

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: P953045

Luminaire Tested: **GALN-SB6D-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52493 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 440.1
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



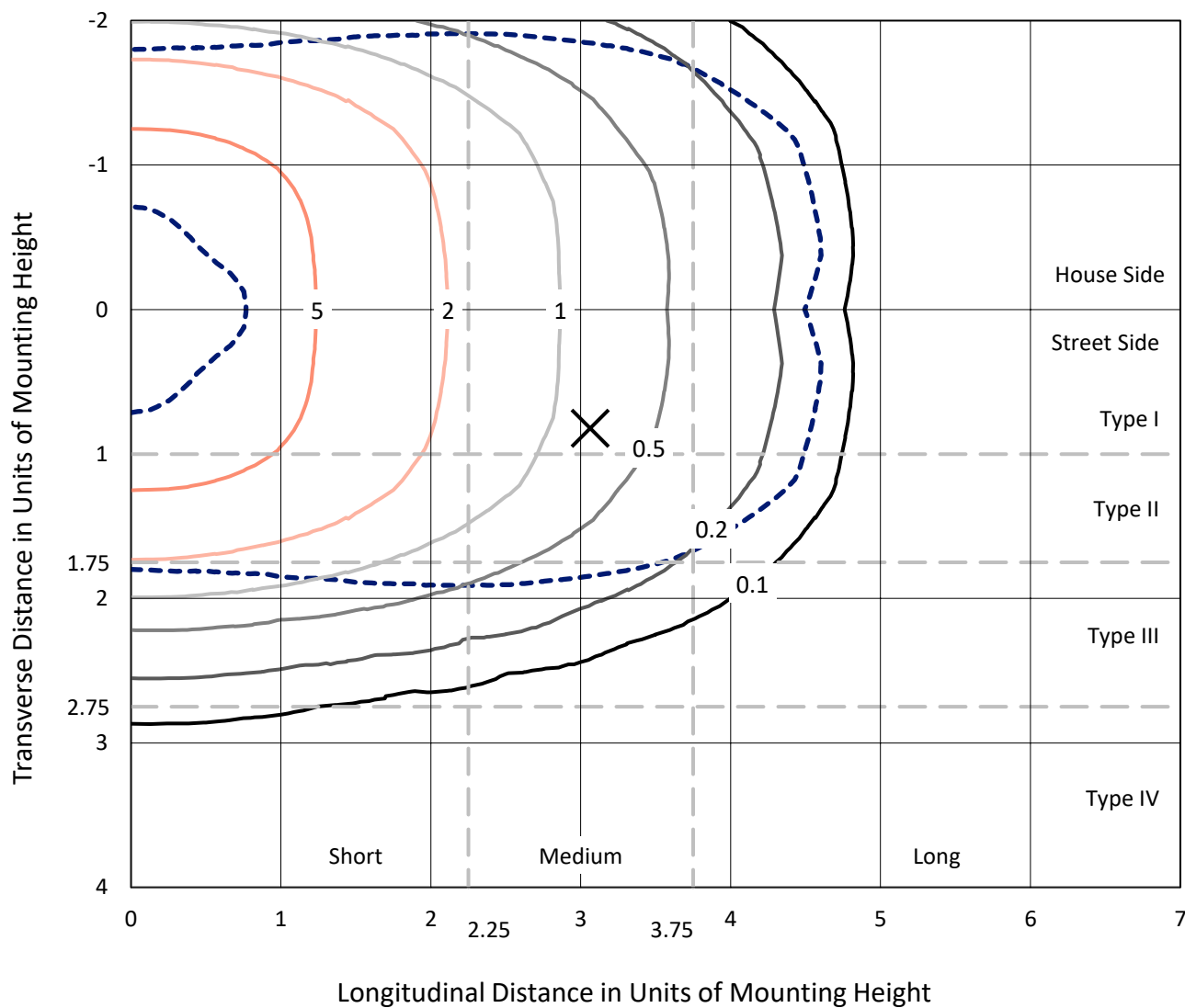
REPORT NUMBER: P953045

CATALOG NUMBER: GALN-SB6D-722-U-RW

Iso-Footcandle Lines of Horizontal Illumination

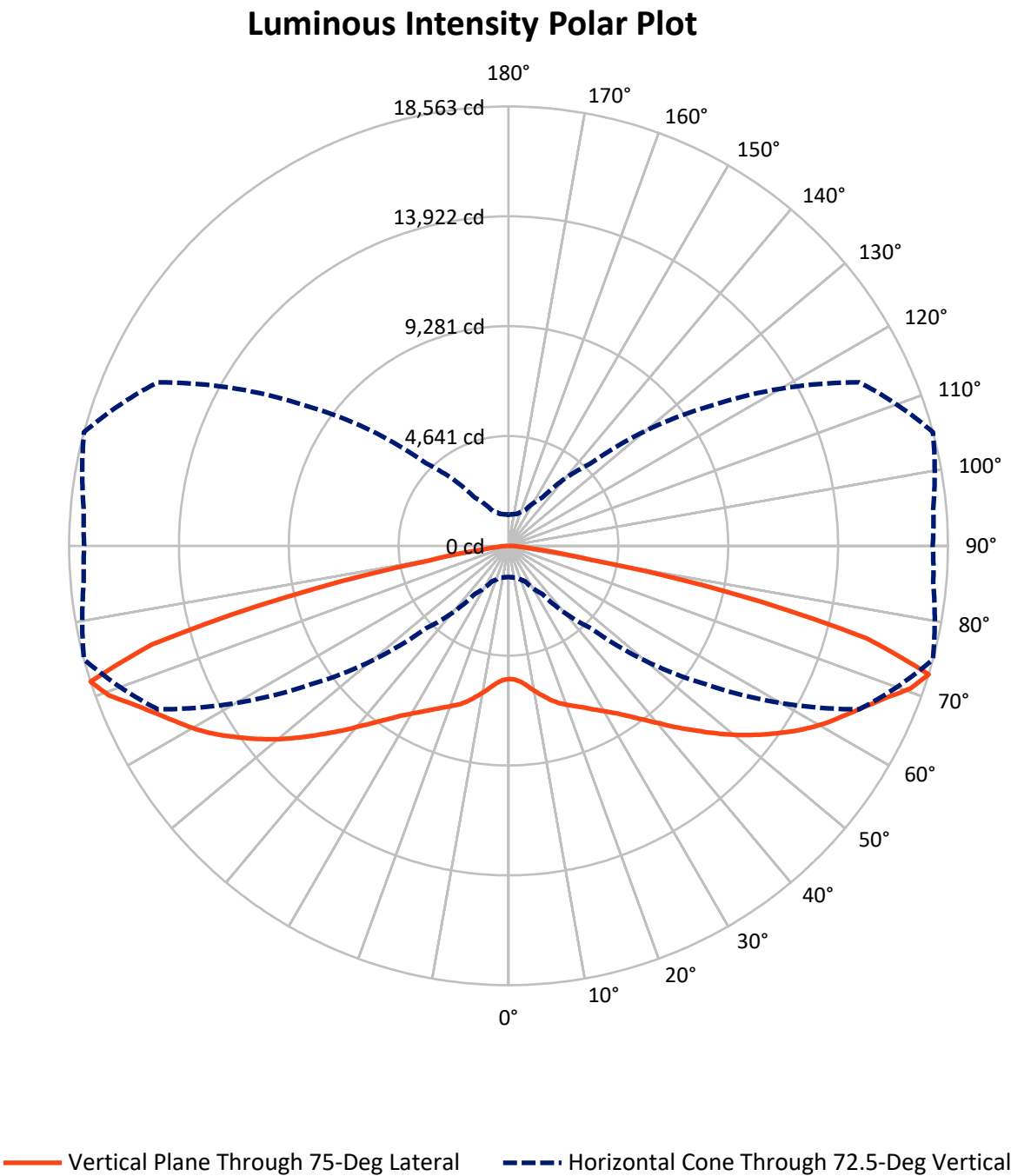
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
Type III - Medium - N/A

REPORT NUMBER: P953045
CATALOG NUMBER: GALN-SB6D-722-U-RW



REPORT NUMBER: P953045

CATALOG NUMBER: GALN-SB6D-722-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26246.5	0.0	26246.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26246.5	0.0	26246.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	52493.0	0.0	52493.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.8	1.0
10°-20°	1816.7	3.5
20°-30°	3510.4	6.7
30°-40°	5927.5	11.3
40°-50°	9400.4	17.9
50°-60°	12586.0	24.0
60°-70°	11977.8	22.8
70°-80°	6250.2	11.9
80°-90°	473.1	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°	52493.0	100.0
0°-180°	52493.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953045

