

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: P383410

Luminaire Tested: **GLEON-SA7B-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383410
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-SA7B-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39555.3 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

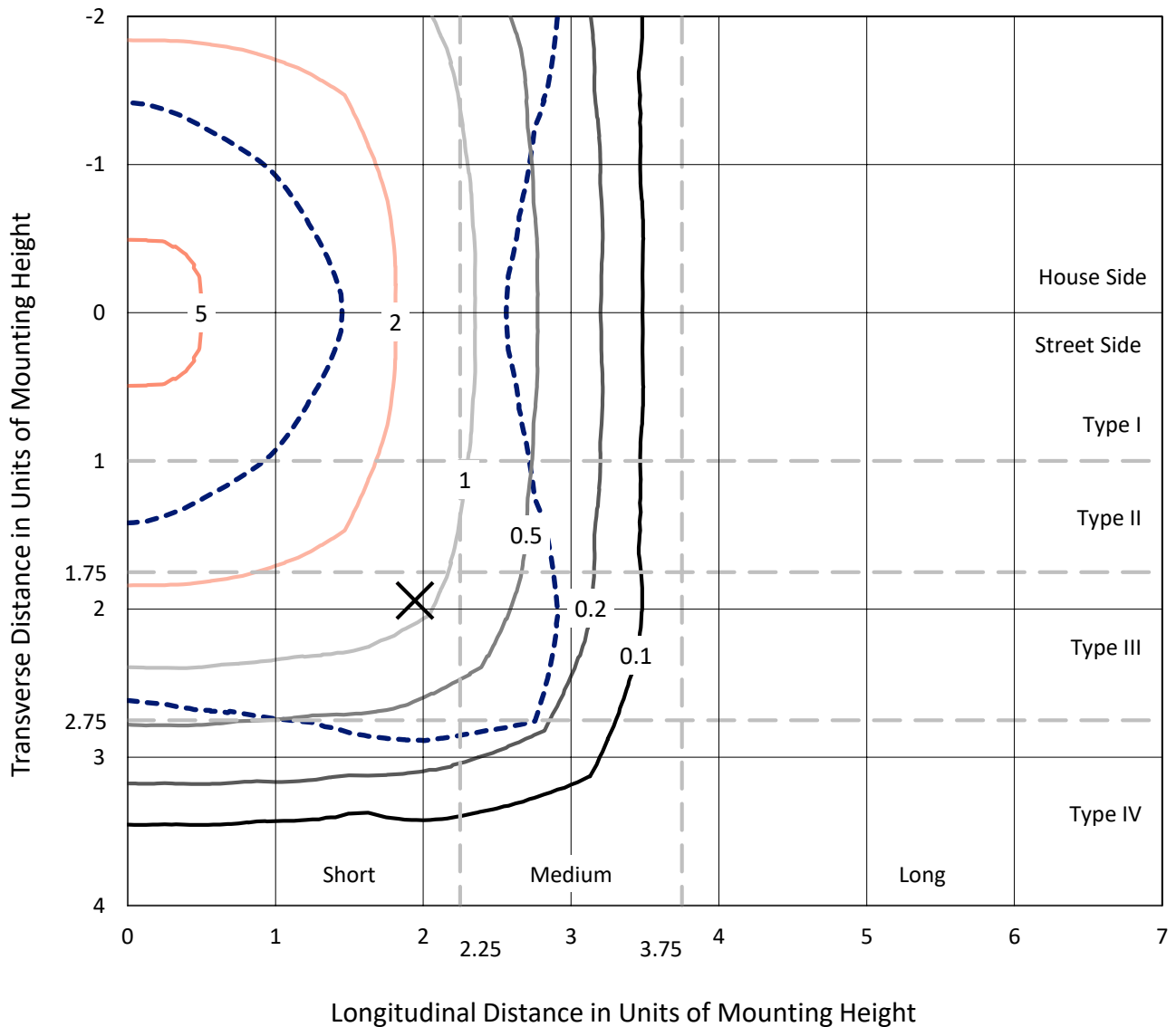
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

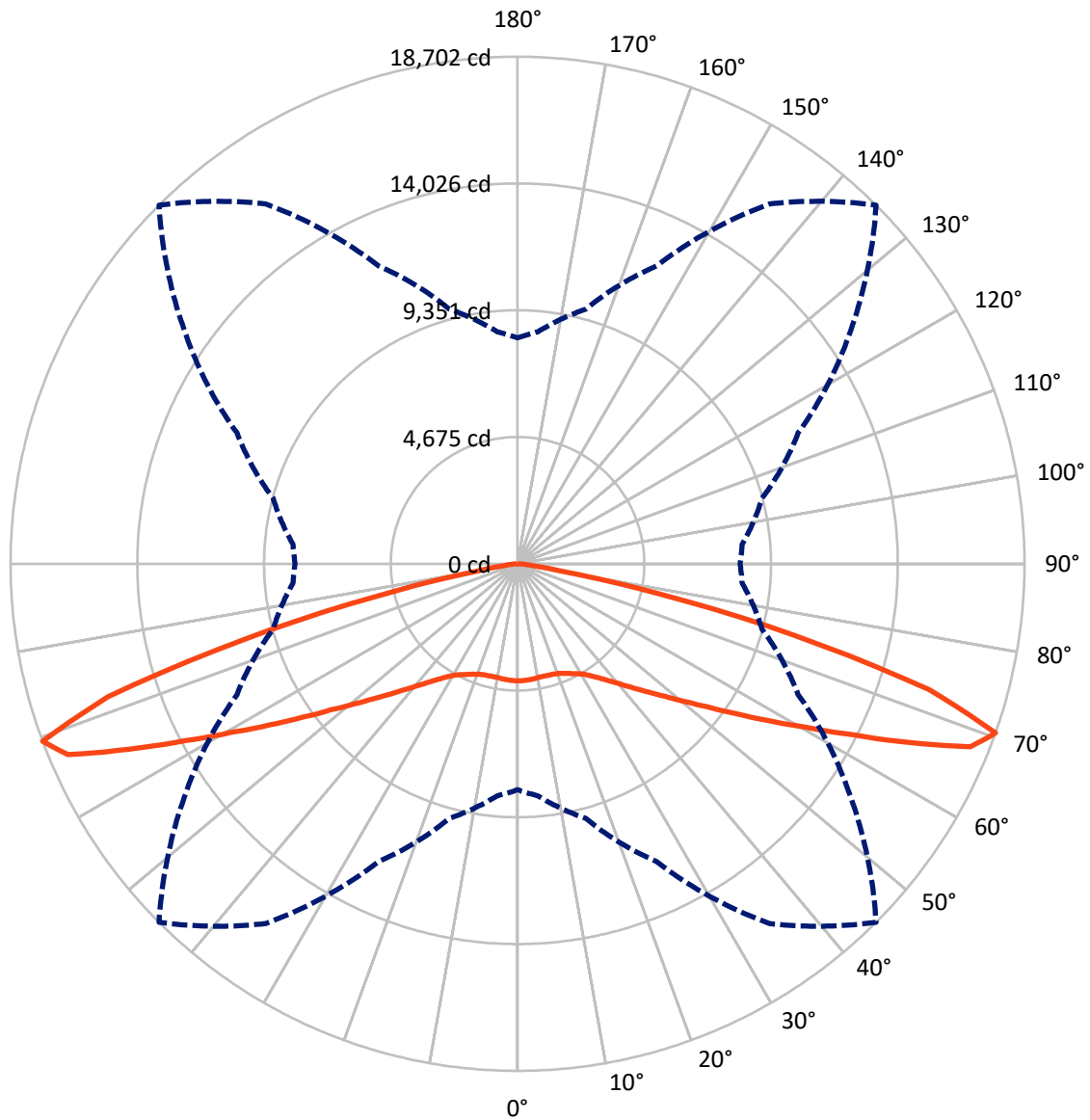
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	19777.7	0.0	19777.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19777.7	0.0	19777.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	39555.3	0.0	39555.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.2	1.0
10°-20°	1201.2	3.0
20°-30°	2044.8	5.2
30°-40°	3243.0	8.2
40°-50°	5277.4	13.3
50°-60°	8701.4	22.0
60°-70°	12774.0	32.3
70°-80°	5648.6	14.3
80°-90°	255.8	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°	39555.3	100.0
0°-180°	39555.3	100.0

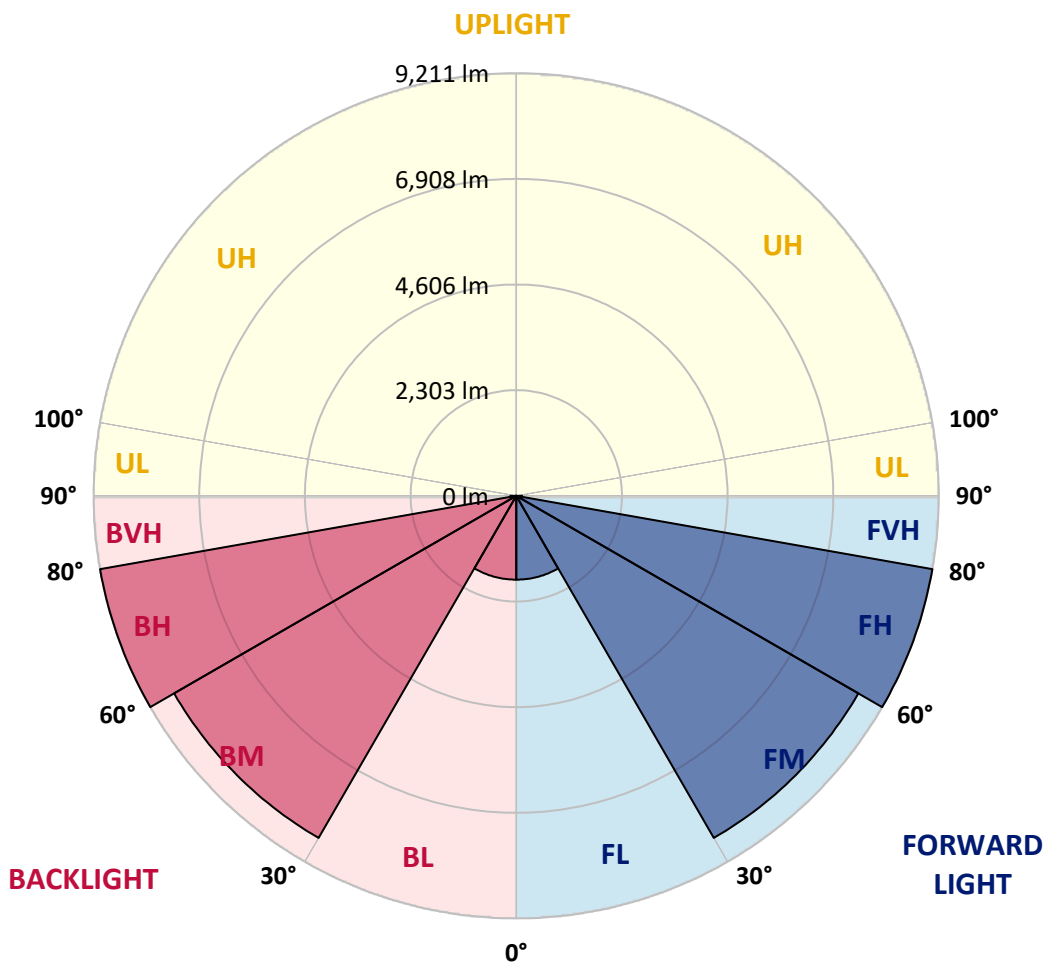


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1827.6	4.6			
