

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: P954196

Luminaire Tested: **GALN-SB7C-740-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-740-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59010 lumens
Efficiency: N/A
Efficacy: 168.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

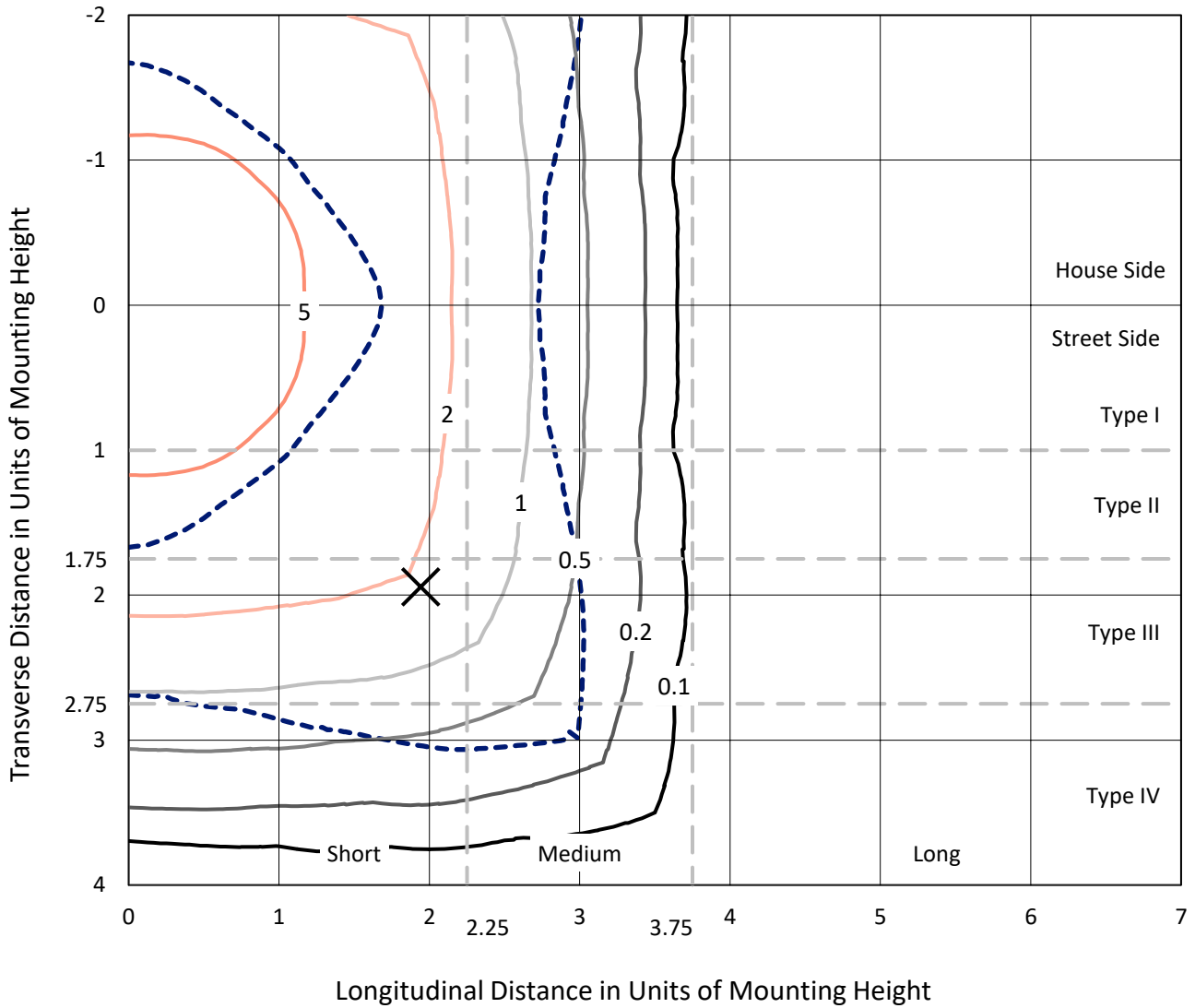
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P954196
 CATALOG NUMBER: GALN-SB7C-740-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

