

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: P955964

Luminaire Tested: **GALN-SB8D-735-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955964
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-SB8D-735-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 84733 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

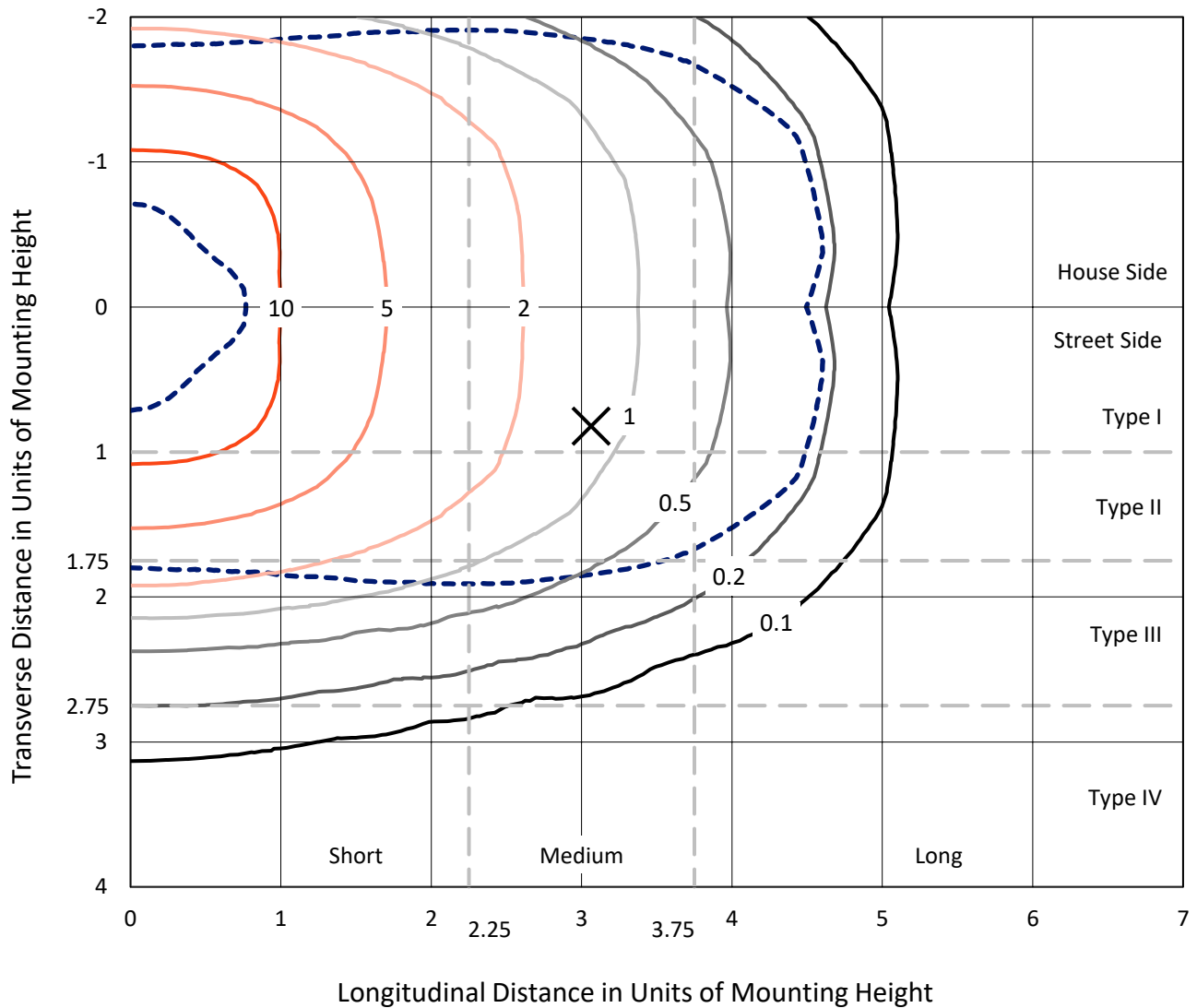
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P955964
 CATALOG NUMBER: GALN-SB8D-735-U-RW

