

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: P383438

Luminaire Tested: **GLEON-SA7C-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383438
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-SA7C-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48957.5 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

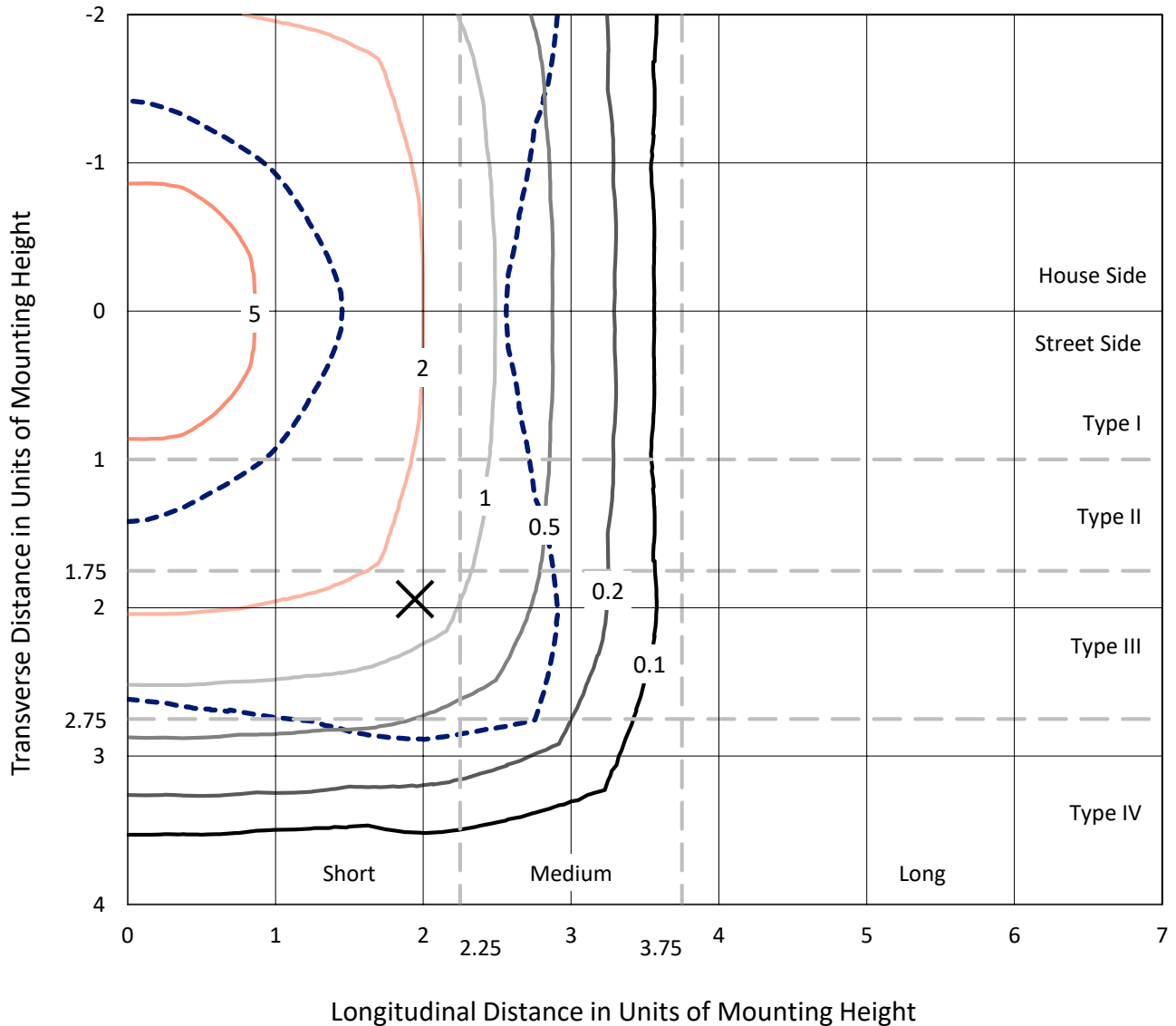
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

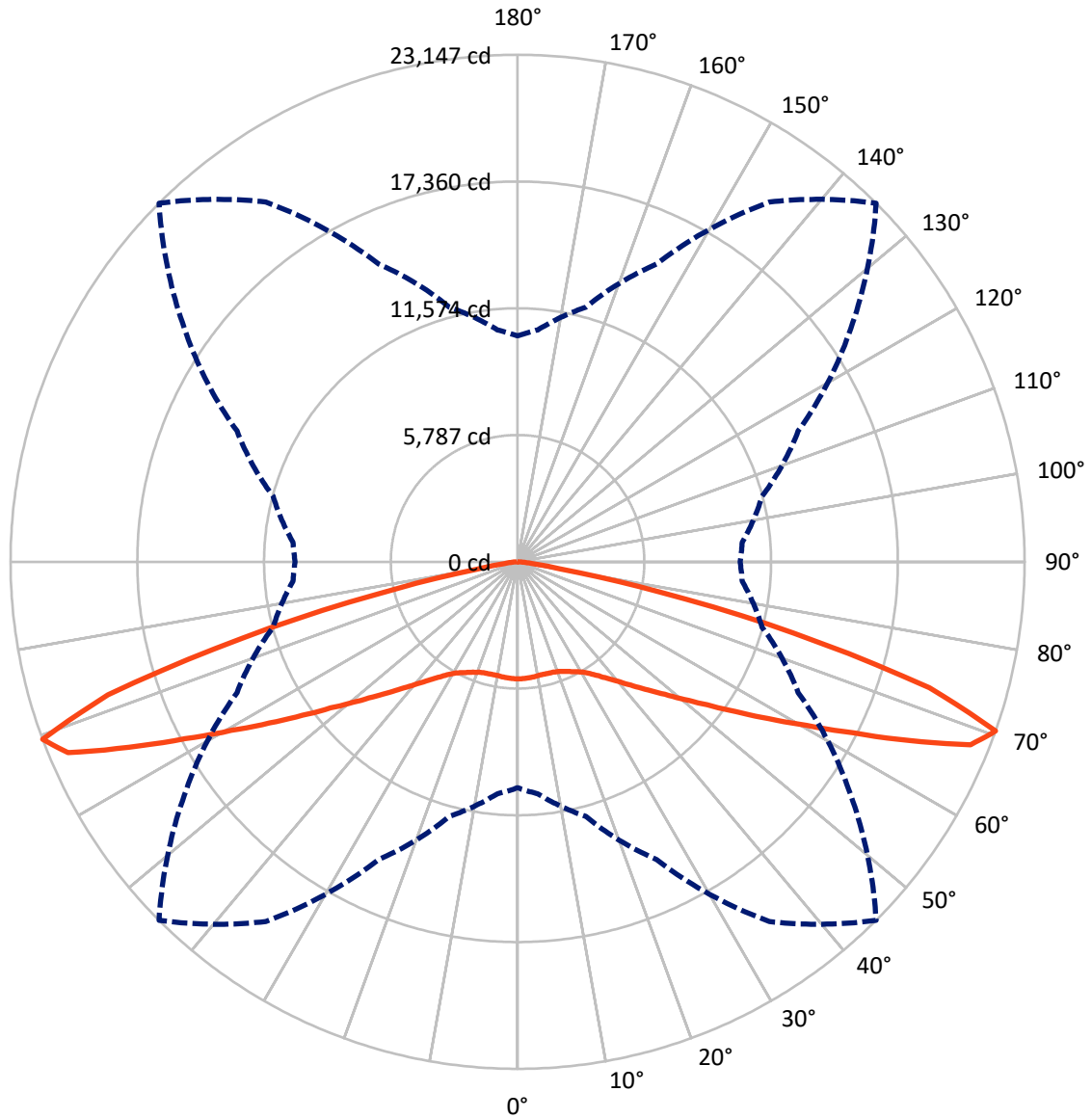
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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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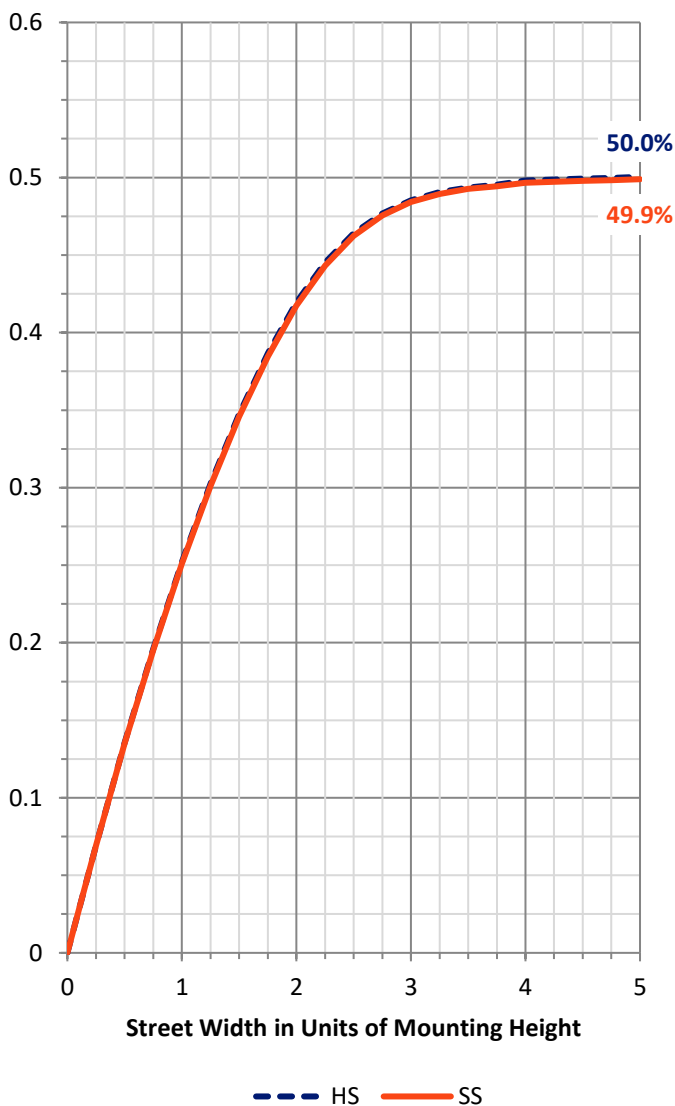
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24478.7	0.0	24478.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24478.7	0.0	24478.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	48957.5	0.0	48957.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.4	1.0
