

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: P383667

Luminaire Tested: **GLEON-SA9C-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383667
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-SA9C-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60212.4 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

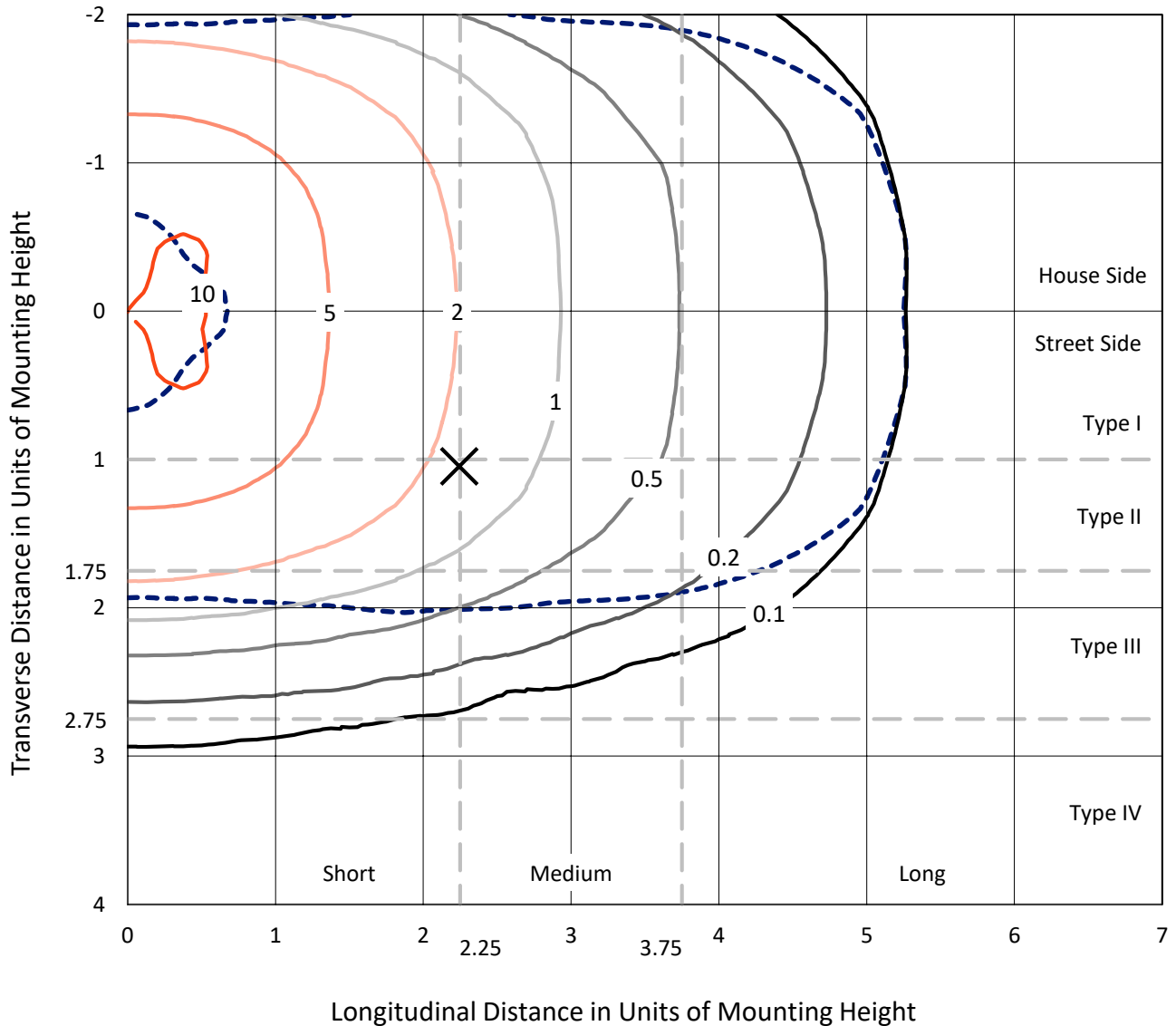
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

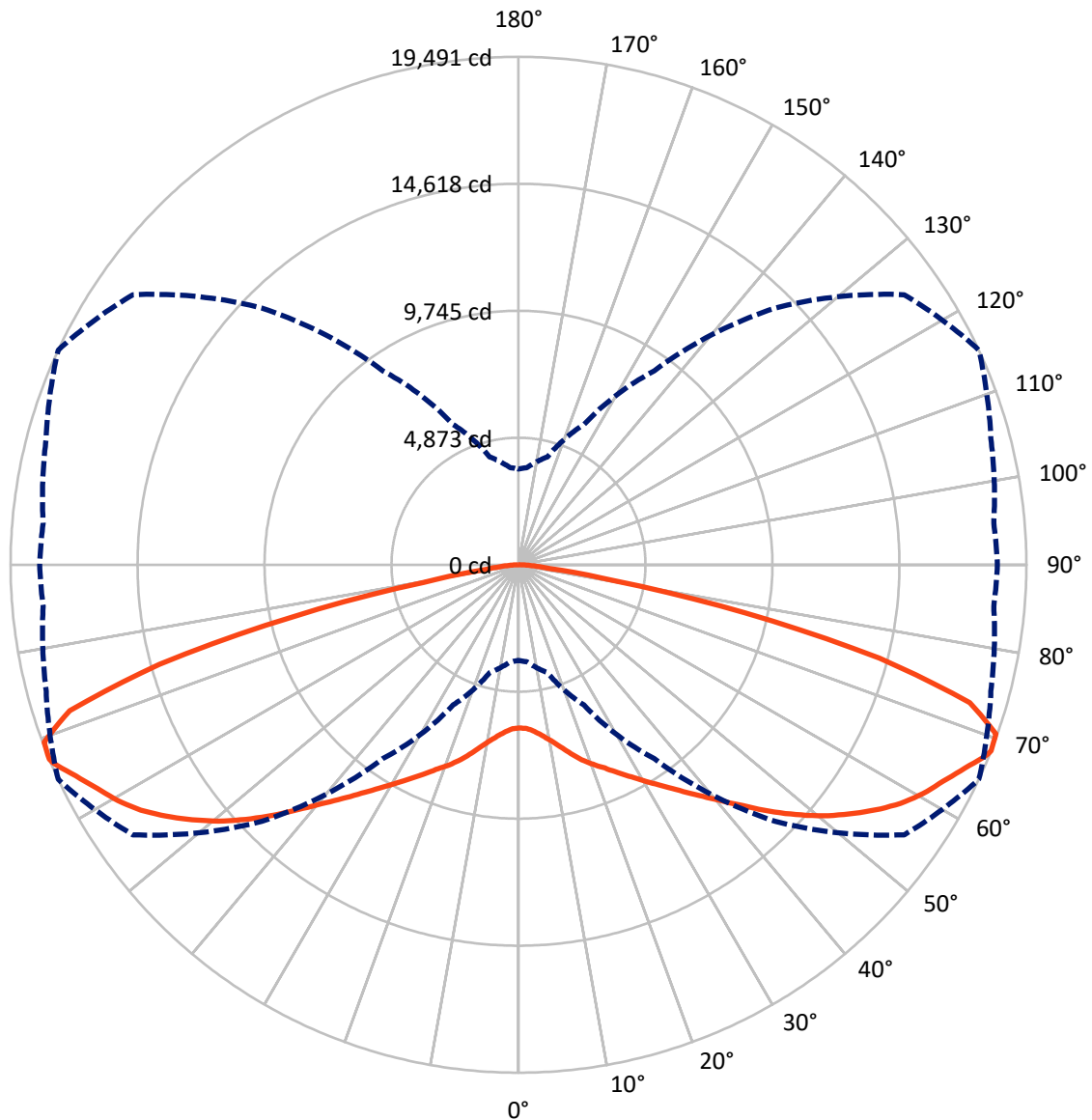
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 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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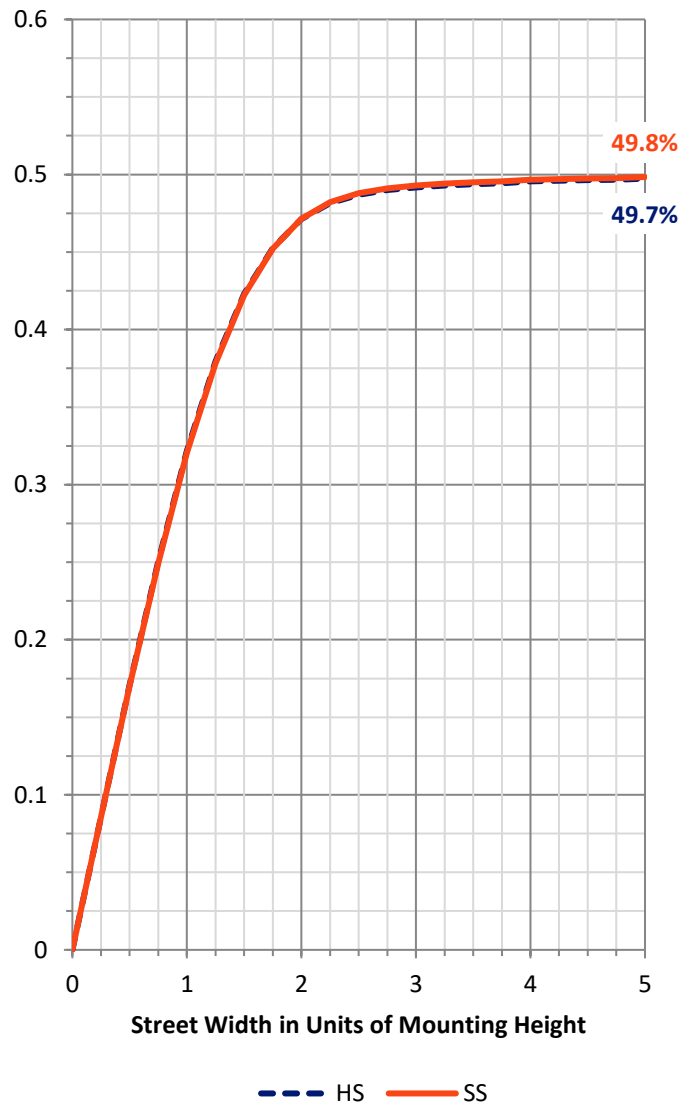
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30106.2	0.0	30106.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30106.2	0.0	30106.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	60212.4	0.0	60212.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	612.9	1.0
10°-20°	2052.5	3.4
