

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: P382603

Luminaire Tested: **GLEON-SA0A-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382603
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-SA0A-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 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: 43923.4 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

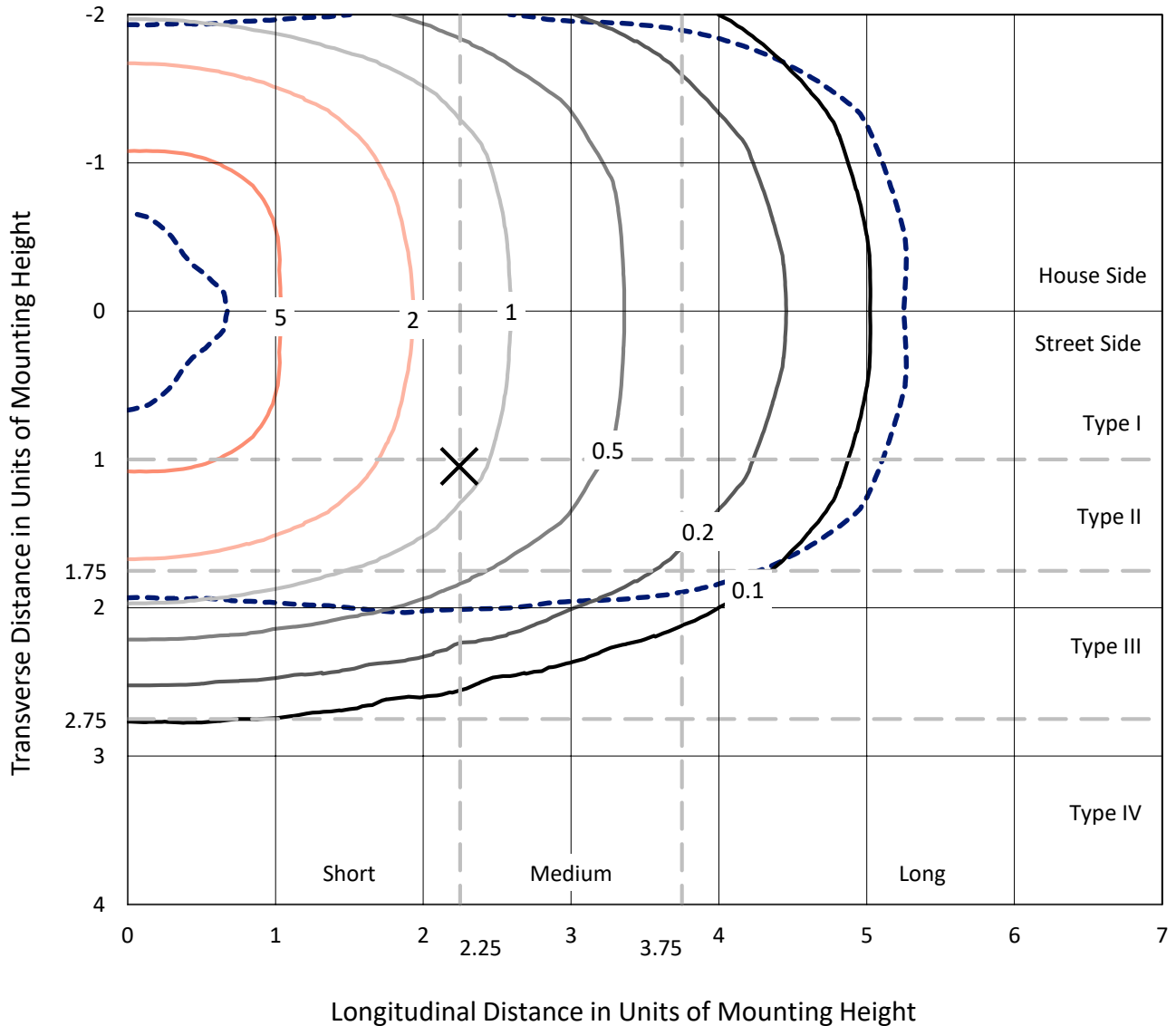
Input Watts (W): 323
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

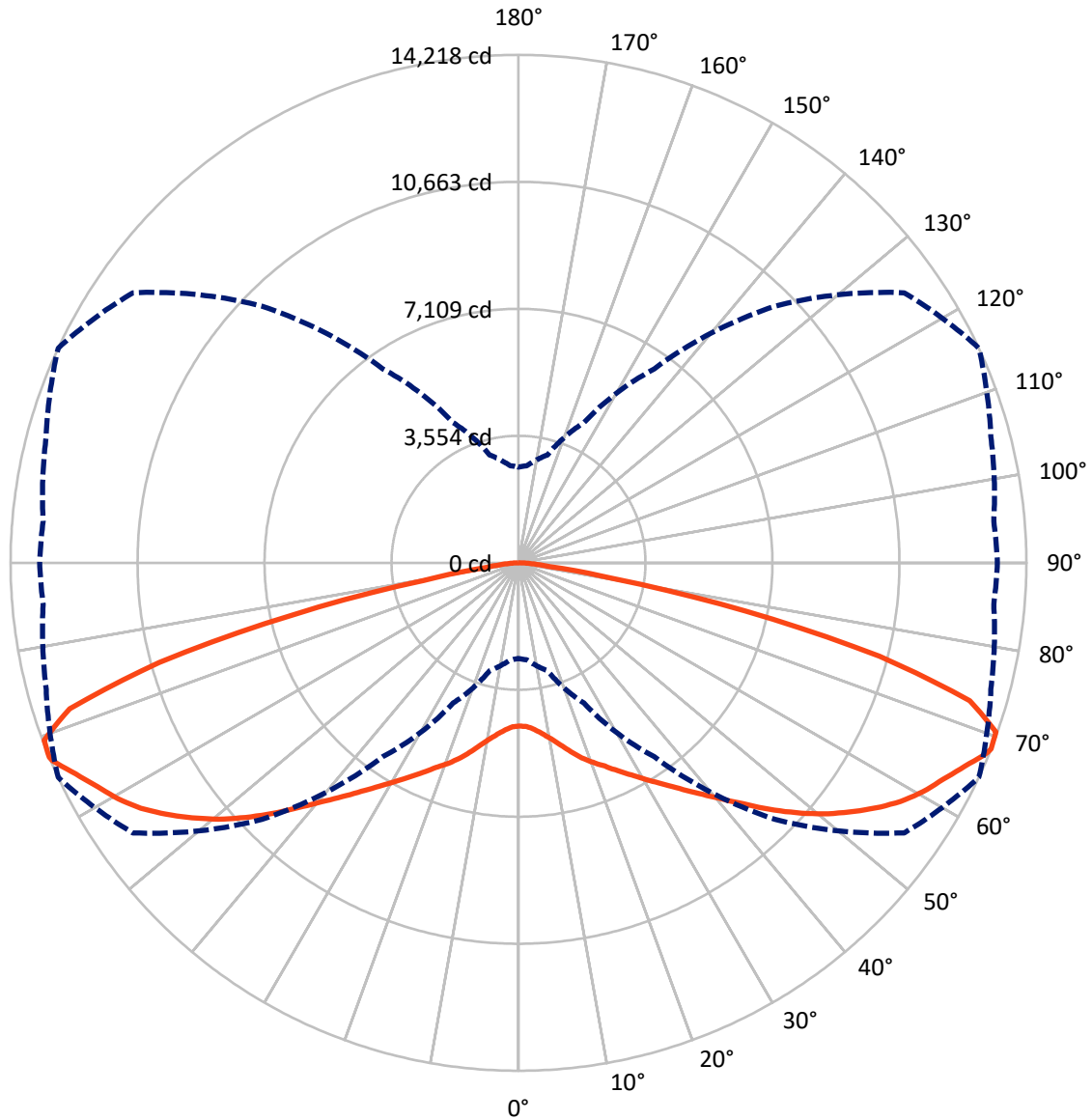
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	21961.7	0.0	21961.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21961.7	0.0	21961.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	43923.4	0.0	43923.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.1	1.0
10°-20°	1497.2	3.4
20°-30°	2919.2	6.6
30°-40°	4904.0	11.2
40°-50°	7727.0	17.6
50°-60°	10333.5	23.5
60°-70°	10045.5	22.9
70°-80°	5491.4	12.5
80°-90°	558.5	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°	43923.4	100.0
0°-180°	43923.4	100.0

Coefficient of Utilization



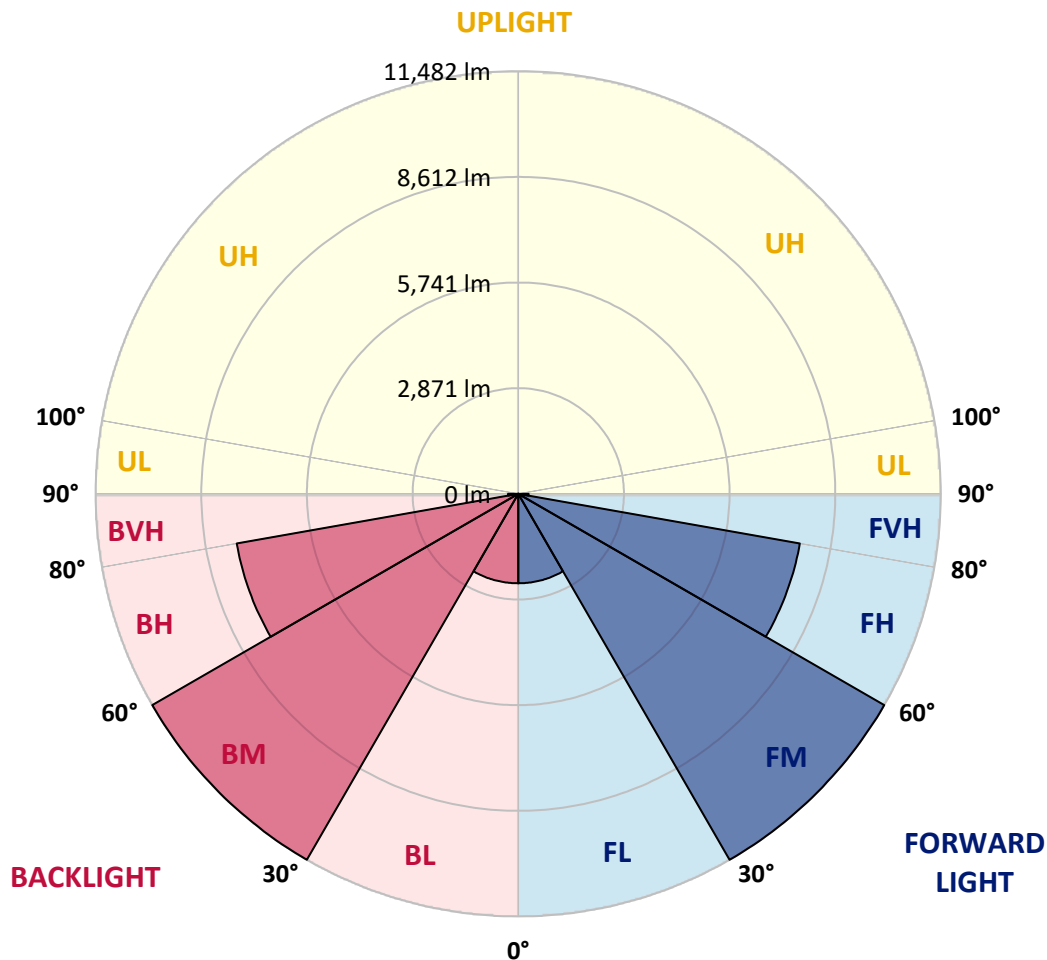
