

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: P383611

Luminaire Tested: **GLEON-SA9A-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383611
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-SA9A-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 39671.8 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

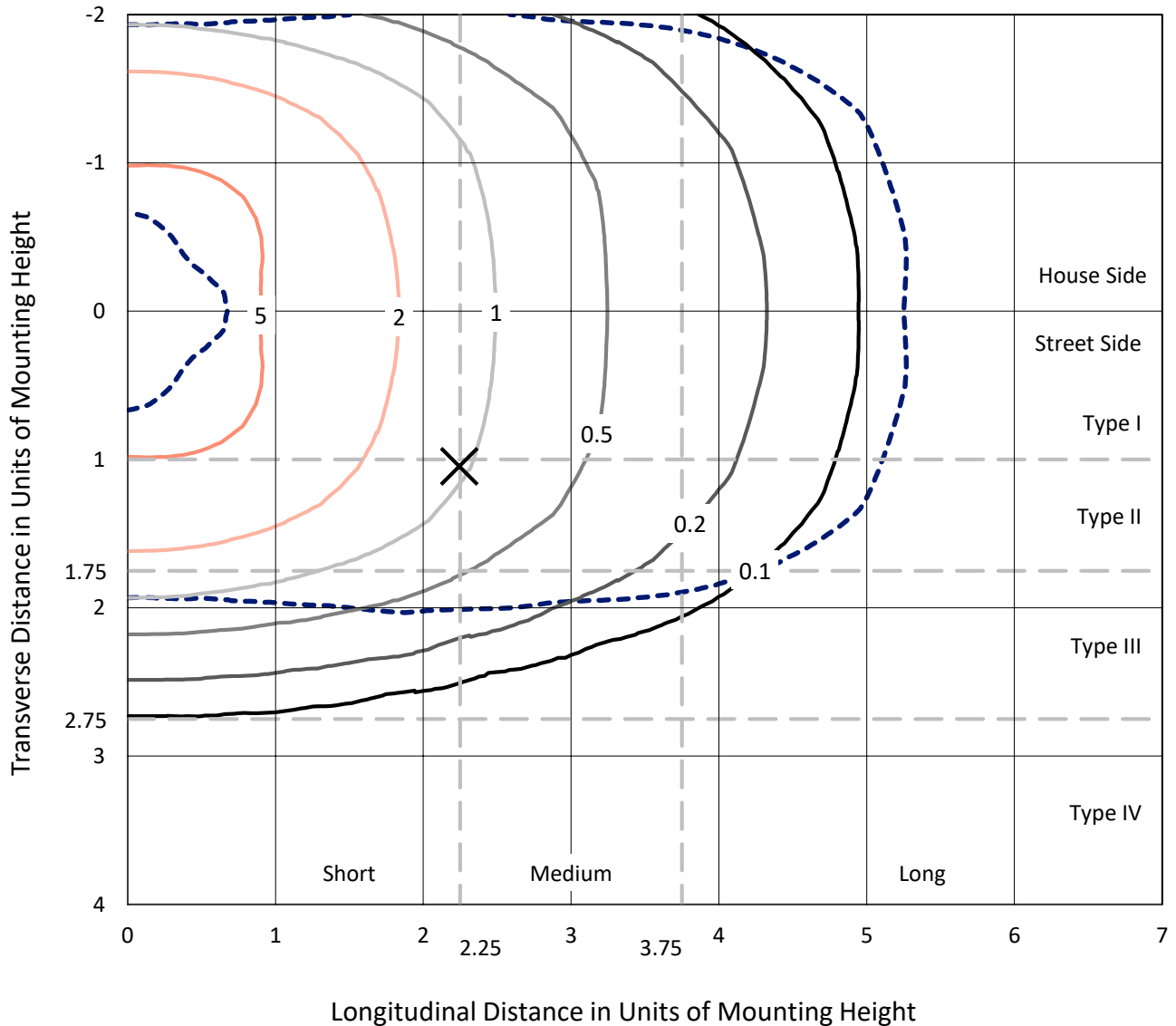
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

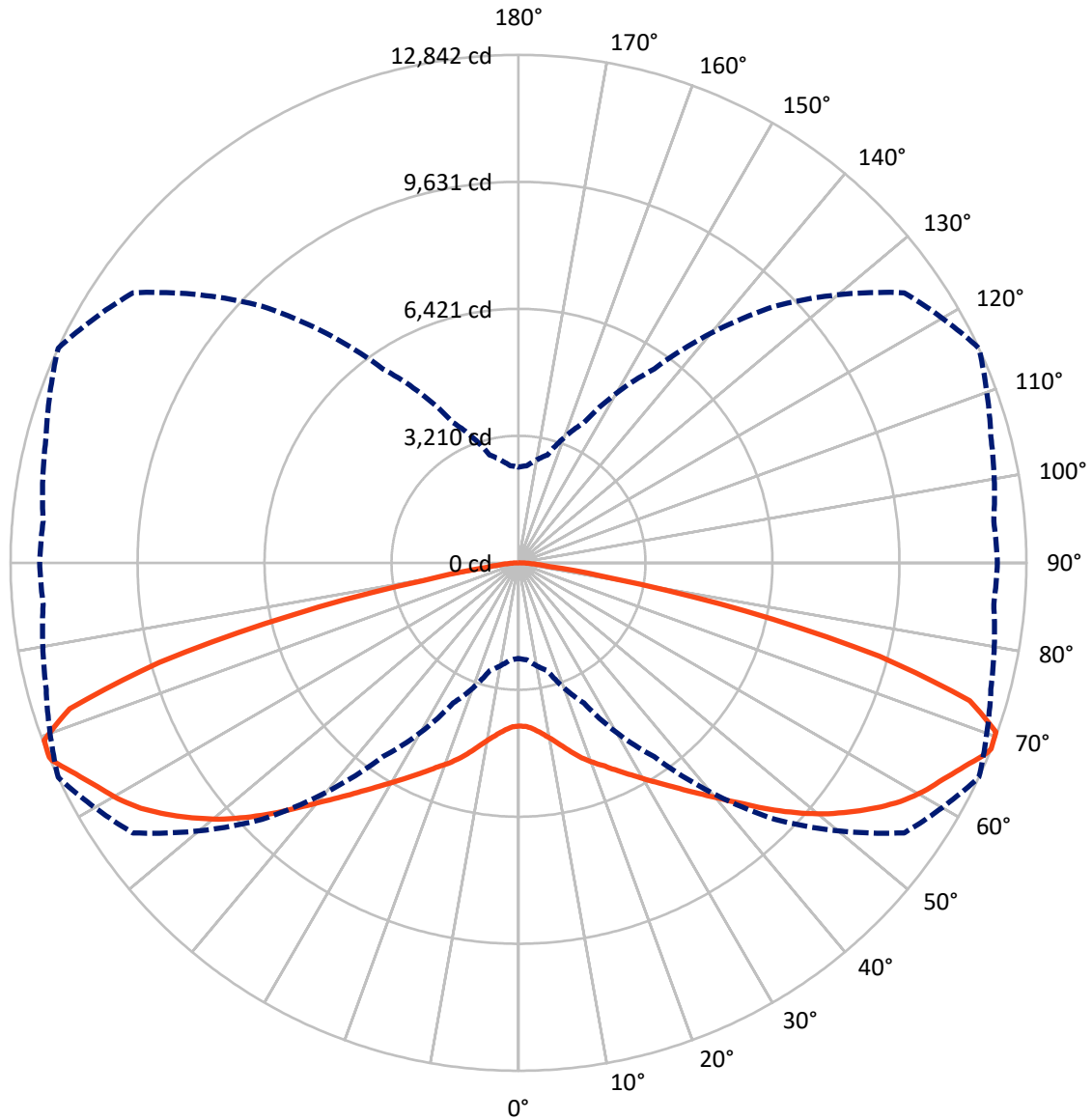
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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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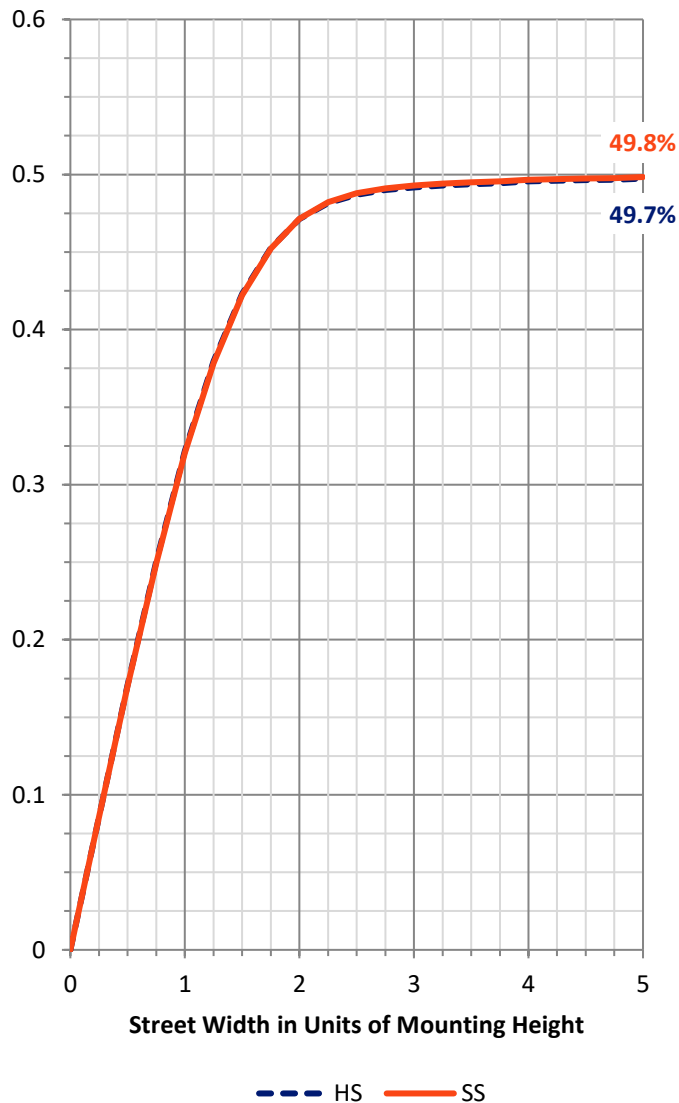
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19835.9	0.0	19835.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19835.9	0.0	19835.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	39671.8	0.0	39671.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.9	1.0
