

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: P942063

Luminaire Tested: **GALN-SB5D-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942063
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-SB5D-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30953 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

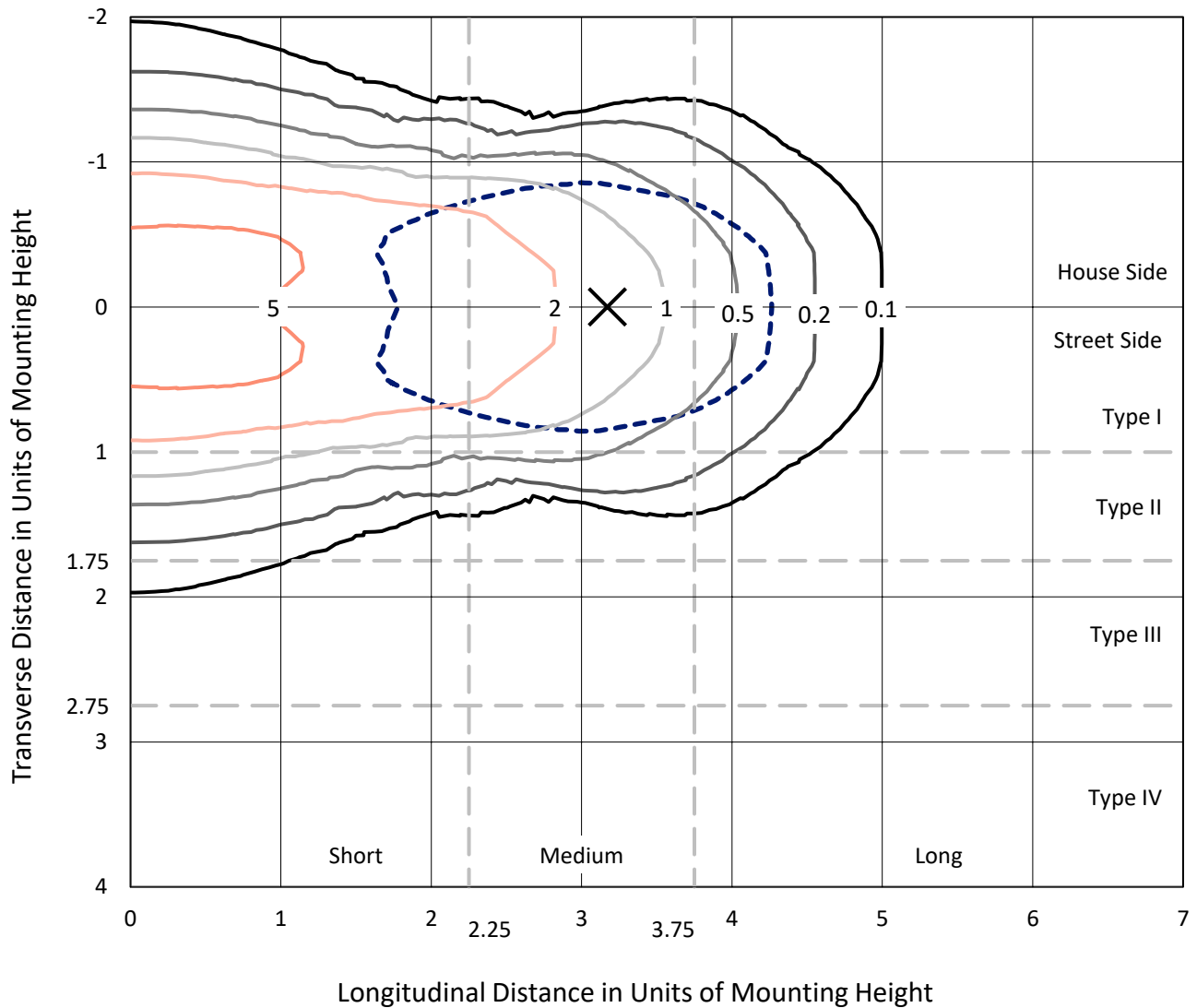
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942063
 CATALOG NUMBER: GALN-SB5D-927-U-T1