FM (30°-60°)	8610.9	21.8			
FH (60°-80°)	9211.3	23.3			G4/12000
FVH (80°-90°)	127.9	0.3			G2/225
BL (0°-30°)	1827.6	4.6	B3/2500		
BM (30°-60°)	8610.9	21.8	B5		
BH (60°-80°)	9211.3	23.3	B5		G4/12000
BVH (80°-90°)	127.9	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°	4320.1	4320.1	4320.1	4320.1	4320.1	4320.1	4320.1	4320.1	4320.1	4320.1	4320.1
2.5°	4313.5	4309.6	4318.7	4317.4	4309.6	4310.9	4310.9	4314.8	4314.8	4312.2	4312.2
5°	4297.8	4295.2	4305.7	4305.7	4297.8	4300.4	4303.0	4307.0	4305.7	4303.0	4301.7
7.5°	4278.1	4276.8	4287.4	4287.4	4282.1	4284.7	4282.1	4283.4	4280.8	4278.1	4274.2
10°	4245.4	4248.0	4257.3	4259.9	4259.9	4261.2	4258.6	4252.0	4248.0	4244.1	4240.2
12.5°	4215.3	4214.0	4227.1	4233.7	4244.1	4256.0	4248.0	4229.7	4221.9	4214.0	4211.4
15°	4195.7	4197.0	4210.1	4221.9	4240.2	4265.1	4256.0	4227.1	4211.4	4202.2	4199.6
17.5°	4191.8	4194.4	4211.4	4232.4	4252.0	4279.4	4274.2	4245.4	4219.3	4202.2	4198.3
20°	4200.9	4202.2	4228.4	4258.6	4292.6	4318.7	4307.0	4275.5	4240.2	4214.0	4207.5
22.5°	4218.0	4223.2	4256.0	4303.0	4355.5	4390.8	4376.3	4322.7	4267.7	4235.0	4225.8
