

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: P952394

Luminaire Tested: **GALN-SB6B-735-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952394
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-SB6B-735-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35163 lumens
Efficiency: N/A
Efficacy: 159.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

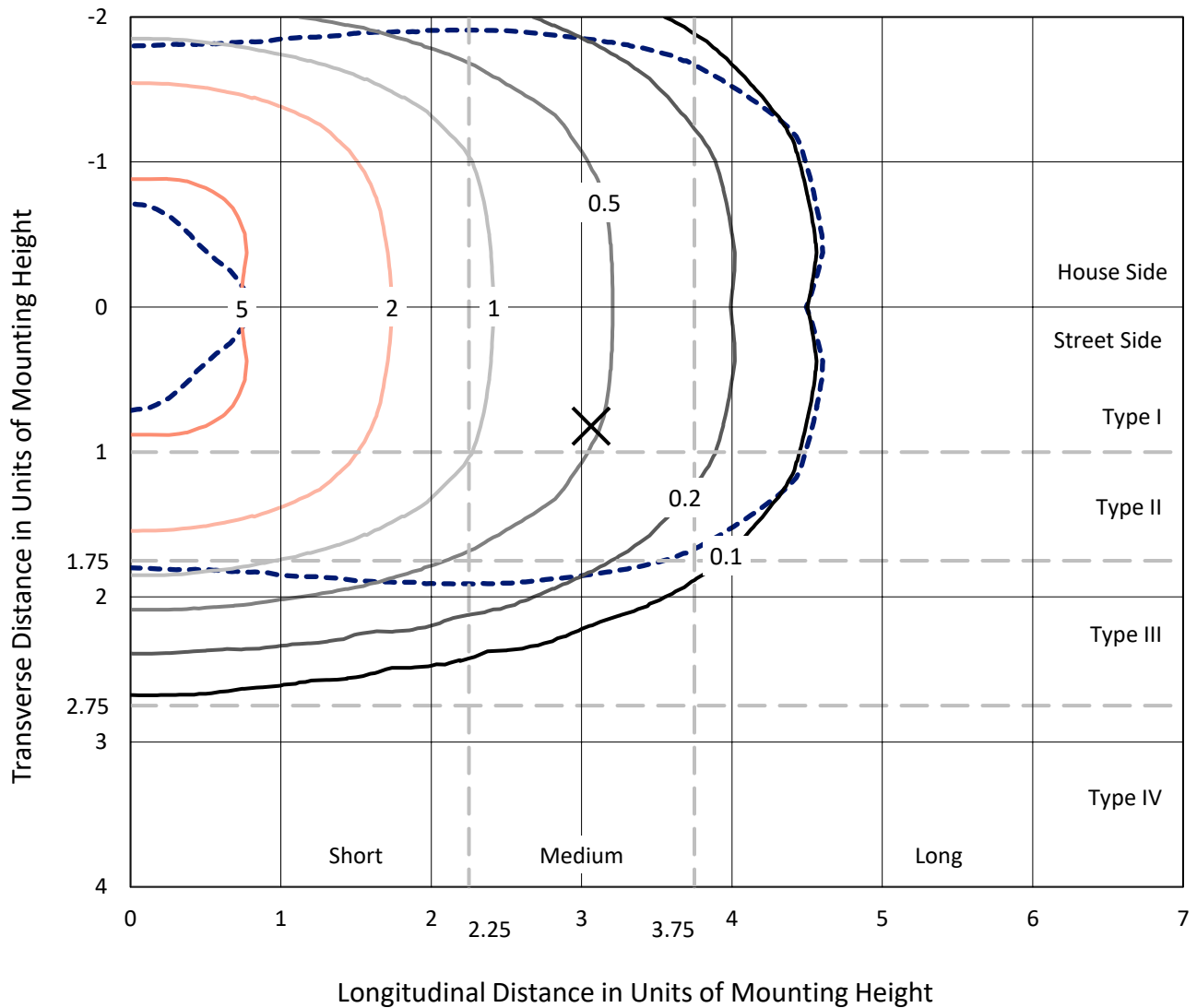
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952394
 CATALOG NUMBER: GALN-SB6B-735-U-RW