Iso-Footcandle Lines of Horizontal Illumination

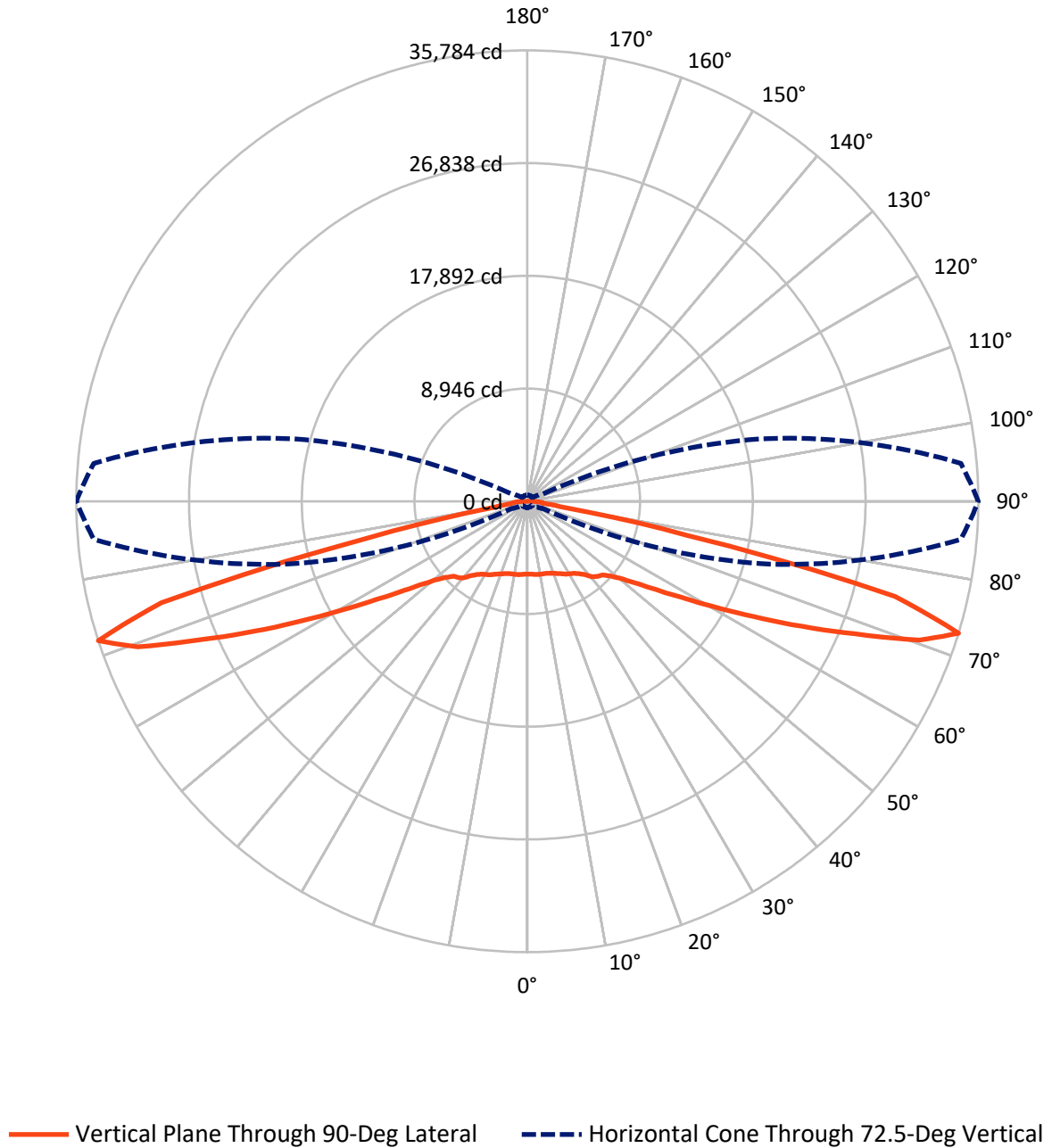
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type I - Short - N/A

REPORT NUMBER: P942063
CATALOG NUMBER: GALN-SB5D-927-U-T1

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15476.5	0.0	15476.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15476.5	0.0	15476.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30953.0	0.0	30953.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.8	1.8
10°-20°	1714.8	5.5
20°-30°	2859.2	9.2
30°-40°	3932.3	12.7
40°-50°	4802.4	15.5
50°-60°	5554.5	17.9
60°-70°	6622.8	21.4
70°-80°	4622.3	14.9
80°-90°	283.9	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°	30953.0	100.0
0°-180°	30953.0	100.0

