

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: P948824

Luminaire Tested: **GALN-SB3D-735-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948824
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-SB3D-735-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 31440 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

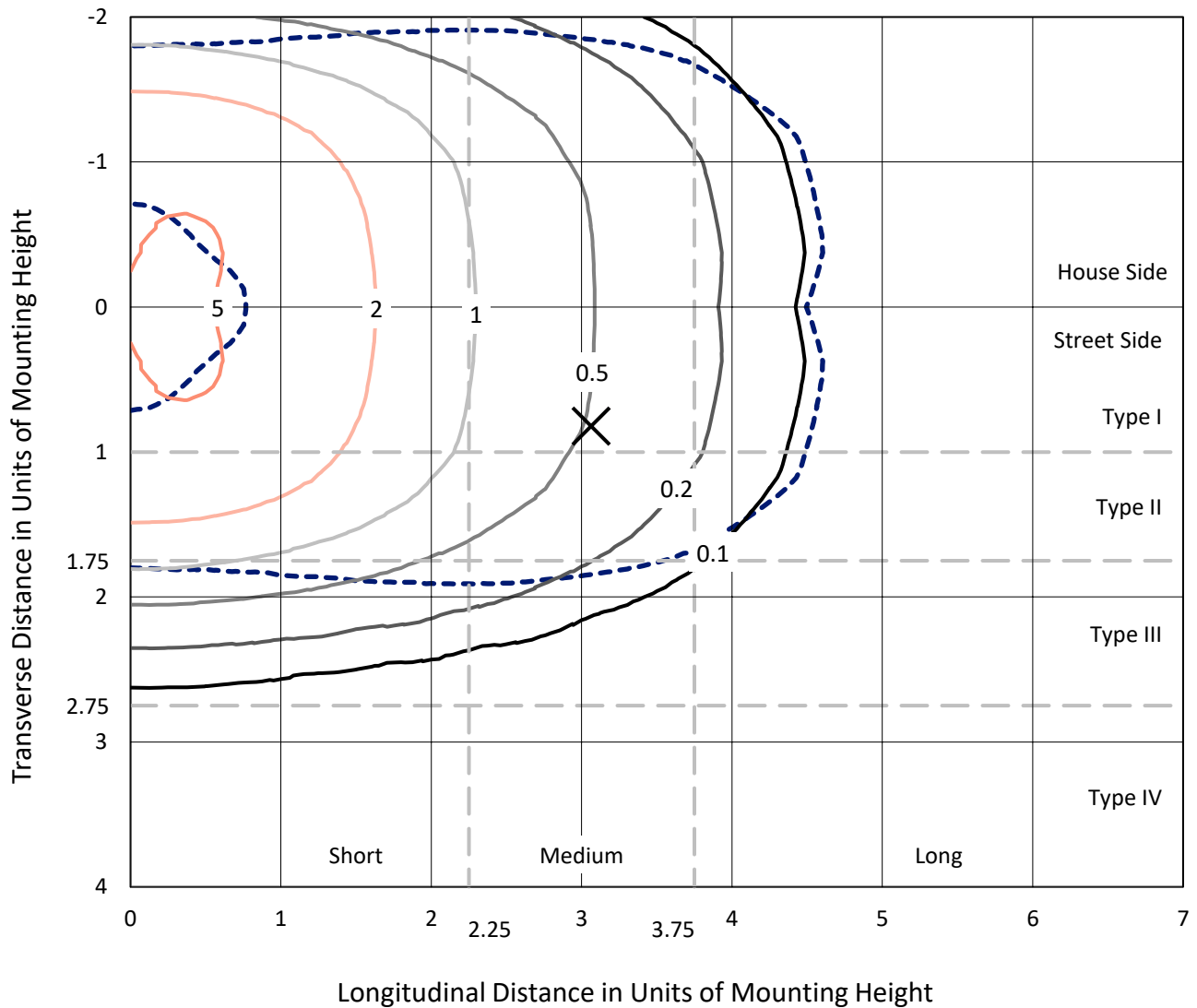
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