25°	4271.6	4272.9	4317.4	4381.6	4444.4	4485.0	4468.0	4392.1	4321.4	4284.7	4272.9
27.5°	4382.9	4386.8	4431.4	4506.0	4559.6	4585.8	4575.3	4513.8	4453.6	4414.3	4418.2
30°	4543.9	4549.1	4598.9	4681.4	4714.1	4720.6	4718.0	4689.2	4634.3	4581.9	4585.8
32.5°	4740.3	4742.9	4809.7	4884.3	4910.5	4915.7	4910.5	4884.3	4818.8	4748.1	4752.1
35°	4992.9	5000.8	5064.9	5136.9	5157.9	5168.3	5159.2	5125.2	5057.1	4987.7	4985.1
37.5°	5304.5	5305.8	5372.6	5447.2	5473.4	5476.0	5465.6	5443.3	5358.2	5295.4	5291.4
40°	5665.9	5671.1	5749.6	5829.4	5840.0	5828.1	5842.6	5829.4	5741.8	5669.8	5681.5
42.5°	6105.6	6117.5	6211.7	6290.3	6260.2	6253.6	6262.8	6266.7	6196.0	6108.3	6100.4
45°	6617.5	6628.1	6745.8	6808.7	6789.0	6745.8	6764.2	6795.5	6697.4	6588.7	6599.2
47.5°	7201.4	7227.6	7353.3	7412.1	7363.7	7304.8	7340.2	7387.3	7272.1	7137.2	7130.7
50°	7850.7	7883.5	8051.0	8133.5	8085.1	7976.4	8035.3	8066.7	7900.5	7726.3	7712.0
52.5°	8543.2	8576.0	8786.7	8956.9	8925.5	8756.6	8839.1	8806.4	8615.2	8380.9	8362.6
55°	9327.4	9340.5	9568.3	9843.2	9874.6	9750.2	9745.0	9691.4	9408.5	9137.6	9124.5