Iso-Footcandle Lines of Horizontal Illumination

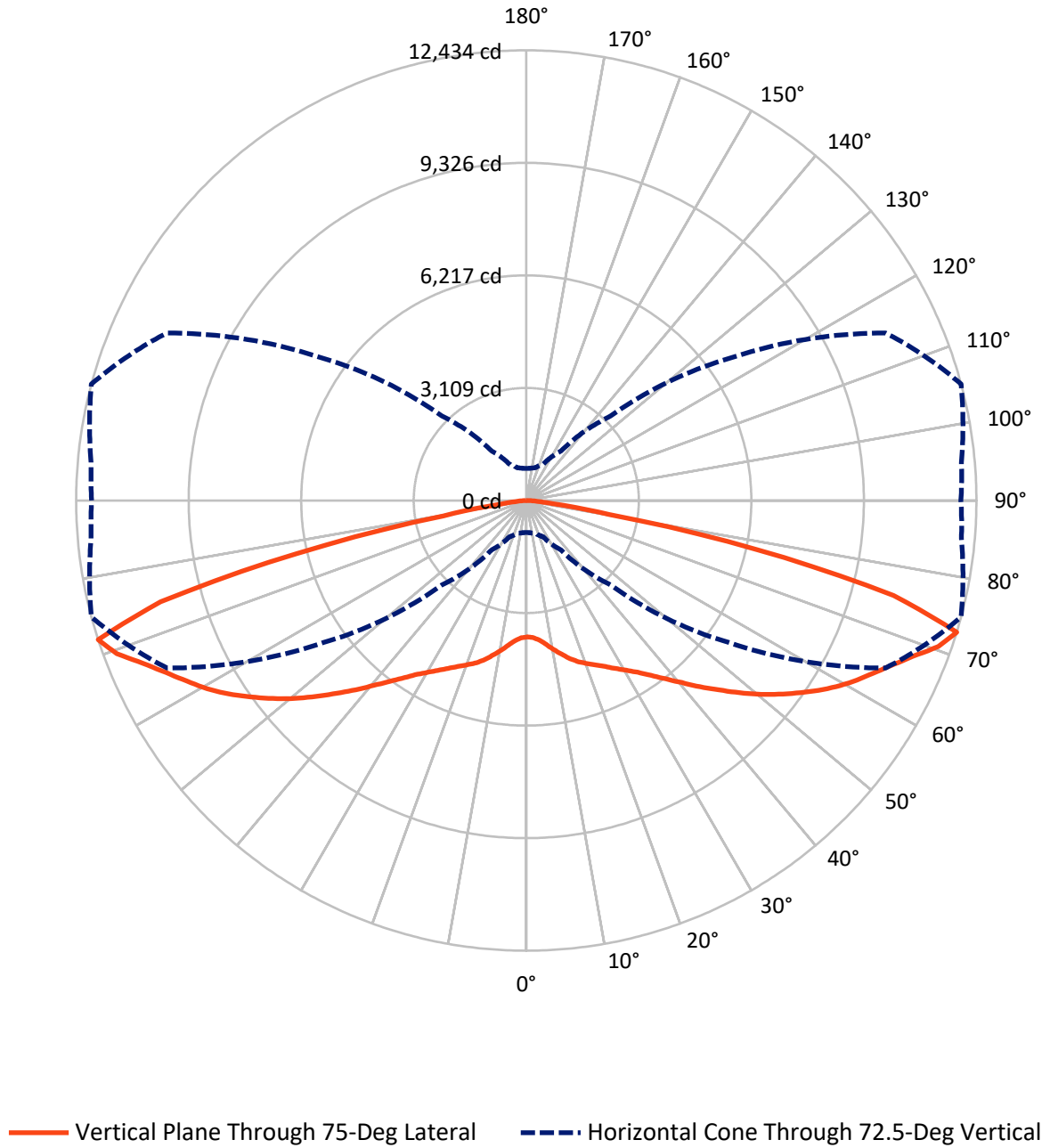
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P952394
CATALOG NUMBER: GALN-SB6B-735-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P952394

CATALOG NUMBER: GALN-SB6B-735-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17581.5	0.0	17581.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17581.5	0.0	17581.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35163.0	0.0	35163.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.0	1.0
10°-20°	1216.9	3.5
20°-30°	2351.5	6.7
30°-40°	3970.6	11.3
40°-50°	6296.9	17.9
50°-60°	8430.9	24.0
60°-70°	8023.5	22.8
70°-80°	4186.8	11.9
80°-90°	316.9	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°	35163.0	100.0
0°-180°	35163.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952394

