

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: P383383

Luminaire Tested: **GLEON-SA7A-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA7A-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31674.5 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

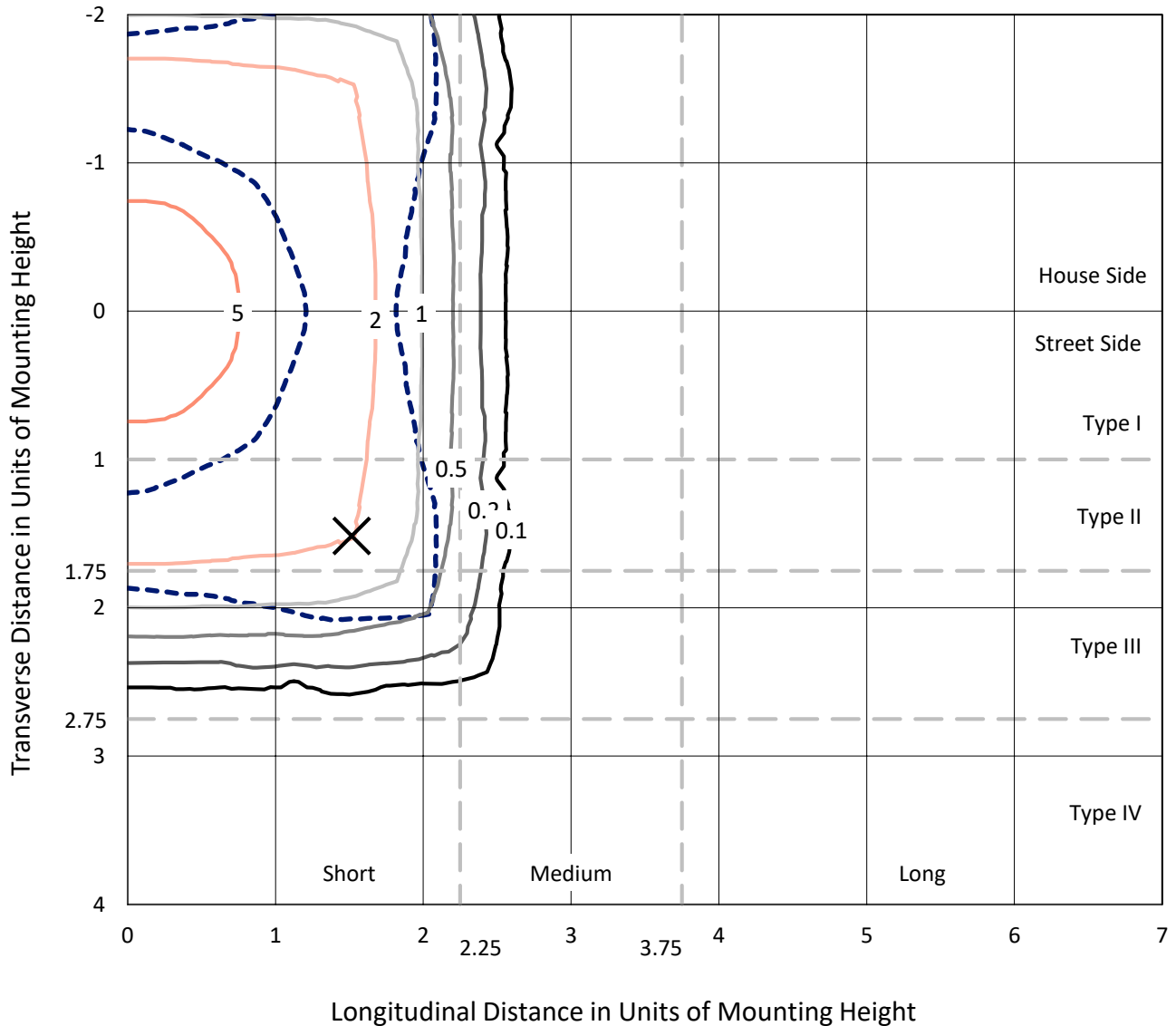
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

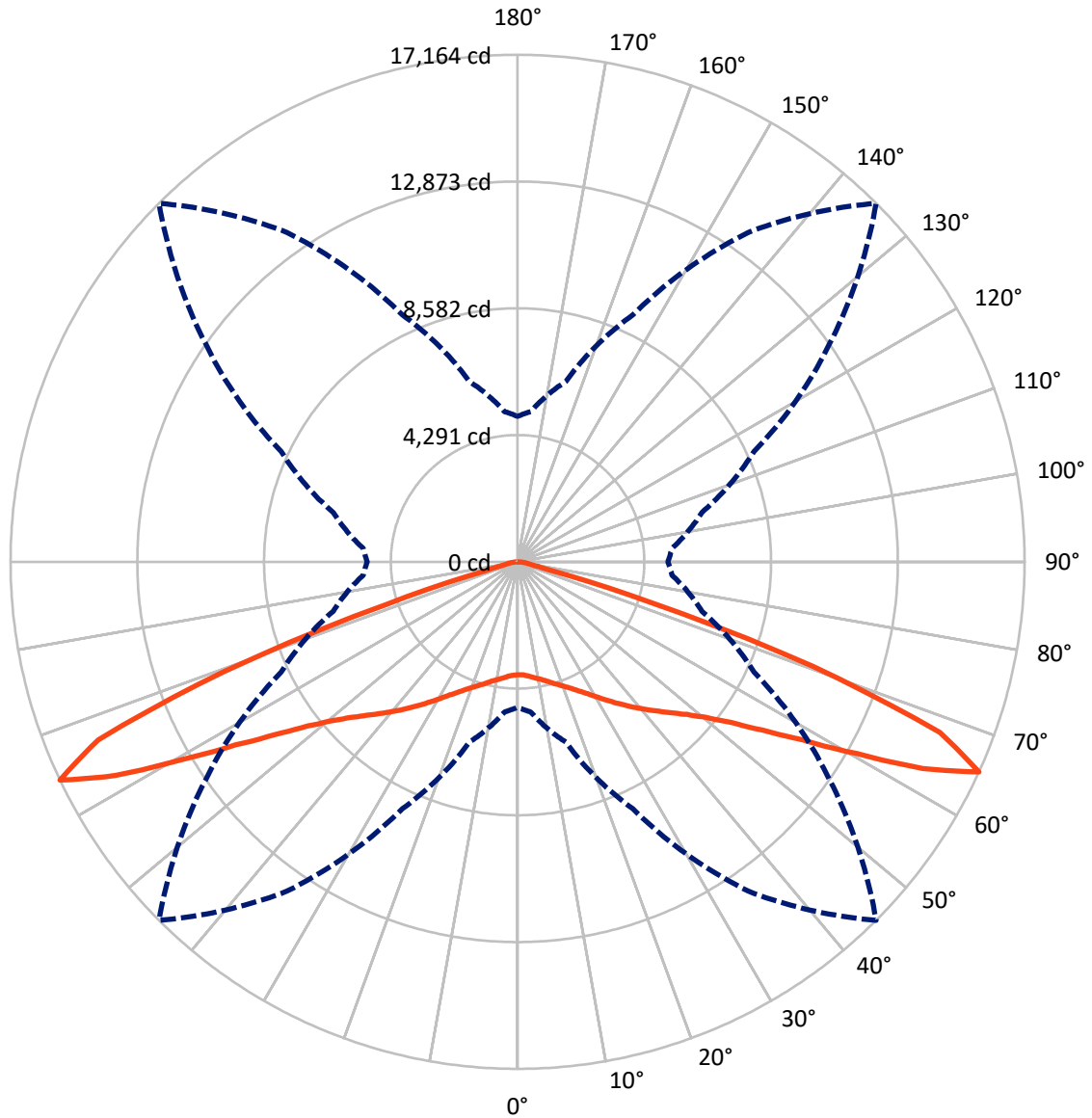
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15837.2	0.0	15837.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15837.2	0.0	15837.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	31674.5	0.0	31674.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.3	1.2
10°-20°	1206.3	3.8
20°-30°	2263.2	7.1
30°-40°	3742.9	11.8
40°-50°	5797.3	18.3
50°-60°	8891.4	28.1
60°-70°	8296.7	26.2
70°-80°	965.6	3.0
80°-90°	135.7	0.4
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°	31674.5	100.0
0°-180°	31674.5	100.0

Coefficient of Utilization



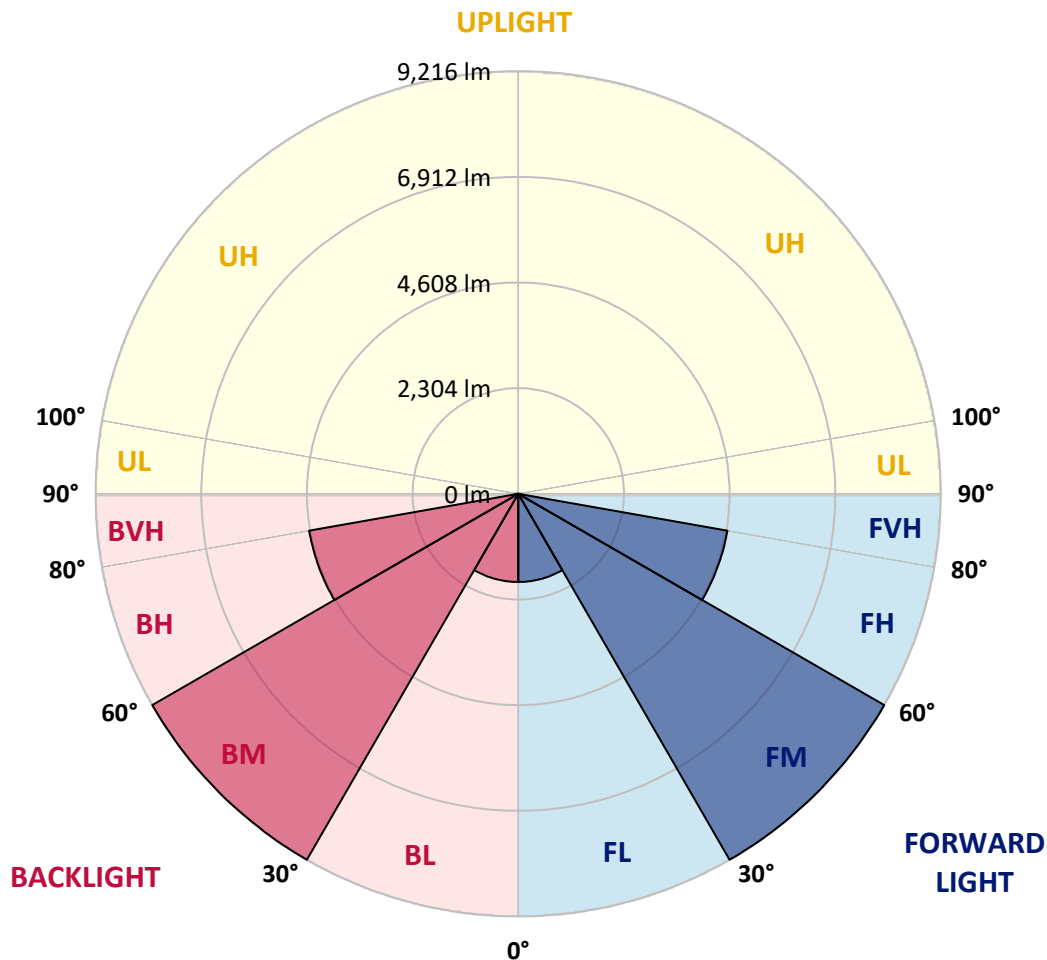
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1922.4	6.1			
