

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: P951698

Luminaire Tested: **GALN-SB5D-740-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5D-740-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56988 lumens
Efficiency: N/A
Efficacy: 156.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

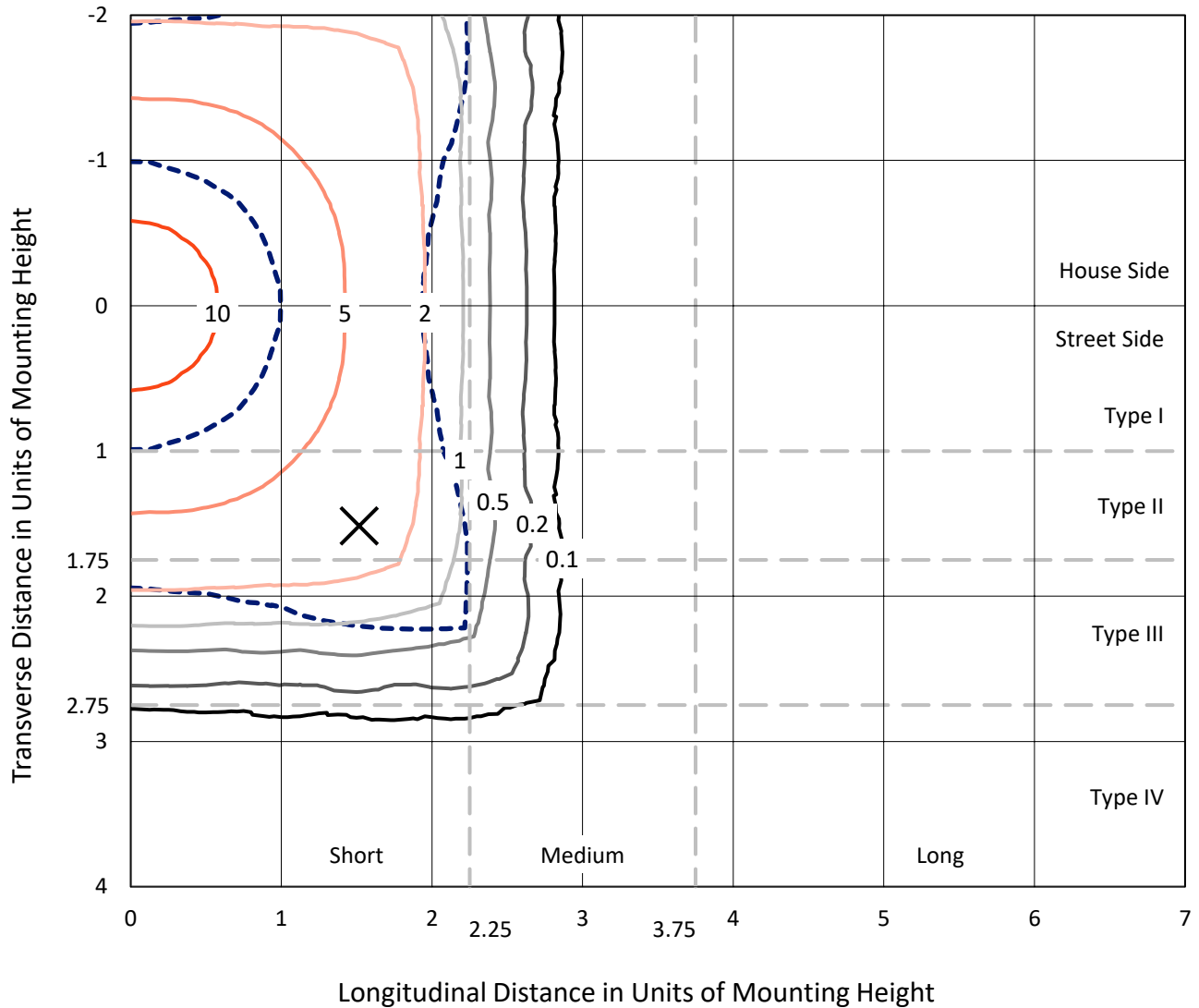
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P951698
 CATALOG NUMBER: GALN-SB5D-740-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

