

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: P953840

Luminaire Tested: **GALN-SB7B-740-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953840
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-SB7B-740-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44397 lumens
Efficiency: N/A
Efficacy: 173.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

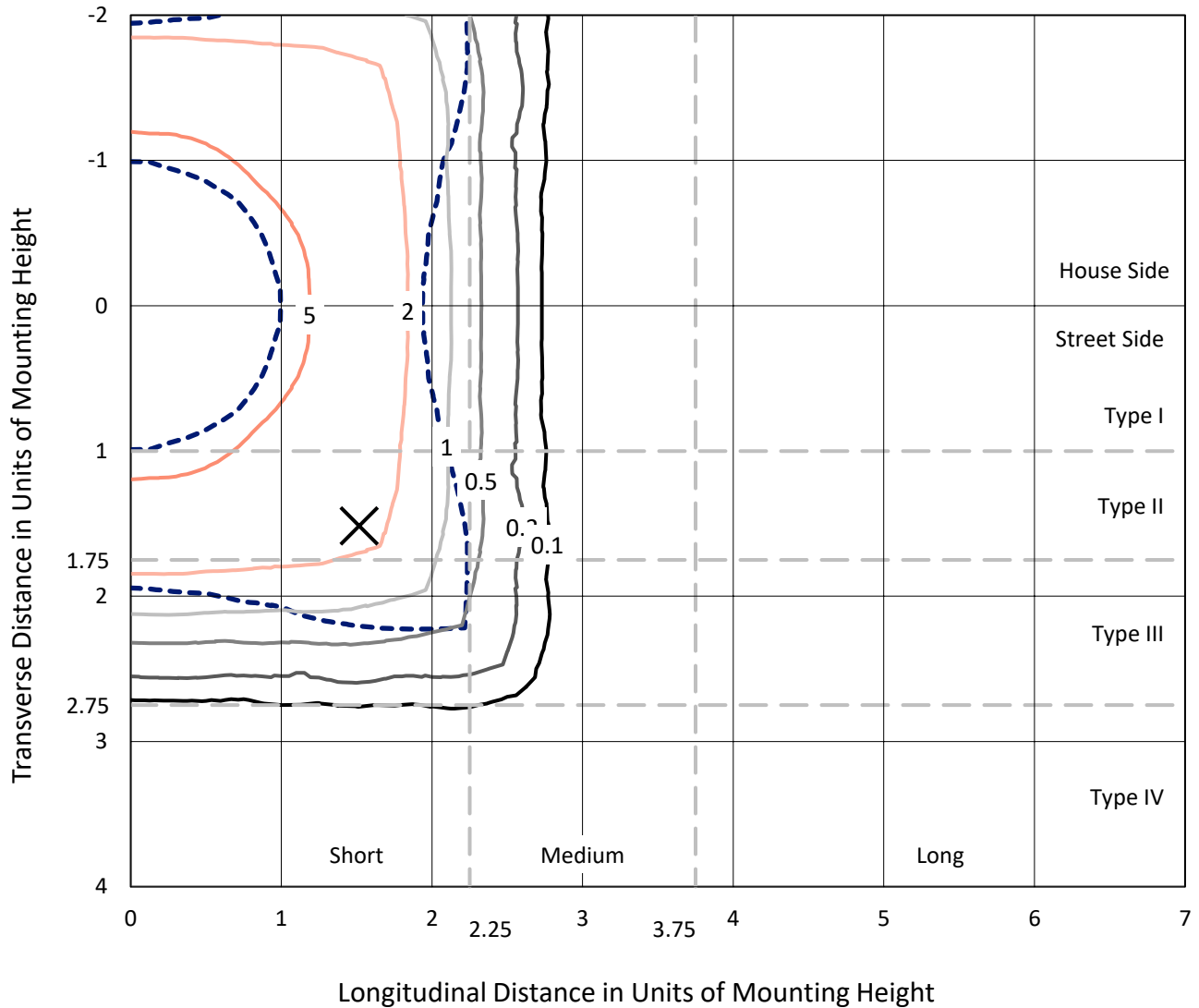
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

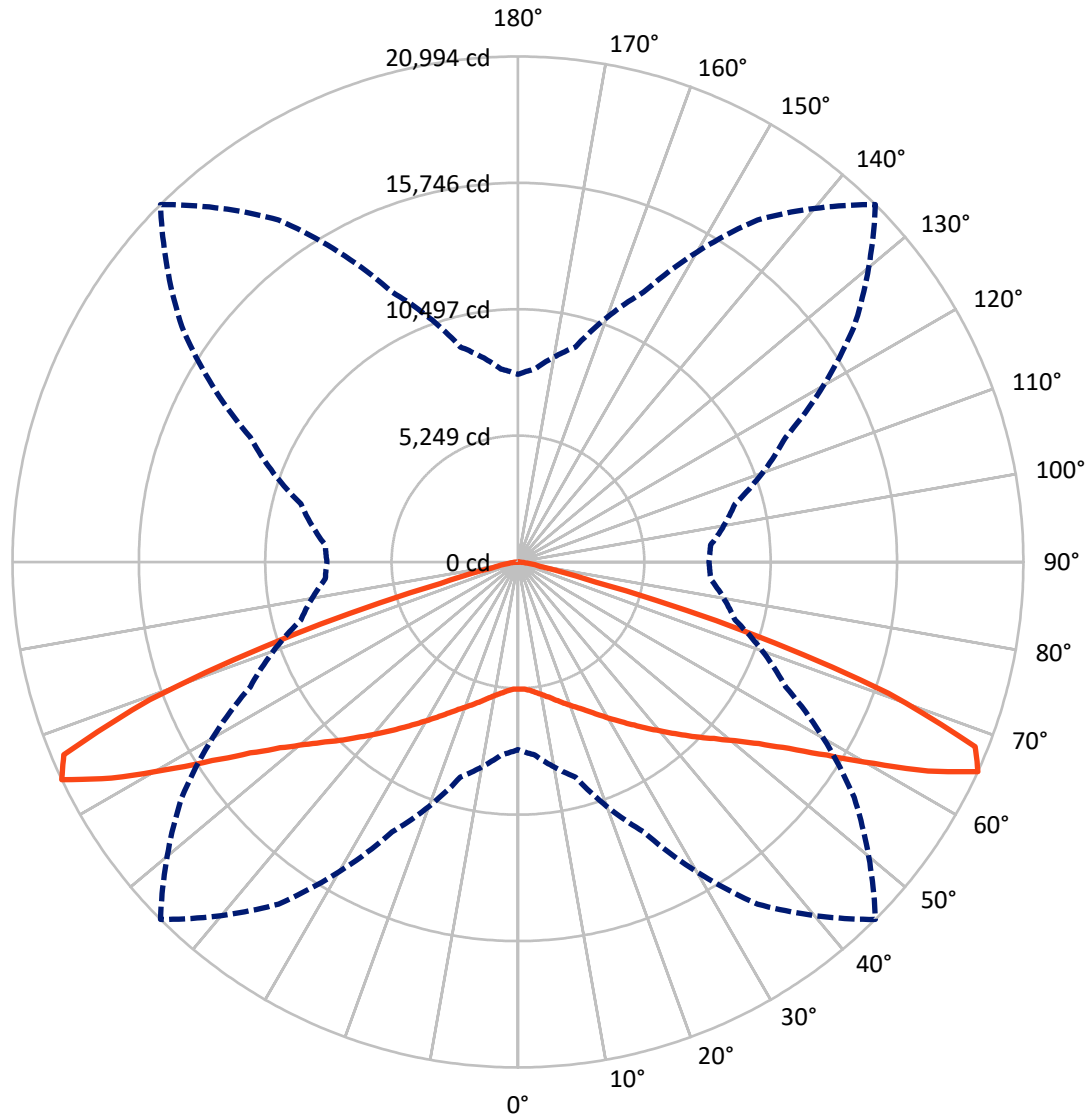
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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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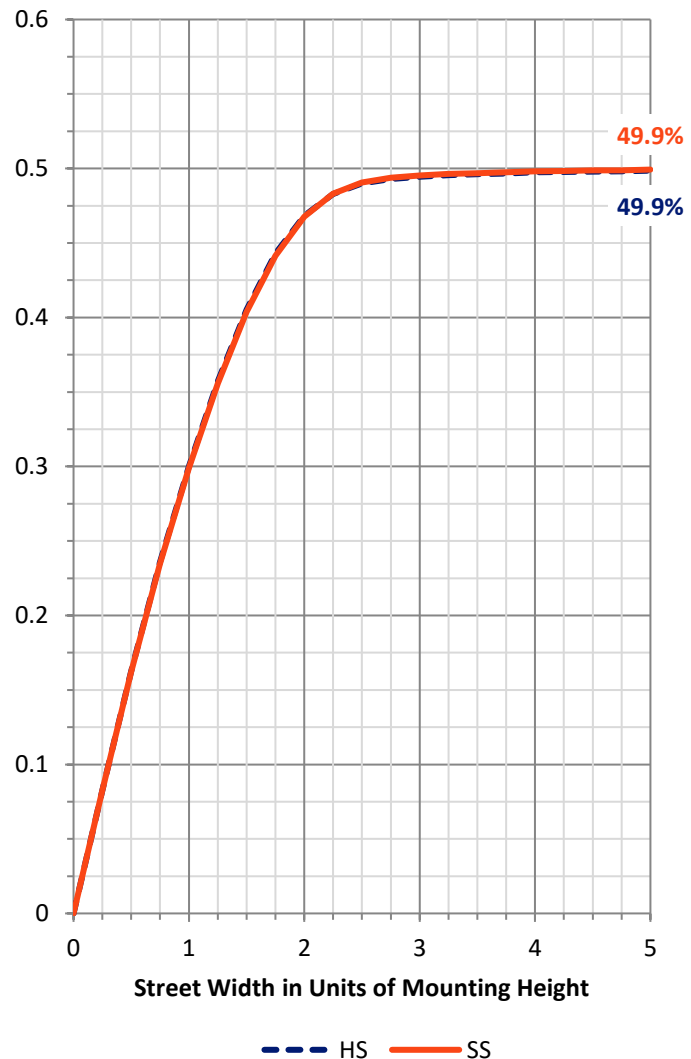
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22198.5	0.0	22198.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22198.5	0.0	22198.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44397.0	0.0	44397.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	521.4	1.2
