

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: P948842

Luminaire Tested: **GALN-SB3D-740-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948842
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-SB3D-740-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33849 lumens
Efficiency: N/A
Efficacy: 155.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

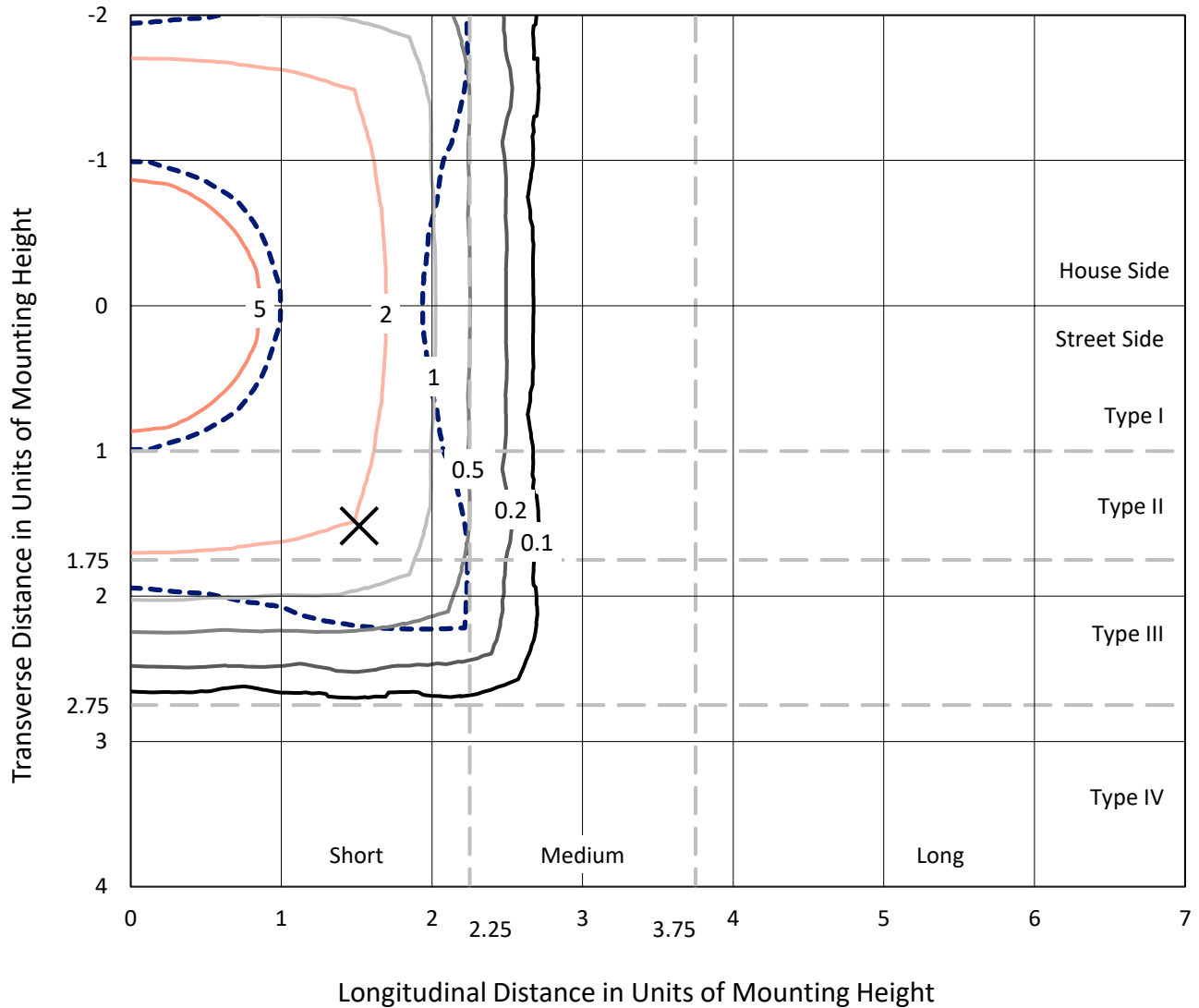
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

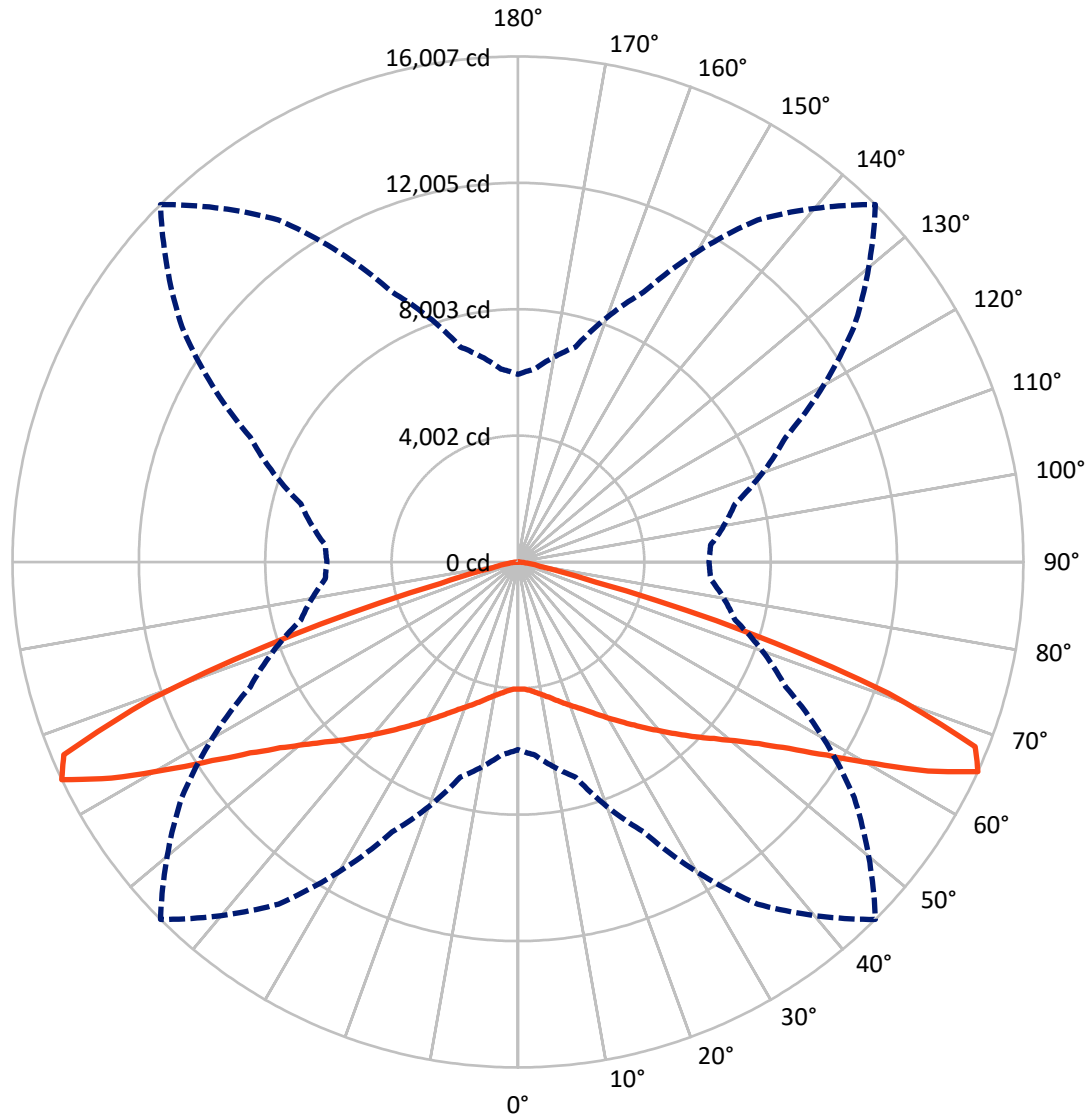
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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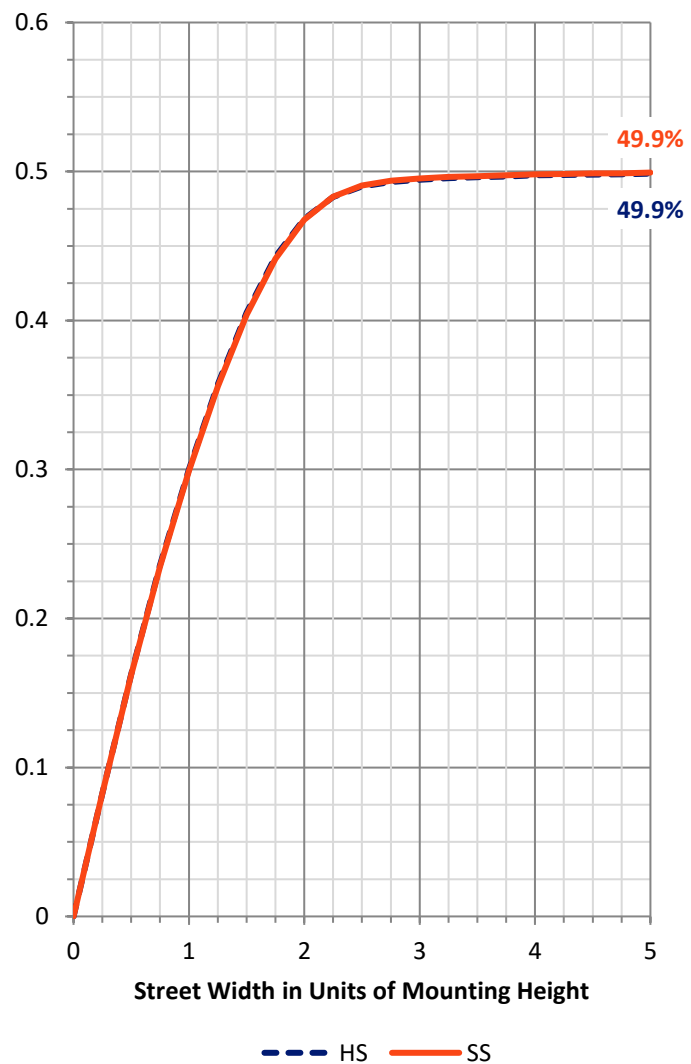
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16924.5	0.0	16924.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16924.5	0.0	16924.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33849.0	0.0	33849.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.6	1.2
