

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: P383326

Luminaire Tested: **GLEON-SA6C-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383326
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-SA6C-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 41398.9 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

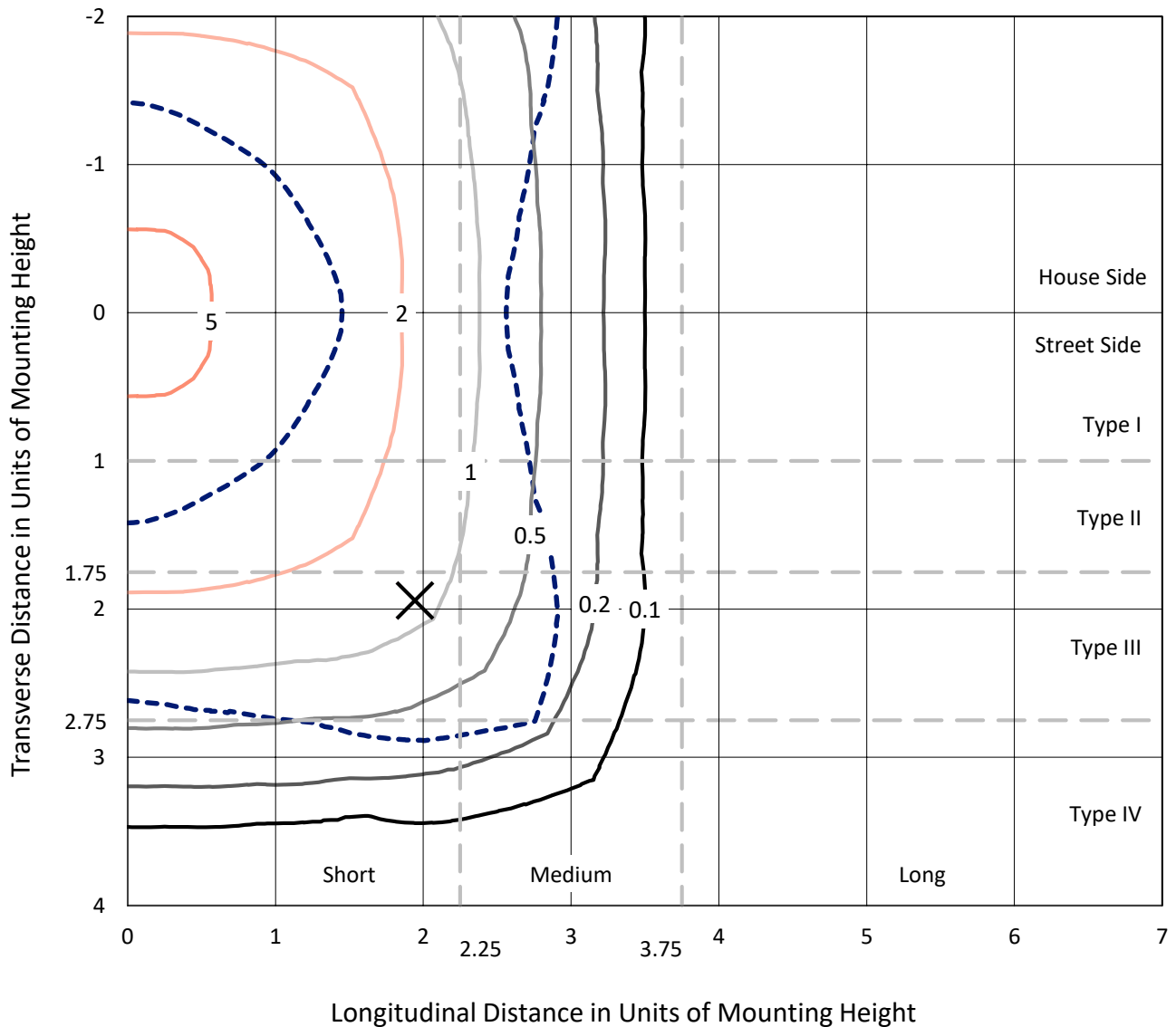
Input Watts (W): 333
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

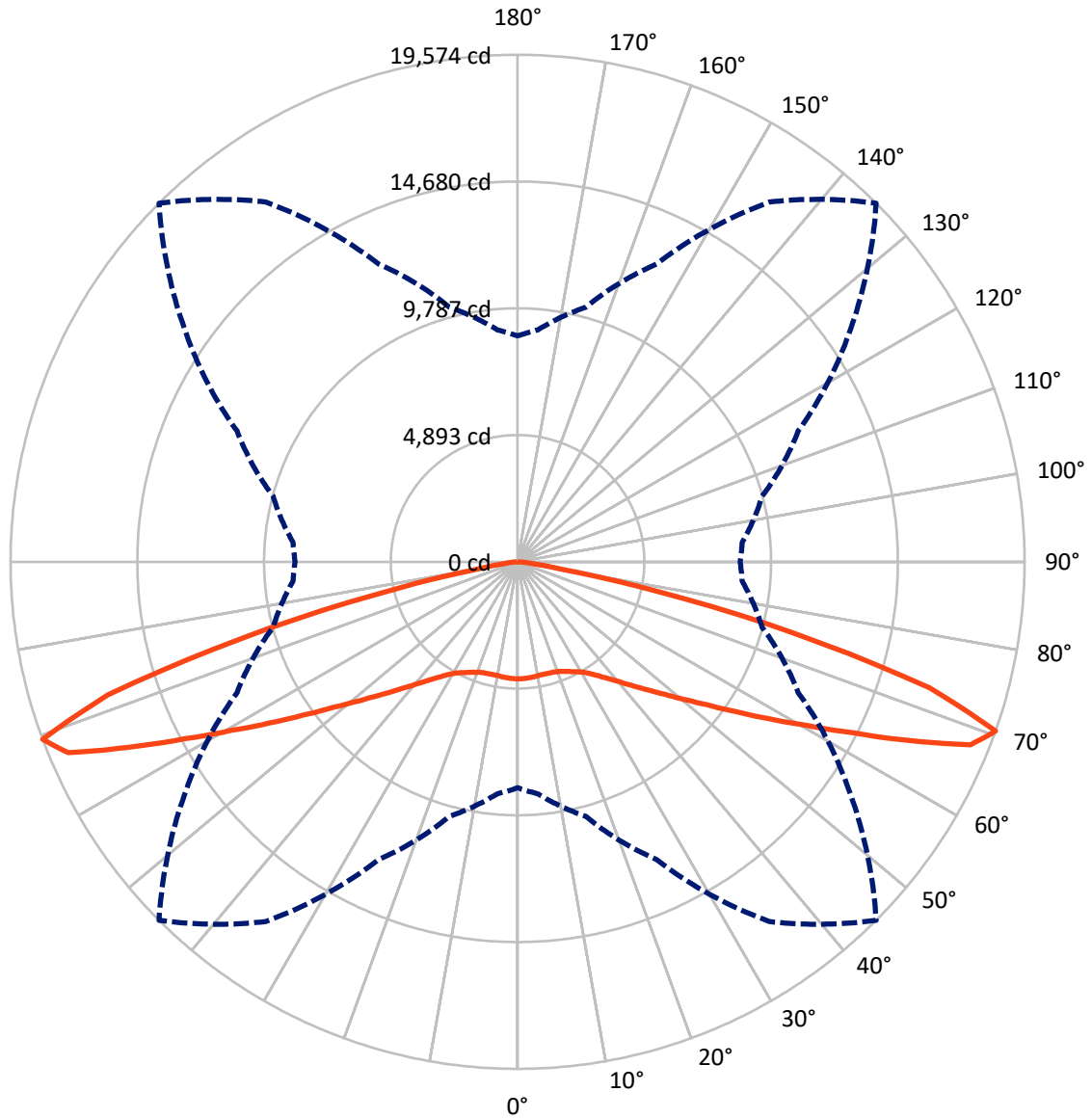
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	20699.5	0.0	20699.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20699.5	0.0	20699.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41398.9	0.0	41398.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.2	1.0
10°-20°	1257.2	3.0
20°-30°	2140.1	5.2
30°-40°	3394.2	8.2
40°-50°	5523.3	13.3
50°-60°	9107.0	22.0
60°-70°	13369.3	32.3
70°-80°	5911.9	14.3
80°-90°	267.7	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°	41398.9	100.0
0°-180°	41398.9	100.0

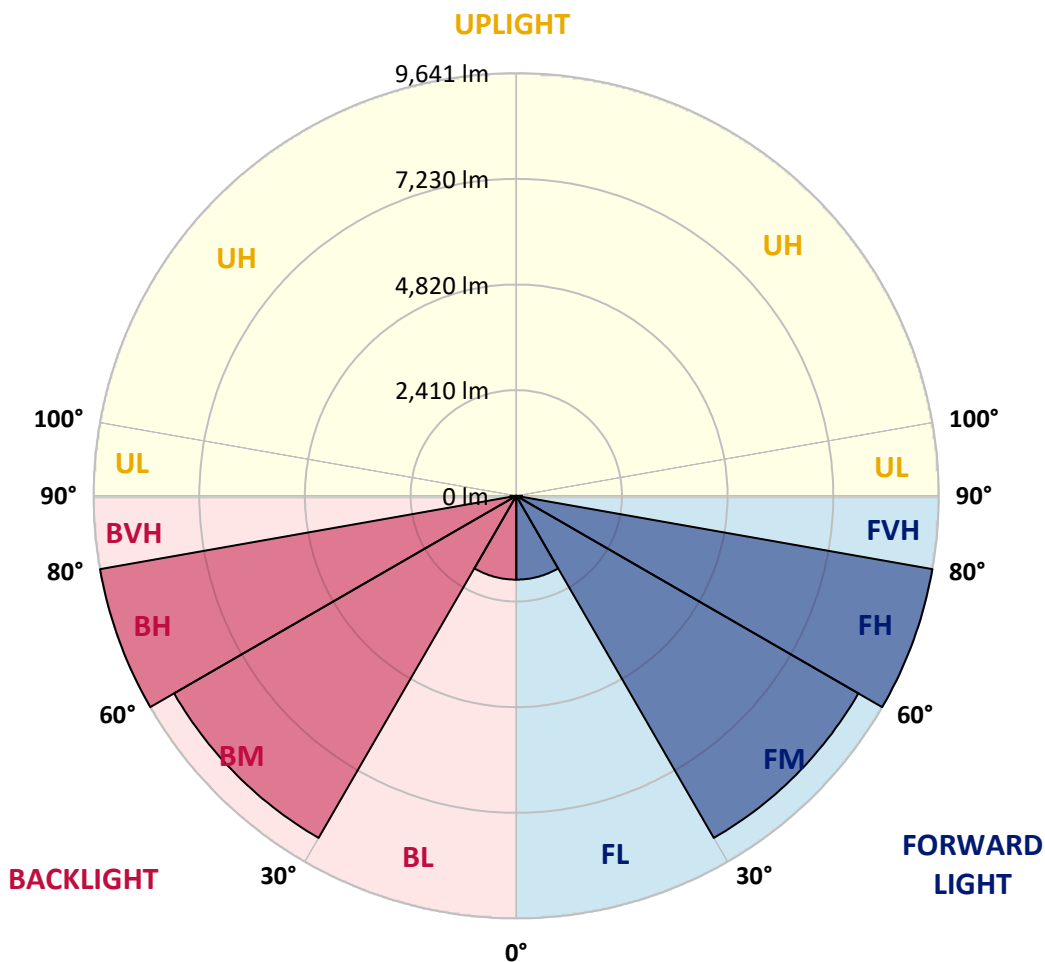


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1912.7	4.6			