10°-20°	1486.7	3.0
20°-30°	2530.8	5.2
30°-40°	4013.9	8.2
40°-50°	6531.8	13.3
50°-60°	10769.7	22.0
60°-70°	15810.3	32.3
70°-80°	6991.3	14.3
80°-90°	316.6	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°	48957.5	100.0
0°-180°	48957.5	100.0

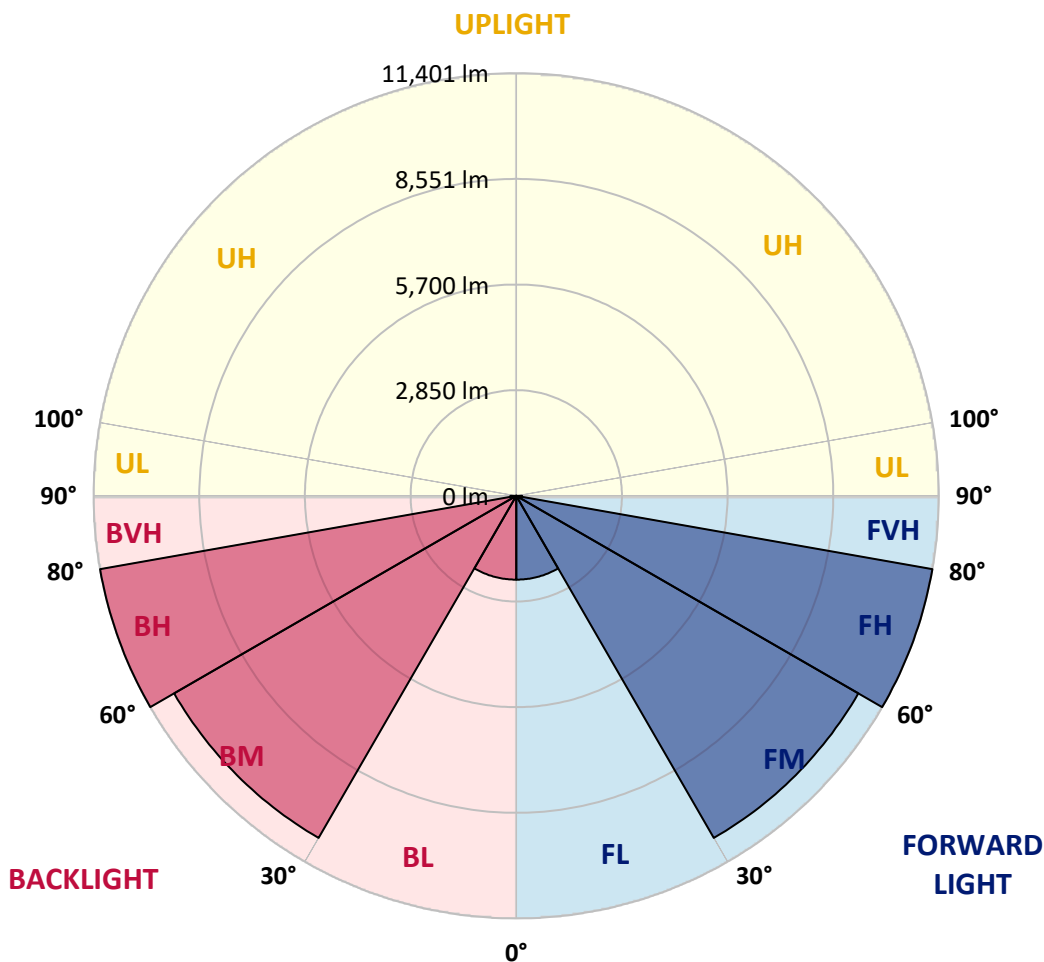


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2262.0	4.6			
FM (30°-60°)	10657.7	21.8			
FH (60°-80°)	11400.8	23.3			G4/12000
FVH (80°-90°)	158.3	0.3			G2/225
BL (0°-30°)	2262.0	4.6	B3/2500		
BM (30°-60°)	10657.7	21.8	B5		
BH (60°-80°)	11400.8	23.3	B5		G4/12000
BVH (80°-90°)	158.3	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°	5346.9	5346.9	5346.9	5346.9	5346.9	5346.9	5346.9	5346.9	5346.9	5346.9	5346.9
2.5°	5338.8	5333.9	5345.3	5343.6	5333.9	5335.5	5335.5	5340.5	5340.5	5337.2	5337.2
5°	5319.4	5316.2	5329.1	5329.1	5319.4	5322.6	5325.8	5330.7	5329.1	5325.8	5324.3
