

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: P459035

Luminaire Tested: **GALN-SA5C-735-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5C-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

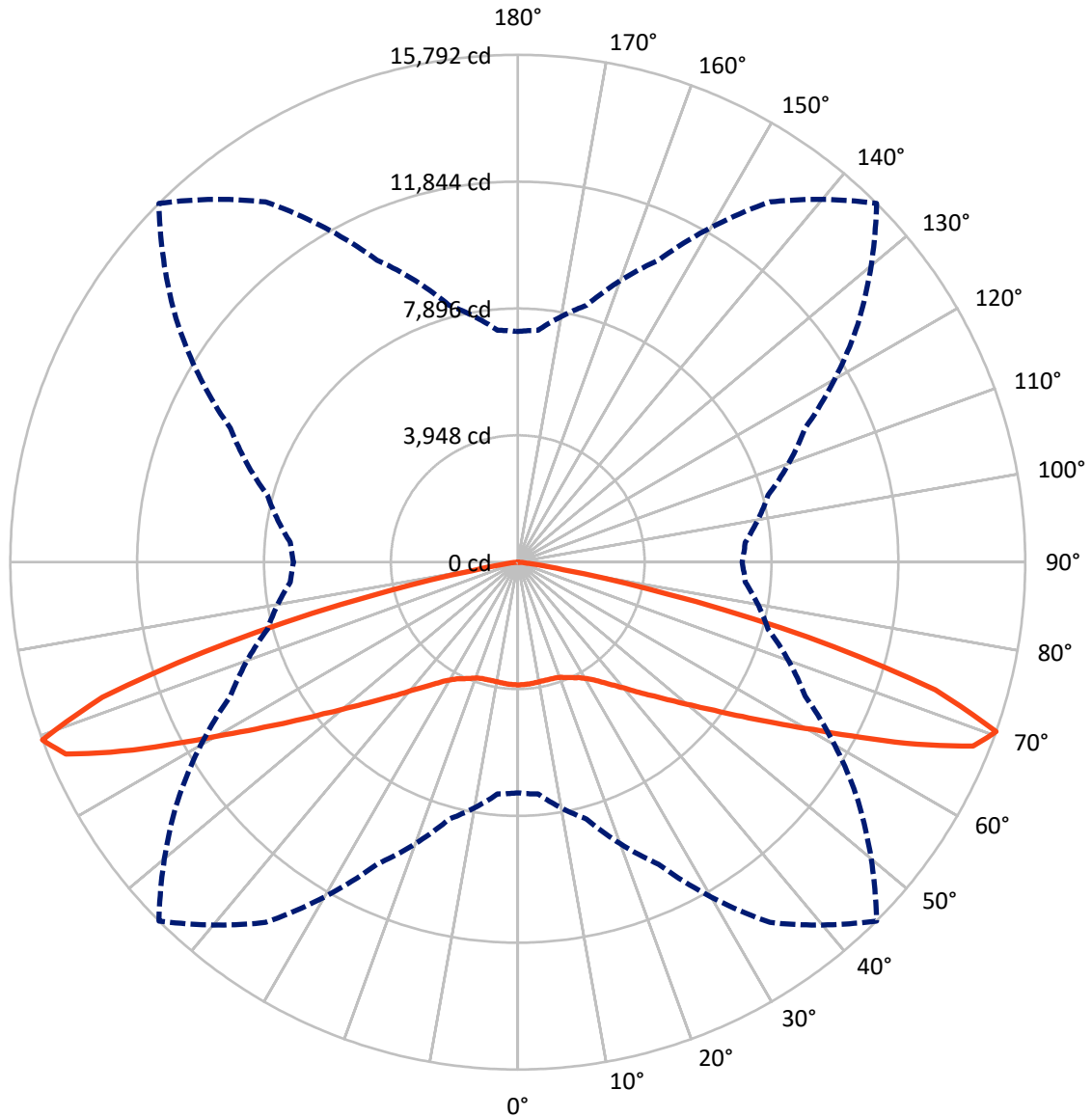
Lumens per Lamp: N/A
Luminaire Lumens: 34399 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 269
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



REPORT NUMBER: P459035
CATALOG NUMBER: GALN-SA5C-735-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P459035

CATALOG NUMBER: GALN-SA5C-735-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17199.5	0.0	17199.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17199.5	0.0	17199.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34399.0	0.0	34399.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.2	1.1
10°-20°	1062.9	3.1
20°-30°	1817.9	5.3
30°-40°	2885.5	8.4
40°-50°	4655.0	13.5
50°-60°	7573.9	22.0
60°-70°	10979.4	31.9
70°-80°	4870.1	14.2
80°-90°	192.1	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°	34399.0	100.0
0°-180°	34399.0	100.0

