

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: P947342

Luminaire Tested: **GALN-SB2D-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2D-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14234 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 147.6
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

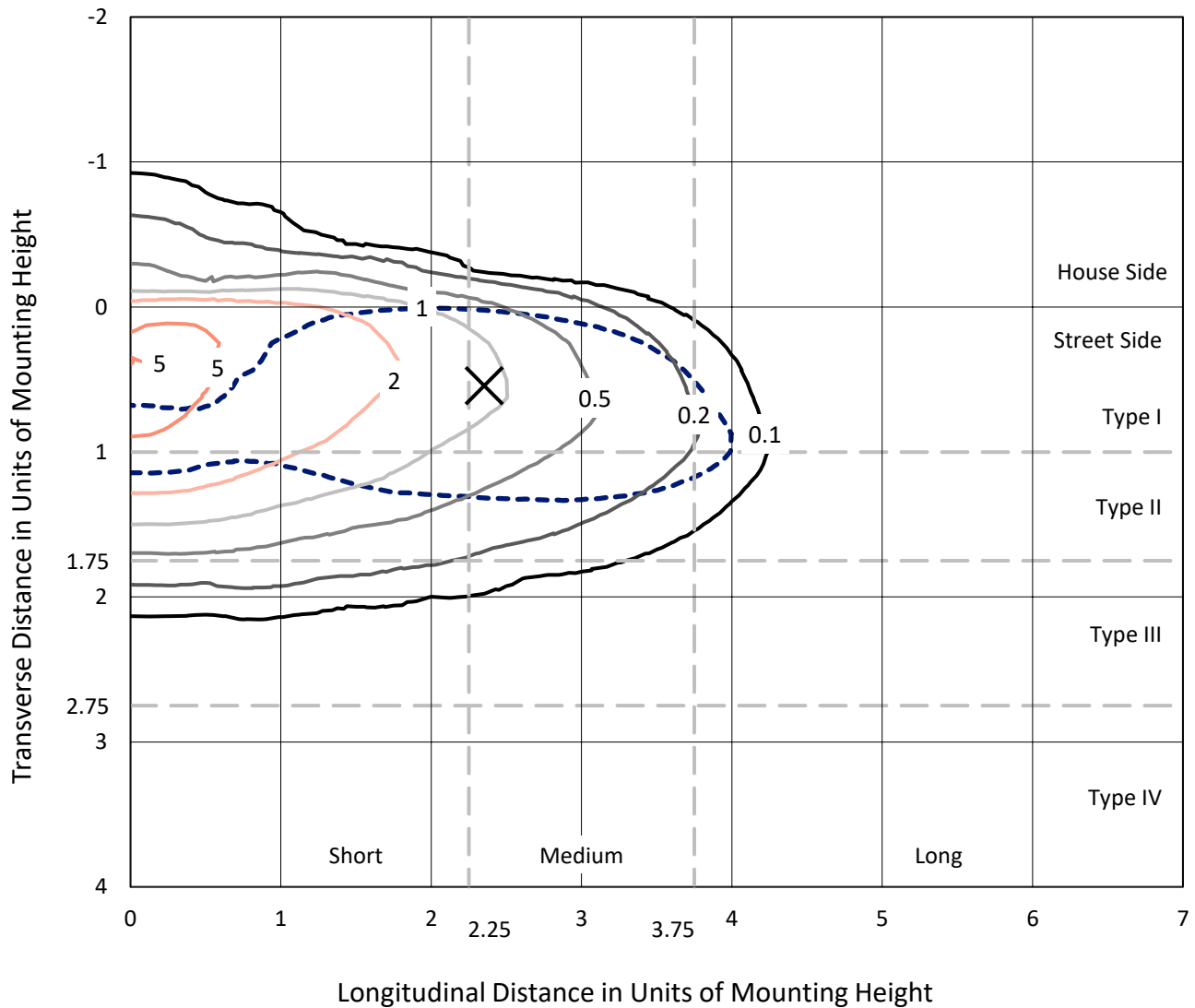


REPORT NUMBER: P947342

CATALOG NUMBER: GALN-SB2D-722-U-T2R-HSS

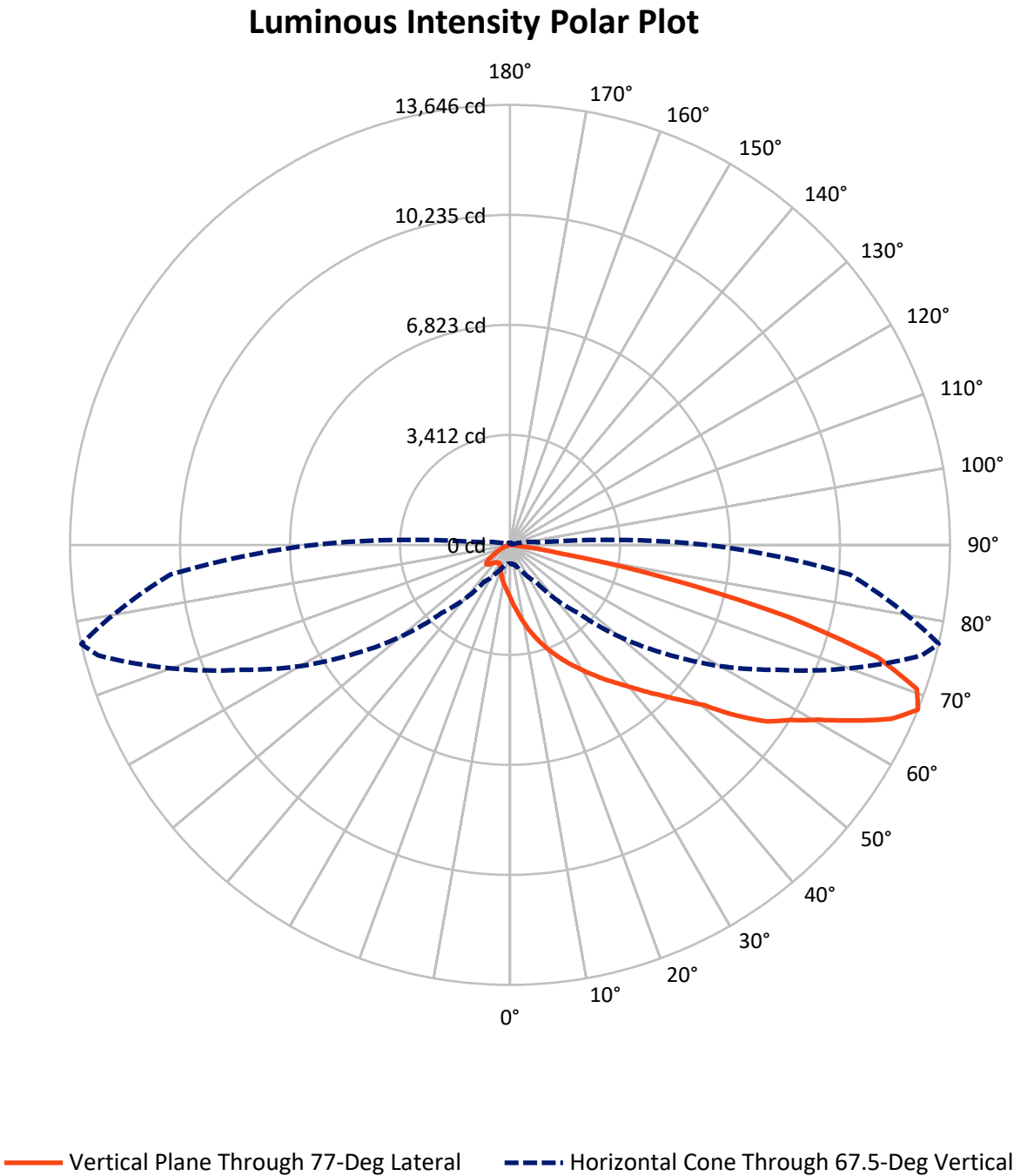
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
Type II - Medium - N/A