Coefficient of Utilization



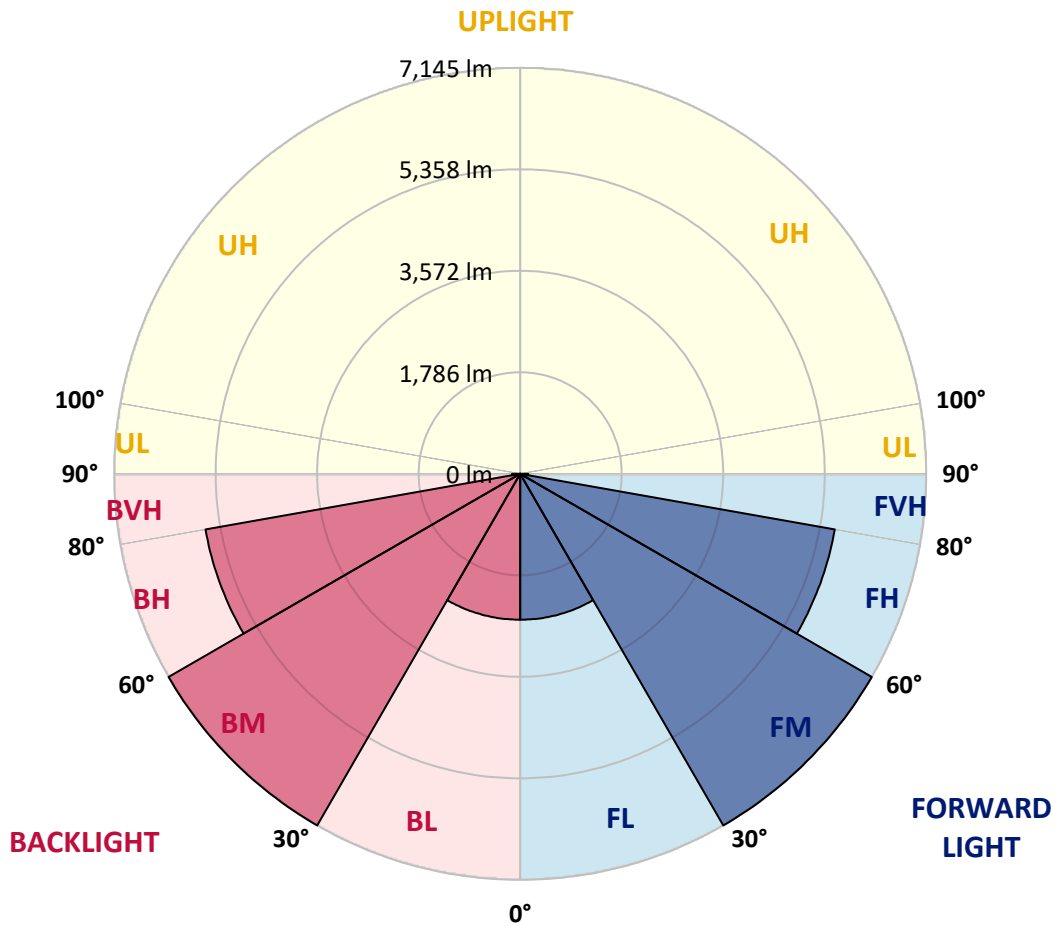
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2567.4	8.3			
FM (30°-60°)	7144.6	23.1			
FH (60°-80°)	5622.6	18.2			G3/7500
FVH (80°-90°)	142.0	0.5			G2/225
BL (0°-30°)	2567.4	8.3	B4/5000		
BM (30°-60°)	7144.6	23.1	B4/8500		
BH (60°-80°)	5622.6	18.2	B5		G5
BVH (80°-90°)	142.0	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°	5783.9	5783.9	5783.9	5783.9	5783.9	5783.9	5783.9	5783.9	5783.9	5783.9
2.5°	5788.8	5795.4	5795.4	5790.5	5802.0	5792.1	5792.1	5787.2	5792.1	5787.2
5°	5818.4	5826.7	5830.0	5828.3	5843.1	5834.9	5834.9	5828.3	5830.0	5825.0
7.5°	5874.4	5885.9	5892.5	5900.7	5922.1	5912.2	5905.6	5885.9	5877.7	5864.5
10°	5892.5	5905.6	5927.0	5969.8	6019.1	6020.8	6001.0	5951.7	5913.9	5884.2
12.5°	5836.5	5854.6	5899.0	5986.2	6096.4	6140.9	6109.6	6027.4	5953.3	5900.7
15°	5765.8	5785.5	5853.0	5984.6	6147.4	6251.1	6247.8	6139.2	6020.8	5938.5
17.5°	5655.6	5675.3	5772.4	5956.6	6186.9	6358.0	6404.1	6292.2	6126.1	6015.8
20°	5456.5	5474.6	5609.5	5867.8	6200.1	6471.5	6591.6	6492.9	6285.6	6135.9
22.5°	5198.3	5226.2	5384.2	5714.8	6168.8	6590.0	6805.5	6738.0	6471.5	6264.2
25°	4921.9	4951.5	5135.8	5527.3	6088.2	6675.5	7058.8	7016.0	6682.1	6423.8
27.5°	4683.4	4714.6	4915.3	5341.4	5963.2	6708.4	7308.8	7330.2	6937.1	6599.8
30°	4495.8	4525.5	4739.3	5191.7	5802.0	6675.5	7527.6	7675.7	7197.0	6752.8
32.5°	4290.2	4328.1	4553.4	5009.1	5611.2	6596.5	7718.4	8049.1	7498.0	6917.3
35°	4030.3	4064.8	4301.7	4759.0	5361.1	6469.9	7878.0	8463.6	7929.0	7167.4
37.5°	3714.5	3747.4	3982.6	4446.5	5112.7	6292.2	7999.7	8930.8	8442.2	7527.6
40°	3397.0	3428.2	3648.7	4097.7	4815.0	6065.2	8042.5	9388.1	9031.2	8022.8