20°-30°	4001.8	6.6
30°-40°	6722.7	11.2
40°-50°	10592.5	17.6
50°-60°	14165.7	23.5
60°-70°	13770.9	22.9
70°-80°	7527.8	12.5
80°-90°	765.6	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°	60212.4	100.0
0°-180°	60212.4	100.0

Coefficient of Utilization



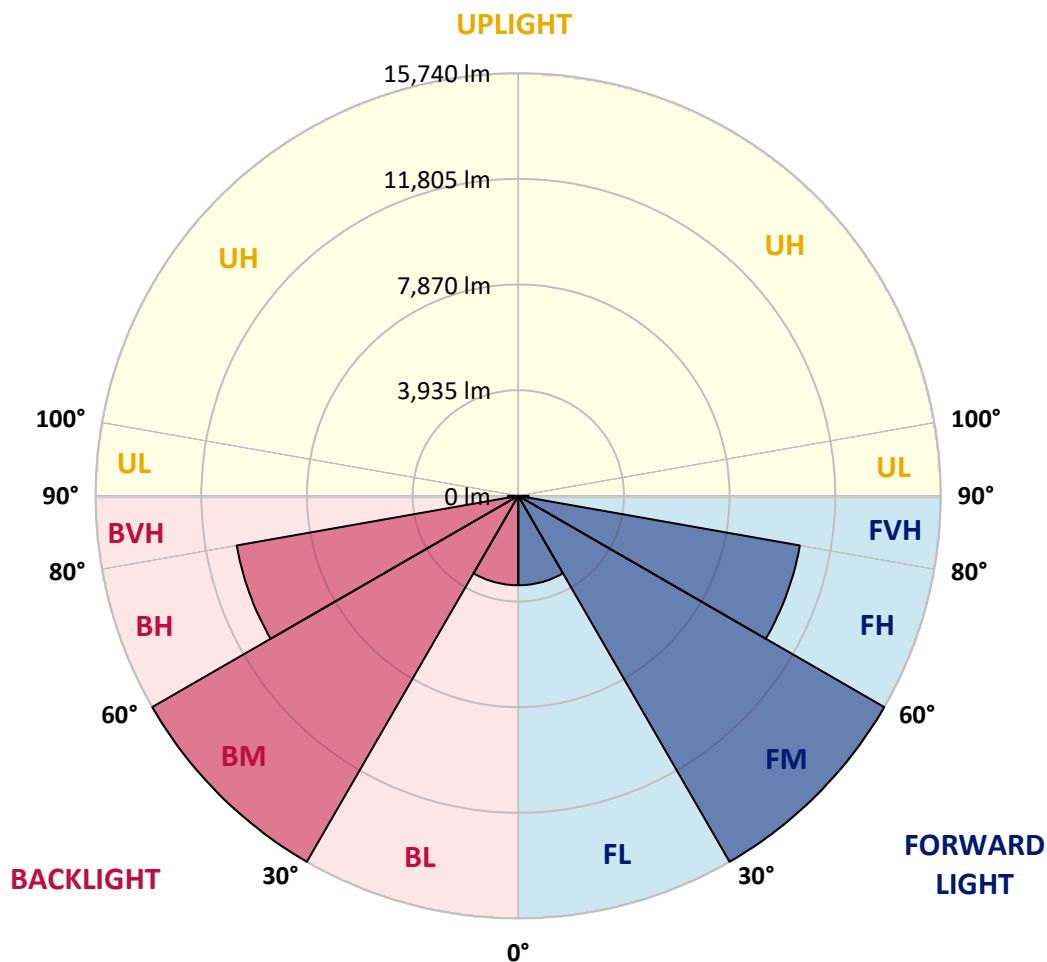
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3333.6	5.5			
FM (30°-60°)	15740.5	26.1			
FH (60°-80°)	10649.4	17.7			G4/12000
FVH (80°-90°)	382.8	0.6			G3/500
BL (0°-30°)	3333.6	5.5	B4/5000		
BM (30°-60°)	15740.5	26.1	B5		
BH (60°-80°)	10649.4	17.7	B5		G5
BVH (80°-90°)	382.8	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°	6260.7	6260.7	6260.7	6260.7	6260.7	6260.7	6260.7	6260.7	6260.7	6260.7	6260.7
2.5°	6216.2	6218.3	6228.4	6240.5	6250.6	6276.9	6282.9	6293.0	6297.0	6307.1	6307.1
5°	6161.7	6165.8	6190.0	6222.3	6258.7	6323.3	6369.7	6422.2	6448.5	6476.7	6474.7
7.5°	6155.7	6165.8	6200.1	6252.6	6313.2	6420.1	6517.1	6622.1	6692.7	6757.4	6753.3
