

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: P953231

Luminaire Tested: **GALN-SB6D-835-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953231
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-SB6D-835-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59977 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

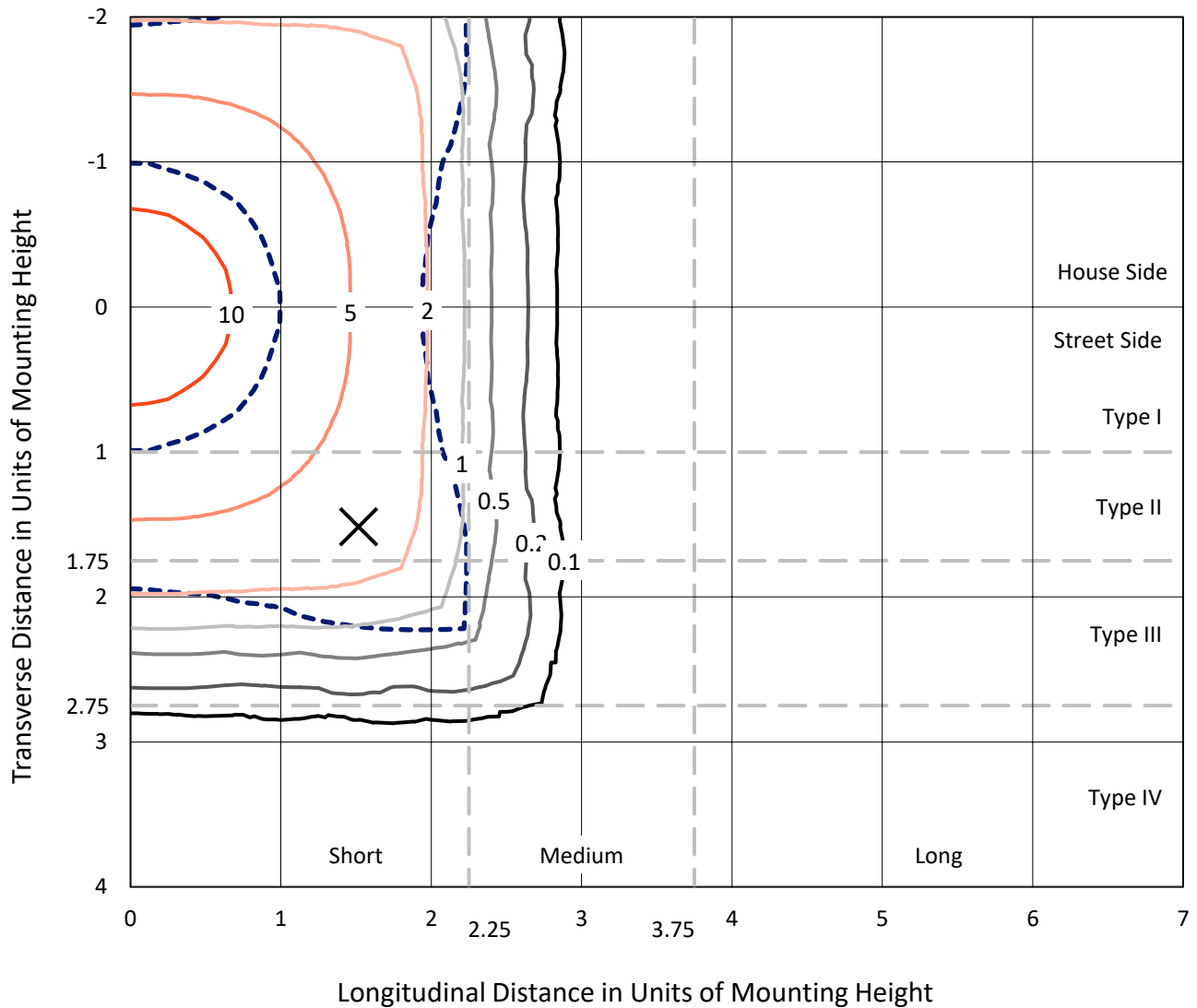
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953231
 CATALOG NUMBER: GALN-SB6D-835-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