REPORT NUMBER: P947342
CATALOG NUMBER: GALN-SB2D-722-U-T2R-HSS



REPORT NUMBER: P947342

CATALOG NUMBER: GALN-SB2D-722-U-T2R-HSS

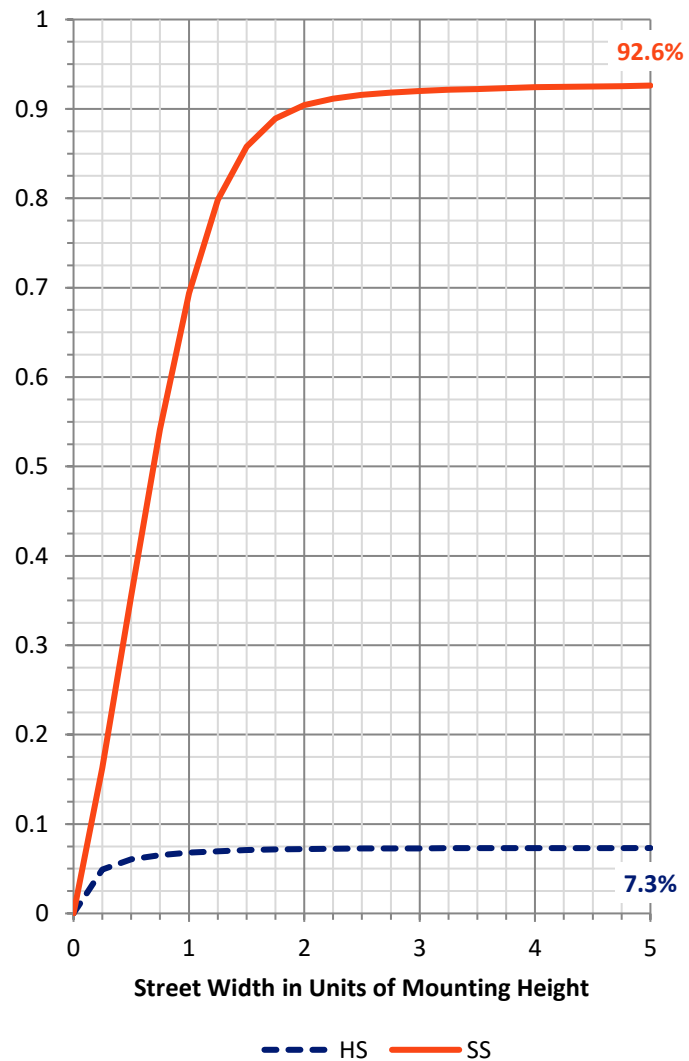
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1047.2	0.0	1047.2
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	13186.8	0.0	13186.8
	% Fixture	92.6	0.0	92.6
Total	Lumens	14234.0	0.0	14234.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.5	1.2
10°-20°	586.7	4.1
20°-30°	1132.1	8.0
30°-40°	1965.4	13.8
40°-50°	2853.7	20.0
50°-60°	3277.1	23.0
60°-70°	2845.1	20.0
70°-80°	1340.1	9.4
80°-90°	66.3	0.5
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°	14234.0	100.0
0°-180°	14234.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947342

