

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: P953129

Luminaire Tested: **GALN-SB6D-740-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953129  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6D-740-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

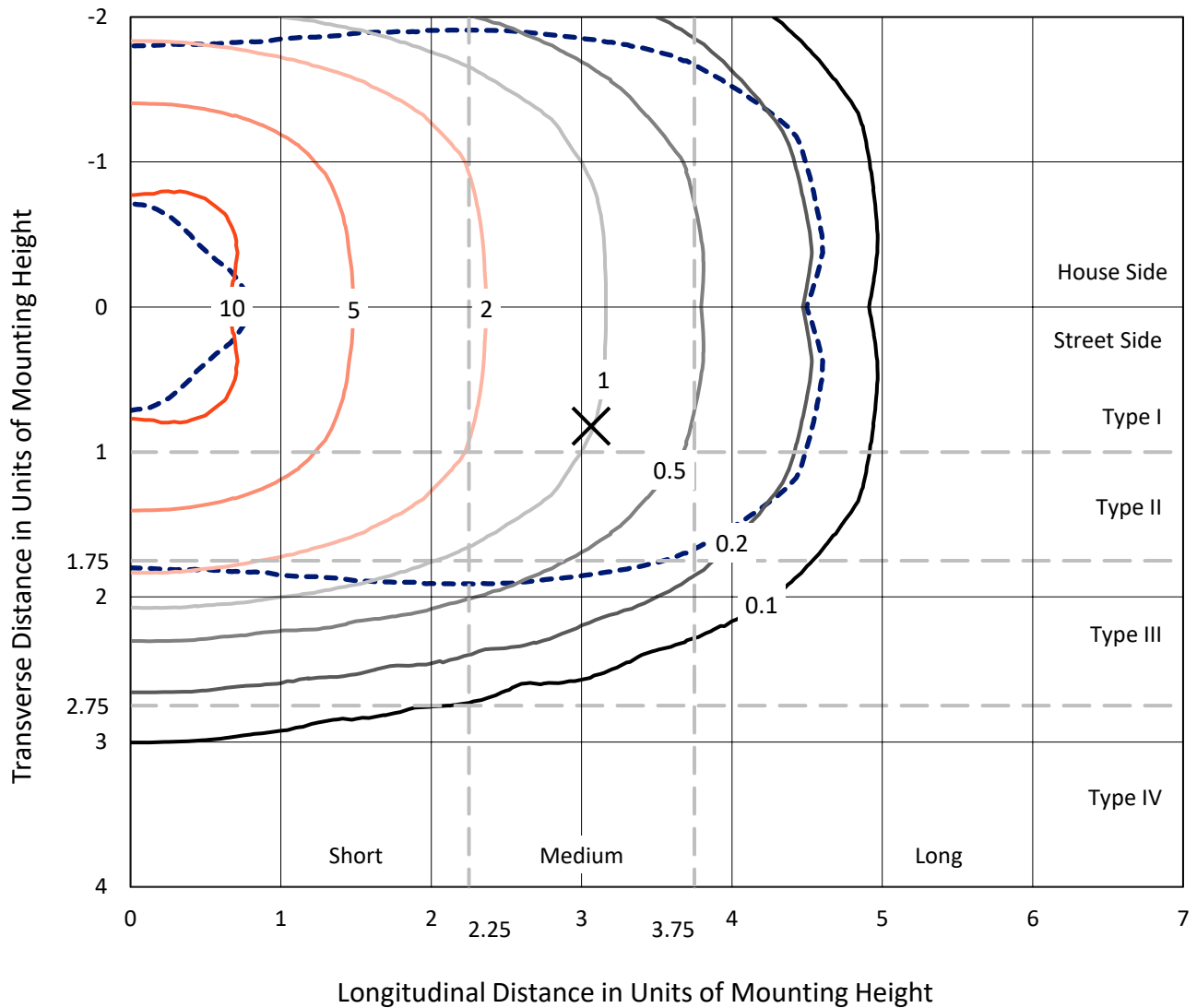
Lumens per Lamp: N/A  
Luminaire Lumens: 67228 lumens  
Efficiency: N/A  
Efficacy: 152.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): 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: P953129  
 CATALOG NUMBER: GALN-SB6D-740-U-RW