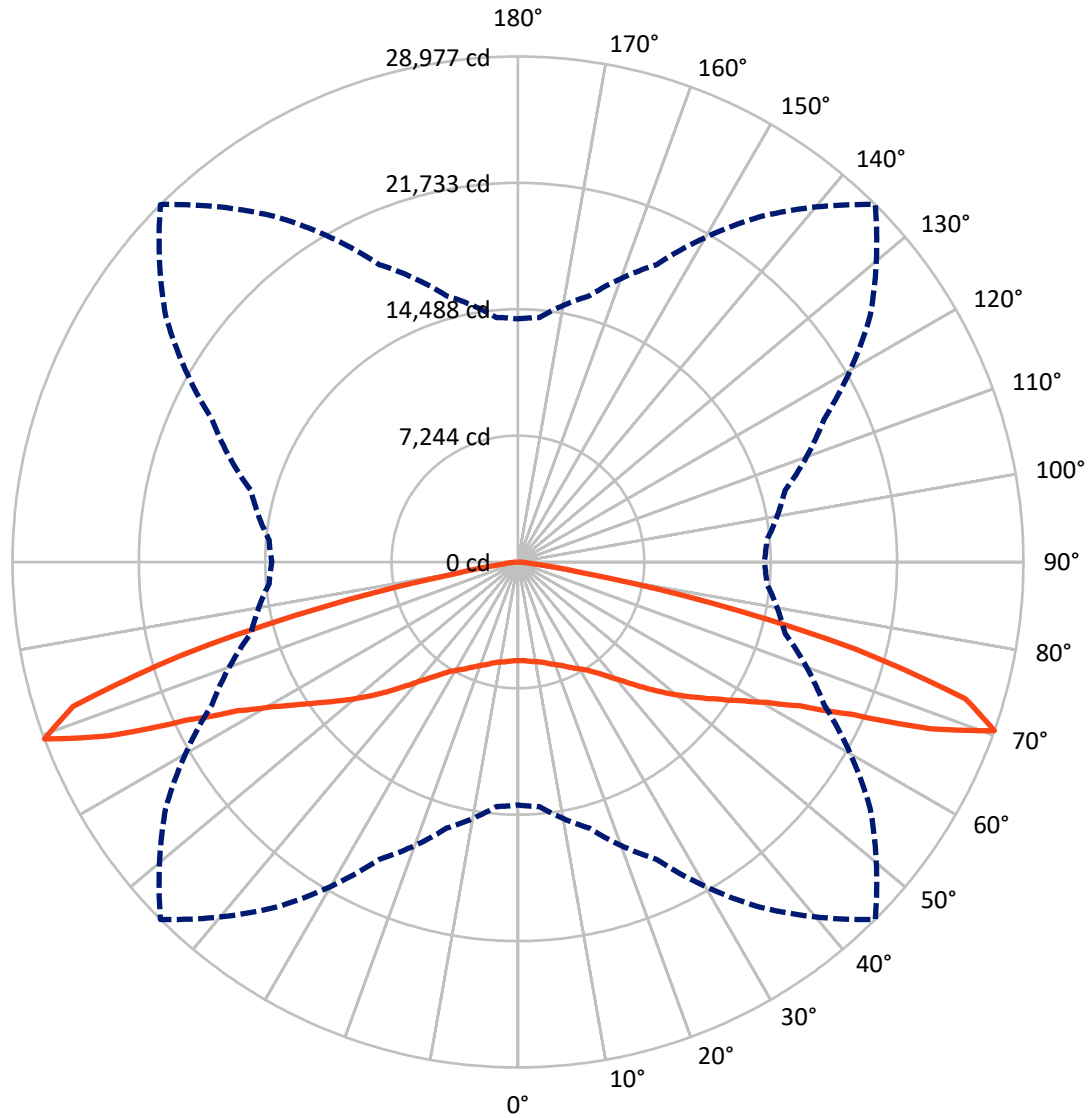
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - N/A

REPORT NUMBER: P954196
CATALOG NUMBER: GALN-SB7C-740-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P954196
 CATALOG NUMBER: GALN-SB7C-740-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29505.0	0.0	29505.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29505.0	0.0	29505.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	59010.0	0.0	59010.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.1	0.9
10°-20°	1702.8	2.9
20°-30°	3043.2	5.2
30°-40°	4932.9	8.4
40°-50°	8035.0	13.6
50°-60°	12250.6	20.8
60°-70°	18225.0	30.9
70°-80°	9933.2	16.8
80°-90°	338.3	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°	59010.0	100.0
0°-180°	59010.0	100.0

