

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: P954806

Luminaire Tested: **GALN-SB7D-950-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954806
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-SB7D-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52754 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

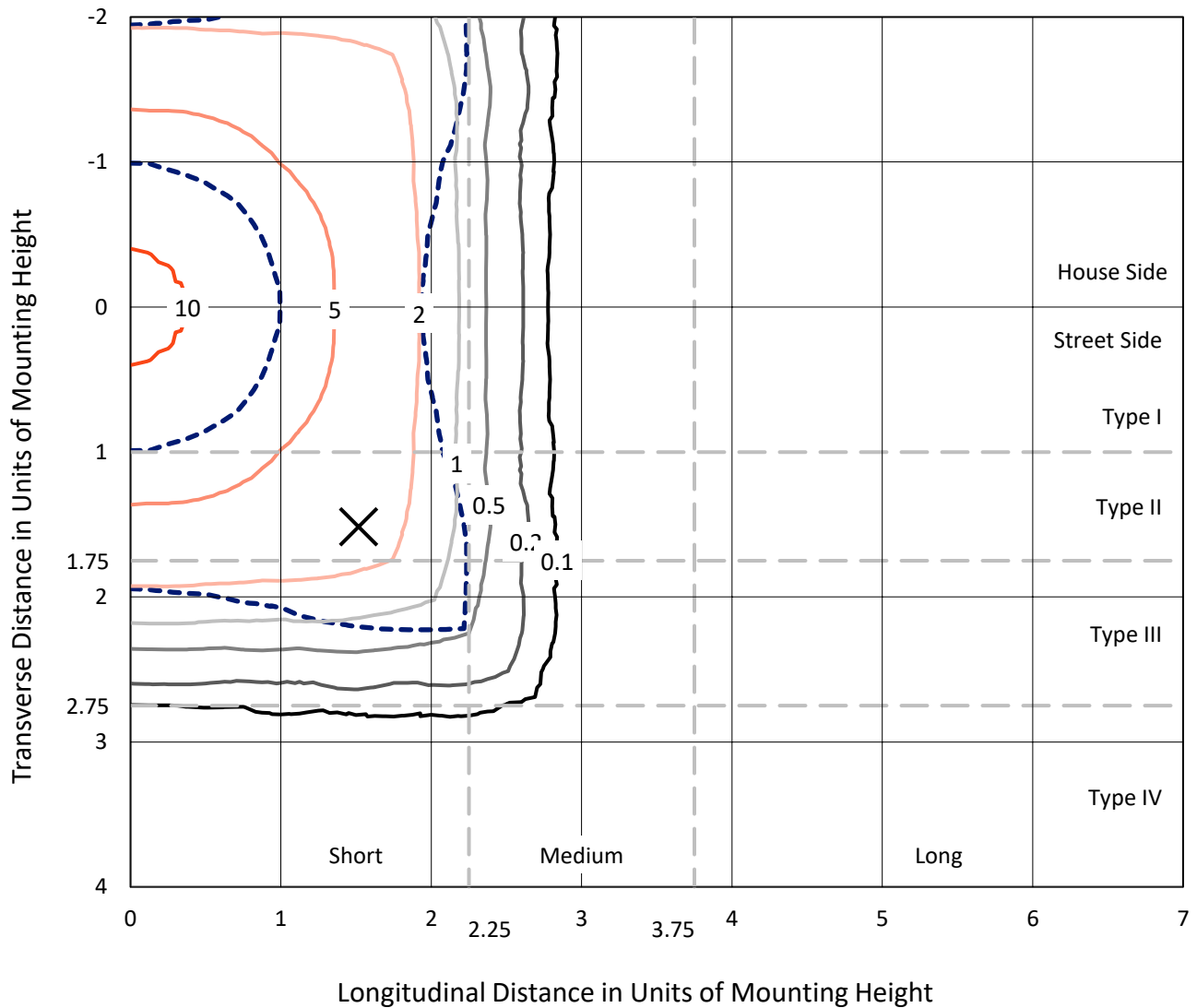
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