10°-20°	1297.3	3.8
20°-30°	2449.4	7.2
30°-40°	4010.8	11.8
40°-50°	6218.8	18.4
50°-60°	9186.5	27.1
60°-70°	8744.6	25.8
70°-80°	1411.1	4.2
80°-90°	133.0	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°	33849.0	100.0
0°-180°	33849.0	100.0

Coefficient of Utilization



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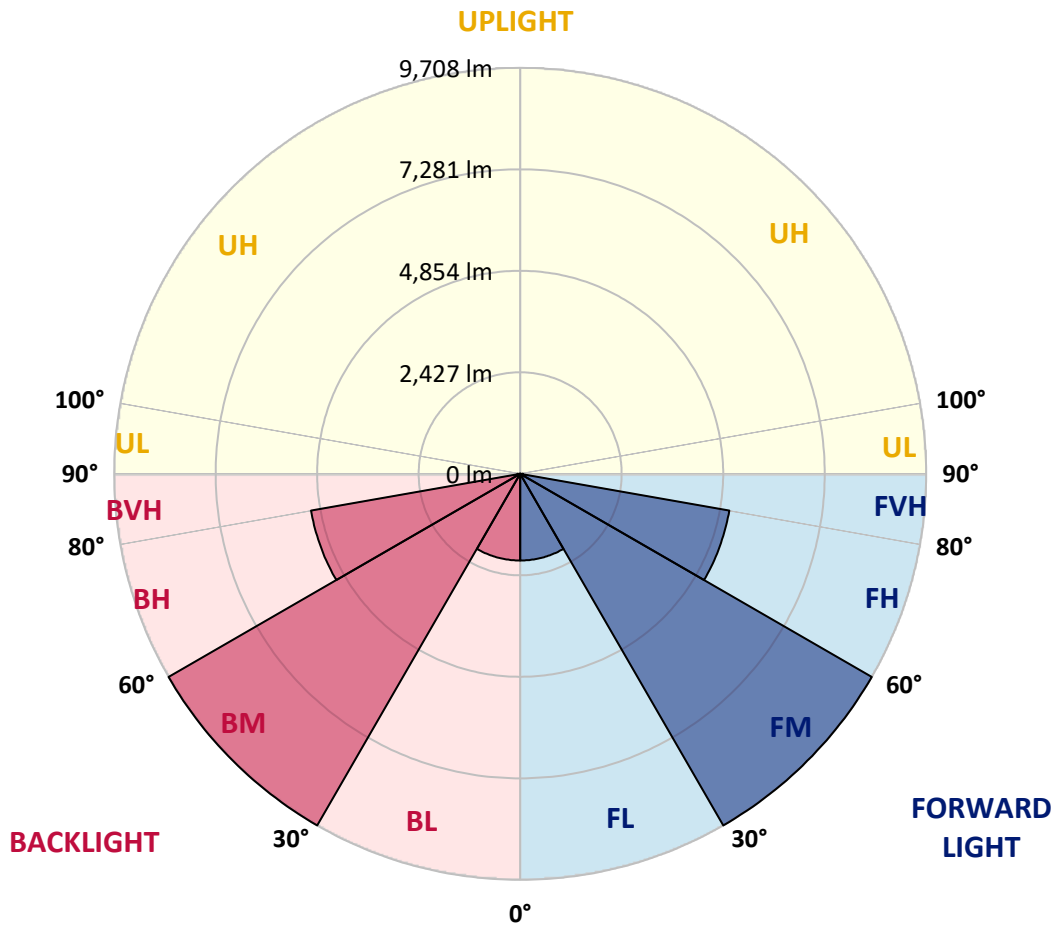
CATALOG NUMBER: GALN-SB3D-740-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2072.1	6.1			
FM (30°-60°)	9708.0	28.7			
FH (60°-80°)	5077.8	15.0			G3/7500
FVH (80°-90°)	66.5	0.2			G1/100
BL (0°-30°)	2072.1	6.1	B3/2500		
BM (30°-60°)	9708.0	28.7	B5		
BH (60°-80°)	5077.8	15.0	B5		G3/7500
BVH (80°-90°)	66.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4028.4	4028.4	4028.4	4028.4	4028.4	4028.4	4028.4	4028.4	4028.4	4028.4
2.5°	4055.5	4042.0	4052.1	4043.7	4036.9	4030.1	4033.5	4045.4	4050.4	4052.1
5°	4109.9	4098.0	4103.1	4103.1	4091.2	4087.8	4089.5	4098.0	4108.2	4108.2