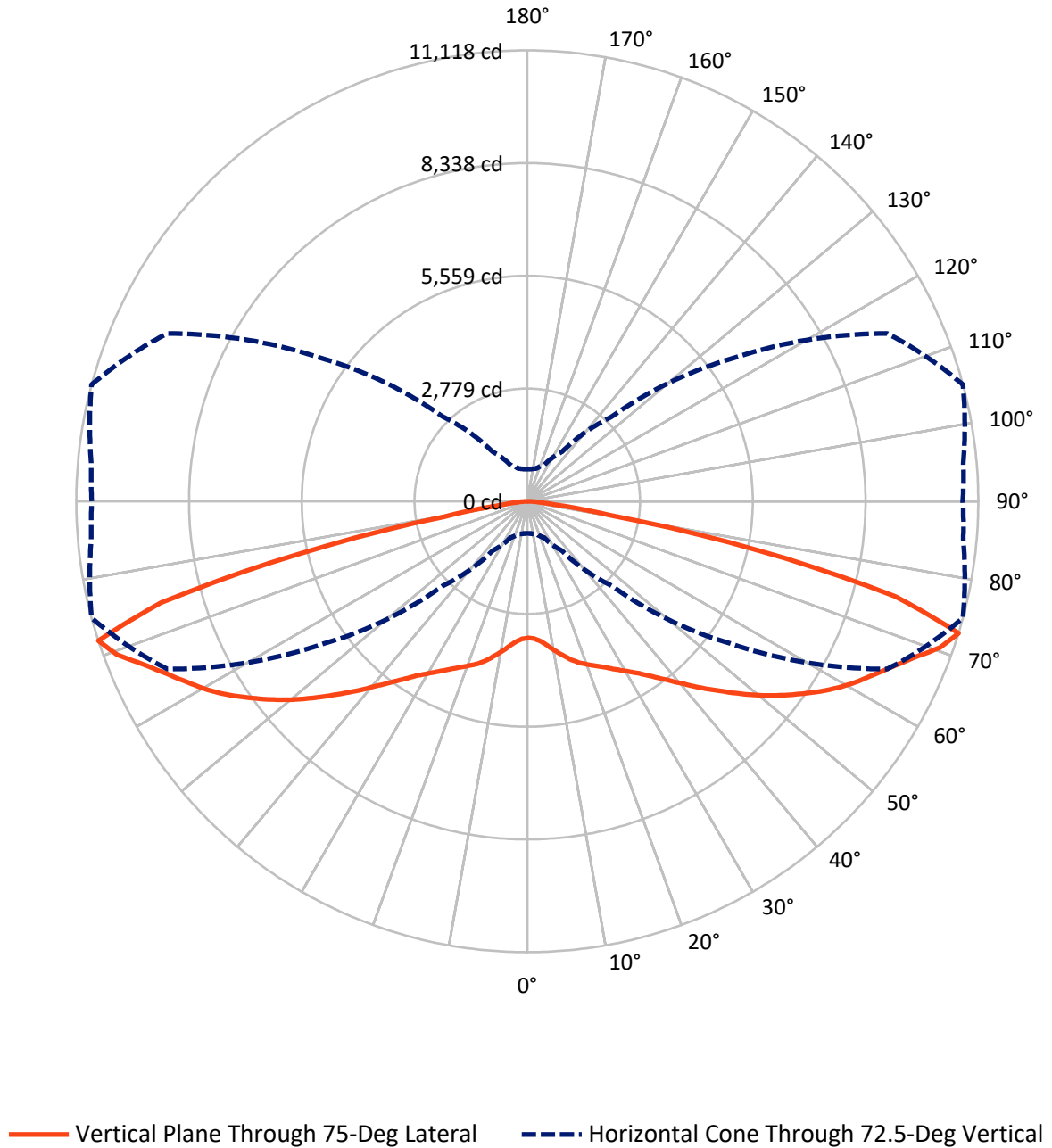
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15720.0	0.0	15720.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15720.0	0.0	15720.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31440.0	0.0	31440.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.9	1.0
10°-20°	1088.1	3.5
20°-30°	2102.5	6.7
30°-40°	3550.2	11.3
40°-50°	5630.2	17.9
50°-60°	7538.2	24.0
60°-70°	7174.0	22.8
70°-80°	3743.5	11.9
80°-90°	283.4	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°	31440.0	100.0
0°-180°	31440.0	100.0