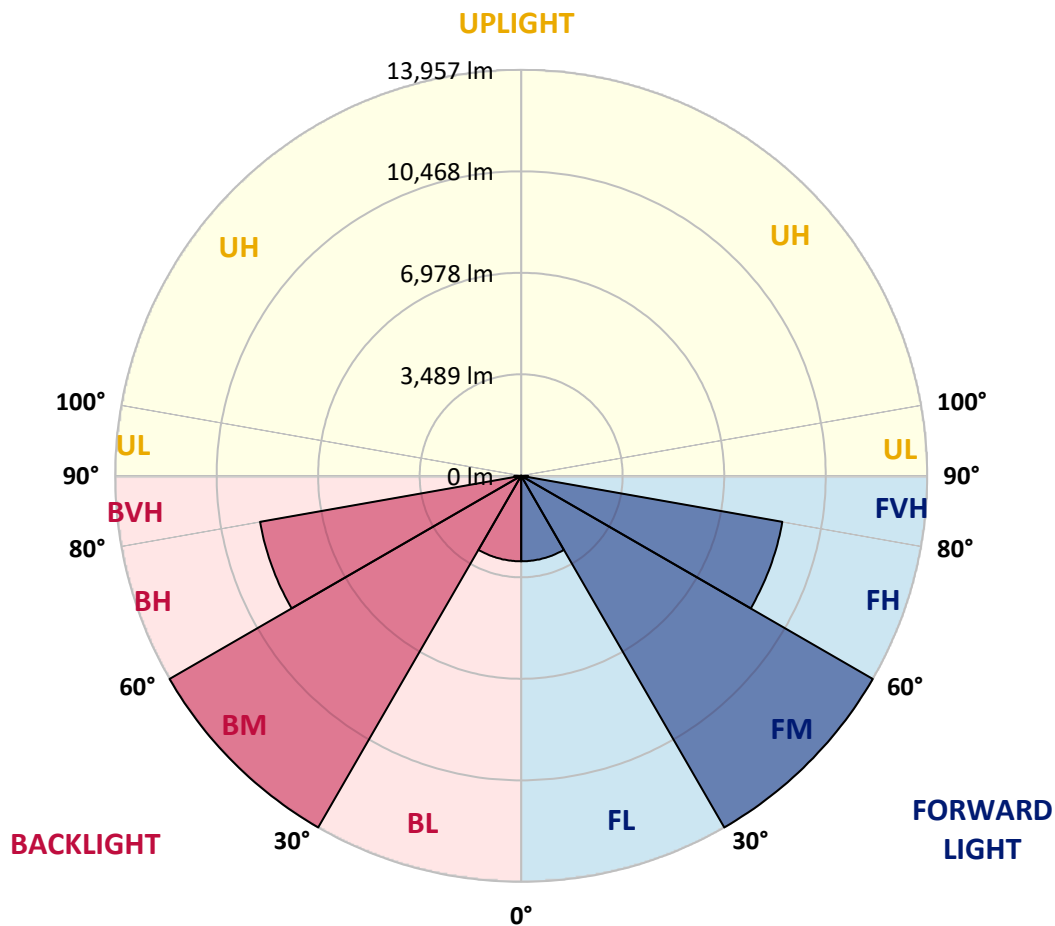
CATALOG NUMBER: GALN-SB6D-722-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2939.0	5.6			
FM	(30°-60°)	13956.9	26.6			
FH	(60°-80°)	9114.0	17.4			G4/12000
FVH	(80°-90°)	236.6	0.5			G3/500
BL	(0°-30°)	2939.0	5.6	B4/5000		
BM	(30°-60°)	13956.9	26.6	B5		
BH	(60°-80°)	9114.0	17.4	B5		G5
BVH	(80°-90°)	236.6	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



