

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: P383103

Luminaire Tested: **GLEON-SA4C-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383103
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-SA4C-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27416.4 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

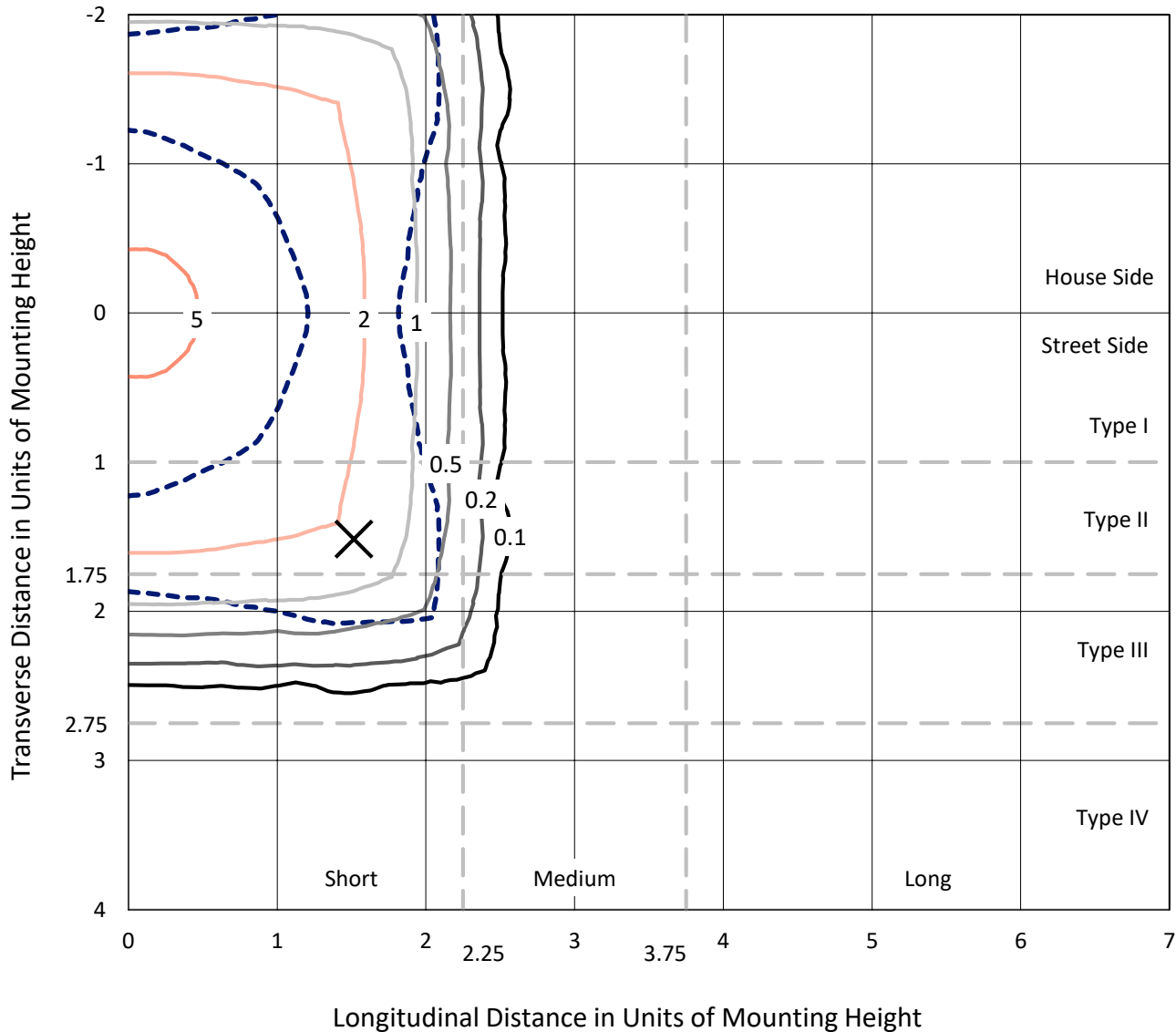
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P383103
 CATALOG NUMBER: GLEON-SA4C-735-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