### Iso-Footcandle Lines of Horizontal Illumination

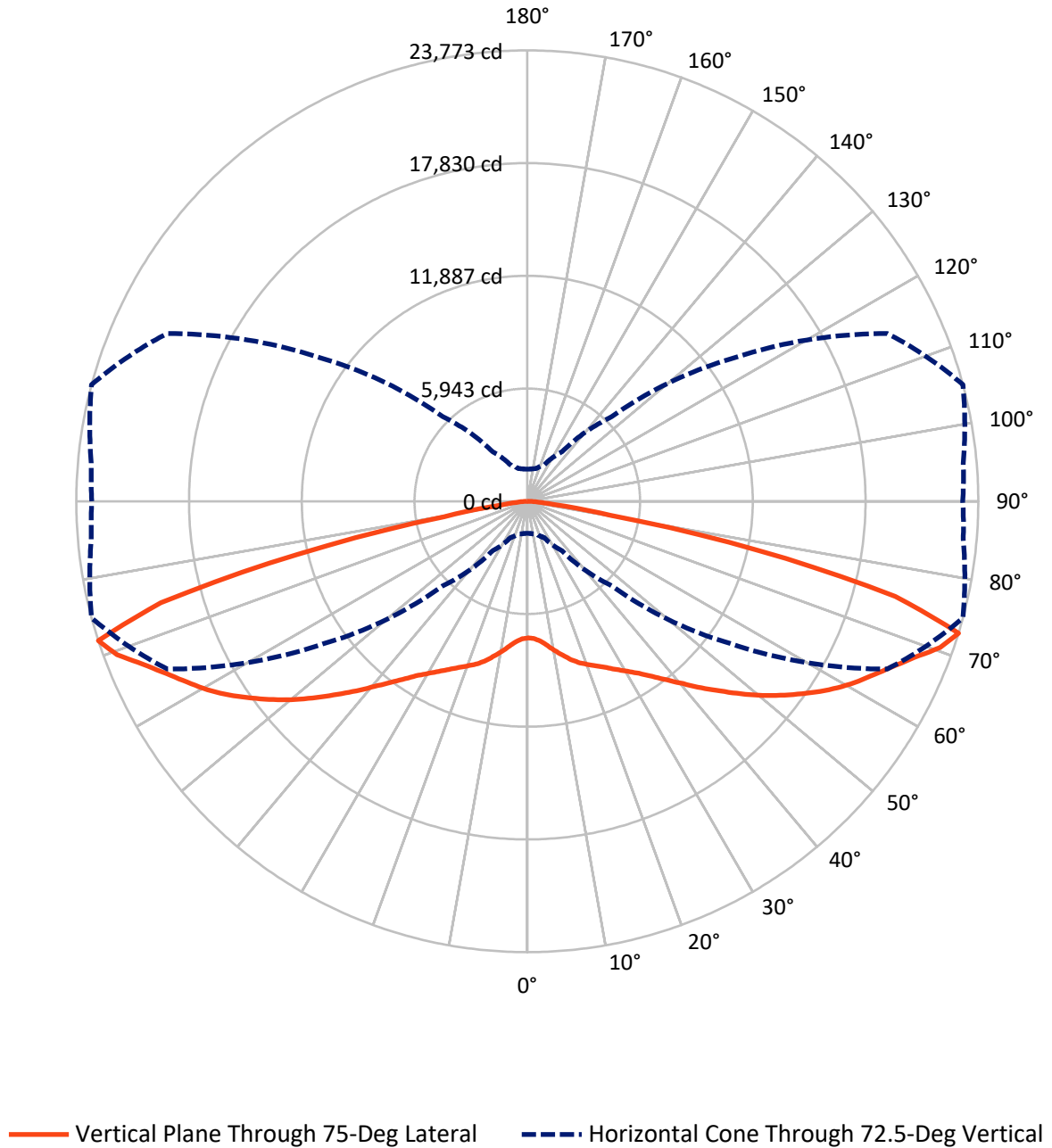
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc  
 Type III - Medium - N/A

REPORT NUMBER: P953129  
CATALOG NUMBER: GALN-SB6D-740-U-RW

### Luminous Intensity Polar Plot



REPORT NUMBER: P953129  
 CATALOG NUMBER: GALN-SB6D-740-U-RW

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	33614.0	0.0	33614.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	33614.0	0.0	33614.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	67228.0	0.0	67228.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	705.4	1.0
10°-20°	2326.7	3.5
20°-30°	4495.8	6.7
30°-40°	7591.4	11.3
40°-50°	12039.1	17.9
50°-60°	16119.0	24.0
60°-70°	15340.1	22.8
70°-80°	8004.7	11.9
80°-90°	605.9	0.9
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°	67228.0	100.0
0°-180°	67228.0	100.0

