9203.0	9172.8
60°	10168.3	10198.6	10499.8	10907.4	11226.7	11321.1	11081.6	10795.0	10417.5	10063.1	10028.0
62.5°	10884.5	10919.5	11380.4	11987.6	12500.5	12844.1	12258.6	11791.7	11104.6	10536.1	10469.6
65°	10975.2	11069.5	11740.9	12840.5	13988.4	14674.3	13551.7	12401.3	11149.3	10359.5	10291.7
67.5°	10023.2	10182.8	11090.1	12801.7	15173.9	16646.0	14377.9	12053.0	10346.1	9472.8	9397.8
70°	7701.8	7934.1	8980.5	11197.8	14969.4	17281.0	13860.2	10551.8	8626.0	7686.1	7580.8
72.5°	4225.3	4320.9	5261.9	7667.9	12000.9	14685.2	11560.6	7802.3	5720.4	4654.8	4478.1
75°	1340.3	1374.1	1853.2	3137.8	6788.6	9726.8	7343.8	3829.8	2108.5	1554.4	1536.2
77.5°	595.2	598.8	670.2	915.7	2338.3	4928.2	2808.8	1042.7	718.5	627.8	648.4
80°	376.2	376.2	414.9	453.7	636.2	1431.0	759.7	496.0	423.4	393.1	401.6
82.5°	180.3	199.6	269.8	290.3	349.6	481.4	389.5	324.2	283.1	210.4	196.0
85°	118.6	99.2	170.6	192.4	203.3	231.0	226.2	214.1	185.1	105.3	117.4
87.5°	53.2	50.8	88.3	81.0	76.2	58.0	87.1	107.7	104.1	52.0	52.0
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)