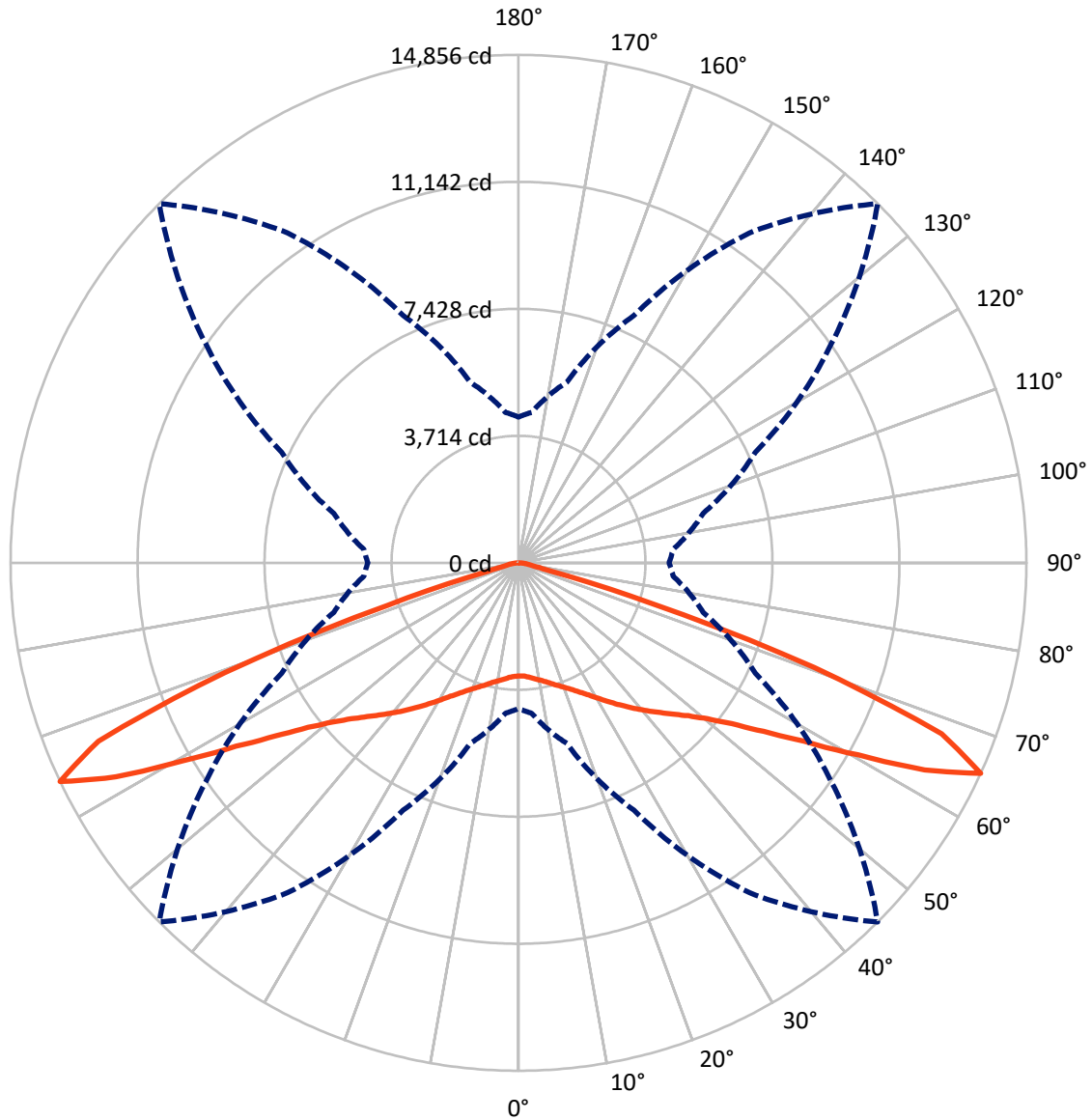
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

REPORT NUMBER: P383103
CATALOG NUMBER: GLEON-SA4C-735-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P383103
 CATALOG NUMBER: GLEON-SA4C-735-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13708.2	0.0	13708.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13708.2	0.0	13708.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	27416.4	0.0	27416.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.8	1.2
10°-20°	1044.1	3.8
20°-30°	1959.0	7.1
30°-40°	3239.8	11.8
40°-50°	5018.0	18.3
50°-60°	7696.1	28.1
60°-70°	7181.4	26.2
70°-80°	835.8	3.0
80°-90°	117.4	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°	27416.4	100.0
0°-180°	27416.4	100.0