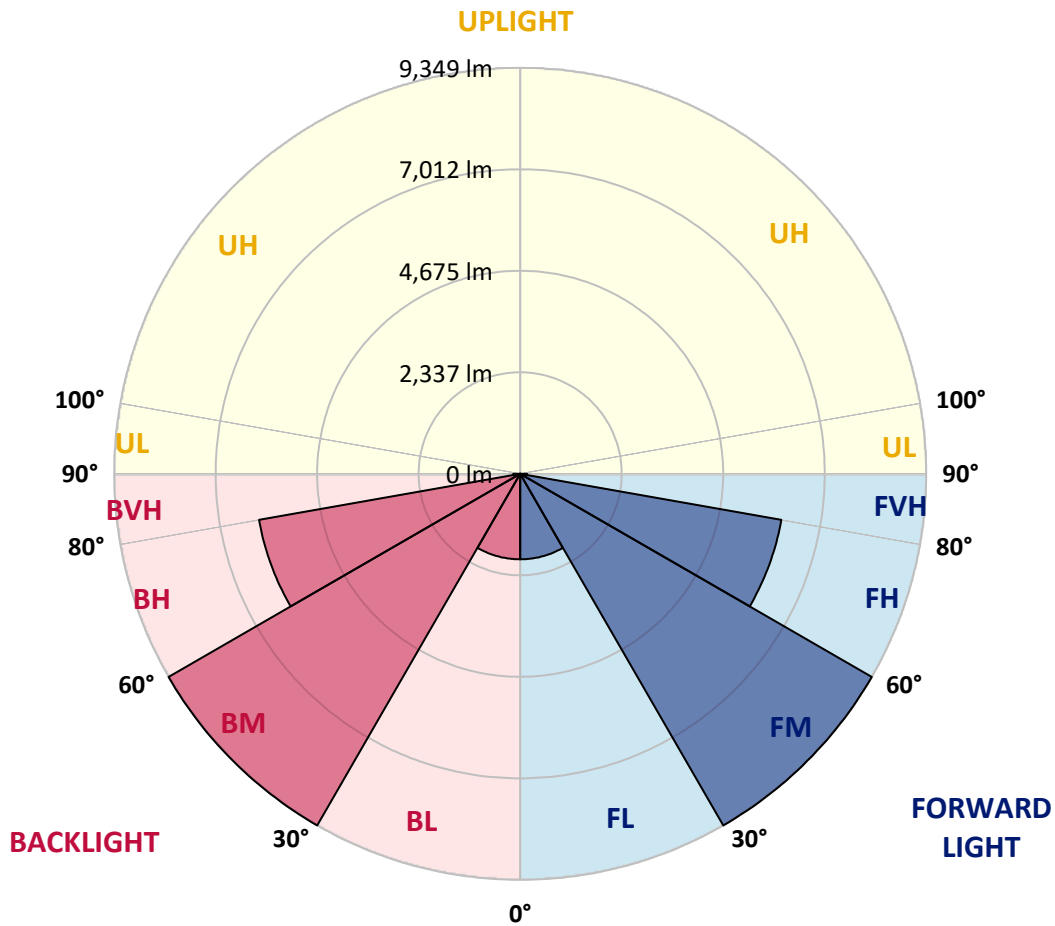
CATALOG NUMBER: GALN-SB6B-735-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1968.7	5.6			
FM (30°-60°)	9349.2	26.6			
FH (60°-80°)	6105.1	17.4			G3/7500
FVH (80°-90°)	158.5	0.5			G2/225
BL (0°-30°)	1968.7	5.6	B3/2500		
BM (30°-60°)	9349.2	26.6	B5		
BH (60°-80°)	6105.1	17.4	B5		G5
BVH (80°-90°)	158.5	0.5			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 III Medium