Iso-Footcandle Lines of Horizontal Illumination

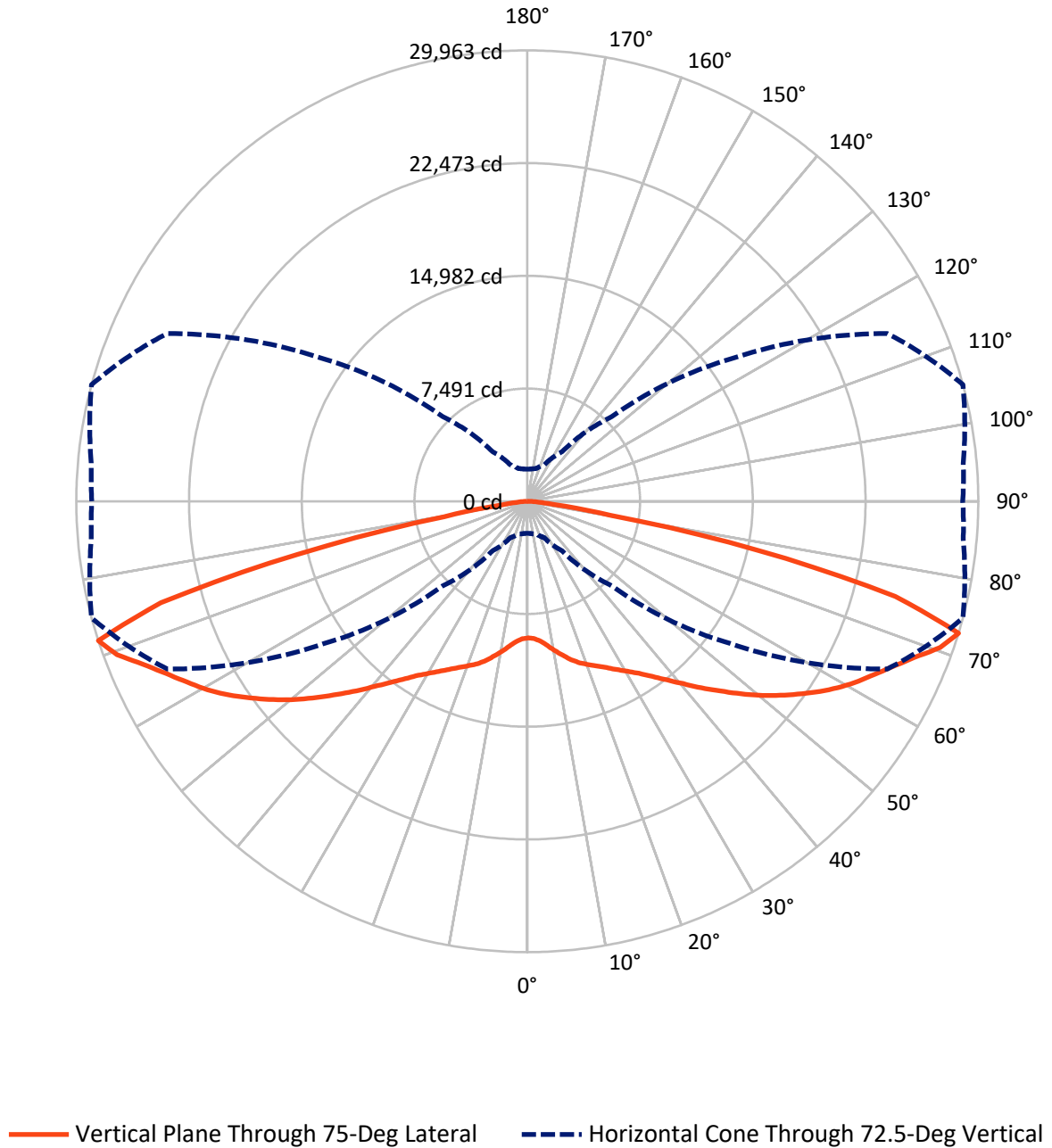
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P955964
CATALOG NUMBER: GALN-SB8D-735-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P955964

CATALOG NUMBER: GALN-SB8D-735-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	42366.5	0.0	42366.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	42366.5	0.0	42366.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	84733.0	0.0	84733.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	889.1	1.0
10°-20°	2932.5	3.5
20°-30°	5666.4	6.7
30°-40°	9568.1	11.3
40°-50°	15173.9	17.9
50°-60°	20316.0	24.0
60°-70°	19334.3	22.8
70°-80°	10089.0	11.9
80°-90°	763.7	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°	84733.0	100.0
0°-180°	84733.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955964