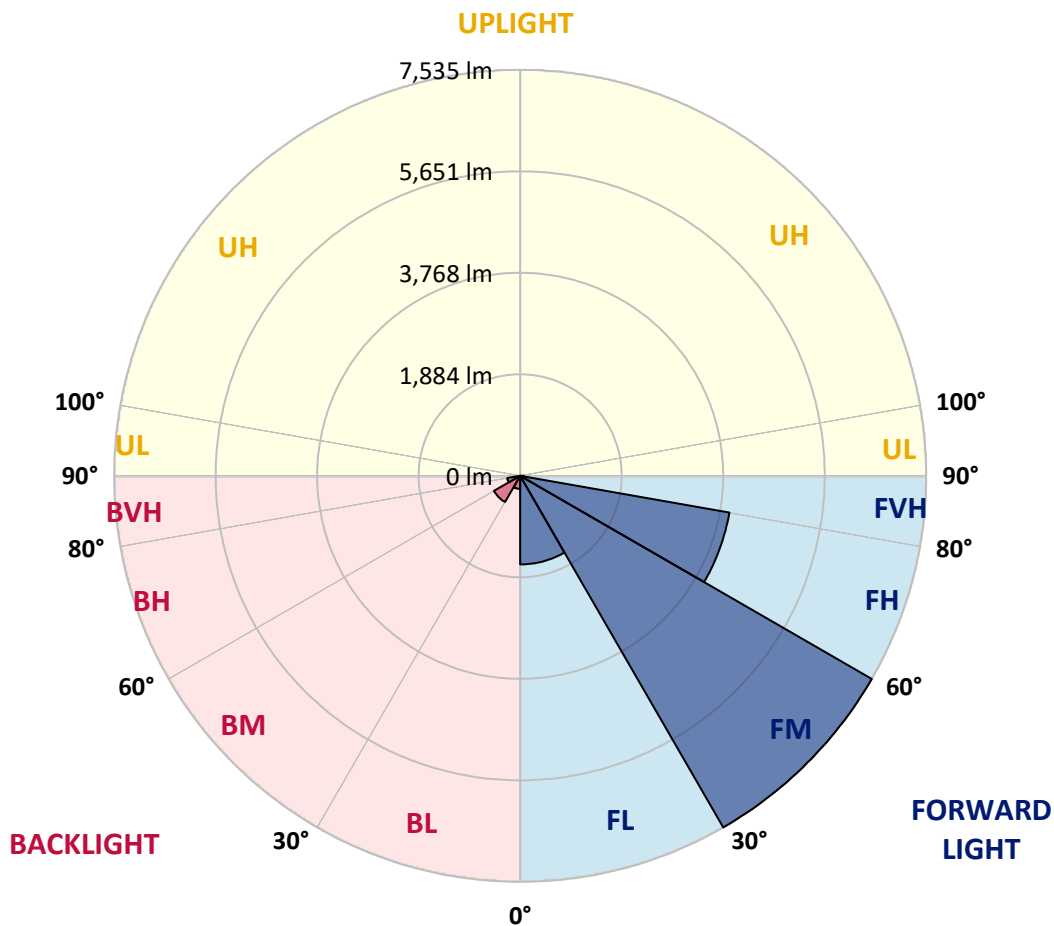
CATALOG NUMBER: GALN-SB2D-722-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1643.9	11.5			
FM	(30°-60°)	7535.1	52.9			
FH	(60°-80°)	3942.8	27.7			G2/5000
FVH	(80°-90°)	65.1	0.5			G1/100
BL	(0°-30°)	242.4	1.7	B1/500		
BM	(30°-60°)	561.1	3.9	B1/1000		
BH	(60°-80°)	242.4	1.7	B1/500		G1/500
BVH	(80°-90°)	1.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