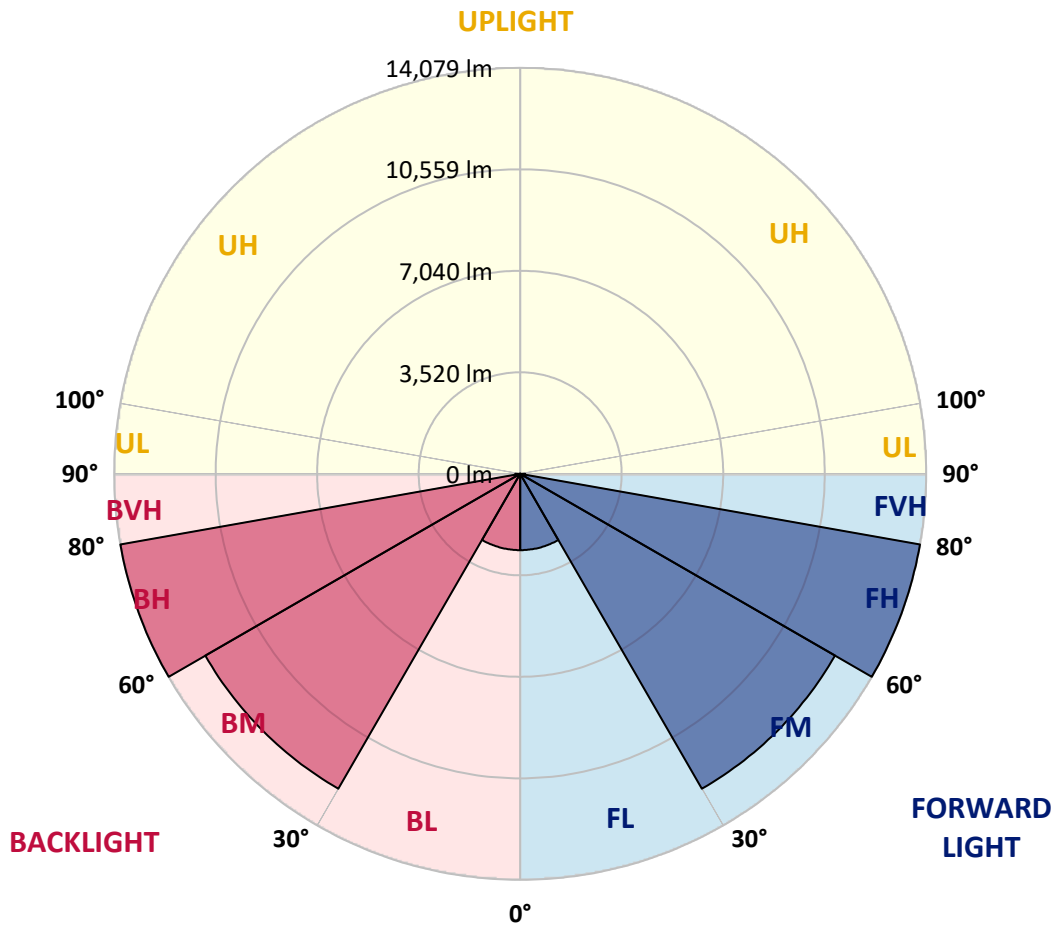


REPORT NUMBER: P954196
 CATALOG NUMBER: GALN-SB7C-740-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2647.6	4.5			
FM (30°-60°)	12609.2	21.4			
FH (60°-80°)	14079.1	23.9			G5
FVH (80°-90°)	169.1	0.3			G2/225
BL (0°-30°)	2647.6	4.5	B4/5000		
BM (30°-60°)	12609.2	21.4	B5		
BH (60°-80°)	14079.1	23.9	B5		G5
BVH (80°-90°)	169.1	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-G5
 Type V Short