7.5°	4198.2	4186.3	4198.2	4191.4	4181.2	4177.8	4176.1	4182.9	4198.2	4198.2
10°	4305.2	4291.6	4298.4	4295.0	4283.1	4278.0	4276.3	4286.5	4300.1	4298.4
12.5°	4422.4	4407.1	4415.6	4405.4	4402.0	4396.9	4396.9	4395.2	4403.7	4396.9
15°	4553.1	4543.0	4546.4	4539.6	4544.7	4541.3	4527.7	4520.9	4524.3	4514.1
17.5°	4707.7	4683.9	4695.8	4692.4	4692.4	4699.2	4677.1	4668.6	4675.4	4665.2
20°	4886.0	4862.2	4867.3	4860.5	4852.0	4858.8	4831.7	4838.5	4843.6	4836.8
22.5°	5081.3	5050.7	5049.0	5052.4	5033.8	5035.5	5016.8	5033.8	5044.0	5025.3
25°	5281.7	5249.4	5271.5	5263.0	5239.3	5244.4	5230.8	5247.7	5256.2	5232.5
27.5°	5494.0	5471.9	5492.3	5497.4	5468.5	5488.9	5468.5	5483.8	5492.3	5456.6
30°	5742.0	5719.9	5738.6	5752.1	5718.2	5750.4	5733.5	5743.7	5745.4	5702.9
32.5°	6012.0	5978.0	6025.6	6032.4	5995.0	6034.1	6012.0	6025.6	6034.1	5976.3
35°	6341.5	6299.0	6353.3	6344.9	6312.6	6344.9	6324.5	6344.9	6365.2	6295.6