57.5°	10133.8	10143.0	10437.5	10762.2	10910.1	10910.1	10763.5	10649.6	10273.9	9959.7	9926.9
60°	11004.4	11037.1	11363.1	11804.2	12149.8	12252.0	11992.7	11682.5	11274.1	10890.4	10852.5
62.5°	11779.3	11817.3	12316.1	12973.3	13528.3	13900.1	13266.5	12761.2	12017.6	11402.3	11330.3
65°	11877.5	11979.7	12706.2	13896.2	15138.6	15880.8	14665.9	13421.0	12066.1	11211.2	11137.9
67.5°	10847.3	11020.1	12001.9	13854.3	16421.5	18014.6	15560.1	13044.0	11196.8	10251.7	10170.5
70°	8335.1	8586.4	9718.8	12118.4	16200.3	18701.9	14999.8	11419.4	9335.2	8318.1	8204.2
72.5°	4572.7	4676.2	5694.6	8298.4	12987.6	15892.6	12511.2	8443.7	6190.8	5037.4	4846.3
75°	1450.5	1487.1	2005.5	3395.9	7346.7	10526.6	7947.6	4144.6	2281.7	1682.2	1662.5
77.5°	644.1	648.0	725.2	991.0	2530.5	5333.3	3039.7	1128.5	777.7	679.5	701.6
80°	407.2	407.2	449.0	490.9	688.6	1548.7	822.1	536.8	458.2	425.4	434.7
82.5°	195.1	216.0	291.9	314.2	378.3	521.0	421.5	350.8	306.3	227.8	212.1
85°	128.3	107.3	184.5	208.1	219.9	250.0	244.8	231.7	200.3	113.9	127.0
87.5°	57.6	55.0	95.6	87.8	82.4	62.9	94.3	116.5	112.6	56.3	56.3
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)