REPORT NUMBER: P952394
 CATALOG NUMBER: GALN-SB6B-735-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3766.6	3766.6	3766.6	3766.6	3766.6	3766.6	3766.6	3766.6	3766.6	3766.6
2.5°	3766.6	3763.0	3766.6	3770.2	3768.4	3768.4	3777.4	3782.7	3793.5	3791.7
5°	3741.5	3739.7	3754.0	3770.2	3782.7	3804.3	3831.2	3851.0	3876.1	3881.5
7.5°	3728.9	3723.5	3748.6	3777.4	3816.9	3870.7	3922.8	3976.6	4019.7	4034.1
10°	3737.9	3739.7	3773.8	3827.6	3890.5	3965.9	4039.5	4131.0	4192.1	4206.4
12.5°	3779.2	3775.6	3833.0	3919.2	4005.4	4100.5	4186.7	4287.2	4353.7	4387.8
15°	3854.6	3847.4	3928.2	4055.6	4181.3	4292.6	4362.6	4457.8	4535.0	4578.1
17.5°	3944.3	3947.9	4053.8	4219.0	4384.2	4509.9	4576.3	4624.8	4684.0	4721.7
20°	4102.3	4109.5	4228.0	4423.7	4612.2	4755.8	4809.7	4791.7	4807.9	4836.6
22.5°	4314.2	4317.8	4450.6	4662.5	4859.9	5017.9	5053.8	4980.2	4935.3	4955.1
25°	4560.1	4583.5	4716.3	4933.5	5136.4	5287.2	5303.4	5192.1	5080.8	5086.1
27.5°	4859.9	4881.5	5016.1	5231.6	5438.0	5569.1	5567.3	5418.3	5254.9	5213.6
30°	5184.9	5208.2	5346.5	5569.1	5761.2	5876.1	5851.0	5673.2	5439.8	5362.6
32.5°	5570.9	5585.2	5725.3	5947.9	6125.6	6217.2	6165.1	5946.1	5655.3	5567.3
35°	6037.7	6059.2	6163.3	6373.4	6529.6	6605.0	6517.0	6258.5	5931.7	5833.0
37.5°	6570.9	6556.5	6675.0	6861.7	6991.0	7037.7	6917.4	6610.4	6247.7	6131.0
40°	7127.4	7120.2	7249.5	7429.0	7499.1	7527.8	7350.1	7014.3	6612.2	6486.5
42.5°	7631.9	7626.5	7800.7	8000.0	8084.3	8052.0	7827.6	7443.4	7034.1	6890.4
45°	8035.9	8028.7	8242.3	8522.4	8687.6	8633.7	8332.1	7917.4	7461.4	7312.3
47.5°	8346.5	8350.0	8579.8	8926.3	9215.4	9235.1	8847.3	8400.3	7931.7	7763.0
50°	8570.9	8581.6	8827.6	9211.8	9606.8	9780.9	9373.4	8895.8	8418.3	8228.0
52.5°	8626.5	8646.3	8942.5	9393.1	9858.1	10190.3	9908.4	9371.6	8879.7	8698.3
55°	8330.3	8369.8	8745.0	9378.8	10012.5	10459.5	10378.8	9854.5	9344.7	9157.9
57.5°	7649.9	7705.5	8143.6	8971.2	9978.4	10644.5	10743.2	10317.7	9809.6	9630.1
60°	6696.6	6763.0	7183.1	8086.1	9497.3	10712.7	10999.9	10768.3	10236.9	10062.8
62.5°	5258.5	5344.7	5847.4	6906.6	8481.1	10394.9	11219.0	11175.9	10621.1	10403.9
65°	3373.4	3465.0	3994.6	5245.9	7125.6	9421.9	11287.2	11572.6	11026.9	10723.5
67.5°	2034.1	2075.4	2337.5	3179.5	5208.2	7955.1	10709.1	12012.5	11500.8	11123.8
70°	1301.6	1324.9	1481.1	1867.1	2944.3	5804.3	9276.4	12095.1	12075.3	11534.9
72.5°	883.3	890.5	931.8	1105.9	1666.1	3298.0	6842.0	10949.7	12434.4	12064.6
75°	646.3	685.8	752.2	782.8	946.1	1648.1	3921.0	7693.0	10479.3	10640.9
77.5°	481.1	482.9	574.5	610.4	675.0	877.9	1658.9	4294.4	6506.2	6831.2
80°	407.5	386.0	384.2	491.9	508.1	547.6	741.5	1482.9	2330.3	1412.9
82.5°	339.3	316.0	285.5	384.2	346.5	335.7	321.4	603.2	741.5	364.5
85°	237.0	226.2	215.4	251.3	197.5	168.8	154.4	281.9	312.4	154.4
87.5°	102.3	105.9	107.7	111.3	82.6	59.2	59.2	79.0	79.0	61.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3766.6
3789.9
3881.5
4037.7
4220.8
4402.1
4594.2
4739.7
4858.1
4969.5
5095.1
5226.2
5371.6
5588.8
5847.4
6152.6
6527.8
6926.4
7346.5
7813.2
8285.4
8745.0
9210.0
9671.4
10100.5
10429.0
10761.2
11152.5
11531.4
<i>12007.1</i>
10249.5
6093.3
1068.2
310.6
136.4
44.9
0.0

OF REPORT)