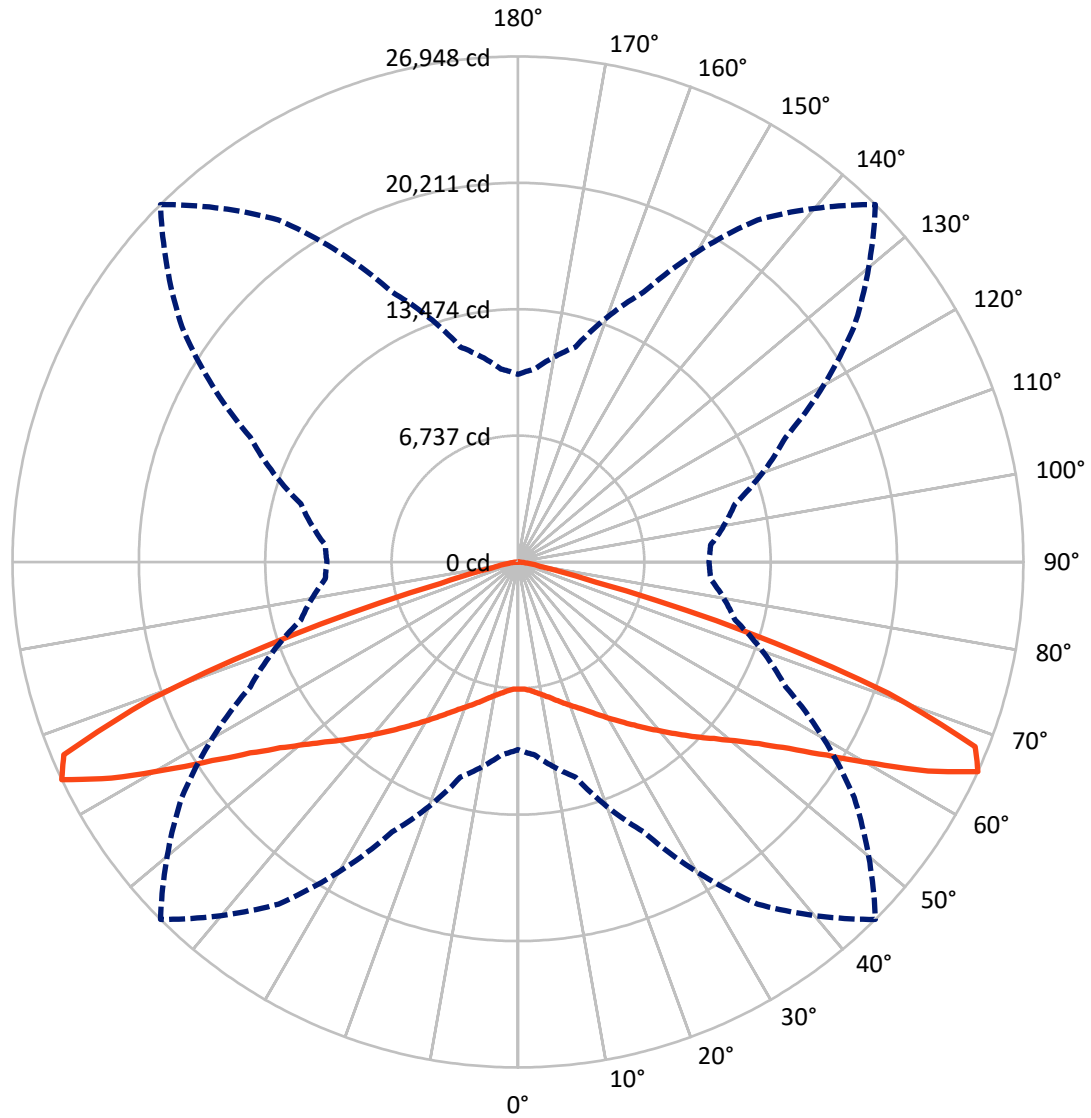
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type V - Short - N/A

REPORT NUMBER: P951698
CATALOG NUMBER: GALN-SB5D-740-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P951698

CATALOG NUMBER: GALN-SB5D-740-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28494.0	0.0	28494.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28494.0	0.0	28494.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	56988.0	0.0	56988.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.3	1.2
10°-20°	2184.1	3.8
20°-30°	4123.8	7.2
30°-40°	6752.6	11.8
40°-50°	10469.9	18.4
50°-60°	15466.3	27.1
60°-70°	14722.4	25.8
70°-80°	2375.7	4.2
80°-90°	223.9	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°	56988.0	100.0
0°-180°	56988.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951698