37.5°	6696.4	6652.2	6710.0	6694.7	6664.1	6686.2	6674.3	6687.9	6720.2	6645.5
40°	7087.0	7032.7	7110.8	7083.6	7054.7	7051.3	7058.1	7066.6	7109.1	7025.9
42.5°	7504.8	7447.0	7564.2	7521.8	7481.0	7453.8	7475.9	7492.9	7533.7	7440.3
45°	7982.0	7915.8	8068.6	8017.7	7953.1	7897.1	7932.8	7958.2	8017.7	7905.6
47.5°	8508.5	8433.8	8596.8	8581.5	8476.2	8353.9	8435.5	8508.5	8552.6	8416.8
50°	9023.1	8965.3	9179.3	9198.0	9068.9	8897.4	9011.2	9121.6	9133.5	8955.1
52.5°	9505.4	9447.6	9758.4	9875.6	9760.1	9556.3	9676.9	9789.0	9699.0	9468.0
55°	9890.9	9843.4	10239.1	10541.4	10580.4	10412.3	10483.6	10480.2	10184.7	9829.8
57.5°	9984.3	9977.5	10476.8	11117.1	11524.7	11545.0	11404.1	11044.1	10407.2	9930.0
60°	9559.7	9602.2	10288.3	11417.7	12504.6	12956.3	12346.6	11319.2	10154.1	9491.8
62.5°	8289.4	8401.5	9228.6	11050.8	13296.0	14579.9	13102.4	10901.4	9114.8	8250.3
65°	5940.7	6136.0	7049.6	9430.7	13224.7	16006.5	12993.7	9354.2	7117.6	6120.7