REPORT NUMBER: P953045

CATALOG NUMBER: GALN-SB6D-722-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5622.9	5622.9	5622.9	5622.9	5622.9	5622.9	5622.9	5622.9	5622.9	5622.9	5622.9
2.5°	5622.9	5617.6	5622.9	5628.3	5625.6	5625.6	5639.0	5647.1	5663.1	5660.5	5657.8
5°	5585.4	5582.7	5604.2	5628.3	5647.1	5679.2	5719.4	5748.9	5786.4	5794.5	5794.5
7.5°	5566.7	5558.6	5596.1	5639.0	5698.0	5778.4	5856.1	5936.5	6000.8	6022.3	6027.6
10°	5580.1	5582.7	5633.7	5714.1	5807.9	5920.4	6030.3	6167.0	6258.1	6279.6	6301.0
12.5°	5641.7	5636.3	5722.1	5850.8	5979.4	6121.4	6250.1	6400.2	6499.3	6550.3	6571.7
15°	5754.3	5743.5	5864.2	6054.4	6242.1	6408.2	6512.7	6654.8	6770.0	6834.4	6858.5
17.5°	5888.3	5893.6	6051.8	6298.3	6544.9	6732.5	6831.7	6904.0	6992.5	7048.8	7075.6
20°	6124.1	6134.8	6311.7	6603.9	6885.3	7099.7	7180.1	7153.3	7177.4	7220.3	7252.5
22.5°	6440.4	6445.7	6644.1	6960.3	7255.1	7491.0	7544.6	7434.7	7367.7	7397.2	7418.6
25°	6807.6	6842.4	7040.7	7365.0	7667.9	7893.0	7917.1	7751.0	7584.8	7592.8	7606.2
27.5°	7255.1	7287.3	7488.3	7809.9	8118.2	8313.8	8311.1	8088.7	7844.8	7783.1	7801.9
30°	7740.3	7775.1	7981.5	8313.8	8600.6	8772.1	8734.6	8469.3	8120.8	8005.6	8019.0
32.5°	8316.5	8337.9	8547.0	8879.3	9144.6	9281.3	9203.6	8876.6	8442.5	8311.1	8343.3
35°	9013.3	9045.5	9200.9	9514.5	9747.7	9860.2	9728.9	9343.0	8855.2	8707.8	8729.2
37.5°	9809.3	9787.9	9964.8	10243.5	10436.5	10506.2	10326.6	9868.3	9326.9	9152.7	9184.9
40°	10640.2	10629.4	10822.4	11090.4	11195.0	11237.8	10972.5	10471.3	9871.0	9683.4	9745.0
42.5°	11393.3	11385.2	11645.2	11942.7	12068.7	12020.4	11685.4	11111.9	10500.8	10286.4	10340.0
45°	11996.3	11985.6	12304.5	12722.6	12969.2	12888.8	12438.5	11819.4	11138.7	10916.2	10967.1
47.5°	12460.0	12465.3	12808.4	13325.7	13757.2	13786.7	13207.7	12540.4	11840.9	11588.9	11664.0
50°	12795.0	12811.1	13178.3	13751.8	14341.4	14601.4	13993.0	13280.1	12567.2	12283.1	12368.9
52.5°	12878.1	12907.6	13349.8	14022.5	14716.7	15212.5	14791.7	13990.3	13256.0	12985.3	13055.0
55°	12435.9	12494.8	13055.0	14001.1	14947.2	15614.5	15493.9	14711.3	13950.1	13671.4	13749.1
57.5°	11420.1	11503.2	12157.1	13392.7	14896.2	15890.6	16038.0	15402.8	14644.3	14376.3	14437.9
60°	9996.9	10096.1	10723.3	12071.4	14178.0	15992.4	16421.2	16075.5	15282.2	15022.2	15078.5
62.5°	7850.1	7978.8	8729.2	10310.5	12661.0	15518.0	16748.2	16683.9	15855.7	15531.4	15569.0
65°	5036.0	5172.7	5963.3	7831.4	10637.5	14065.4	16850.1	17276.2	16461.4	16008.5	16064.8
67.5°	3036.6	3098.2	3489.5	4746.5	7775.1	11875.7	15987.1	17932.8	17169.0	16606.2	16649.0
70°	1943.1	1977.9	2211.1	2787.3	4395.4	8664.9	13848.3	18056.1	18026.6	17219.9	17214.6
72.5°	1318.6	1329.4	1391.0	1651.0	2487.2	4923.4	10214.0	16346.2	18562.7	18010.6	17924.8
75°	964.9	1023.8	1123.0	1168.5	1412.4	2460.4	5853.4	11484.4	15644.0	15885.2	15300.9
77.5°	718.3	721.0	857.6	911.2	1007.7	1310.6	2476.5	6410.9	9712.8	10197.9	9096.4
80°	608.4	576.2	573.6	734.4	758.5	817.4	1106.9	2213.8	3478.8	2109.3	1594.7
82.5°	506.5	471.7	426.1	573.6	517.3	501.2	479.7	900.5	1106.9	544.1	463.7
85°	353.8	337.7	321.6	375.2	294.8	251.9	230.5	420.8	466.3	230.5	203.7
87.5°	152.8	158.1	160.8	166.2	123.3	88.4	88.4	117.9	117.9	91.1	67.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)