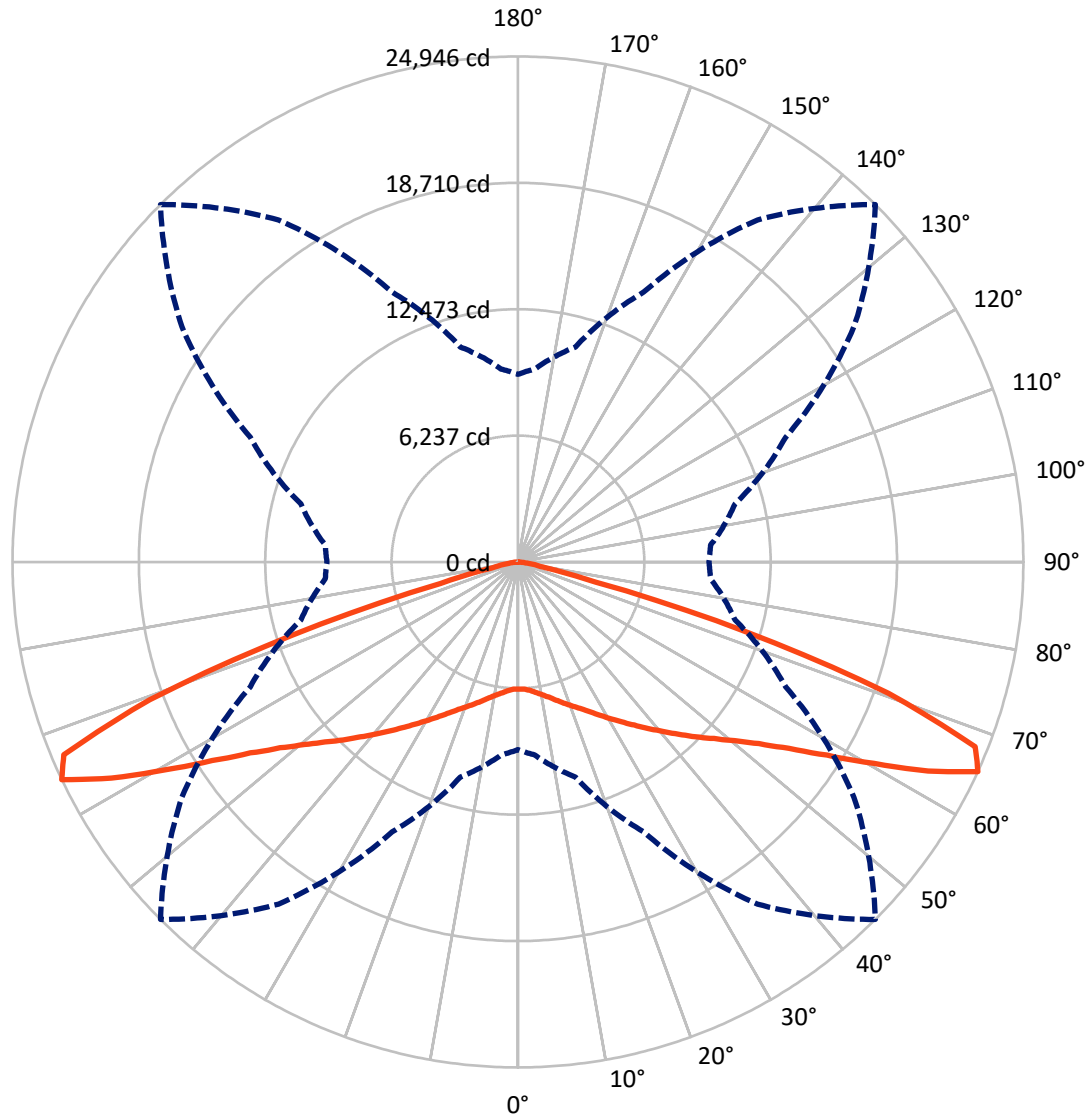
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	26377.0	0.0	26377.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26377.0	0.0	26377.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52754.0	0.0	52754.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	619.6	1.2
10°-20°	2021.8	3.8
20°-30°	3817.4	7.2
30°-40°	6250.9	11.8
40°-50°	9692.0	18.4
50°-60°	14317.2	27.1
60°-70°	13628.6	25.8
70°-80°	2199.2	4.2
80°-90°	207.3	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°	52754.0	100.0
0°-180°	52754.0	100.0