REPORT NUMBER: P947342

CATALOG NUMBER: GALN-SB2D-722-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4
2.5°	2272.5	2286.6	2266.3	2227.4	2169.1	2131.1	2038.3	1950.8	1853.5	1822.6	1725.4
5°	2770.1	2782.5	2759.5	2717.1	2639.3	2565.1	2443.1	2260.1	2070.1	2009.1	1836.7
7.5°	3138.7	3145.8	3136.9	3098.0	3023.8	2939.8	2803.7	2587.2	2305.2	2238.0	1973.7
10°	3403.9	3426.9	3424.2	3409.2	3359.7	3291.6	3146.7	2900.1	2568.6	2482.0	2128.4
12.5°	3579.8	3605.4	3620.4	3654.0	3651.4	3608.1	3480.8	3220.0	2831.1	2729.5	2302.5
15°	3631.0	3658.4	3715.9	3793.7	3862.6	3884.7	3795.4	3533.8	3120.1	2990.2	2481.1
17.5°	3601.9	3644.3	3713.2	3836.1	3987.2	4087.1	4077.4	3837.0	3382.7	3234.2	2656.1
20°	3666.4	3707.0	3761.0	3864.4	4040.3	4221.5	4294.0	4126.9	3643.4	3487.8	2839.9
22.5°	4023.5	4016.4	4021.7	4038.5	4143.7	4323.1	4472.5	4390.3	3901.5	3742.4	3034.4
25°	4589.2	4557.4	4503.4	4412.4	4385.9	4472.5	4628.1	4623.6	4173.7	4003.2	3233.3
27.5°	5238.0	5232.6	5106.3	4887.0	4763.3	4729.7	4804.0	4850.8	4443.3	4261.2	3433.0
30°	5859.3	5873.5	5702.9	5458.9	5231.8	5100.1	5032.9	5066.5	4717.3	4539.7	3639.0
32.5°	6400.3	6415.3	6229.7	5944.2	5663.1	5504.0	5362.6	5279.5	5016.1	4822.5	3865.3
35°	6857.2	6872.3	6659.3	6343.7	6044.1	5900.0	5740.0	5512.8	5316.6	5136.3	4117.2
37.5°	7265.6	7261.2	6975.7	6657.5	6363.1	6249.1	6165.2	5800.1	5626.0	5451.9	4396.5
40°	7506.9	7525.5	7281.5	6930.6	6645.1	6562.0	6556.7	6156.3	5983.1	5814.2	4702.3
42.5°	7577.6	7610.3	7433.5	7145.4	6886.4	6796.3	6935.0	6541.7	6398.5	6234.1	5047.9
45°	7450.3	7482.2	7401.7	7202.0	7050.8	6992.5	7260.3	6941.2	6842.2	6679.6	5437.7
47.5°	7079.1	7118.9	7138.3	7095.9	7094.1	7153.3	7552.0	7361.9	7369.0	7202.8	5889.4
50°	6360.5	6427.7	6606.2	6756.5	6988.9	7280.6	7835.7	7818.0	7963.0	7819.8	6478.1
52.5°	5054.1	5149.6	5764.8	6175.8	6698.1	7256.8	8147.7	8549.9	9005.1	8795.6	7308.0
55°	4061.5	4061.5	4561.8	5330.8	6130.7	7099.4	8283.8	9025.4	9714.9	9665.4	7892.3
57.5°	3311.1	3350.8	3669.9	4349.6	5309.5	6724.7	8367.8	9324.2	10286.7	10250.5	8463.3
60°	2043.6	2129.3	2732.1	3403.0	4375.3	6057.3	8314.8	9626.5	10980.6	11009.8	9150.9
62.5°	1150.8	1182.6	1451.4	2448.4	3402.1	5160.2	7909.1	9795.3	11868.0	11991.8	9859.8
65°	794.6	810.5	913.9	1523.8	2358.2	4108.3	7116.2	9690.1	12757.2	13007.4	10460.9
67.5°	577.2	585.1	649.7	930.7	1399.2	2978.7	5873.5	9159.8	13228.3	13646.4	10575.8
70°	443.7	449.0	495.9	611.7	826.4	1838.5	4265.7	8105.3	12887.2	13386.6	9987.1
72.5°	360.6	365.9	402.2	452.6	548.0	1087.2	2585.4	6582.4	11381.0	11920.2	8502.2
75°	304.1	311.1	343.8	376.5	429.6	698.3	1212.7	4583.9	8558.7	8912.3	5912.4
77.5°	168.8	155.6	279.3	312.0	362.4	441.9	567.5	2697.6	4793.4	4891.5	2623.4
80°	105.2	108.7	221.9	251.0	278.4	222.7	259.9	1038.6	1661.7	1578.6	508.2
82.5°	6.2	14.1	170.6	181.2	190.9	95.5	98.1	352.7	400.4	367.7	90.2
85°	0.0	0.0	77.8	62.8	66.3	27.4	28.3	82.2	53.9	58.3	17.7
87.5°	0.0	0.0	0.0	1.8	0.0	2.7	5.3	7.1	2.7	3.5	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947342