10°-20°	1701.5	3.8
20°-30°	3212.7	7.2
30°-40°	5260.6	11.8
40°-50°	8156.7	18.4
50°-60°	12049.1	27.1
60°-70°	11469.6	25.8
70°-80°	1850.8	4.2
80°-90°	174.5	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°	44397.0	100.0
0°-180°	44397.0	100.0

Coefficient of Utilization



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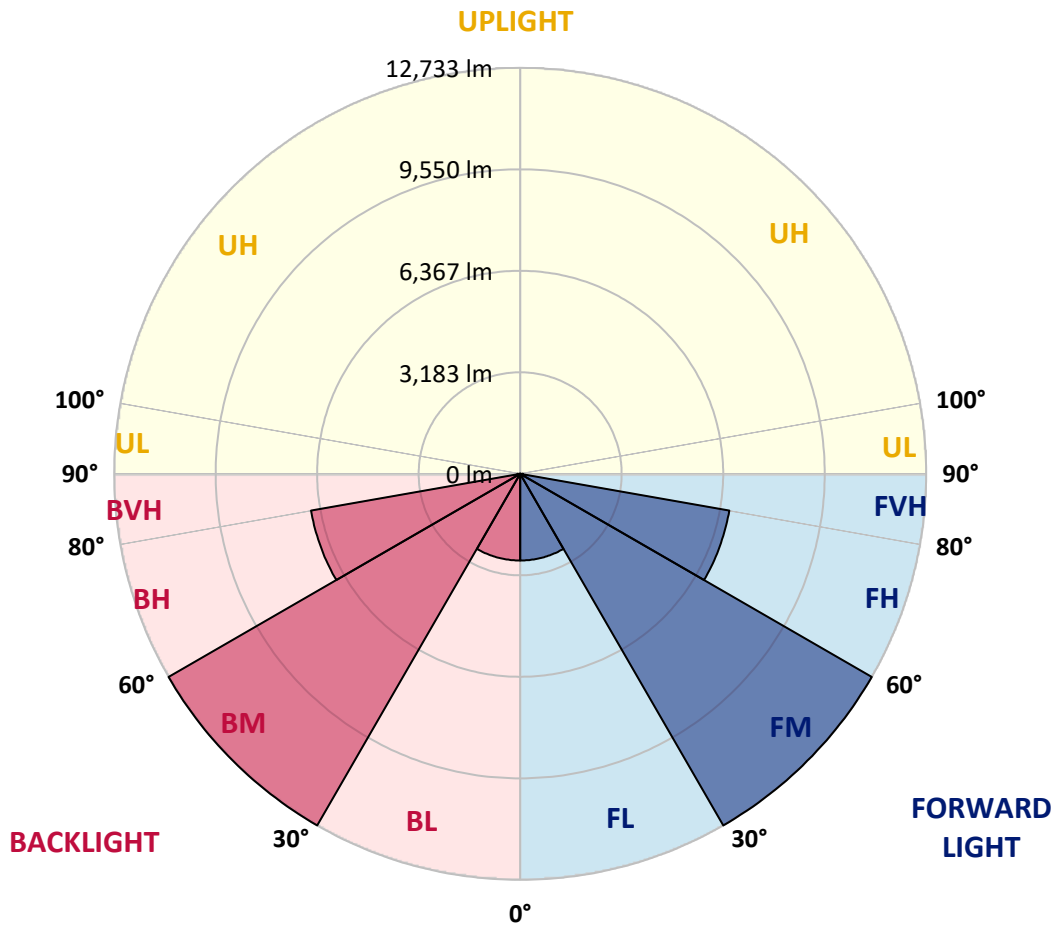
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2717.8	6.1			
FM (30°-60°)	12733.2	28.7			
FH (60°-80°)	6660.2	15.0			G3/7500
FVH (80°-90°)	87.2	0.2			G1/100
BL (0°-30°)	2717.8	6.1	B4/5000		
BM (30°-60°)	12733.2	28.7	B5		
BH (60°-80°)	6660.2	15.0	B5		G3/7500
BVH (80°-90°)	87.2	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°	5283.7	5283.7	5283.7	5283.7	5283.7	5283.7	5283.7	5283.7	5283.7	5283.7
2.5°	5319.3	5301.5	5314.9	5303.7	5294.8	5285.9	5290.4	5306.0	5312.6	5314.9
5°	5390.6	5375.0	5381.7	5381.7	5366.1	5361.7	5363.9	5375.0	5388.4	5388.4