FM (30°-60°)	9012.3	21.8			
FH (60°-80°)	9640.6	23.3			G4/12000
FVH (80°-90°)	133.9	0.3			G2/225
BL (0°-30°)	1912.7	4.6	B3/2500		
BM (30°-60°)	9012.3	21.8	B5		
BH (60°-80°)	9640.6	23.3	B5		G4/12000
BVH (80°-90°)	133.9	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°	4521.4	4521.4	4521.4	4521.4	4521.4	4521.4	4521.4	4521.4	4521.4	4521.4	4521.4
2.5°	4514.6	4510.5	4520.1	4518.7	4510.5	4511.9	4511.9	4516.0	4516.0	4513.2	4513.2
5°	4498.1	4495.4	4506.4	4506.4	4498.1	4500.9	4503.6	4507.7	4506.4	4503.6	4502.3
7.5°	4477.6	4476.2	4487.2	4487.2	4481.7	4484.4	4481.7	4483.1	4480.3	4477.6	4473.5
10°	4443.3	4446.1	4455.7	4458.4	4458.4	4459.8	4457.0	4450.2	4446.1	4441.9	4437.8
12.5°	4411.8	4410.4	4424.1	4431.0	4441.9	4454.3	4446.1	4426.9	4418.6	4410.4	4407.7
15°	4391.2	4392.6	4406.3	4418.6	4437.8	4463.9	4454.3	4424.1	4407.7	4398.1	4395.3
17.5°	4387.1	4389.9	4407.7	4429.6	4450.2	4479.0	4473.5	4443.3	4415.9	4398.1	4394.0
20°	4396.7	4398.1	4425.5	4457.0	4492.7	4520.1	4507.7	4474.8	4437.8	4410.4	4403.6
22.5°	4414.5	4420.0	4454.3	4503.6	4558.4	4595.4	4580.3	4524.2	4466.6	4432.3	4422.8
