

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: P940613

Luminaire Tested: **GALN-SB3D-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
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-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30204 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

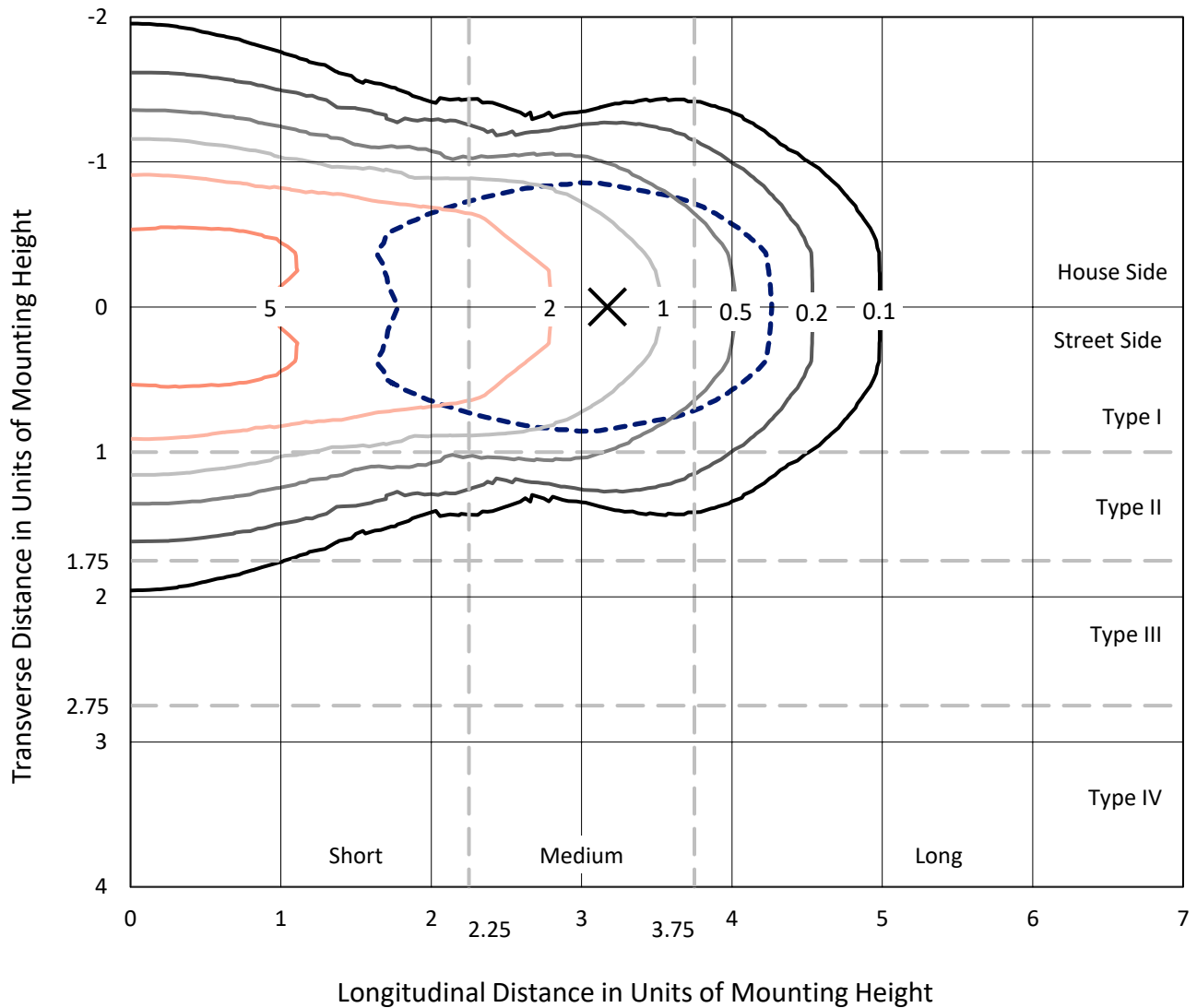
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

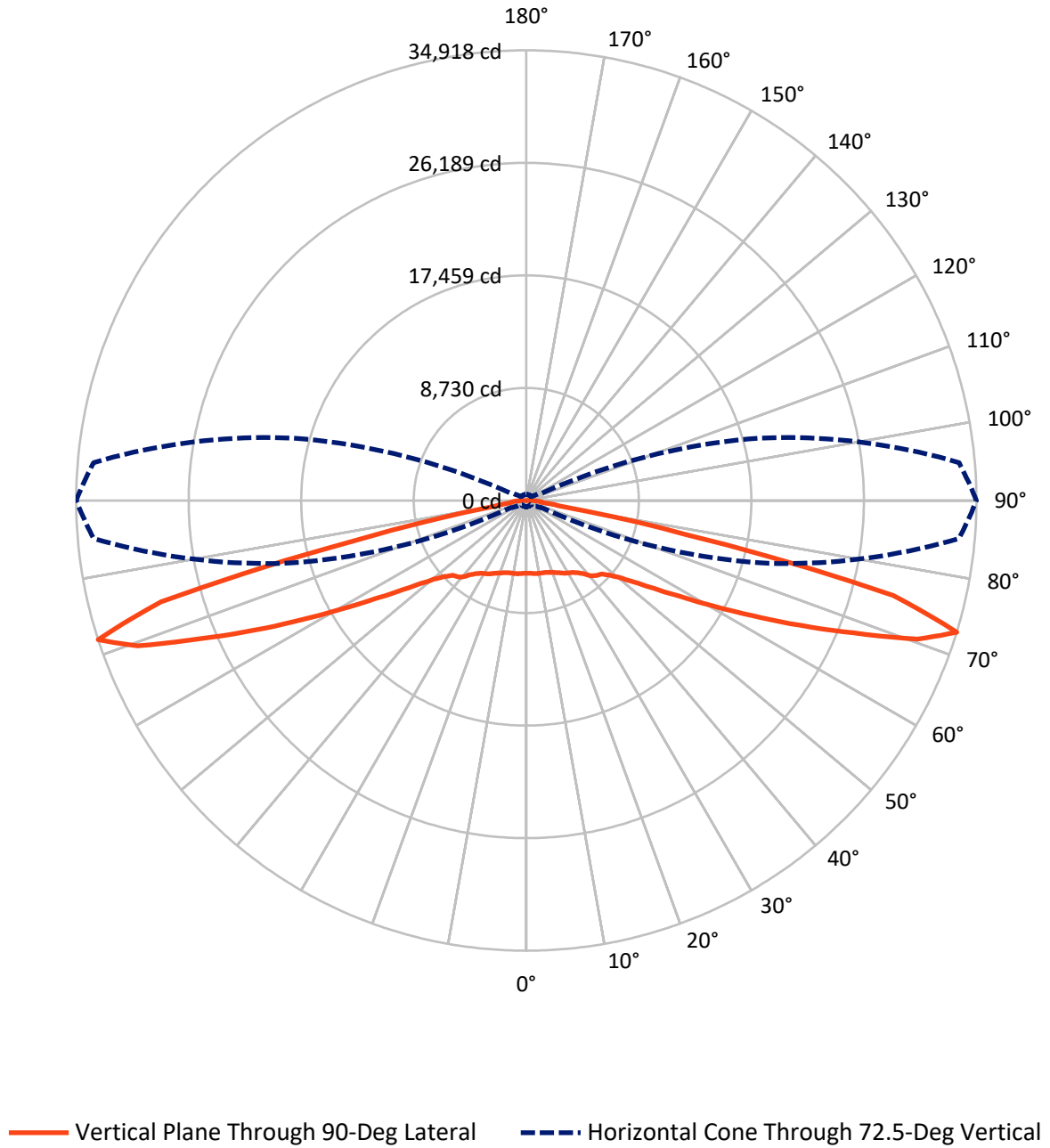
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15102.0	0.0	15102.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15102.0	0.0	15102.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30204.0	0.0	30204.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.2	1.8
10°-20°	1673.3	5.5
20°-30°	2790.0	9.2
30°-40°	3837.1	12.7
40°-50°	4686.2	15.5
50°-60°	5420.1	17.9
60°-70°	6462.6	21.4
70°-80°	4510.4	14.9
80°-90°	277.0	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°	30204.0	100.0
0°-180°	30204.0	100.0



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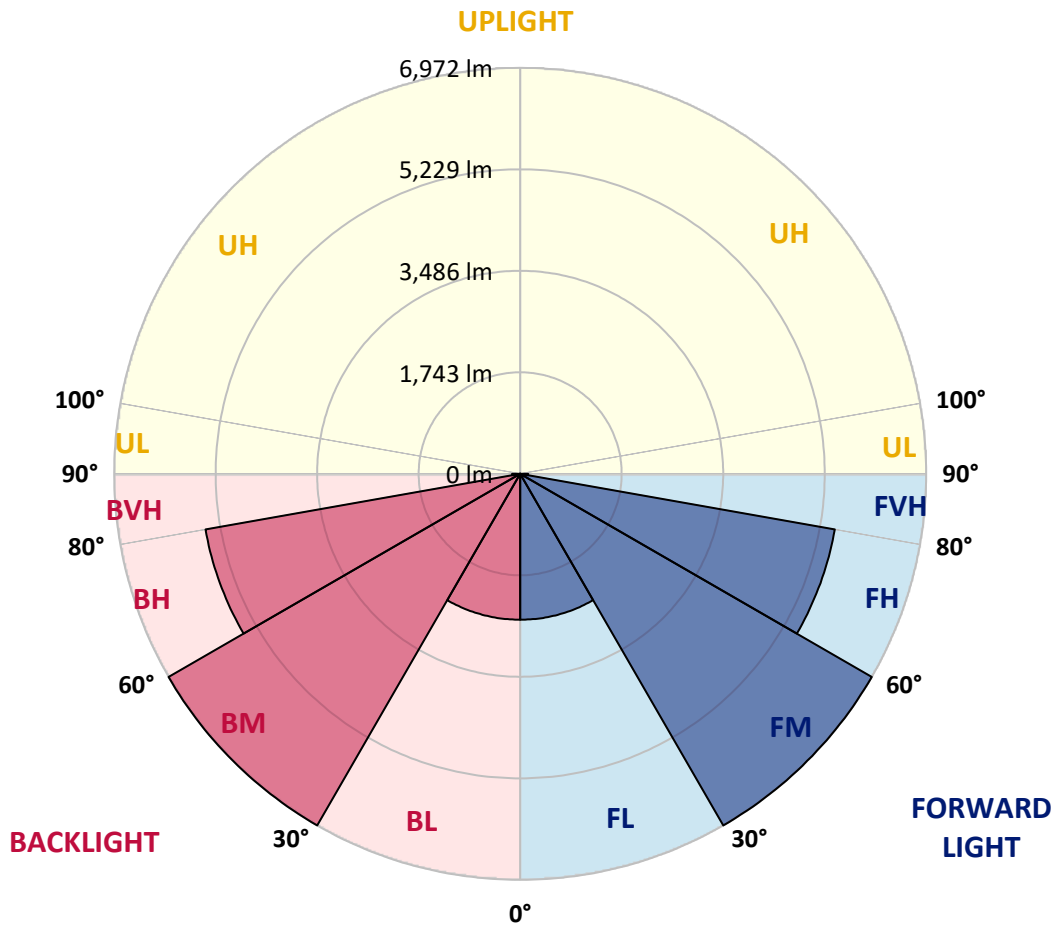