Coefficient of Utilization



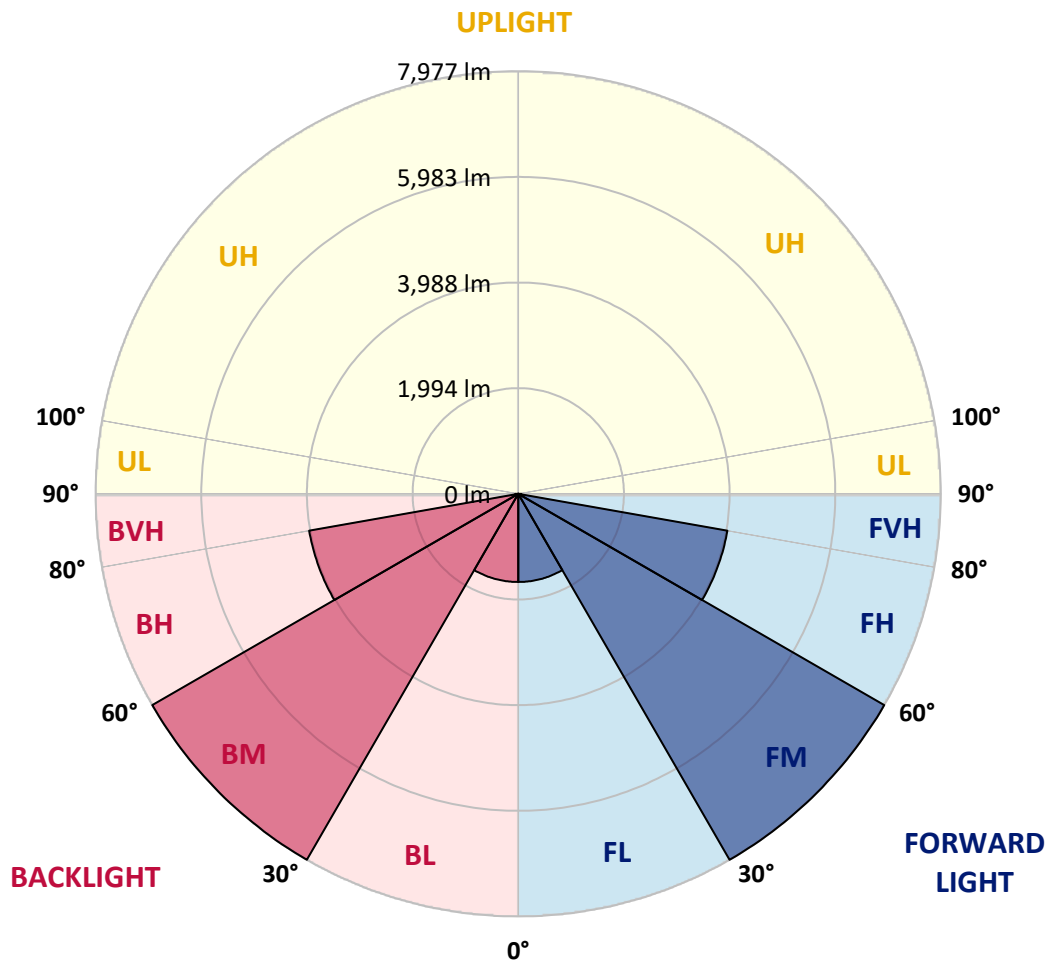
REPORT NUMBER: P383103
 CATALOG NUMBER: GLEON-SA4C-735-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1664.0	6.1			
FM (30°-60°)	7976.9	29.1			
FH (60°-80°)	4008.6	14.6			G2/5000
FVH (80°-90°)	58.7	0.2			G1/100
BL (0°-30°)	1664.0	6.1	B3/2500		
BM (30°-60°)	7976.9	29.1	B4/8500		
BH (60°-80°)	4008.6	14.6	B4/5000		G2/5000
BVH (80°-90°)	58.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P383103
 CATALOG NUMBER: GLEON-SA4C-735-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9	3310.9
2.5°	3321.8	3319.9	3321.8	3322.7	3317.2	3319.9	3319.1	3323.6	3325.4	3323.6	3323.6
5°	3360.0	3357.3	3360.9	3365.5	3358.2	3360.0	3357.3	3362.8	3364.6	3360.9	3363.6
7.5°	3412.8	3413.7	3417.4	3425.6	3421.0	3424.6	3419.2	3420.1	3419.2	3413.7	3414.6
10°	3470.1	3471.0	3477.4	3488.4	3490.1	3490.1	3486.5	3483.8	3480.2	3476.5	3477.4
12.5°	3539.3	3543.9	3548.5	3562.1	3562.1	3569.3	3567.5	3560.3	3553.9	3548.5	3548.5
15°	3633.0	3632.1	3637.6	3651.2	3657.6	3669.5	3669.5	3659.4	3651.2	3645.8	3643.9
17.5°	3731.3	3734.1	3737.7	3754.0	3764.1	3777.7	3779.6	3771.4	3765.9	3758.6	3754.0
20°	3846.0	3850.6	3865.1	3871.5	3880.5	3893.3	3897.9	3896.0	3890.6	3887.0	3887.9
22.5°	3979.8	3991.6	4000.7	4009.8	4020.7	4029.9	4034.3	4040.8	4035.3	4032.6	4030.7
25°	4141.8	4150.0	4168.2	4184.5	4191.9	4194.6	4200.1	4209.1	4208.2	4201.8	4201.8
27.5°	4325.6	4341.1	4363.8	4387.5	4387.5	4378.4	4396.6	4412.1	4406.6	4398.4	4387.5
30°	4548.6	4563.2	4589.5	4622.3	4605.9	4599.5	4624.1	4652.3	4644.1	4630.5	4628.7
32.5°	4788.8	4802.5	4837.1	4872.6	4851.7	4842.6	4868.9	4909.9	4895.3	4868.0	4851.7
35°	5049.2	5062.8	5112.0	5154.7	5119.2	5103.8	5125.6	5170.2	5144.7	5093.7	5080.9