FM (30°-60°)	9215.8	29.1			
FH (60°-80°)	4631.2	14.6			G2/5000
FVH (80°-90°)	67.8	0.2			G1/100
BL (0°-30°)	1922.4	6.1	B3/2500		
BM (30°-60°)	9215.8	29.1	B5		
BH (60°-80°)	4631.2	14.6	B4/5000		G2/5000
BVH (80°-90°)	67.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3825.1	3825.1	3825.1	3825.1	3825.1	3825.1	3825.1	3825.1	3825.1	3825.1	3825.1
2.5°	3837.7	3835.6	3837.7	3838.7	3832.5	3835.6	3834.5	3839.8	3841.9	3839.8	3839.8
5°	3881.9	3878.7	3883.0	3888.2	3879.8	3881.9	3878.7	3885.0	3887.2	3883.0	3886.0
7.5°	3942.9	3943.9	3948.1	3957.6	3952.3	3956.6	3950.2	3951.3	3950.2	3943.9	3944.9
10°	4009.1	4010.1	4017.5	4030.2	4032.2	4032.2	4028.0	4024.8	4020.7	4016.5	4017.5
12.5°	4089.0	4094.2	4099.6	4115.3	4115.3	4123.7	4121.6	4113.2	4105.8	4099.6	4099.6
15°	4197.3	4196.2	4202.6	4218.3	4225.7	4239.4	4239.4	4227.8	4218.3	4212.0	4209.9
17.5°	4310.8	4314.0	4318.2	4337.1	4348.7	4364.5	4366.5	4357.1	4350.8	4342.4	4337.1
20°	4443.3	4448.6	4465.4	4472.7	4483.3	4498.0	4503.3	4501.1	4494.8	4490.6	4491.7
22.5°	4597.9	4611.5	4622.1	4632.6	4645.2	4655.7	4661.0	4668.4	4662.0	4658.9	4656.8