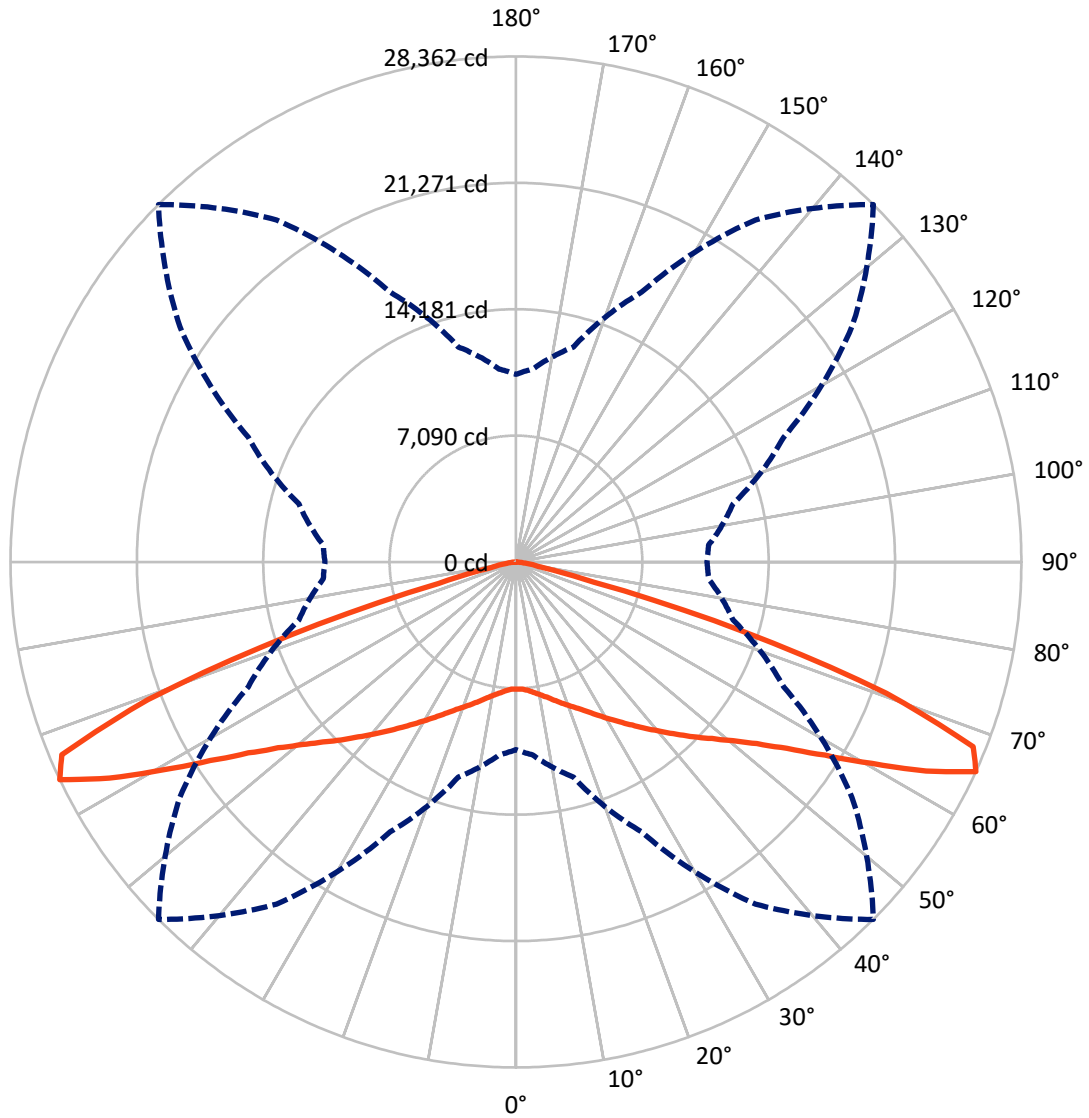
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type V - Short - N/A

REPORT NUMBER: P953231
CATALOG NUMBER: GALN-SB6D-835-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P953231

CATALOG NUMBER: GALN-SB6D-835-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29988.5	0.0	29988.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29988.5	0.0	29988.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	59977.0	0.0	59977.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	704.4	1.2
10°-20°	2298.6	3.8
20°-30°	4340.1	7.2
30°-40°	7106.7	11.8
40°-50°	11019.1	18.4
50°-60°	16277.5	27.1
60°-70°	15494.6	25.8
70°-80°	2500.3	4.2
80°-90°	235.7	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°	59977.0	100.0
0°-180°	59977.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953231