10°-20°	1352.3	3.4
20°-30°	2636.6	6.6
30°-40°	4429.3	11.2
40°-50°	6979.1	17.6
50°-60°	9333.3	23.5
60°-70°	9073.1	22.9
70°-80°	4959.8	12.5
80°-90°	504.4	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°	39671.8	100.0
0°-180°	39671.8	100.0

Coefficient of Utilization



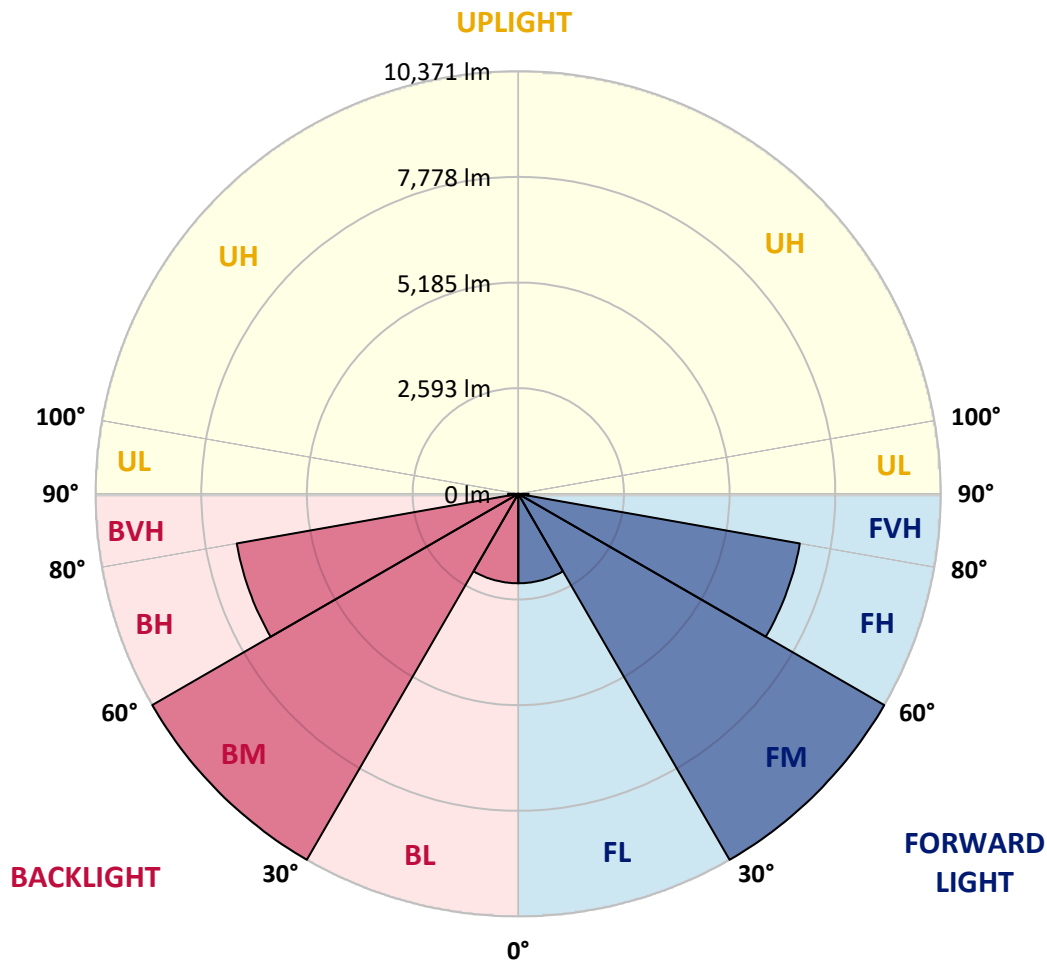
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2196.4	5.5			
FM (30°-60°)	10370.8	26.1			
FH (60°-80°)	7016.5	17.7			G3/7500
FVH (80°-90°)	252.2	0.6			G3/500
BL (0°-30°)	2196.4	5.5	B3/2500		
BM (30°-60°)	10370.8	26.1	B5		
BH (60°-80°)	7016.5	17.7	B5		G5
BVH (80°-90°)	252.2	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°	4124.9	4124.9	4124.9	4124.9	4124.9	4124.9	4124.9	4124.9	4124.9	4124.9	4124.9
2.5°	4095.6	4097.0	4103.7	4111.7	4118.3	4135.6	4139.6	4146.2	4148.8	4155.5	4155.5
5°	4059.8	4062.4	4078.4	4099.6	4123.6	4166.2	4196.8	4231.4	4248.6	4267.2	4265.9
7.5°	4055.8	4062.4	4085.0	4119.6	4159.5	4230.1	4293.9	4363.0	4409.6	4452.1	4449.5