7.5°	5295.1	5293.4	5306.4	5306.4	5299.9	5303.2	5299.9	5301.5	5298.3	5295.1	5290.2
10°	5254.6	5257.8	5269.1	5272.4	5272.4	5274.0	5270.8	5262.7	5257.8	5252.9	5248.1
12.5°	5217.3	5215.6	5231.9	5240.0	5252.9	5267.5	5257.8	5235.1	5225.4	5215.6	5212.5
15°	5193.0	5194.6	5210.8	5225.4	5248.1	5278.9	5267.5	5231.9	5212.5	5201.1	5197.8
17.5°	5188.2	5191.3	5212.5	5238.4	5262.7	5296.7	5290.2	5254.6	5222.2	5201.1	5196.3
20°	5199.4	5201.1	5233.5	5270.8	5312.9	5345.3	5330.7	5291.8	5248.1	5215.6	5207.5
22.5°	5220.6	5227.0	5267.5	5325.8	5390.7	5434.4	5416.6	5350.2	5282.2	5241.6	5230.3
25°	5287.0	5288.6	5343.6	5423.1	5500.9	5551.1	5530.0	5436.0	5348.6	5303.2	5288.6
27.5°	5424.7	5429.5	5484.7	5577.0	5643.4	5675.8	5662.9	5586.7	5512.2	5463.6	5468.5
30°	5624.0	5630.5	5692.0	5794.1	5834.7	5842.8	5839.5	5803.8	5735.8	5671.0	5675.8
32.5°	5867.1	5870.2	5952.9	6045.3	6077.7	6084.1	6077.7	6045.3	5964.2	5876.8	5881.6
35°	6179.7	6189.5	6268.8	6358.0	6383.9	6396.8	6385.5	6343.4	6259.2	6173.3	6170.0