7.5°	5506.4	5490.8	5506.4	5497.5	5484.2	5479.7	5477.5	5486.4	5506.4	5506.4
10°	5646.8	5629.0	5637.9	5633.4	5617.8	5611.1	5608.9	5622.3	5640.1	5637.9
12.5°	5800.5	5780.4	5791.6	5778.2	5773.7	5767.1	5767.1	5764.8	5776.0	5767.1
15°	5972.0	5958.6	5963.1	5954.2	5960.9	5956.4	5938.6	5929.7	5934.1	5920.8
17.5°	6174.7	6143.5	6159.1	6154.6	6154.6	6163.6	6134.6	6123.5	6132.4	6119.0
20°	6408.6	6377.4	6384.1	6375.2	6364.0	6372.9	6337.3	6346.2	6352.9	6344.0
22.5°	6664.8	6624.7	6622.4	6626.9	6602.4	6604.6	6580.1	6602.4	6615.7	6591.2
25°	6927.6	6885.3	6914.2	6903.1	6871.9	6878.6	6860.8	6883.0	6894.2	6863.0
27.5°	7206.0	7177.1	7203.8	7210.5	7172.6	7199.4	7172.6	7192.7	7203.8	7157.0
30°	7531.3	7502.3	7526.8	7544.6	7500.1	7542.4	7520.1	7533.5	7535.7	7480.0
32.5°	7885.4	7840.9	7903.3	7912.2	7863.2	7914.4	7885.4	7903.3	7914.4	7838.7
35°	8317.6	8261.9	8333.2	8322.0	8279.7	8322.0	8295.3	8322.0	8348.8	8257.4