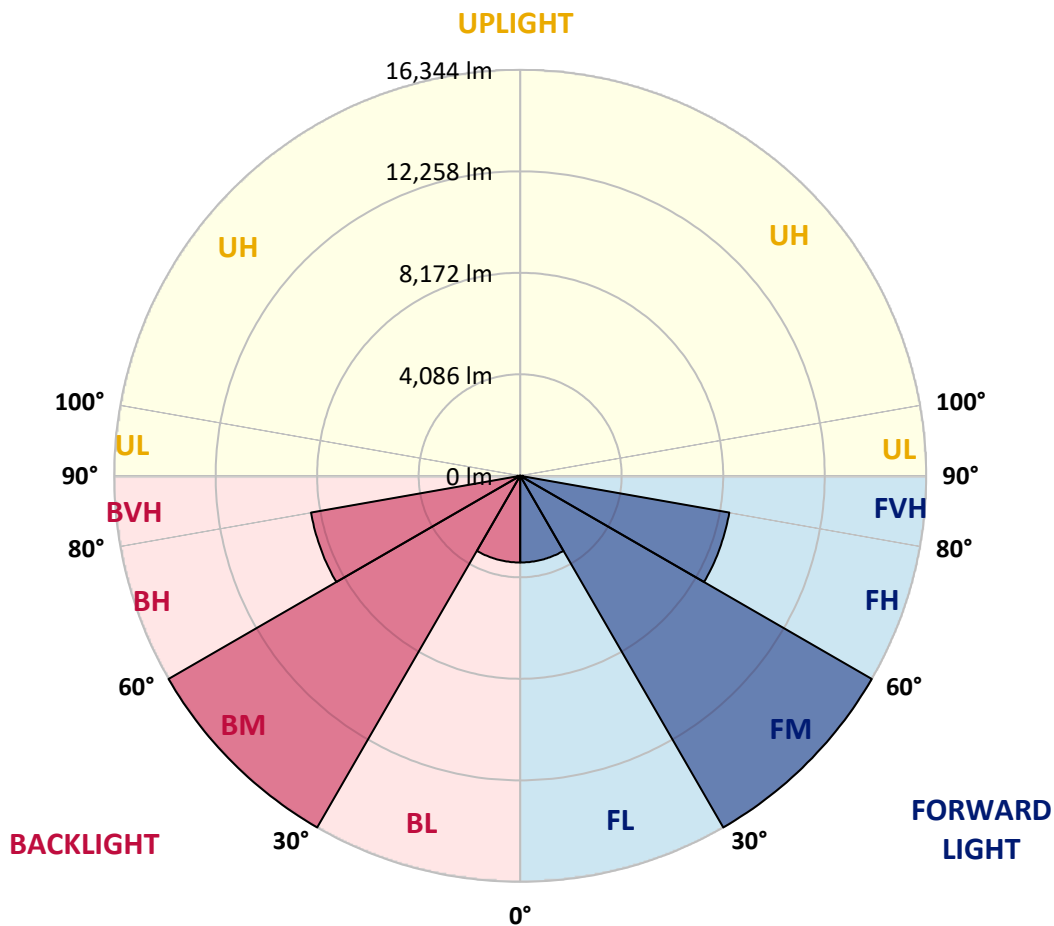
CATALOG NUMBER: GALN-SB5D-740-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3488.6	6.1			
FM (30°-60°)	16344.4	28.7			
FH (60°-80°)	8549.1	15.0			G4/12000
FVH (80°-90°)	112.0	0.2			G2/225
BL (0°-30°)	3488.6	6.1	B4/5000		
BM (30°-60°)	16344.4	28.7	B5		
BH (60°-80°)	8549.1	15.0	B5		G4/12000
BVH (80°-90°)	112.0	0.2			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