Coefficient of Utilization



REPORT NUMBER: P459035

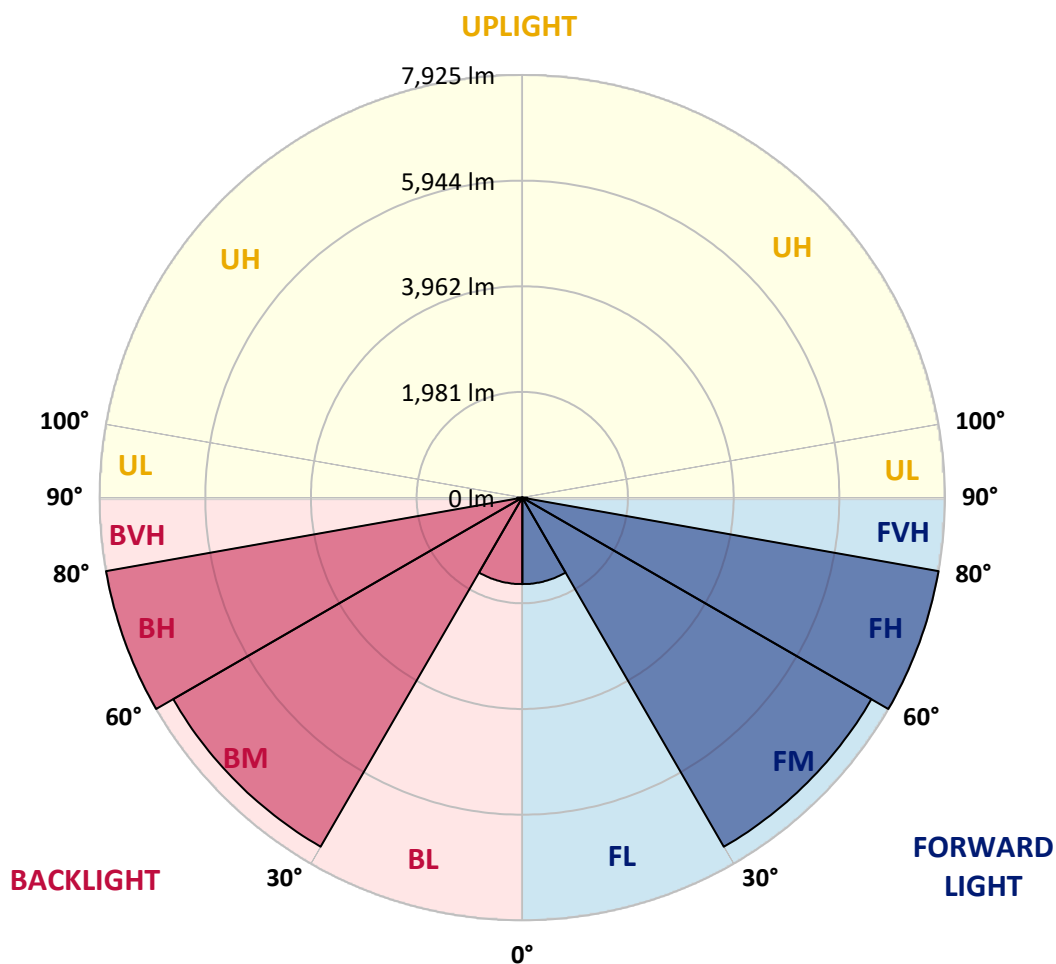
CATALOG NUMBER: GALN-SA5C-735-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1621.6	4.7			
FM	(30°-60°)	7557.2	22.0			
FH	(60°-80°)	7924.7	23.0			G4/12000
FVH	(80°-90°)	96.0	0.3			G1/100
BL	(0°-30°)	1621.6	4.7	B3/2500		
BM	(30°-60°)	7557.2	22.0	B4/8500		
BH	(60°-80°)	7924.7	23.0	B5		G4/12000
BVH	(80°-90°)	96.0	0.3			G1/100
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