10°	4097.0	4107.7	4139.6	4191.4	4251.3	4339.1	4433.5	4526.7	4607.8	4673.0	4675.6
12.5°	4159.5	4172.9	4223.4	4301.9	4392.3	4505.3	4617.1	4722.2	4833.9	4931.1	4939.0
15°	4242.0	4259.3	4335.1	4452.1	4590.5	4724.8	4844.6	4952.3	5081.3	5215.7	5229.0
17.5°	4364.4	4388.3	4488.1	4646.4	4828.6	4976.2	5101.3	5182.5	5290.2	5428.5	5453.8
20°	4550.6	4581.2	4707.6	4896.5	5118.6	5272.9	5368.7	5385.9	5439.2	5562.9	5592.2
22.5°	4792.7	4819.3	4960.3	5185.1	5433.8	5601.5	5652.0	5582.9	5577.5	5677.3	5705.2
25°	5062.7	5086.6	5250.3	5503.0	5770.4	5955.3	5954.0	5819.6	5726.5	5803.6	5832.9
27.5°	5366.0	5403.3	5560.2	5826.3	6112.3	6294.5	6283.8	6076.3	5899.4	5919.3	5944.7
30°	5714.5	5755.8	5908.7	6178.8	6464.8	6643.0	6629.7	6355.7	6089.6	6036.4	6055.1
32.5°	6146.8	6196.1	6341.0	6607.1	6859.8	7020.8	6982.2	6659.0	6318.4	6202.7	6220.0
35°	6666.9	6696.2	6849.2	7111.2	7316.1	7426.5	7345.3	7010.2	6608.4	6468.8	6468.8