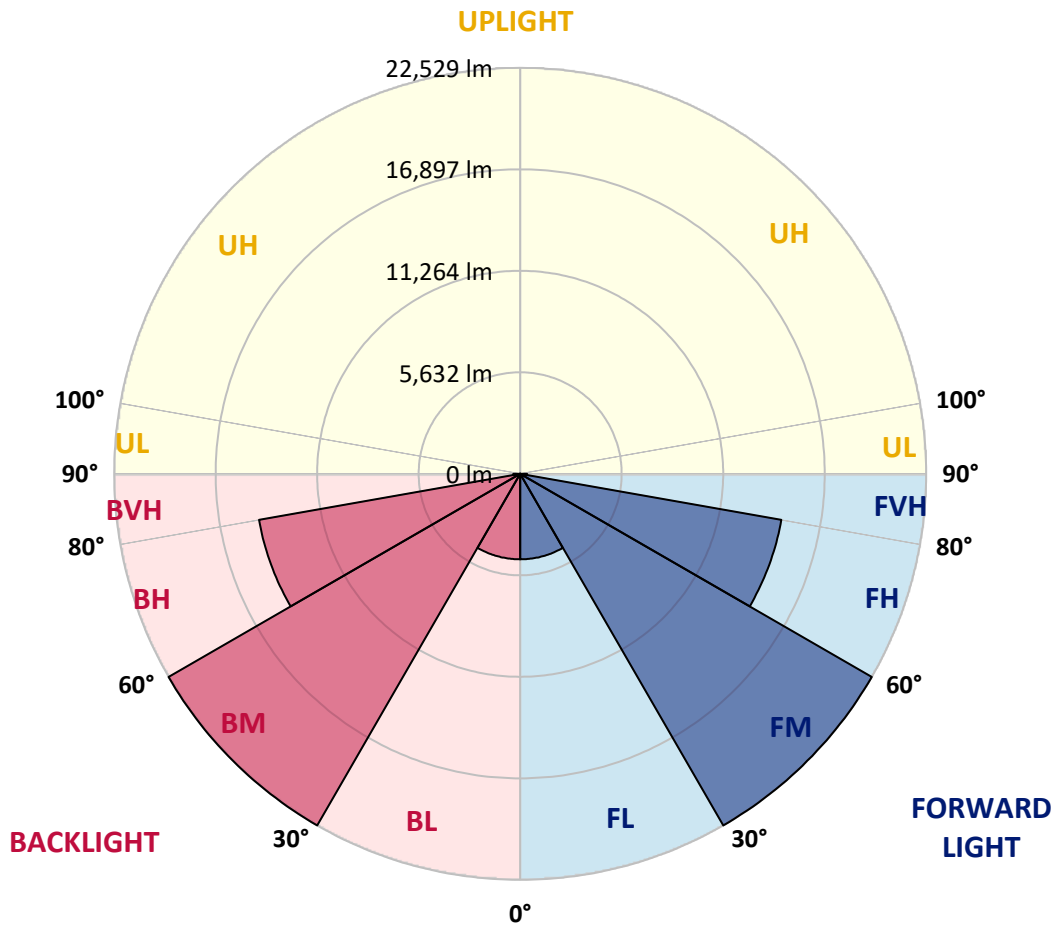
CATALOG NUMBER: GALN-SB8D-735-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4744.0	5.6			
FM (30°-60°)	22529.0	26.6			
FH (60°-80°)	14711.7	17.4			G5
FVH (80°-90°)	381.8	0.5			G3/500
BL (0°-30°)	4744.0	5.6	B4/5000		
BM (30°-60°)	22529.0	26.6	B5		
BH (60°-80°)	14711.7	17.4	B5		G5
BVH (80°-90°)	381.8	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: P955964