REPORT NUMBER: P459035

CATALOG NUMBER: GALN-SA5C-735-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3819.8	3819.8	3819.8	3819.8	3819.8	3819.8	3819.8	3819.8	3819.8	3819.8	3819.8
2.5°	3819.8	3823.5	3818.0	3814.4	3812.6	3812.6	3810.8	3812.6	3823.5	3825.3	3819.8
5°	3809.0	3812.6	3810.8	3807.2	3805.3	3805.3	3803.5	3801.7	3810.8	3814.4	3812.6
7.5°	3794.5	3796.3	3794.5	3792.7	3794.5	3792.7	3787.2	3783.6	3790.8	3790.8	3789.0
10°	3769.1	3772.7	3770.9	3772.7	3776.3	3776.3	3769.1	3761.8	3763.6	3760.0	3760.0
12.5°	3738.3	3743.7	3745.5	3752.8	3761.8	3772.7	3756.4	3740.1	3736.5	3734.6	3732.8
15°	3718.3	3723.8	3731.0	3738.3	3754.6	3778.1	3754.6	3729.2	3721.9	3714.7	3711.1
17.5°	3712.9	3720.1	3731.0	3741.9	3763.6	3787.2	3767.3	3741.9	3723.8	3712.9	3709.3
20°	3727.4	3732.8	3749.1	3769.1	3799.9	3823.5	3803.5	3776.3	3749.1	3732.8	3727.4
22.5°	3756.4	3765.5	3785.4	3821.7	3865.2	3899.6	3872.4	3827.1	3783.6	3761.8	3754.6
25°	3819.8	3827.1	3850.7	3899.6	3950.4	3983.0	3954.0	3901.4	3841.6	3812.6	3803.5
27.5°	3915.9	3926.8	3952.2	4010.2	4051.9	4070.0	4050.1	4013.8	3970.3	3939.5	3932.2
30°	4051.9	4064.6	4102.7	4164.3	4191.5	4202.4	4193.3	4169.7	4138.9	4106.3	4099.0
32.5°	4235.0	4242.3	4285.8	4343.8	4369.2	4372.8	4361.9	4351.0	4300.3	4245.9	4242.3
35°	4439.9	4452.6	4505.1	4574.0	4597.6	4599.4	4577.7	4561.3	4501.5	4458.0	4458.0
37.5°	4711.8	4717.2	4768.0	4846.0	4871.3	4864.1	4853.2	4838.7	4775.3	4719.1	4720.9
40°	5030.9	5041.8	5085.3	5175.9	5175.9	5166.9	5174.1	5163.2	5099.8	5045.4	5047.2
42.5°	5409.8	5415.2	5467.8	5563.9	5556.6	5538.5	5545.8	5531.3	5491.4	5429.7	5408.0
45°	5814.1	5835.8	5926.5	6018.9	6004.4	5946.4	5975.4	5971.8	5935.5	5843.1	5848.5
47.5°	6301.8	6338.0	6425.0	6535.6	6519.3	6428.7	6461.3	6483.0	6432.3	6330.8	6312.6
50°	6851.1	6874.6	7003.4	7106.7	7092.2	6996.1	7070.4	7074.1	6947.2	6803.9	6803.9
52.5°	7436.6	7460.2	7634.3	7795.6	7804.7	7665.1	7724.9	7721.3	7514.6	7326.1	7289.8
55°	8092.9	8103.8	8328.6	8566.1	8616.9	8480.9	8488.1	8415.6	8147.3	7927.9	7908.0
57.5°	8771.0	8810.8	9059.2	9367.4	9517.9	9434.5	9396.4	9202.4	8943.2	8691.2	8678.5
60°	9521.5	9523.3	9846.0	10210.4	10515.0	10571.2	10415.3	10156.0	9820.7	9487.1	9472.6
62.5°	10041.8	10119.8	10527.7	11144.1	11689.8	12005.2	11593.7	11049.8	10389.9	9851.5	9797.1
65°	10148.8	10201.4	10823.2	11867.5	12982.4	13662.3	12710.5	11553.8	10428.0	9710.1	9673.8
67.5°	9284.0	9340.2	10177.8	11780.4	13888.9	15283.0	13435.6	11310.9	9782.6	8894.2	8823.5
70°	7181.0	7244.5	8279.7	10370.0	13687.6	15792.4	12919.0	9866.0	8067.5	7108.5	6979.8
72.5°	3818.0	4051.9	4936.6	7117.6	11109.6	13597.0	10593.0	7199.2	5203.1	4253.1	4082.7
75°	1394.1	1423.2	1916.3	3156.3	6463.1	9323.9	6711.5	3433.7	1974.3	1524.7	1446.7
77.5°	576.5	574.7	630.9	953.6	2347.7	4775.3	2619.7	1008.0	629.1	582.0	574.7
80°	340.8	340.8	375.3	397.0	618.2	1441.3	690.7	449.6	377.1	344.5	349.9
82.5°	152.3	161.4	237.5	250.2	299.1	395.2	333.6	286.4	246.6	170.4	154.1
85°	83.4	72.5	125.1	130.5	143.2	146.8	157.7	155.9	143.2	83.4	85.2
87.5°	16.3	19.9	36.3	27.2	30.8	27.2	36.3	50.8	52.6	29.0	23.6
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)