37.5°	5332.2	5339.4	5403.2	5446.9	5422.3	5381.3	5408.6	5441.4	5419.6	5357.6	5333.1
40°	5626.1	5652.5	5726.2	5777.2	5734.4	5669.8	5715.3	5760.8	5728.1	5648.9	5607.0
42.5°	5969.3	5989.2	6087.6	6133.0	6063.9	5972.9	6034.8	6096.6	6063.9	5987.4	5951.0
45°	6326.0	6356.9	6474.3	6519.8	6419.7	6304.2	6379.7	6487.9	6485.2	6375.1	6336.9
47.5°	6714.6	6745.5	6885.6	6945.7	6837.5	6682.7	6789.2	6942.1	6931.2	6810.2	6779.2
50°	7163.2	7196.0	7370.8	7446.3	7345.3	7165.1	7325.2	7459.9	7439.9	7290.7	7293.4
52.5°	7726.6	7724.8	7942.3	8073.4	7969.6	7810.3	7957.7	8088.8	8006.0	7799.4	7793.0
55°	8219.9	8249.9	8519.3	8767.7	8761.4	8700.4	8759.5	8765.0	8528.4	8253.5	8219.9
57.5°	8543.9	8601.2	8980.7	9430.2	9767.0	9847.9	9733.3	9385.6	8831.4	8391.8	8338.2
60°	8344.5	8431.9	9028.0	9944.5	10936.5	11412.4	10765.3	9686.9	8595.7	7983.3	7910.4
62.5°	6999.5	7146.8	8019.6	9696.0	11943.0	13334.5	11513.5	9203.7	7658.3	6814.6	6690.0
65°	4262.9	4418.4	5470.5	7980.5	11780.1	14856.1	11172.1	7639.2	5589.8	4540.4	4405.7
67.5°	1420.6	1466.2	2085.9	4411.2	9258.3	13348.1	9273.7	4573.2	2432.6	1612.7	1565.4
70°	556.0	560.6	661.6	1278.6	4372.0	9168.2	4824.3	1301.4	691.7	547.0	558.8
72.5°	408.7	410.4	438.7	534.2	1139.4	4038.9	1180.4	536.9	426.8	383.1	383.1
75°	328.6	328.6	348.6	389.5	510.6	926.4	517.8	385.0	334.0	305.8	302.1
77.5°	259.3	264.8	280.3	306.7	345.8	445.9	358.6	304.9	269.4	242.9	237.5
80°	192.9	198.4	223.9	236.6	248.4	309.5	264.8	238.5	213.0	182.0	176.5
82.5°	126.5	132.0	163.9	171.1	168.3	202.1	178.4	175.7	156.5	117.4	112.0
85°	82.8	84.7	109.2	113.7	104.6	91.9	113.7	120.2	109.2	76.5	73.7
87.5°	39.1	39.1	55.5	51.9	47.3	38.2	51.9	61.0	61.9	37.4	36.4
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)