**Coefficient of Utilization**

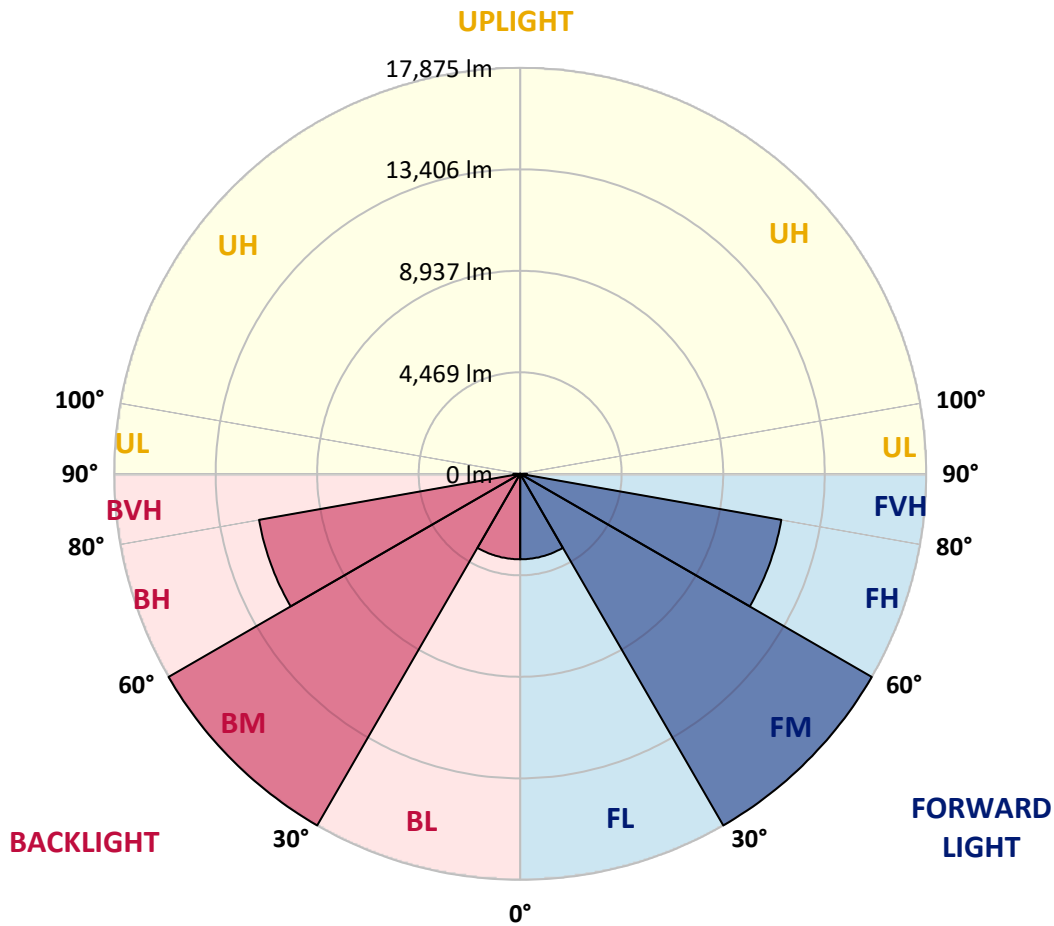


REPORT NUMBER: P953129  
 CATALOG NUMBER: GALN-SB6D-740-U-RW

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3763.9	5.6			
FM (30°-60°)	17874.7	26.6			
FH (60°-80°)	11672.4	17.4			G4/12000
FVH (80°-90°)	303.0	0.5			G3/500
BL (0°-30°)	3763.9	5.6	B4/5000		
BM (30°-60°)	17874.7	26.6	B5		
BH (60°-80°)	11672.4	17.4	B5		G5
BVH (80°-90°)	303.0	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type III Medium



