

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: P952108

Luminaire Tested: **GALN-SB6A-760-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-760-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28676 lumens
Efficiency: N/A
Efficacy: 167.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

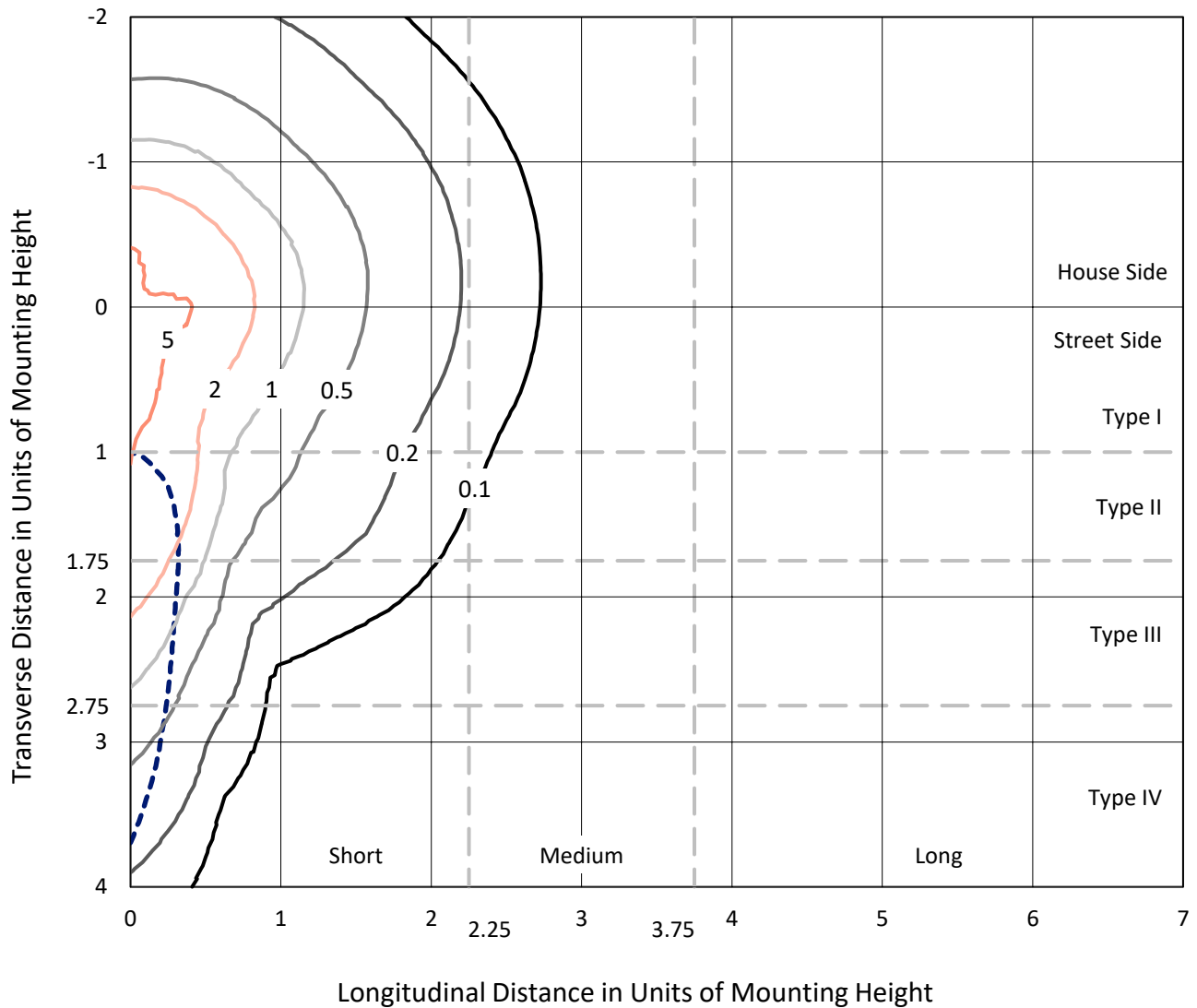
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952108
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Iso-Footcandle Lines of Horizontal Illumination