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2431.8	5.5			
FM (30°-60°)	11482.3	26.1			
FH (60°-80°)	7768.4	17.7			G4/12000
FVH (80°-90°)	279.2	0.6			G3/500
BL (0°-30°)	2431.8	5.5	B3/2500		
BM (30°-60°)	11482.3	26.1	B5		
BH (60°-80°)	7768.4	17.7	B5		G5
BVH (80°-90°)	279.2	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°	4567.0	4567.0	4567.0	4567.0	4567.0	4567.0	4567.0	4567.0	4567.0	4567.0	4567.0
2.5°	4534.6	4536.1	4543.4	4552.3	4559.6	4578.7	4583.2	4590.6	4593.6	4600.9	4600.9
5°	4494.8	4497.8	4515.5	4539.1	4565.5	4612.7	4646.6	4684.8	4703.9	4724.6	4723.1
7.5°	4490.4	4497.8	4522.8	4561.1	4605.3	4683.4	4754.1	4830.6	4882.1	4929.3	4926.4
10°	4536.1	4547.8	4583.2	4640.6	4706.9	4804.1	4908.7	5011.7	5101.6	5173.8	5176.7
12.5°	4605.3	4620.0	4676.0	4762.9	4863.1	4988.3	5112.0	5228.3	5352.0	5459.5	5468.3
15°	4696.6	4715.8	4799.7	4929.3	5082.4	5231.2	5363.8	5483.1	5625.9	5774.7	5789.4
17.5°	4832.1	4858.6	4969.1	5144.3	5346.1	5509.5	5648.0	5737.9	5857.1	6010.3	6038.3
20°	5038.3	5072.2	5212.1	5421.2	5667.2	5838.0	5944.0	5963.2	6022.1	6159.0	6191.4
22.5°	5306.3	5335.8	5491.8	5740.8	6016.2	6201.8	6257.8	6181.1	6175.2	6285.7	6316.6