CATALOG NUMBER: GALN-SB2D-722-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4	1641.4
2.5°	1663.5	1601.6	1476.1	1353.2	1253.4	1160.6	1094.3	1031.5	999.7	997.9	996.1
5°	1713.9	1583.9	1332.9	1111.1	932.5	789.3	696.5	630.2	596.6	585.1	583.4
7.5°	1784.6	1589.2	1207.4	898.9	688.6	565.7	512.7	491.4	484.4	476.4	474.7
10°	1873.9	1601.6	1095.1	723.9	542.7	480.8	459.6	450.8	445.5	440.2	438.4
12.5°	1973.7	1613.1	983.8	601.0	477.3	445.5	430.5	419.8	412.8	406.6	404.8
15°	2071.0	1620.2	868.0	515.3	443.7	418.1	402.2	390.7	381.0	373.9	373.0
17.5°	2167.3	1629.9	759.3	464.0	416.3	390.7	374.8	360.6	352.7	344.7	343.8
20°	2274.3	1628.1	656.7	427.8	388.9	363.3	346.5	333.2	325.3	316.4	315.5
22.5°	2373.3	1619.3	566.6	396.9	360.6	335.9	317.3	304.1	296.1	289.0	288.1
25°	2487.3	1612.2	491.4	368.6	334.1	309.4	289.0	276.7	267.8	261.6	260.7
27.5°	2596.9	1601.6	436.6	343.0	308.5	284.6	265.2	251.0	243.1	238.7	238.7
30°	2704.7	1599.0	416.3	318.2	285.5	261.6	242.2	228.9	222.7	221.0	220.1
32.5°	2834.6	1606.0	425.2	309.4	264.3	240.4	221.9	212.1	205.9	205.9	205.9
35°	2973.4	1604.3	438.4	317.3	250.1	219.2	205.1	198.9	192.7	192.7	192.7
37.5°	3147.5	1606.9	449.0	330.6	244.8	201.5	193.6	185.6	182.1	182.1	182.1
40°	3407.4	1694.4	443.7	342.1	243.1	189.2	173.2	170.6	167.9	167.9	167.9
42.5°	3725.6	1884.5	450.8	343.0	242.2	180.3	159.1	164.4	158.2	157.3	156.4
45°	4073.9	2092.2	495.9	324.4	241.3	175.9	152.0	158.2	148.5	148.5	148.5
47.5°	4419.5	2298.1	541.8	297.9	238.7	175.0	145.8	142.3	139.7	140.5	140.5
50°	4895.9	2466.1	559.5	261.6	232.5	173.2	134.4	135.2	133.5	135.2	135.2
52.5°	5414.7	2501.4	538.3	221.0	214.8	167.9	126.4	129.9	129.0	130.8	130.8
55°	5738.2	2463.4	444.6	183.8	187.4	146.7	118.4	125.5	125.5	125.5	125.5
57.5°	6072.3	2301.7	315.5	149.4	155.6	120.2	111.4	121.1	120.2	119.3	119.3
60°	6312.8	2040.0	207.7	122.9	123.7	99.0	103.4	114.0	113.1	108.7	108.7
62.5°	6492.2	1751.0	133.5	104.3	94.6	89.3	94.6	103.4	99.9	90.2	88.4
65°	6471.9	1350.6	102.5	89.3	77.8	77.8	82.2	90.2	79.6	63.6	61.9
67.5°	6094.4	913.9	84.9	75.1	65.4	64.5	68.1	75.1	68.1	53.9	52.1
70°	5420.0	597.5	68.1	58.3	52.1	47.7	54.8	64.5	57.5	43.3	41.5
72.5°	4399.1	364.2	51.3	42.4	38.0	30.9	43.3	53.0	46.0	31.8	30.1
75°	2846.1	185.6	35.4	27.4	20.3	18.6	31.8	39.8	31.8	19.4	16.8
77.5°	1089.0	77.8	19.4	12.4	10.6	8.8	17.7	23.9	13.3	4.4	3.5
80°	209.5	32.7	9.7	6.2	5.3	3.5	2.7	1.8	0.0	0.0	0.0
82.5°	36.2	10.6	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)