

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: P942083

Luminaire Tested: **GALN-SB5D-935-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942083
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-935-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35375 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

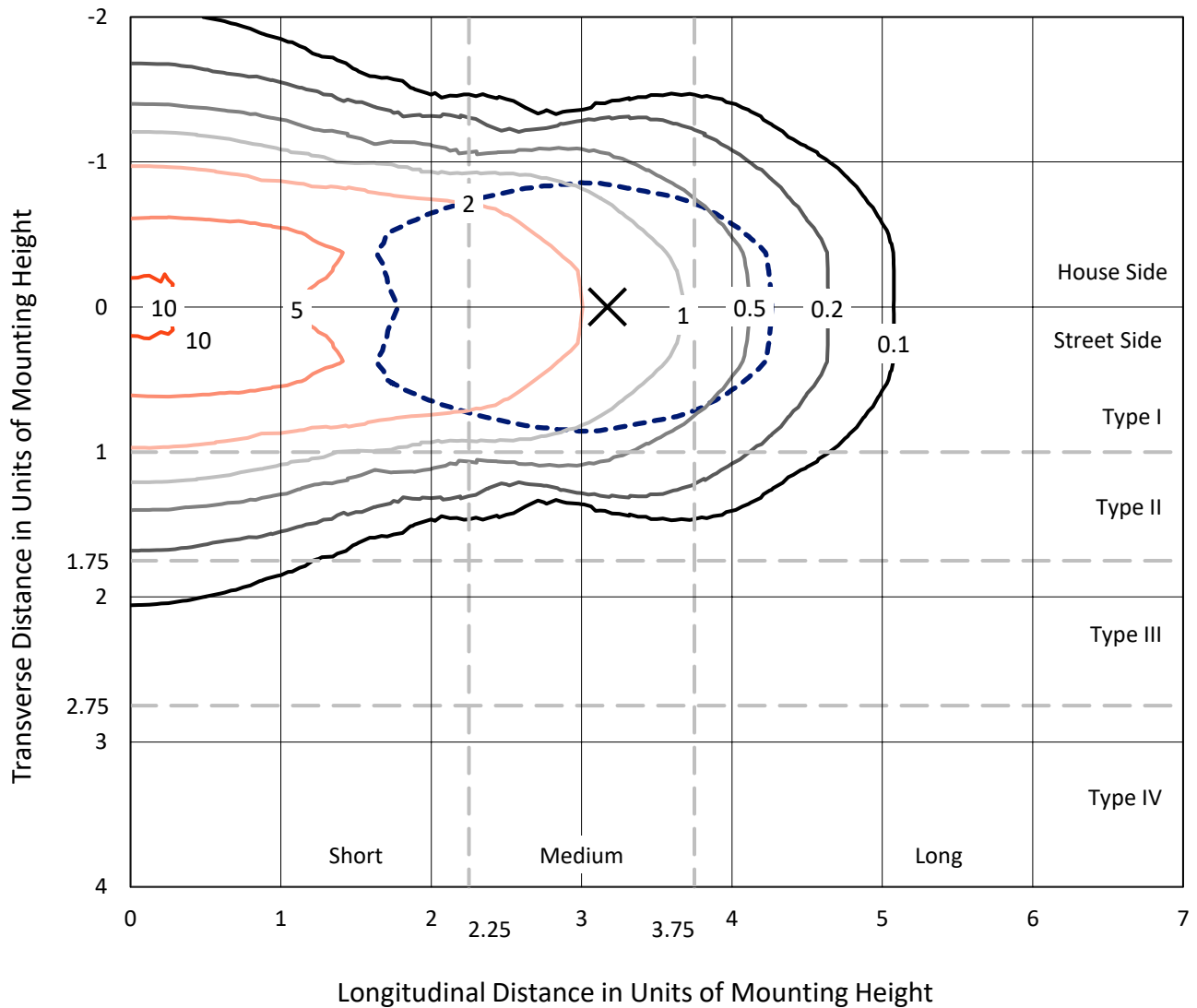
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942083
 CATALOG NUMBER: GALN-SB5D-935-U-T1