37.5°	6565.4	6566.9	6649.7	6742.0	6774.4	6777.7	6764.6	6737.1	6631.8	6554.0	6549.2
40°	7012.6	7019.0	7116.3	7215.1	7228.1	7213.4	7231.3	7215.1	7106.5	7017.4	7032.0
42.5°	7557.0	7571.5	7688.2	7785.4	7748.1	7740.0	7751.4	7756.3	7668.8	7560.3	7550.5
45°	8190.5	8203.5	8349.3	8427.1	8402.7	8349.3	8372.0	8410.9	8289.4	8154.9	8167.8
47.5°	8913.1	8945.6	9101.1	9174.0	9114.1	9041.1	9084.9	9143.2	9000.6	8833.8	8825.7
50°	9716.8	9757.3	9964.7	10066.8	10006.9	9872.4	9945.3	9984.1	9778.4	9562.9	9545.1
52.5°	10573.9	10614.4	10875.4	11086.0	11047.0	10838.0	10940.1	10899.6	10663.1	10373.1	10350.3
55°	11544.5	11560.7	11842.6	12182.9	12221.7	12067.8	12061.4	11994.9	11644.9	11309.5	11293.3
57.5°	12542.5	12553.9	12918.5	13320.3	13503.4	13503.4	13322.0	13180.9	12715.9	12327.1	12286.6
60°	13620.1	13660.6	14064.0	14610.0	15037.8	15164.2	14843.4	14459.4	13953.8	13479.1	13432.1