REPORT NUMBER: P954196

CATALOG NUMBER: GALN-SB7C-740-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5652.5	5652.5	5652.5	5652.5	5652.5	5652.5	5652.5	5652.5	5652.5	5652.5
2.5°	5679.2	5685.1	5673.3	5667.4	5661.4	5652.5	5655.5	5670.3	5682.2	5679.2
5°	5726.6	5732.5	5723.6	5720.7	5708.8	5705.9	5705.9	5720.7	5729.6	5723.6
7.5°	5779.9	5788.8	5774.0	5771.0	5765.1	5759.2	5756.2	5771.0	5779.9	5779.9
10°	5830.3	5839.2	5827.3	5818.5	5812.5	5812.5	5806.6	5818.5	5833.3	5830.3
12.5°	5883.6	5889.6	5877.7	5871.8	5871.8	5880.7	5871.8	5877.7	5889.6	5883.6
15°	5948.8	5951.8	5948.8	5957.7	5972.5	6002.1	5975.5	5969.5	5975.5	5960.7
17.5°	6037.7	6043.6	6055.5	6076.2	6096.9	6150.3	6102.9	6088.0	6088.0	6058.4
20°	6147.3	6156.2	6174.0	6209.5	6236.2	6286.5	6239.1	6218.4	6209.5	6171.0
22.5°	6262.8	6277.6	6304.3	6351.7	6399.1	6446.5	6399.1	6363.6	6336.9	6286.5
25°	6396.1	6413.9	6455.4	6532.4	6597.6	6665.7	6609.5	6538.3	6485.0	6413.9
27.5°	6585.8	6606.5	6656.9	6751.7	6834.6	6893.9	6840.5	6748.7	6674.6	6588.7
30°	6852.4	6873.1	6932.4	7033.1	7089.4	7127.9	7092.3	7021.2	6932.4	6834.6
32.5°	7196.0	7222.7	7287.9	7382.7	7394.5	7400.5	7388.6	7353.1	7287.9	7169.4
35°	7631.5	7661.2	7735.2	7812.2	7800.4	7812.2	7794.5	7782.6	7735.2	7598.9
37.5°	8164.8	8200.3	8277.4	8336.6	8307.0	8292.2	8295.1	8298.1	8271.4	8120.4
40°	8784.0	8831.4	8887.7	8949.9	8899.5	8855.1	8884.7	8908.4	8884.7	8730.6
42.5°	9420.9	9489.1	9548.3	9637.2	9595.7	9539.4	9580.9	9607.6	9557.2	9391.3
45°	10129.0	10194.1	10271.2	10404.5	10374.9	10315.6	10374.9	10380.8	10294.9	10099.3
47.5°	10860.7	10928.9	11044.4	11222.1	11210.3	11145.1	11222.1	11180.7	11071.1	10837.0
50°	11553.9	11648.8	11826.5	12075.4	12099.1	12019.1	12122.8	12042.8	11859.1	11565.8
52.5°	12205.7	12306.4	12587.9	12925.6	13011.5	12907.8	13047.1	12907.8	12632.3	12256.1
55°	12890.1	13002.6	13337.4	13778.8	13950.7	13873.6	14004.0	13793.6	13402.6	12946.3
57.5°	13695.9	13764.0	14164.0	14688.3	14978.7	14996.4	15055.7	14700.2	14226.2	13707.7
60°	14569.8	14664.6	15100.1	15728.2	16187.4	16335.5	16273.3	15746.0	15194.9	14599.5
62.5°	15689.7	15793.4	16314.8	17067.3	17793.1	18160.4	17917.5	17153.2	16471.8	15757.8
65°	16616.9	16732.5	17674.6	19016.6	20337.9	21075.6	20465.3	19058.1	17831.6	16824.3
67.5°	15944.4	16086.7	17565.0	20029.8	23315.3	25516.5	23427.9	20332.0	17929.4	16563.6
70°	13935.8	14069.2	15793.4	18806.3	24153.7	28976.7	24657.3	19360.3	15849.6	14321.0
72.5°	9252.0	9681.6	11426.6	15040.9	21567.4	26814.0	21780.7	14735.7	10600.0	9231.3
75°	3069.2	3412.9	4603.8	7797.4	14445.4	20053.5	13752.2	6899.8	3646.9	2624.8
77.5°	773.2	891.7	1229.5	2230.8	5762.2	11417.7	5187.4	1822.0	992.5	693.2
80°	376.2	414.8	592.5	743.6	1442.8	3629.1	1353.9	699.2	468.1	361.4
82.5°	207.4	210.3	334.8	420.7	536.2	939.1	557.0	408.8	269.6	219.2
85°	127.4	124.4	177.8	225.2	225.2	334.8	266.6	225.2	154.1	136.3
87.5°	50.4	50.4	65.2	71.1	62.2	85.9	68.1	74.1	59.3	56.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5652.5
5682.2
5726.6
5779.9
5830.3
5880.7
5960.7
6058.4
6171.0
6283.6
6411.0
6585.8
6834.6
7172.3
7598.9
8120.4
8730.6
9403.1
10120.1
10822.2
11559.9
12220.5
12884.1
13636.6
14504.6
15633.4
16658.4
16359.2
14116.6
8932.1
2482.6
619.2
331.8
219.2
142.2
59.3
0.0

OF REPORT)