10°	6218.3	6234.5	6282.9	6361.6	6452.5	6585.8	6729.0	6870.3	6993.5	7092.4	7096.5
12.5°	6313.2	6333.3	6410.1	6529.2	6666.4	6838.1	7007.7	7167.1	7336.8	7484.1	7496.3
15°	6438.3	6464.6	6579.7	6757.4	6967.3	7171.2	7352.9	7516.5	7712.3	7916.2	7936.4
17.5°	6624.0	6660.4	6811.8	7052.1	7328.7	7552.8	7742.6	7865.7	8029.3	8239.3	8277.5
20°	6906.8	6953.2	7145.0	7431.6	7768.8	8003.0	8148.3	8174.6	8255.4	8443.2	8487.5
22.5°	7274.2	7314.5	7528.6	7869.7	8247.3	8501.7	8578.4	8473.5	8465.3	8616.7	8659.2
25°	7684.1	7720.4	7968.6	8352.3	8758.0	9038.7	9036.7	8832.7	8691.4	8808.5	8853.0
27.5°	8144.3	8200.9	8439.1	8842.9	9276.9	9553.6	9537.4	9222.4	8953.9	8984.2	9022.6
30°	8673.3	8735.9	8968.0	9377.9	9812.0	10082.5	10062.3	9646.5	9242.6	9161.9	9190.1
32.5°	9329.4	9404.2	9624.2	10028.0	10411.5	10655.9	10597.3	10106.7	9589.9	9414.2	9440.5
35°	10118.8	10163.3	10395.4	10793.2	11104.0	11271.6	11148.5	10639.8	10030.0	9818.0	9818.0
37.5°	10918.3	10952.7	11213.1	11598.7	11899.5	11988.4	11748.1	11223.2	10605.4	10304.6	10310.6