67.5°	2695.2	2893.9	3670.0	6456.9	11495.8	15619.3	11468.6	6524.9	3853.4	2904.1
70°	976.5	1010.5	1260.1	2584.8	7346.8	12445.1	7661.0	2603.5	1340.0	1076.7
72.5°	591.0	596.1	648.8	925.6	2552.5	7555.7	2661.2	956.1	662.3	587.6
75°	375.3	371.9	461.9	565.5	905.2	2549.1	949.4	565.5	460.2	419.5
77.5°	270.0	278.5	331.2	422.9	570.6	864.4	560.4	404.2	331.2	271.7
80°	202.1	207.2	241.2	329.5	400.8	538.4	356.6	298.9	249.7	169.8
82.5°	146.1	146.1	157.9	239.5	244.6	290.4	193.6	210.6	164.7	120.6
85°	86.6	84.9	98.5	142.7	127.4	107.0	88.3	129.1	103.6	74.7
87.5°	30.6	32.3	30.6	40.8	34.0	28.9	27.2	35.7	28.9	25.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4028.4
4052.1
4108.2
4193.1
4295.0
4400.3
4515.8
4673.7
4852.0
5044.0
5259.6
5483.8
5728.4
6015.4
6338.1
6691.3
7053.0
7489.5
7963.3
8462.6
8977.2
9474.8
9841.7
9899.4
9413.7
8199.4
6047.6
2861.6
1063.1
597.8
422.9
276.8
174.9
120.6
73.0
23.8
0.0

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