37.5°	8783.1	8725.2	8800.9	8780.9	8740.8	8769.8	8754.2	8772.0	8814.3	8716.3
40°	9295.5	9224.2	9326.6	9291.0	9253.1	9248.7	9257.6	9268.7	9324.4	9215.3
42.5°	9843.4	9767.7	9921.4	9865.7	9812.2	9776.6	9805.6	9827.8	9881.3	9758.8
45°	10469.4	10382.5	10583.0	10516.1	10431.5	10358.0	10404.8	10438.2	10516.1	10369.1
47.5°	11159.9	11061.9	11275.7	11255.7	11117.6	10957.2	11064.1	11159.9	11217.8	11039.6
50°	11834.8	11759.1	12039.8	12064.3	11895.0	11670.0	11819.2	11964.0	11979.6	11745.7
52.5°	12467.5	12391.7	12799.4	12953.1	12801.6	12534.3	12692.4	12839.4	12721.4	12418.4
55°	12973.1	12910.7	13429.7	13826.2	13877.5	13656.9	13750.5	13746.1	13358.5	12892.9
57.5°	13095.6	13086.7	13741.6	14581.4	15116.0	15142.7	14957.8	14485.6	13650.3	13024.3
60°	12538.7	12594.4	13494.3	14975.6	16401.3	16993.8	16194.1	14846.4	13318.4	12449.6
62.5°	10872.5	11019.6	12104.4	14494.5	17439.3	19123.3	17185.3	14298.5	11955.1	10821.3
65°	7791.9	8048.0	9246.5	12369.4	17345.7	20994.4	17042.8	12269.2	9335.6	8028.0