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2505.3	8.3			
FM (30°-60°)	6971.7	23.1			
FH (60°-80°)	5486.5	18.2			G3/7500
FVH (80°-90°)	138.5	0.5			G2/225
BL (0°-30°)	2505.3	8.3	B4/5000		
BM (30°-60°)	6971.7	23.1	B4/8500		
BH (60°-80°)	5486.5	18.2	B5		G5
BVH (80°-90°)	138.5	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5643.9	5643.9	5643.9	5643.9	5643.9	5643.9	5643.9	5643.9	5643.9	5643.9
2.5°	5648.8	5655.2	5655.2	5650.4	5661.6	5652.0	5652.0	5647.1	5652.0	5647.1
5°	5677.6	5685.7	5688.9	5687.3	5701.7	5693.7	5693.7	5687.3	5688.9	5684.1
7.5°	5732.2	5743.5	5749.9	5757.9	5778.8	5769.1	5762.7	5743.5	5735.4	5722.6
10°	5749.9	5762.7	5783.6	5825.3	5873.5	5875.1	5855.8	5807.7	5770.7	5741.9
12.5°	5695.3	5713.0	5756.3	5841.4	5948.9	5992.3	5961.8	5881.5	5809.3	5757.9
15°	5626.3	5645.5	5711.4	5839.8	5998.7	6099.8	6096.6	5990.7	5875.1	5794.8
17.5°	5518.7	5538.0	5632.7	5812.5	6037.2	6204.2	6249.1	6139.9	5977.8	5870.3
20°	5324.5	5342.2	5473.8	5725.8	6050.1	6314.9	6432.1	6335.8	6133.5	5987.5
22.5°	5072.5	5099.8	5253.9	5576.5	6019.6	6430.5	6640.8	6575.0	6314.9	6112.7
25°	4802.8	4831.7	5011.5	5393.5	5940.9	6514.0	6888.0	6846.2	6520.4	6268.4