Coefficient of Utilization



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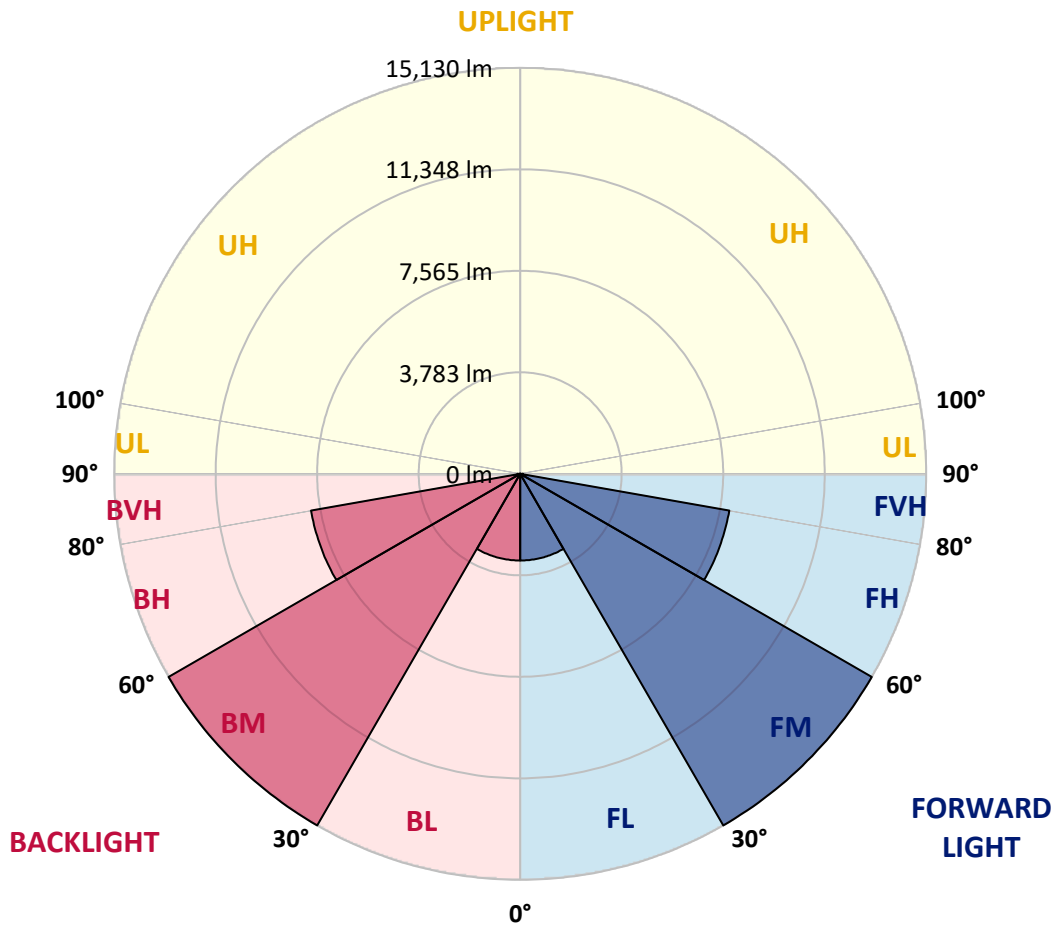
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3229.4	6.1			
FM (30°-60°)	15130.1	28.7			
FH (60°-80°)	7913.9	15.0			G4/12000
FVH (80°-90°)	103.6	0.2			G2/225
BL (0°-30°)	3229.4	6.1	B4/5000		
BM (30°-60°)	15130.1	28.7	B5		
BH (60°-80°)	7913.9	15.0	B5		G4/12000
BVH (80°-90°)	103.6	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6278.3	6278.3	6278.3	6278.3	6278.3	6278.3	6278.3	6278.3	6278.3	6278.3
2.5°	6320.6	6299.4	6315.3	6302.1	6291.5	6280.9	6286.2	6304.7	6312.7	6315.3
5°	6405.3	6386.8	6394.7	6394.7	6376.2	6370.9	6373.5	6386.8	6402.7	6402.7
7.5°	6542.9	6524.4	6542.9	6532.3	6516.5	6511.2	6508.5	6519.1	6542.9	6542.9
10°	6709.7	6688.5	6699.1	6693.8	6675.3	6667.3	6664.7	6680.6	6701.7	6699.1
12.5°	6892.3	6868.5	6881.7	6865.8	6860.6	6852.6	6852.6	6850.0	6863.2	6852.6
15°	7096.1	7080.2	7085.5	7074.9	7082.9	7077.6	7056.4	7045.8	7051.1	7035.2
17.5°	7337.0	7299.9	7318.5	7313.2	7313.2	7323.7	7289.3	7276.1	7286.7	7270.8
20°	7614.9	7577.8	7585.8	7575.2	7562.0	7572.5	7530.2	7540.8	7548.7	7538.1
22.5°	7919.3	7871.6	7869.0	7874.3	7845.2	7847.8	7818.7	7845.2	7861.1	7831.9
25°	8231.6	8181.3	8215.7	8202.5	8165.4	8173.4	8152.2	8178.7	8191.9	8154.8
27.5°	8562.5	8528.0	8559.8	8567.8	8522.8	8554.5	8522.8	8546.6	8559.8	8504.2
30°	8948.9	8914.5	8943.6	8964.8	8911.8	8962.1	8935.7	8951.5	8954.2	8888.0
32.5°	9369.7	9316.8	9390.9	9401.5	9343.3	9404.1	9369.7	9390.9	9404.1	9314.2
35°	9883.2	9817.1	9901.7	9888.5	9838.2	9888.5	9856.8	9888.5	9920.3	9811.8
37.5°	10436.4	10367.6	10457.6	10433.8	10386.1	10420.5	10402.0	10423.2	10473.5	10357.0
40°	11045.2	10960.5	11082.2	11039.9	10994.9	10989.6	11000.2	11013.4	11079.6	10949.9