40°	11685.5	11778.4	12071.2	12466.8	12763.6	12787.8	12468.9	11889.4	11245.4	10934.5	10970.8
42.5°	12487.0	12577.8	12927.2	13375.3	13637.9	13678.2	13304.7	12636.4	11968.2	11715.8	11756.2
45°	13201.7	13274.4	13678.2	14199.1	14526.2	14631.2	14189.0	13492.4	12749.5	12503.1	12513.3
47.5°	13700.4	13795.3	14239.5	14853.2	15329.6	15491.2	15057.2	14326.3	13518.7	13219.9	13246.1
50°	14152.6	14203.1	14653.3	15323.6	15929.3	16262.4	15890.9	15149.9	14296.0	13979.0	14007.3
52.5°	14405.0	14469.6	14905.7	15604.3	16321.0	16858.0	16631.9	15890.9	15047.0	14738.1	14772.5
55°	14229.4	14277.8	14800.7	15666.9	16563.2	17225.4	17259.8	16615.7	15784.0	15513.4	15610.3
57.5°	13429.8	13490.4	14128.4	15263.0	16593.6	17473.8	17732.2	17288.0	16472.4	16252.3	16308.9
60°	12180.2	12218.6	12898.9	14174.9	16004.0	17576.7	18033.0	17837.2	17146.7	16926.7	17003.4
62.5°	9953.3	10009.9	10823.5	12533.5	14758.3	17271.9	18323.7	18291.4	17774.6	17572.7	17641.4