25°	4470.7	4472.1	4518.7	4585.8	4651.6	4694.1	4676.2	4596.7	4522.8	4484.4	4472.1
27.5°	4587.1	4591.3	4637.9	4716.0	4772.1	4799.5	4788.6	4724.2	4661.2	4620.0	4624.2
30°	4755.7	4761.1	4813.2	4899.6	4933.8	4940.6	4937.9	4907.8	4850.2	4795.4	4799.5
32.5°	4961.2	4963.9	5033.8	5112.0	5139.3	5144.8	5139.3	5112.0	5043.4	4969.4	4973.5
35°	5225.6	5233.9	5301.0	5376.3	5398.3	5409.2	5399.6	5364.0	5292.8	5220.2	5217.4
37.5°	5551.7	5553.1	5623.0	5701.1	5728.5	5731.3	5720.3	5697.0	5607.9	5542.1	5538.1
40°	5929.9	5935.4	6017.6	6101.2	6112.2	6099.8	6114.9	6101.2	6009.3	5934.0	5946.3
42.5°	6390.2	6402.6	6501.3	6583.4	6551.9	6545.1	6554.6	6558.7	6484.8	6393.0	6384.7
45°	6926.0	6937.0	7060.2	7126.0	7105.5	7060.2	7079.4	7112.3	7009.5	6895.8	6906.8
47.5°	7537.1	7564.4	7696.0	7757.6	7707.0	7645.3	7682.3	7731.6	7611.0	7469.9	7463.1
50°	8216.6	8250.9	8426.2	8512.6	8461.9	8348.2	8409.8	8442.7	8268.7	8086.5	8071.4
52.5°	8941.5	8975.6	9196.2	9374.3	9341.5	9164.8	9251.1	9216.8	9016.8	8771.5	8752.4
55°	9762.2	9775.8	10014.2	10302.0	10334.9	10204.6	10199.2	10143.1	9847.1	9563.5	9549.8