25°	5605.3	5631.8	5813.0	6092.8	6388.8	6593.5	6592.0	6443.3	6340.2	6425.6	6458.0
27.5°	5941.0	5982.3	6156.1	6450.7	6767.3	6969.1	6957.3	6727.5	6531.6	6553.7	6581.8
30°	6327.0	6372.6	6542.0	6840.9	7157.5	7354.9	7340.2	7036.8	6742.3	6683.4	6704.0
32.5°	6805.6	6860.1	7020.6	7315.2	7595.0	7773.2	7730.4	7372.5	6995.5	6867.5	6886.6
35°	7381.4	7413.8	7583.2	7873.3	8100.1	8222.4	8132.5	7761.4	7316.7	7162.0	7162.0
37.5°	7964.6	7989.7	8179.6	8461.0	8680.3	8745.2	8570.0	8187.0	7736.3	7516.9	7521.3
40°	8524.3	8592.0	8805.5	9094.2	9310.7	9328.4	9095.7	8673.0	8203.2	7976.4	8002.9
42.5°	9109.0	9175.3	9430.1	9756.9	9948.5	9977.9	9705.4	9217.9	8730.5	8546.4	8575.8
45°	9630.3	9683.3	9977.9	10357.9	10596.4	10673.0	10350.5	9842.4	9300.4	9120.8	9128.1
47.5°	9994.1	10063.3	10387.3	10835.0	11182.6	11300.4	10983.8	10450.7	9861.5	9643.6	9662.8
50°	10324.0	10360.8	10689.2	11178.2	11620.0	11863.0	11592.0	11051.5	10428.6	10197.4	10218.0
52.5°	10508.0	10555.2	10873.3	11382.9	11905.7	12297.5	12132.5	11592.0	10976.4	10751.1	10776.1
55°	10380.0	10415.3	10796.7	11428.5	12082.5	12565.6	12590.5	12120.7	11513.9	11316.6	11387.3
57.5°	9796.7	9841.0	10306.3	11134.0	12104.5	12746.6	12935.2	12611.2	12016.2	11855.6	11896.9