CATALOG NUMBER: GALN-SB8D-735-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9076.4	9076.4	9076.4	9076.4	9076.4	9076.4	9076.4	9076.4	9076.4	9076.4
2.5°	9076.4	9067.8	9076.4	9085.1	9080.7	9080.7	9102.4	9115.4	9141.3	9137.0
5°	9015.9	9011.5	9046.1	9085.1	9115.4	9167.3	9232.2	9279.8	9340.3	9353.3
7.5°	8985.6	8972.6	9033.2	9102.4	9197.6	9327.3	9452.8	9582.6	9686.4	9721.0
10°	9007.2	9011.5	9093.7	9223.5	9374.9	9556.6	9734.0	9954.6	10101.7	10136.3
12.5°	9106.7	9098.1	9236.5	9444.2	9651.8	9881.1	10088.8	10331.0	10491.1	10573.3
15°	9288.4	9271.1	9465.8	9772.9	10075.8	10344.0	10512.7	10742.0	10928.0	11031.9
17.5°	9504.7	9513.4	9768.6	10166.6	10564.6	10867.5	11027.5	11144.4	11287.1	11378.0
20°	9885.4	9902.7	10188.3	10659.8	11114.1	11460.2	11590.0	11546.7	11585.6	11654.9
22.5°	10395.9	10404.6	10724.7	11235.2	11711.1	12091.8	12178.3	12000.9	11892.8	11940.4
25°	10988.6	11044.9	11365.0	11888.5	12377.3	12740.7	12779.7	12511.4	12243.2	12256.2
27.5°	11711.1	11763.0	12087.5	12606.6	13104.1	13420.0	13415.6	13056.5	12662.9	12563.4
30°	12494.1	12550.4	12883.5	13420.0	13882.9	14159.7	14099.2	13670.9	13108.5	12922.4
32.5°	13424.3	13458.9	13796.3	14332.8	14761.1	14981.7	14856.3	14328.5	13627.6	13415.6
35°	14549.1	14601.0	14851.9	15358.1	15734.5	15916.2	15704.2	15081.2	14293.8	14055.9
37.5°	15834.0	15799.4	16084.9	16534.8	16846.3	16958.8	16668.9	15929.2	15055.3	14774.1
40°	17175.1	17157.8	17469.3	17901.9	18070.6	18139.9	17711.6	16902.6	15933.5	15630.7
42.5°	18390.8	18377.8	18797.4	19277.7	19481.0	19403.1	18862.3	17936.5	16950.2	16604.1
45°	19364.2	19346.9	19861.7	20536.6	20934.6	20804.8	20078.0	19078.7	17979.8	17620.7
47.5°	20112.6	20121.3	20675.0	21510.0	22206.5	22254.1	21319.6	20242.4	19113.3	18706.6
50°	20653.4	20679.4	21272.1	22197.9	23149.6	23569.3	22587.2	21436.4	20285.7	19827.1
52.5°	20787.5	20835.1	21548.9	22634.8	23755.3	24555.7	23876.4	22582.9	21397.5	20960.6
55°	20073.7	20168.9	21073.0	22600.2	24127.4	25204.6	25009.9	23746.7	22518.0	22068.1
57.5°	18434.0	18568.2	19623.8	21618.1	24045.2	25650.2	25888.1	24862.8	23638.5	23205.9
60°	16136.8	16296.9	17309.2	19485.3	22885.7	25814.6	26506.8	25948.7	24668.1	24248.5
62.5°	12671.5	12879.2	14090.5	16643.0	20437.1	25048.8	27034.6	26930.8	25594.0	25070.5
65°	8129.0	8349.6	9625.9	12641.2	17170.8	22704.0	27199.0	27886.8	26571.7	25840.5
67.5°	4901.6	5001.1	5632.7	7661.7	12550.4	19169.5	25805.9	28946.8	27713.8	26805.3
70°	3136.5	3192.8	3569.1	4499.3	7095.0	13986.7	22353.6	29145.8	29098.2	27796.0
72.5°	2128.5	2145.8	2245.3	2665.0	4014.7	7947.3	16487.2	26385.6	29963.4	29072.2
75°	1557.4	1652.6	1812.7	1886.2	2279.9	3971.5	9448.5	18537.9	25252.2	25641.5
77.5°	1159.4	1163.8	1384.4	1470.9	1626.7	2115.5	3997.4	10348.3	15678.2	16461.3
80°	982.1	930.1	925.8	1185.4	1224.3	1319.5	1786.7	3573.5	5615.4	3404.7
82.5°	817.7	761.4	687.9	925.8	835.0	809.0	774.4	1453.6	1786.7	878.2
85°	571.1	545.1	519.1	605.7	475.9	406.7	372.1	679.2	752.8	372.1
87.5°	246.6	255.2	259.6	268.2	199.0	142.8	142.8	190.4	190.4	147.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
9076.4
9132.7
9353.3
9729.7
10171.0
10607.9
11070.8
11421.2
11706.8
11975.0
12277.8
12593.6
12944.1
13467.5
14090.5
14826.0
15730.2
16690.6
17702.9
18827.7
19965.5
21073.0
22193.5
23305.4
24339.3
25131.0
25931.4
26874.5
27787.3
28933.8
24698.4
14683.2
2574.1
748.4
328.8
108.2
0.0

OF REPORT)