Iso-Footcandle Lines of Horizontal Illumination

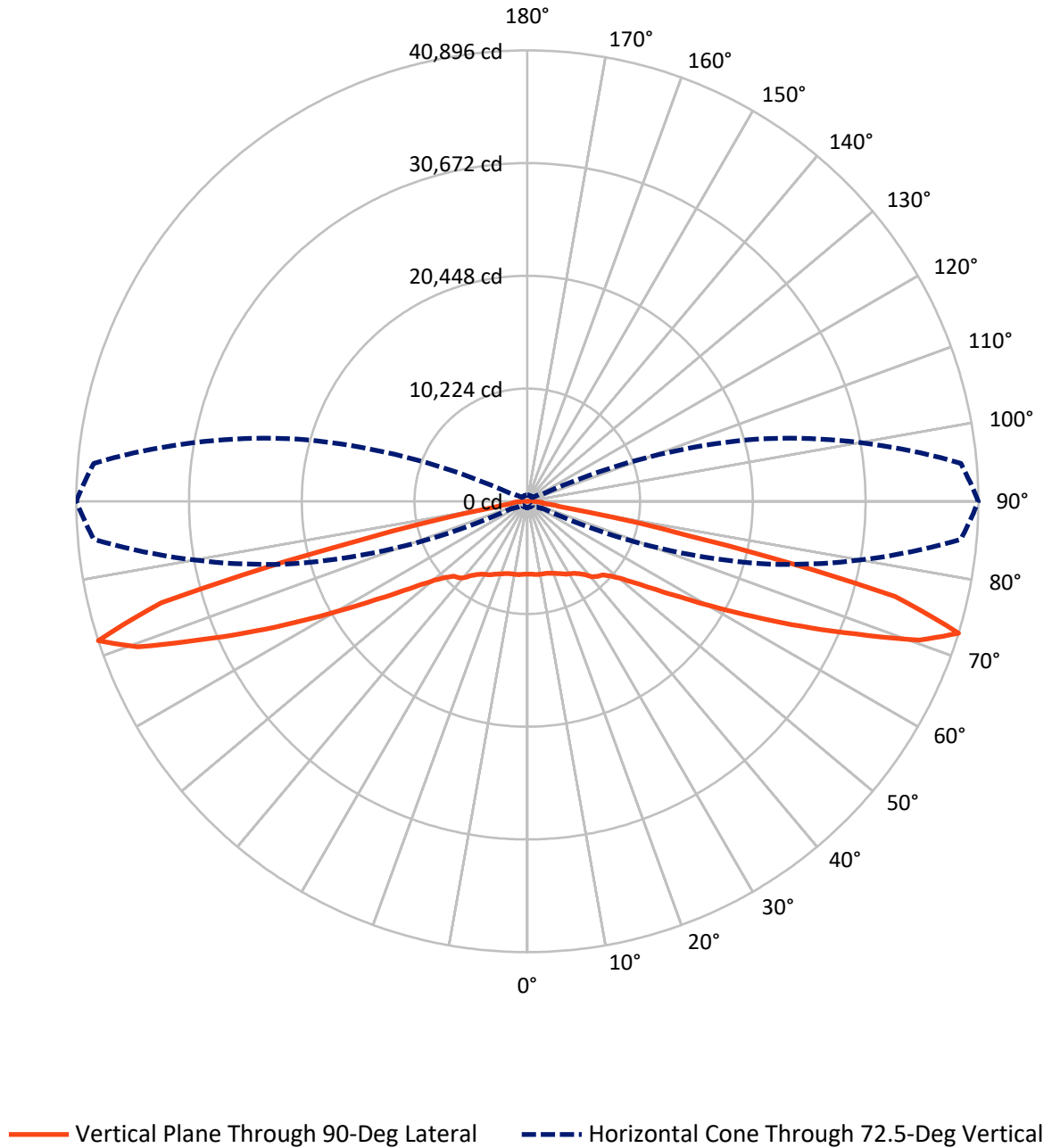
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type I - Short - N/A

REPORT NUMBER: P942083
CATALOG NUMBER: GALN-SB5D-935-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P942083
 CATALOG NUMBER: GALN-SB5D-935-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17687.5	0.0	17687.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17687.5	0.0	17687.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35375.0	0.0	35375.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.9	1.8
10°-20°	1959.7	5.5
20°-30°	3267.7	9.2
30°-40°	4494.1	12.7
40°-50°	5488.5	15.5
50°-60°	6348.0	17.9
60°-70°	7569.0	21.4
70°-80°	5282.6	14.9
80°-90°	324.5	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°	35375.0	100.0
0°-180°	35375.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942083