60°	8885.1	8913.0	9409.4	10340.2	11674.5	12821.7	13154.6	13011.8	12508.1	12347.6	12403.5
62.5°	7260.7	7301.9	7895.4	9142.9	10765.8	12599.4	13366.7	13343.1	12966.1	12818.8	12868.9
65°	4963.2	5035.3	5692.2	7269.5	9365.2	11919.0	13559.6	13729.0	13371.1	13185.5	13251.8
67.5°	2997.1	3050.1	3525.7	4799.7	7166.4	10546.3	13360.8	14167.9	13656.9	13357.8	13412.3
68°	2678.9	2727.6	3125.2	4331.3	6628.9	10159.0	13179.6	14217.9	13687.8	13354.9	13403.5
70°	1618.6	1651.0	1917.5	2677.5	4419.7	8058.9	11944.0	14176.7	13885.1	13396.1	13424.2
72.5°	1054.5	1064.8	1109.0	1374.0	2257.7	4506.6	8964.7	13210.6	14181.1	13636.2	13631.8
75°	876.3	870.4	874.8	905.7	1113.4	1976.5	5238.6	10435.9	13518.3	13257.7	13164.9
77.5°	740.8	736.4	734.9	736.4	745.2	954.4	2273.9	6500.7	10344.6	11727.5	11810.0
80°	599.5	593.5	612.7	603.8	577.3	593.5	952.9	2704.0	4876.3	5245.9	4916.1
82.5°	436.0	413.9	496.3	472.8	450.7	418.3	525.8	873.3	1163.5	798.2	561.2
85°	335.8	312.3	377.0	362.3	309.3	213.5	312.3	427.1	471.3	269.5	212.1
87.5°	136.9	144.3	272.5	215.0	181.2	103.1	128.1	170.8	229.7	114.9	88.4
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)