37.5°	7193.7	7216.3	7387.9	7642.0	7840.2	7898.7	7740.4	7394.5	6987.5	6789.3	6793.3
40°	7699.1	7760.4	7953.3	8213.9	8409.5	8425.5	8215.3	7833.5	7409.2	7204.3	7228.3
42.5°	8227.2	8287.1	8517.2	8812.5	8985.4	9012.1	8766.0	8325.7	7885.4	7719.1	7745.7
45°	8698.1	8746.0	9012.1	9355.3	9570.7	9639.9	9348.6	8889.7	8400.1	8237.9	8244.6
47.5°	9026.7	9089.2	9381.9	9786.3	10100.2	10206.6	9920.6	9439.1	8907.0	8710.2	8727.4
50°	9324.7	9358.0	9654.6	10096.2	10495.3	10714.8	10469.9	9981.8	9419.2	9210.3	9228.9
52.5°	9491.0	9533.6	9820.8	10281.1	10753.3	11107.1	10958.2	10469.9	9913.9	9710.5	9733.0
55°	9375.2	9407.1	9751.6	10322.3	10912.9	11349.2	11371.9	10947.5	10399.4	10221.2	10285.0
57.5°	8848.5	8888.4	9308.7	10056.2	10932.8	11512.8	11683.1	11390.5	10853.1	10708.0	10745.3
60°	8025.1	8050.3	8498.6	9339.3	10544.5	11580.7	11881.3	11752.3	11297.3	11152.4	11202.9
62.5°	6557.9	6595.1	7131.2	8257.9	9723.8	11379.8	12072.9	12051.5	11711.0	11578.0	11623.3