27.5°	4570.0	4600.5	4796.4	5212.1	5818.9	6546.1	7132.0	7152.8	6769.2	6440.1
30°	4387.1	4415.9	4624.6	5066.1	5661.6	6514.0	7345.5	7489.9	7022.8	6589.4
32.5°	4186.4	4223.3	4443.2	4887.9	5475.4	6436.9	7531.7	7854.3	7316.6	6749.9
35°	3932.8	3966.5	4197.6	4643.9	5231.4	6313.3	7687.4	8258.8	7737.1	6993.9
37.5°	3624.6	3656.7	3886.2	4338.9	4989.0	6139.9	7806.2	8714.7	8238.0	7345.5
40°	3314.8	3345.3	3560.4	3998.6	4698.5	5918.4	7847.9	9161.0	8812.6	7828.6
42.5°	3030.6	3057.9	3255.4	3663.1	4372.6	5635.9	7793.3	9549.4	9327.9	8165.7
45°	2769.0	2793.1	2968.0	3348.5	4033.9	5292.4	7629.6	9966.8	9941.1	8406.5
47.5°	2470.4	2494.5	2675.9	3043.5	3695.2	4889.5	7351.9	10377.7	10793.5	8952.3
50°	2106.0	2126.9	2313.1	2691.9	3343.7	4460.9	6966.6	10700.4	11869.0	9779.0
52.5°	1674.2	1696.7	1878.1	2256.9	2926.3	4000.2	6459.4	10910.6	13111.4	10986.1
55°	1245.6	1261.7	1419.0	1759.3	2409.4	3475.3	5823.7	10970.0	14520.8	12636.3
57.5°	903.7	913.4	1014.5	1268.1	1826.7	2818.8	5051.6	10815.9	16198.2	14751.9
60°	732.0	735.2	765.7	878.1	1269.7	2077.1	4119.0	10286.2	18018.5	17479.2