62.5°	14579.3	14626.2	15243.6	16057.0	16743.9	17204.1	16419.9	15794.5	14874.1	14112.7	14023.5
65°	14700.8	14827.2	15726.4	17199.3	18736.9	19655.6	18152.0	16611.1	14934.1	13876.1	13785.3
67.5°	13425.7	13639.5	14854.7	17147.4	20324.8	22296.7	19258.6	16144.5	13858.3	12688.4	12587.9
70°	10316.3	10627.4	12029.0	14998.9	20050.9	23147.3	18565.2	14133.7	11554.2	10295.3	10154.2
72.5°	5659.6	5787.6	7048.2	10271.0	16074.8	19670.2	15485.0	10450.8	7662.3	6234.8	5998.2
75°	1795.3	1840.6	2482.3	4203.0	9093.0	13028.6	9836.7	5129.8	2824.2	2082.1	2057.8
77.5°	797.2	802.1	897.6	1226.6	3132.0	6601.0	3762.2	1396.7	962.5	840.9	868.5
80°	503.9	503.9	555.8	607.6	852.3	1916.8	1017.5	664.3	567.1	526.6	538.0
82.5°	241.5	267.4	361.3	388.8	468.3	644.9	521.8	434.2	379.1	281.9	262.5
85°	158.8	132.8	228.4	257.7	272.2	309.5	303.0	286.8	247.9	140.9	157.2
87.5°	71.3	68.1	118.3	108.5	102.1	77.8	116.6	144.2	139.4	69.7	69.7
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)