25°	4785.1	4794.5	4815.5	4834.5	4842.8	4846.0	4852.3	4862.9	4861.8	4854.5	4854.5
27.5°	4997.5	5015.3	5041.6	5068.9	5068.9	5058.4	5079.4	5097.3	5091.0	5081.6	5068.9
30°	5255.0	5271.8	5302.4	5340.2	5321.3	5313.9	5342.3	5374.9	5365.4	5349.7	5347.5
32.5°	5532.6	5548.4	5588.4	5629.3	5605.1	5594.7	5625.2	5672.5	5655.6	5624.1	5605.1
35°	5833.4	5849.1	5905.8	5955.3	5914.3	5896.4	5921.7	5973.2	5943.7	5884.9	5870.1
37.5°	6160.3	6168.7	6242.3	6292.8	6264.4	6217.1	6248.6	6286.5	6261.2	6189.8	6161.3
40°	6500.0	6530.4	6615.6	6674.4	6625.1	6550.4	6603.0	6655.5	6617.7	6526.2	6477.9
42.5°	6896.3	6919.4	7033.0	7085.5	7005.7	6900.5	6972.0	7043.5	7005.7	6917.3	6875.3
45°	7308.5	7344.2	7479.9	7532.4	7416.8	7283.2	7370.5	7495.6	7492.4	7365.3	7321.1
47.5°	7757.5	7793.1	7955.1	8024.5	7899.3	7720.7	7843.6	8020.3	8007.7	7867.9	7832.1
50°	8275.8	8313.6	8515.6	8602.7	8486.1	8277.9	8462.9	8618.6	8595.4	8423.0	8426.1
52.5°	8926.6	8924.5	9175.8	9327.2	9207.3	9023.3	9193.7	9345.1	9249.4	9010.8	9003.4
55°	9496.5	9531.2	9842.5	10129.5	10122.1	10051.7	10120.0	10126.3	9852.9	9535.4	9496.5