Coefficient of Utilization



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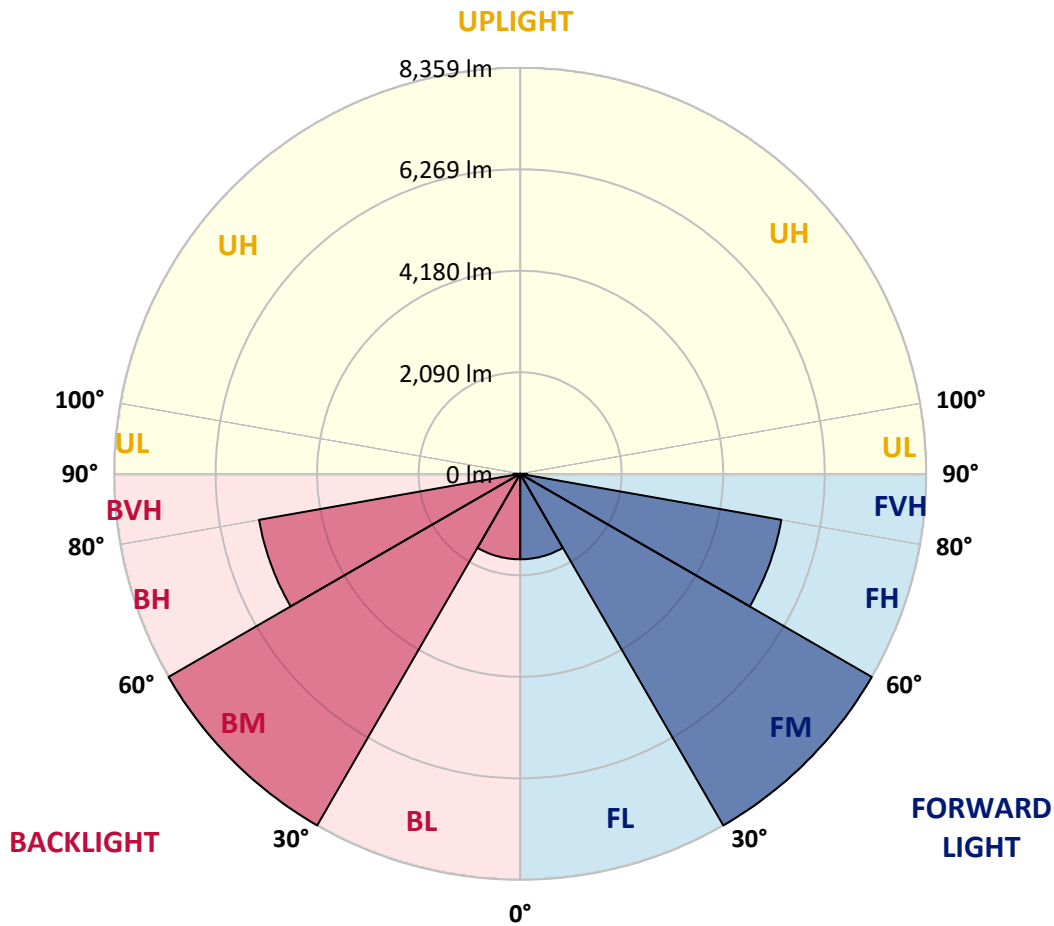
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1760.3	5.6			
FM (30°-60°)	8359.3	26.6			
FH (60°-80°)	5458.7	17.4			G3/7500
FVH (80°-90°)	141.7	0.5			G2/225
BL (0°-30°)	1760.3	5.6	B3/2500		
BM (30°-60°)	8359.3	26.6	B4/8500		
BH (60°-80°)	5458.7	17.4	B5		G5
BVH (80°-90°)	141.7	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3367.8	3367.8	3367.8	3367.8	3367.8	3367.8	3367.8	3367.8	3367.8	3367.8
2.5°	3367.8	3364.6	3367.8	3371.0	3369.4	3369.4	3377.4	3382.2	3391.9	3390.3
5°	3345.3	3343.7	3356.6	3371.0	3382.2	3401.5	3425.6	3443.2	3465.7	3470.5
7.5°	3334.1	3329.3	3351.7	3377.4	3412.7	3460.9	3507.4	3555.6	3594.1	3607.0
10°	3342.1	3343.7	3374.2	3422.4	3478.5	3546.0	3611.8	3693.6	3748.2	3761.1
12.5°	3379.0	3375.8	3427.2	3504.2	3581.3	3666.4	3743.4	3833.3	3892.7	3923.2
15°	3446.4	3440.0	3512.3	3626.2	3738.6	3838.1	3900.7	3985.8	4054.8	4093.4
17.5°	3526.7	3529.9	3624.6	3772.3	3920.0	4032.4	4091.7	4135.1	4188.1	4221.8
20°	3668.0	3674.4	3780.3	3955.3	4123.9	4252.3	4300.4	4284.4	4298.8	4324.5
22.5°	3857.4	3860.6	3979.4	4168.8	4345.4	4486.6	4518.7	4452.9	4412.8	4430.5
25°	4077.3	4098.2	4217.0	4411.2	4592.6	4727.4	4741.9	4642.3	4542.8	4547.6
27.5°	4345.4	4364.6	4485.0	4677.7	4862.3	4979.4	4977.8	4844.6	4698.5	4661.6
30°	4635.9	4656.8	4780.4	4979.4	5151.2	5253.9	5231.5	5072.5	4863.9	4794.8
32.5°	4981.0	4993.9	5119.1	5318.1	5477.1	5558.9	5512.4	5316.5	5056.5	4977.8
35°	5398.4	5417.7	5510.8	5698.6	5838.2	5905.7	5827.0	5595.9	5303.7	5215.4
37.5°	5875.2	5862.3	5968.3	6135.2	6250.8	6292.5	6185.0	5910.5	5586.2	5481.9
40°	6372.8	6366.4	6481.9	6642.5	6705.1	6730.8	6571.8	6271.7	5912.1	5799.7