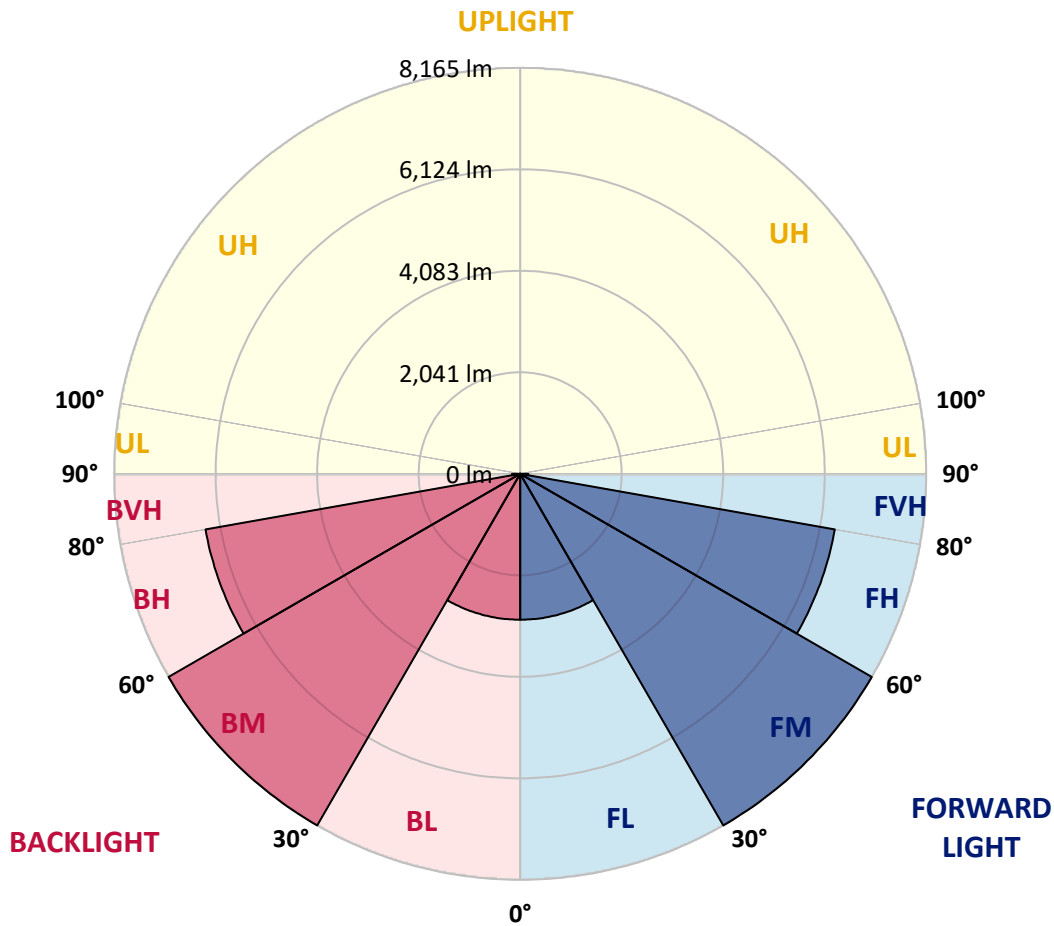
CATALOG NUMBER: GALN-SB5D-935-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2934.2	8.3			
FM (30°-60°)	8165.3	23.1			
FH (60°-80°)	6425.8	18.2			G3/7500
FVH (80°-90°)	162.2	0.5			G2/225
BL (0°-30°)	2934.2	8.3	B4/5000		
BM (30°-60°)	8165.3	23.1	B4/8500		
BH (60°-80°)	6425.8	18.2	B5		G5
BVH (80°-90°)	162.2	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