REPORT NUMBER: P953129

CATALOG NUMBER: GALN-SB6D-740-U-RW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7201.3	7201.3	7201.3	7201.3	7201.3	7201.3	7201.3	7201.3	7201.3	7201.3
2.5°	7201.3	7194.5	7201.3	7208.2	7204.8	7204.8	7221.9	7232.2	7252.8	7249.4
5°	7153.3	7149.8	7177.3	7208.2	7232.2	7273.4	7324.9	7362.6	7410.7	7421.0
7.5°	7129.2	7118.9	7167.0	7221.9	7297.4	7400.4	7499.9	7602.9	7685.3	7712.8
10°	7146.4	7149.8	7215.1	7318.0	7438.2	7582.3	7723.1	7898.1	8014.8	8042.3
12.5°	7225.3	7218.5	7328.3	7493.1	7657.8	7839.8	8004.5	8196.7	8323.7	8389.0
15°	7369.5	7355.8	7510.2	7753.9	7994.2	8207.0	8340.9	8522.8	8670.4	8752.8
17.5°	7541.1	7548.0	7750.5	8066.3	8382.1	8622.4	8749.4	8842.0	8955.3	9027.4
20°	7843.2	7856.9	8083.5	8457.6	8818.0	9092.6	9195.6	9161.3	9192.2	9247.1
22.5°	8248.2	8255.1	8509.1	8914.1	9291.7	9593.8	9662.4	9521.7	9435.9	9473.6
25°	8718.5	8763.1	9017.1	9432.4	9820.3	10108.6	10139.5	9926.7	9713.9	9724.2
27.5°	9291.7	9332.9	9590.3	10002.2	10397.0	10647.5	10644.1	10359.2	10046.8	9967.9
30°	9913.0	9957.6	10221.9	10647.5	11014.8	11234.5	11186.4	10846.6	10400.4	10252.8
32.5°	10651.0	10678.4	10946.1	11371.8	11711.6	11886.6	11787.1	11368.3	10812.3	10644.1
35°	11543.4	11584.6	11783.7	12185.3	12483.9	12628.1	12459.9	11965.6	11340.9	11152.1
37.5°	12562.8	12535.4	12761.9	13118.9	13366.0	13455.3	13225.3	12638.4	11945.0	11721.9
40°	13626.9	13613.2	13860.3	14203.6	14337.4	14392.3	14052.5	13410.7	12641.8	12401.5
42.5°	14591.4	14581.1	14914.1	15295.1	15456.4	15394.6	14965.6	14231.0	13448.4	13173.8
45°	15363.7	15350.0	15758.5	16293.9	16609.7	16506.7	15930.1	15137.2	14265.3	13980.5
47.5°	15957.6	15964.4	16403.8	17066.2	17618.9	17656.6	16915.2	16060.5	15164.7	14842.0
50°	16386.6	16407.2	16877.5	17612.0	18367.1	18700.1	17920.9	17007.9	16094.9	15731.0
52.5°	16493.0	16530.8	17097.1	17958.7	18847.7	19482.7	18943.8	17917.5	16977.0	16630.3
55°	15926.7	16002.2	16719.6	17931.2	19142.9	19997.6	19843.1	18840.8	17866.0	17509.0
57.5°	14625.8	14732.2	15569.7	17152.1	19077.7	20351.1	20539.9	19726.4	18755.0	18411.8
60°	12803.1	12930.1	13733.3	15459.8	18157.8	20481.5	21030.7	20588.0	19571.9	19239.0
62.5°	10053.7	10218.5	11179.6	13204.7	16215.0	19874.0	21449.5	21367.1	20306.5	19891.2
65°	6449.6	6624.7	7637.2	10029.7	13623.5	18013.6	21579.9	22125.7	21082.2	20502.1
67.5°	3889.0	3967.9	4469.1	6078.9	9957.6	15209.3	20474.7	22966.7	21988.4	21267.6
70°	2488.5	2533.2	2831.8	3569.8	5629.3	11097.2	17735.6	23124.6	23086.8	22053.6
72.5°	1688.8	1702.5	1781.5	2114.4	3185.3	6305.4	13081.1	20934.6	23773.3	23066.2
75°	1235.7	1311.2	1438.2	1496.6	1808.9	3151.0	7496.5	14708.1	20035.3	20344.3
77.5°	919.9	923.3	1098.4	1167.0	1290.6	1678.5	3171.6	8210.5	12439.3	13060.5
80°	779.2	738.0	734.5	940.5	971.4	1046.9	1417.6	2835.2	4455.3	2701.4
82.5°	648.7	604.1	545.8	734.5	662.5	641.9	614.4	1153.3	1417.6	696.8
85°	453.1	432.5	411.9	480.5	377.6	322.7	295.2	538.9	597.2	295.2
87.5°	195.7	202.5	205.9	212.8	157.9	113.3	113.3	151.0	151.0	116.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7201.3
7245.9
7421.0
7719.6
8069.7
8416.4
8783.7
9061.7
9288.3
9501.1
9741.4
9991.9
10270.0
10685.3
11179.6
11763.1
12480.5
13242.5
14045.7
14938.1
15840.8
16719.6
17608.6
18490.7
19311.1
19939.2
20574.2
21322.5
22046.8
22956.4
19596.0
11649.8
2042.3
593.8
260.9
85.8
0.0

OF REPORT)