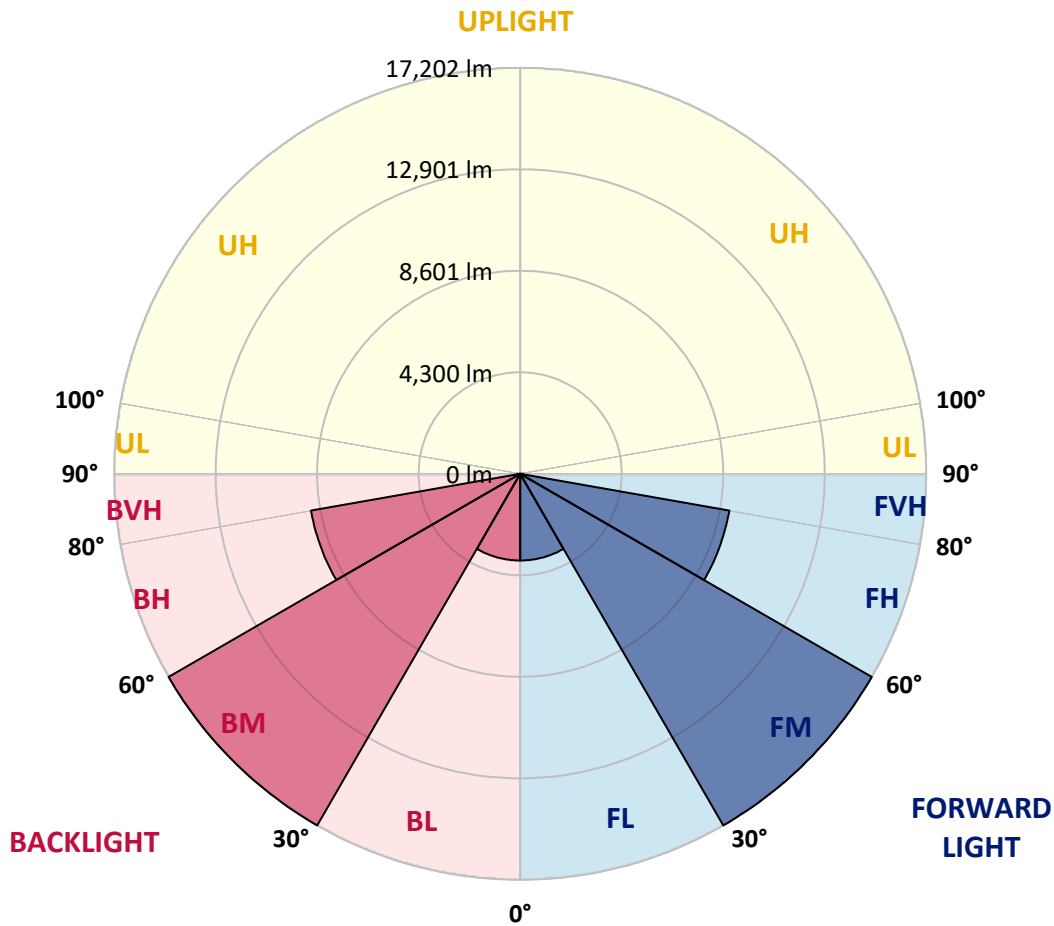
CATALOG NUMBER: GALN-SB6D-835-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3671.6	6.1			
FM (30°-60°)	17201.6	28.7			
FH (60°-80°)	8997.4	15.0			G4/12000
FVH (80°-90°)	117.8	0.2			G2/225
BL (0°-30°)	3671.6	6.1	B4/5000		
BM (30°-60°)	17201.6	28.7	B5		
BH (60°-80°)	8997.4	15.0	B5		G4/12000
BVH (80°-90°)	117.8	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: P953231
 CATALOG NUMBER: GALN-SB6D-835-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7137.9	7137.9	7137.9	7137.9	7137.9	7137.9	7137.9	7137.9	7137.9	7137.9
2.5°	7186.0	7161.9	7180.0	7164.9	7152.9	7140.9	7146.9	7168.0	7177.0	7180.0
5°	7282.3	7261.2	7270.3	7270.3	7249.2	7243.2	7246.2	7261.2	7279.3	7279.3
7.5°	7438.8	7417.7	7438.8	7426.7	7408.7	7402.7	7399.7	7411.7	7438.8	7438.8
10°	7628.4	7604.3	7616.3	7610.3	7589.2	7580.2	7577.2	7595.3	7619.3	7616.3
12.5°	7836.0	7808.9	7824.0	7805.9	7799.9	7790.9	7790.9	7787.9	7802.9	7790.9
15°	8067.7	8049.7	8055.7	8043.6	8052.7	8046.6	8022.6	8010.5	8016.6	7998.5
17.5°	8341.5	8299.4	8320.5	8314.5	8314.5	8326.5	8287.4	8272.3	8284.4	8266.3
20°	8657.5	8615.4	8624.4	8612.4	8597.3	8609.4	8561.2	8573.3	8582.3	8570.3
22.5°	9003.6	8949.4	8946.4	8952.4	8919.3	8922.3	8889.2	8919.3	8937.4	8904.3
25°	9358.7	9301.5	9340.6	9325.6	9283.4	9292.5	9268.4	9298.5	9313.5	9271.4
27.5°	9734.8	9695.7	9731.8	9740.8	9689.7	9725.8	9689.7	9716.8	9731.8	9668.6
30°	10174.2	10135.0	10168.1	10192.2	10132.0	10189.2	10159.1	10177.2	10180.2	10105.0
32.5°	10652.6	10592.4	10676.7	10688.7	10622.5	10691.7	10652.6	10676.7	10691.7	10589.4
35°	11236.4	11161.2	11257.5	11242.4	11185.3	11242.4	11206.3	11242.4	11278.5	11155.2
37.5°	11865.3	11787.1	11889.4	11862.3	11808.2	11847.3	11826.2	11850.3	11907.5	11775.1
40°	12557.5	12461.2	12599.6	12551.4	12500.3	12494.3	12506.3	12521.4	12596.6	12449.1