67.5°	3535.1	3795.7	4813.7	8469.0	15078.1	20486.5	15042.5	8558.1	5054.3	3809.1
70°	1280.8	1325.4	1652.8	3390.3	9636.3	16323.3	10048.4	3414.8	1757.5	1412.3
72.5°	775.2	781.9	850.9	1214.0	3348.0	9910.3	3490.5	1254.1	868.7	770.7
75°	492.3	487.8	605.9	741.8	1187.3	3343.5	1245.2	741.8	603.7	550.2
77.5°	354.2	365.3	434.4	554.7	748.4	1133.8	735.1	530.2	434.4	356.4
80°	265.1	271.8	316.3	432.1	525.7	706.1	467.8	392.0	327.4	222.8
82.5°	191.6	191.6	207.2	314.1	320.8	380.9	253.9	276.2	216.1	158.2
85°	113.6	111.4	129.2	187.1	167.1	140.3	115.8	169.3	135.9	98.0
87.5°	40.1	42.3	40.1	53.5	44.6	37.9	35.6	46.8	37.9	33.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5283.7
5314.9
5388.4
5499.8
5633.4
5771.5
5923.0
6130.1
6364.0
6615.7
6898.6
7192.7
7513.4
7889.9
8313.1
8776.4
9250.9
9823.4
10444.9
11099.8
11774.7
12427.4
12908.5
12984.2
12347.2
10754.5
7932.2
3753.4
1394.4
784.1
554.7
363.1
229.4
158.2
95.8
31.2
0.0

OF REPORT)