42.5°	6823.9	6819.0	6974.8	7152.9	7228.4	7199.5	6998.8	6655.3	6289.3	6160.9
45°	7185.0	7178.6	7369.6	7620.1	7767.7	7719.6	7449.9	7079.1	6671.4	6538.1
47.5°	7462.7	7466.0	7671.4	7981.2	8239.7	8257.3	7910.6	7510.9	7091.9	6941.0
50°	7663.4	7673.0	7892.9	8236.5	8589.6	8745.3	8380.9	7953.9	7527.0	7356.8
52.5°	7713.2	7730.8	7995.7	8398.6	8814.4	9111.3	8859.3	8379.3	7939.5	7777.4
55°	7448.3	7483.6	7819.1	8385.8	8952.4	9352.1	9279.9	8811.1	8355.3	8188.3
57.5°	6839.9	6889.7	7281.4	8021.4	8921.9	9517.4	9605.7	9225.3	8771.0	8610.5
60°	5987.5	6046.9	6422.6	7230.0	8491.7	9578.4	9835.3	9628.2	9153.1	8997.4
62.5°	4701.7	4778.8	5228.3	6175.3	7583.1	9294.3	10031.1	9992.6	9496.6	9302.3
65°	3016.2	3098.1	3571.7	4690.5	6371.2	8424.3	10092.1	10347.4	9859.4	9588.1
67.5°	1818.7	1855.7	2090.0	2842.9	4656.8	7112.8	9575.2	10740.6	10283.1	9946.0
70°	1163.8	1184.7	1324.3	1669.4	2632.6	5189.7	8294.3	10814.5	10796.8	10313.6
72.5°	789.8	796.2	833.1	988.8	1489.7	2948.8	6117.6	9790.3	11117.9	10787.2
75°	577.9	613.2	672.6	699.9	846.0	1473.6	3505.8	6878.4	9369.8	9514.2
77.5°	430.2	431.8	513.7	545.8	603.6	785.0	1483.2	3839.7	5817.4	6107.9
80°	364.4	345.1	343.5	439.8	454.3	489.6	663.0	1325.9	2083.6	1263.3
82.5°	303.4	282.5	255.2	343.5	309.8	300.2	287.3	539.4	663.0	325.9
85°	211.9	202.3	192.6	224.7	176.6	150.9	138.1	252.0	279.3	138.1
87.5°	91.5	94.7	96.3	99.5	73.8	53.0	53.0	70.6	70.6	54.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3367.8
3388.7
3470.5
3610.2
3773.9
3936.0
4107.8
4237.8
4343.8
4443.3
4555.7
4672.8
4802.9
4997.1
5228.3
5501.1
5836.6
6193.0
6568.6
6986.0
7408.2
7819.1
8234.9
8647.4
9031.1
9324.8
9621.8
9971.7
10310.4
10735.8
9164.3
5448.2
955.1
277.7
122.0
40.1
0.0

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