42.5°	13297.7	13195.4	13403.1	13327.8	13255.6	13207.5	13246.6	13276.7	13348.9	13183.4
45°	14143.3	14026.0	14296.8	14206.5	14092.2	13992.9	14056.1	14101.2	14206.5	14007.9
47.5°	15076.2	14943.8	15232.7	15205.6	15019.0	14802.3	14946.8	15076.2	15154.4	14913.7
50°	15988.0	15885.7	16264.8	16297.9	16069.2	15765.3	15966.9	16162.5	16183.6	15867.6
52.5°	16842.6	16740.3	17291.0	17498.6	17294.0	16932.9	17146.5	17345.1	17185.6	16776.4
55°	17525.7	17441.4	18142.6	18678.2	18747.4	18449.5	18575.9	18569.9	18046.3	17417.3
57.5°	17691.2	17679.2	18563.9	19698.3	20420.5	20456.7	20206.9	19568.9	18440.5	17594.9
60°	16938.9	17014.1	18229.8	20231.0	22156.9	22957.3	21877.0	20056.4	17992.1	16818.5
62.5°	14688.0	14886.6	16352.1	19581.0	23559.2	25834.1	23216.1	19316.2	16150.5	14618.8
65°	10526.2	10872.3	12491.3	16710.2	23432.8	28361.9	23023.5	16574.8	12611.6	10845.2
67.5°	4775.6	5127.7	6502.9	11441.0	20369.4	27675.8	20321.2	11561.4	6827.9	5145.8
70°	1730.3	1790.5	2232.8	4580.0	13017.9	22051.5	13574.6	4613.1	2374.3	1907.8
72.5°	1047.2	1056.2	1149.5	1640.0	4522.9	13388.0	4715.4	1694.2	1173.6	1041.2
75°	665.0	659.0	818.5	1002.1	1603.9	4516.8	1682.2	1002.1	815.5	743.3
77.5°	478.5	493.5	586.8	749.3	1011.1	1531.7	993.0	716.2	586.8	481.5
80°	358.1	367.1	427.3	583.8	710.2	953.9	631.9	529.6	442.4	300.9
82.5°	258.8	258.8	279.9	424.3	433.3	514.6	343.1	373.1	291.9	213.7
85°	153.5	150.5	174.5	252.8	225.7	189.6	156.5	228.7	183.6	132.4
87.5°	54.2	57.2	54.2	72.2	60.2	51.2	48.1	63.2	51.2	45.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7137.9
7180.0
7279.3
7429.8
7610.3
7796.9
8001.5
8281.4
8597.3
8937.4
9319.5
9716.8
10150.1
10658.6
11230.4
11856.3
12497.3
13270.6
14110.2
14994.9
15906.7
16788.4
17438.4
17540.7
16680.1
14528.5
10715.8
5070.5
1883.8
1059.2
749.3
490.5
309.9
213.7
129.4
42.1
0.0

OF REPORT)