65°	6803.7	6902.7	7803.1	9965.4	12838.3	16339.2	18588.2	18820.4	18329.8	18075.4	18166.3
67.5°	4108.5	4181.2	4833.3	6579.7	9824.1	14457.5	18315.6	19422.0	18721.5	18311.6	18386.3
68°	3672.4	3739.0	4284.2	5937.7	9087.2	13926.5	18067.4	19490.7	18763.9	18307.6	18374.2
70°	2218.8	2263.2	2628.6	3670.4	6058.8	11047.5	16373.4	19434.1	19034.4	18364.2	18402.4
72.5°	1445.6	1459.6	1520.3	1883.7	3095.0	6177.9	12289.2	18109.8	19440.2	18693.2	18687.1
75°	1201.2	1193.2	1199.3	1241.7	1526.3	2709.4	7181.3	14306.1	18531.6	18174.3	18047.2
77.5°	1015.5	1009.4	1007.5	1009.4	1021.5	1308.3	3117.2	8911.6	14180.9	16076.6	16189.7
80°	821.7	813.6	839.9	827.8	791.4	813.6	1306.2	3706.7	6684.7	7191.4	6739.2
82.5°	597.6	567.3	680.4	648.1	617.8	573.4	720.7	1197.2	1594.9	1094.3	769.2
85°	460.3	428.0	516.8	496.7	423.9	292.8	428.0	585.5	646.0	369.5	290.7
87.5°	187.8	197.9	373.5	294.7	248.4	141.3	175.7	234.2	315.0	157.4	121.1
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)