65°	4482.8	4547.9	5141.2	6565.8	8458.7	10765.2	12247.1	12400.1	12076.9	11909.3	11969.1
67.5°	2707.0	2754.9	3184.5	4335.1	6472.8	9525.5	12067.5	12796.5	12334.9	12064.8	12114.1
68°	2419.6	2463.5	2822.7	3912.1	5987.2	9175.7	11903.9	12841.7	12362.8	12062.2	12106.1
70°	1461.9	1491.1	1731.9	2418.3	3992.0	7278.8	10787.9	12804.5	12541.1	12099.5	12124.7
72.5°	952.4	961.7	1001.6	1241.1	2039.2	4070.4	8096.9	11931.8	12808.4	12316.3	12312.3
75°	791.4	786.1	790.1	818.1	1005.6	1785.1	4731.5	9425.8	12209.9	11974.4	11890.6
77.5°	669.1	665.1	663.7	665.1	673.0	862.0	2053.8	5871.5	9343.3	10592.3	10666.9
80°	541.4	536.1	553.3	545.4	521.5	536.1	860.7	2442.2	4404.3	4738.1	4440.2
82.5°	393.8	373.8	448.3	427.0	407.1	377.7	474.9	788.8	1050.9	720.9	506.8
85°	303.3	282.0	340.6	327.3	279.4	192.9	282.0	385.8	425.6	243.4	191.5
87.5°	123.7	130.3	246.1	194.2	163.6	93.2	115.7	154.3	207.5	103.8	79.8
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)