REPORT NUMBER: P951698

CATALOG NUMBER: GALN-SB5D-740-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6782.1	6782.1	6782.1	6782.1	6782.1	6782.1	6782.1	6782.1	6782.1	6782.1
2.5°	6827.9	6805.0	6822.2	6807.9	6796.4	6785.0	6790.7	6810.7	6819.3	6822.2
5°	6919.4	6899.4	6907.9	6907.9	6887.9	6882.2	6885.1	6899.4	6916.5	6916.5
7.5°	7068.1	7048.1	7068.1	7056.6	7039.5	7033.8	7030.9	7042.3	7068.1	7068.1
10°	7248.2	7225.3	7236.8	7231.0	7211.0	7202.5	7199.6	7216.7	7239.6	7236.8
12.5°	7445.5	7419.8	7434.1	7416.9	7411.2	7402.6	7402.6	7399.7	7414.0	7402.6
15°	7665.7	7648.5	7654.2	7642.8	7651.4	7645.6	7622.8	7611.3	7617.0	7599.9
17.5°	7925.8	7885.8	7905.8	7900.1	7900.1	7911.5	7874.4	7860.1	7871.5	7854.4
20°	8226.1	8186.0	8194.6	8183.2	8168.9	8180.3	8134.6	8146.0	8154.6	8143.1
22.5°	8554.9	8503.4	8500.6	8506.3	8474.8	8477.7	8446.2	8474.8	8492.0	8460.5
25°	8892.3	8837.9	8875.1	8860.8	8820.8	8829.4	8806.5	8835.1	8849.4	8809.4
27.5°	9249.7	9212.5	9246.8	9255.4	9206.8	9241.1	9206.8	9232.5	9246.8	9186.8
30°	9667.1	9630.0	9661.4	9684.3	9627.1	9681.4	9652.8	9670.0	9672.8	9601.4
32.5°	10121.7	10064.6	10144.6	10156.1	10093.2	10158.9	10121.7	10144.6	10158.9	10061.7
35°	10676.4	10605.0	10696.5	10682.2	10627.8	10682.2	10647.8	10682.2	10716.5	10599.2
37.5°	11274.0	11199.7	11296.9	11271.2	11219.7	11256.9	11236.9	11259.7	11314.1	11188.2
40°	11931.7	11840.2	11971.7	11925.9	11877.3	11871.6	11883.0	11897.3	11968.8	11828.7
42.5°	12635.0	12537.8	12735.1	12663.6	12595.0	12549.3	12586.4	12615.0	12683.6	12526.4
45°	13438.5	13327.0	13584.3	13498.5	13389.9	13295.5	13355.6	13398.4	13498.5	13309.8
47.5°	14324.8	14199.0	14473.5	14447.8	14270.5	14064.7	14201.9	14324.8	14399.2	14170.4
50°	15191.2	15094.0	15454.2	15485.7	15268.4	14979.6	15171.2	15357.0	15377.0	15076.8
52.5°	16003.2	15906.0	16429.3	16626.5	16432.1	16089.0	16292.0	16480.7	16329.2	15940.3
55°	16652.3	16572.2	17238.4	17747.4	17813.1	17530.1	17650.2	17644.4	17146.9	16549.3
57.5°	16809.5	16798.1	17638.7	18716.7	19402.9	19437.2	19199.9	18593.7	17521.5	16718.0
60°	16094.7	16166.2	17321.3	19222.7	21052.7	21813.2	20786.8	19056.9	17095.5	15980.4
62.5°	13956.0	14144.7	15537.2	18605.1	22385.1	24546.7	22059.1	18353.5	15345.6	13890.2
65°	10001.7	10330.5	11868.7	15877.4	22265.0	26948.4	21876.1	15748.8	11983.1	10304.7
67.5°	4537.6	4872.2	6178.8	10870.9	19354.3	26296.5	19308.5	10985.2	6487.6	4889.3
70°	1644.1	1701.3	2121.6	4351.8	12369.1	20952.6	12898.1	4383.2	2255.9	1812.8
72.5°	995.0	1003.6	1092.2	1558.3	4297.5	12720.8	4480.4	1609.8	1115.1	989.3
75°	631.9	626.2	777.7	952.1	1524.0	4291.7	1598.3	952.1	774.9	706.2
77.5°	454.6	468.9	557.6	712.0	960.7	1455.4	943.6	680.5	557.6	457.5
80°	340.3	348.8	406.0	554.7	674.8	906.4	600.4	503.2	420.3	285.9
82.5°	245.9	245.9	265.9	403.2	411.7	488.9	326.0	354.5	277.3	203.0
85°	145.8	143.0	165.8	240.2	214.4	180.1	148.7	217.3	174.4	125.8
87.5°	51.5	54.3	51.5	68.6	57.2	48.6	45.7	60.0	48.6	42.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6782.1
6822.2
6916.5
7059.5
7231.0
7408.3
7602.7
7868.7
8168.9
8492.0
8855.1
9232.5
9644.3
10127.5
10670.7
11265.4
11874.5
12609.3
13407.0
14247.6
15114.0
15951.8
16569.4
16666.6
15848.8
13804.5
10181.8
4817.8
1789.9
1006.5
712.0
466.1
294.5
203.0
122.9
40.0
0.0

OF REPORT)