57.5°	10606.1	10615.7	10924.0	11263.8	11418.6	11418.6	11265.1	11146.0	10752.8	10423.9	10389.6
60°	11517.3	11551.5	11892.7	12354.4	12716.1	12822.9	12551.7	12226.9	11799.5	11398.0	11358.4
62.5°	12328.4	12368.1	12890.1	13578.0	14158.9	14548.0	13884.8	13356.0	12577.8	11933.8	11858.4
65°	12431.1	12538.0	13298.4	14543.9	15844.1	16621.0	15349.5	14046.5	12628.4	11733.8	11657.0
67.5°	11352.9	11533.7	12561.3	14500.0	17186.8	18854.2	16285.3	13651.9	11718.7	10729.5	10644.5
70°	8723.6	8986.6	10171.8	12683.2	16955.3	19573.6	15698.9	11951.6	9770.4	8705.8	8586.5
72.5°	4785.8	4894.1	5960.0	8685.2	13593.0	16633.2	13094.3	8837.3	6479.3	5272.2	5072.2
75°	1518.0	1556.4	2099.1	3554.1	7689.1	11017.1	8318.0	4337.8	2388.1	1760.6	1740.0
77.5°	674.1	678.2	759.0	1037.2	2648.5	5581.9	3181.4	1181.0	813.9	711.1	734.4
80°	426.1	426.1	470.0	513.8	720.6	1620.9	860.5	561.7	479.6	445.3	454.9
82.5°	204.1	226.1	305.5	328.8	396.0	545.3	441.2	367.2	320.6	238.4	222.0
85°	134.2	112.3	193.2	217.9	230.2	261.7	256.2	242.5	209.6	119.2	132.9
87.5°	60.3	57.6	100.0	91.8	86.4	65.8	98.7	121.9	117.8	58.9	58.9
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)