42.5°	3105.8	3133.8	3336.1	3753.9	4481.0	5775.7	7986.6	9786.2	9559.2	8368.2
45°	2837.7	2862.3	3041.6	3431.5	4133.9	5423.6	7818.8	10213.9	10187.6	8615.0
47.5°	2531.7	2556.4	2742.3	3119.0	3786.8	5010.7	7534.2	10635.1	11061.1	9174.3
50°	2158.3	2179.7	2370.5	2758.7	3426.6	4571.5	7139.4	10965.7	12163.3	10021.5
52.5°	1715.8	1738.8	1924.7	2312.9	2998.9	4099.4	6619.6	11181.2	13436.5	11258.5
55°	1276.5	1293.0	1454.2	1802.9	2469.2	3561.5	5968.1	11242.1	14880.9	12949.6
57.5°	926.1	936.0	1039.7	1299.6	1872.0	2888.7	5176.9	11084.2	16599.9	15117.7
60°	750.1	753.4	784.7	899.8	1301.2	2128.7	4221.1	10541.3	18465.4	17912.6
62.5°	681.0	681.0	689.3	720.5	880.1	1404.8	3064.7	9416.1	20465.7	21444.5
65°	633.3	633.3	636.6	651.4	694.2	894.9	1934.5	7583.5	22151.9	25581.7
67.5°	590.6	592.2	590.6	595.5	620.2	661.3	1121.9	5237.7	23059.9	29868.7
70°	546.1	549.4	541.2	541.2	561.0	562.6	702.4	2872.2	22306.5	33461.4
72.5°	493.5	498.4	485.3	482.0	496.8	490.2	528.1	1378.5	19151.3	34533.9
75°	447.4	454.0	424.4	416.2	416.2	411.3	429.4	707.4	12429.8	28171.0
77.5°	406.3	419.5	371.8	345.5	338.9	324.1	350.4	432.6	5436.8	13226.0
80°	335.6	353.7	306.0	274.7	263.2	246.8	276.4	302.7	1617.1	3071.3
82.5°	250.0	258.3	217.1	195.8	185.9	174.4	207.3	210.6	526.4	1087.4
85°	159.6	162.9	133.2	115.2	110.2	105.3	131.6	115.2	200.7	799.5
87.5°	55.9	64.2	51.0	46.1	49.4	41.1	60.9	34.5	55.9	564.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5783.9
5787.2
5825.0
5864.5
5879.3
5892.5
5925.4
5997.7
6108.0
6226.4
6371.2
6543.9
6672.2
6815.3
7053.9
7376.3
7861.6
8161.0
8335.3
8851.9
9616.8
10760.1
12326.1
14333.1
16924.0
20120.3
23907.1
28060.8
32986.0
35784.1
30131.9
12951.3
2941.3
1228.8
1161.4
699.1
0.0

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