42.5°	11696.3	11606.3	11788.9	11722.8	11659.2	11616.9	11651.3	11677.8	11741.3	11595.7
45°	12440.0	12336.8	12575.0	12495.6	12395.1	12307.7	12363.3	12403.0	12495.6	12320.9
47.5°	13260.6	13144.1	13398.2	13374.4	13210.3	13019.7	13146.7	13260.6	13329.4	13117.6
50°	14062.5	13972.6	14306.1	14335.2	14134.0	13866.7	14044.0	14216.1	14234.6	13956.7
52.5°	14814.2	14724.3	15208.6	15391.2	15211.3	14893.6	15081.6	15256.3	15116.0	14756.0
55°	15415.1	15341.0	15957.7	16428.8	16489.7	16227.6	16338.8	16333.5	15873.0	15319.8
57.5°	15560.6	15550.1	16328.2	17326.1	17961.3	17993.1	17773.4	17212.3	16219.7	15475.9
60°	14898.9	14965.1	16034.4	17794.6	19488.5	20192.6	19242.4	17641.0	15825.3	14793.1
62.5°	12919.1	13093.8	14382.8	17222.8	20721.9	22722.9	20420.2	16989.9	14205.5	12858.2
65°	9258.6	9563.0	10986.9	14697.8	20610.8	24946.3	20250.8	14578.7	11092.8	9539.1
67.5°	4200.5	4510.2	5719.8	10063.2	17916.3	24342.8	17874.0	10169.1	6005.6	4526.1
70°	1521.9	1574.9	1963.9	4028.5	11450.1	19395.9	11939.8	4057.6	2088.3	1678.1
72.5°	921.1	929.0	1011.1	1442.5	3978.2	11775.7	4147.6	1490.2	1032.3	915.8
75°	584.9	579.7	719.9	881.4	1410.8	3972.9	1479.6	881.4	717.3	653.8
77.5°	420.8	434.1	516.1	659.1	889.3	1347.2	873.5	629.9	516.1	423.5
80°	315.0	322.9	375.8	513.5	624.6	839.0	555.8	465.8	389.1	264.7
82.5°	227.6	227.6	246.2	373.2	381.1	452.6	301.7	328.2	256.7	187.9
85°	135.0	132.3	153.5	222.3	198.5	166.7	137.6	201.2	161.5	116.5
87.5°	47.6	50.3	47.6	63.5	52.9	45.0	42.3	55.6	45.0	39.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6278.3
6315.3
6402.7
6535.0
6693.8
6857.9
7037.9
7284.0
7562.0
7861.1
8197.2
8546.6
8927.7
9375.0
9877.9
10428.5
10992.2
11672.5
12410.9
13189.1
13991.1
14766.6
15338.3
15428.3
14671.3
12778.8
9425.3
4459.9
1656.9
931.7
659.1
431.4
272.6
187.9
113.8
37.1
0.0

OF REPORT)