57.5°	9870.8	9937.0	10375.5	10894.9	11283.9	11377.5	11245.0	10843.4	10203.1	9695.2	9633.2
60°	9640.6	9741.5	10430.2	11489.0	12635.0	13184.9	12437.4	11191.4	9930.8	9223.2	9139.0
62.5°	8086.6	8256.9	9265.2	11202.0	13797.9	15405.6	13301.6	10633.1	8847.7	7873.1	7729.1
65°	4924.9	5104.7	6320.2	9220.0	13609.7	17163.5	12907.3	8825.7	6457.9	5245.5	5090.0
67.5°	1641.3	1693.8	2409.9	5096.3	10696.2	15421.3	10714.0	5283.5	2810.5	1863.1	1808.4
70°	642.4	647.7	764.4	1477.2	5051.0	10592.1	5573.6	1503.5	799.1	631.9	645.6
72.5°	472.1	474.2	506.8	617.2	1316.4	4666.2	1363.7	620.3	493.2	442.7	442.7
75°	379.6	379.6	402.7	450.0	589.9	1070.3	598.2	444.7	385.8	353.2	349.1
77.5°	299.7	305.9	323.8	354.4	399.5	515.2	414.3	352.2	311.2	280.8	274.4
80°	222.9	229.3	258.7	273.4	287.0	357.5	305.9	275.5	246.0	210.3	204.0
82.5°	146.2	152.5	189.3	197.7	194.5	233.4	206.1	202.9	180.8	135.6	129.3
85°	95.7	97.8	126.1	131.4	120.9	106.2	131.4	138.8	126.1	88.3	85.1
87.5°	45.2	45.2	64.2	59.9	54.7	44.2	59.9	70.4	71.5	43.1	42.0
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)