REPORT NUMBER: P942083

CATALOG NUMBER: GALN-SB5D-935-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6610.2	6610.2	6610.2	6610.2	6610.2	6610.2	6610.2	6610.2	6610.2	6610.2
2.5°	6615.8	6623.4	6623.4	6617.7	6630.9	6619.6	6619.6	6614.0	6619.6	6614.0
5°	6649.7	6659.1	6662.8	6661.0	6677.9	6668.5	6668.5	6661.0	6662.8	6657.2
7.5°	6713.6	6726.8	6734.3	6743.7	6768.1	6756.8	6749.3	6726.8	6717.4	6702.3
10°	6734.3	6749.3	6773.8	6822.6	6879.0	6880.9	6858.4	6802.0	6758.7	6724.9
12.5°	6670.4	6691.0	6741.8	6841.4	6967.4	7018.2	6982.4	6888.4	6803.8	6743.7
15°	6589.5	6612.1	6689.2	6839.6	7025.7	7144.1	7140.4	7016.3	6880.9	6786.9
17.5°	6463.5	6486.1	6597.0	6807.6	7070.8	7266.3	7319.0	7191.1	7001.2	6875.3
20°	6236.1	6256.7	6410.9	6706.1	7085.8	7396.0	7533.3	7420.5	7183.6	7012.5
22.5°	5940.9	5972.9	6153.3	6531.2	7050.1	7531.4	7777.7	7700.6	7396.0	7159.2
25°	5625.1	5658.9	5869.5	6316.9	6958.0	7629.2	8067.2	8018.3	7636.7	7341.5
27.5°	5352.5	5388.2	5617.5	6104.5	6815.1	7666.8	8353.0	8377.4	7928.1	7542.7
30°	5138.1	5172.0	5416.4	5933.4	6630.9	7629.2	8603.0	8772.2	8225.1	7717.5
32.5°	4903.1	4946.4	5203.9	5724.7	6412.8	7538.9	8821.1	9199.0	8569.2	7905.5
35°	4606.1	4645.6	4916.3	5438.9	6127.0	7394.2	9003.5	9672.8	9061.8	8191.3
37.5°	4245.1	4282.7	4551.6	5081.7	5843.1	7191.1	9142.6	10206.7	9648.3	8603.0
40°	3882.3	3918.0	4169.9	4683.2	5502.9	6931.7	9191.5	10729.3	10321.4	9168.9
42.5°	3549.5	3581.5	3812.7	4290.2	5121.2	6600.8	9127.6	11184.3	10924.9	9563.7
45°	3243.1	3271.3	3476.2	3921.7	4724.5	6198.5	8935.8	11673.1	11643.0	9845.7
47.5°	2893.4	2921.6	3134.0	3564.5	4327.8	5726.6	8610.5	12154.4	12641.3	10484.9
50°	2466.6	2491.0	2709.1	3152.8	3916.1	5224.6	8159.3	12532.3	13901.0	11453.2
52.5°	1960.9	1987.2	2199.6	2643.3	3427.3	4685.0	7565.2	12778.6	15356.1	12866.9
55°	1458.9	1477.7	1661.9	2060.5	2821.9	4070.3	6820.8	12848.1	17006.8	14799.6
57.5°	1058.5	1069.7	1188.2	1485.2	2139.5	3301.3	5916.5	12667.7	18971.4	17277.5
60°	857.3	861.1	896.8	1028.4	1487.1	2432.8	4824.2	12047.2	21103.4	20471.7
62.5°	778.3	778.3	787.7	823.5	1005.8	1605.5	3502.5	10761.3	23389.5	24508.1
65°	723.8	723.8	727.6	744.5	793.4	1022.7	2210.9	8666.9	25316.5	29236.4
67.5°	674.9	676.8	674.9	680.6	708.8	755.8	1282.2	5986.0	26354.3	34135.7
70°	624.2	627.9	618.5	618.5	641.1	643.0	802.8	3282.5	25493.2	38241.7
72.5°	564.0	569.6	554.6	550.8	567.8	560.2	603.5	1575.5	21887.3	39467.5
75°	511.4	518.9	485.0	475.6	475.6	470.0	490.7	808.4	14205.5	32195.5
77.5°	464.4	479.4	424.9	394.8	387.3	370.4	400.4	494.4	6213.5	15115.5
80°	383.5	404.2	349.7	314.0	300.8	282.0	315.8	345.9	1848.1	3510.0
82.5°	285.8	295.2	248.2	223.7	212.4	199.3	236.9	240.6	601.6	1242.7
85°	182.4	186.1	152.3	131.6	126.0	120.3	150.4	131.6	229.4	913.7
87.5°	63.9	73.3	58.3	52.6	56.4	47.0	69.6	39.5	63.9	644.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6610.2
6614.0
6657.2
6702.3
6719.2
6734.3
6771.9
6854.6
6980.6
7115.9
7281.4
7478.8
7625.4
7789.0
8061.6
8430.1
8984.7
9326.8
9526.1
10116.5
10990.7
12297.3
14087.1
16380.7
19341.8
22994.7
27322.5
32069.6
37698.4
40896.3
34436.5
14801.5
3361.5
1404.4
1327.3
799.0
0.0

OF REPORT)