62.5°	664.6	664.6	672.6	703.1	858.8	1370.9	2990.5	9188.3	19970.5	20925.6
65°	618.0	618.0	621.2	635.7	677.4	873.2	1887.7	7400.0	21615.8	24962.7
67.5°	576.3	577.9	576.3	581.1	605.2	645.3	1094.8	5111.0	22501.9	29145.9
70°	532.9	536.1	528.1	528.1	547.4	549.0	685.4	2802.7	21766.7	32651.7
72.5°	481.6	486.4	473.5	470.3	484.8	478.4	515.3	1345.2	18687.9	33698.3
75°	436.6	443.0	414.1	406.1	406.1	401.3	419.0	690.2	12129.0	27489.3
77.5°	396.5	409.3	362.8	337.1	330.7	316.2	341.9	422.2	5305.2	12905.9
80°	327.5	345.1	298.6	268.1	256.8	240.8	269.7	295.4	1577.9	2996.9
82.5°	244.0	252.0	211.9	191.0	181.4	170.2	202.3	205.5	513.7	1061.0
85°	155.7	158.9	130.0	112.4	107.5	102.7	128.4	112.4	195.8	780.1
87.5°	54.6	62.6	49.8	44.9	48.2	40.1	59.4	33.7	54.6	550.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5643.9
5647.1
5684.1
5722.6
5737.0
5749.9
5782.0
5852.6
5960.2
6075.7
6217.0
6385.5
6510.8
6650.4
6883.2
7197.8
7671.3
7963.5
8133.6
8637.7
9384.1
10499.7
12027.9
13986.2
16514.5
19633.4
23328.6
27381.8
32187.8
34918.2
29402.7
12637.9
2870.1
1199.1
1133.3
682.2
0.0

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