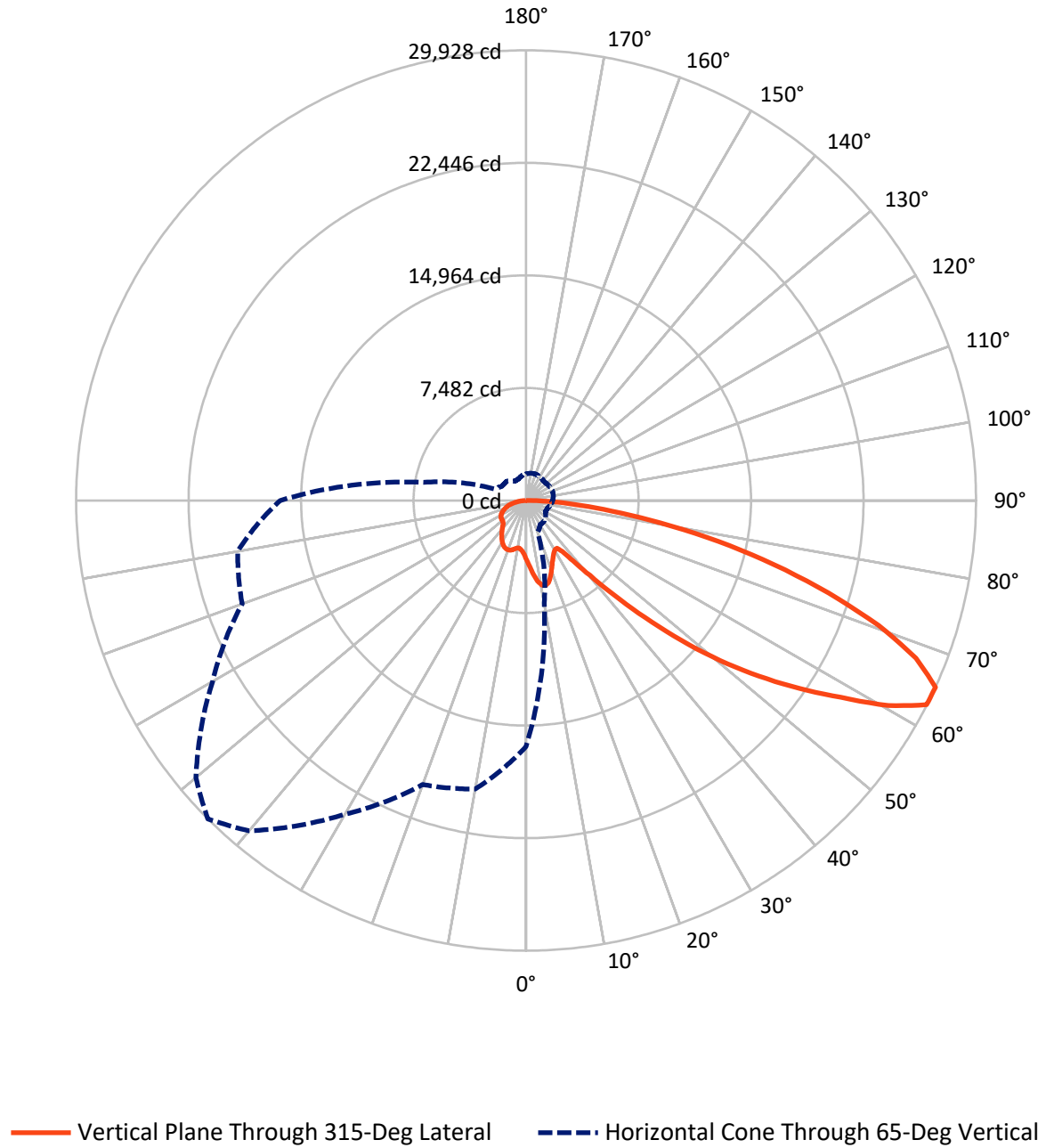
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P952108
CATALOG NUMBER: GALN-SB6A-760-U-SLR

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7288.0	0.0	7288.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	21388.0	0.0	21388.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	28676.0	0.0	28676.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.2	1.4
10°-20°	1227.9	4.3
20°-30°	1896.7	6.6
30°-40°	2403.6	8.4
40°-50°	3625.3	12.6
50°-60°	5857.2	20.4
60°-70°	7302.0	25.5
70°-80°	4788.3	16.7
80°-90°	1183.8	4.1
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°	28676.0	100.0
0°-180°	28676.0	100.0



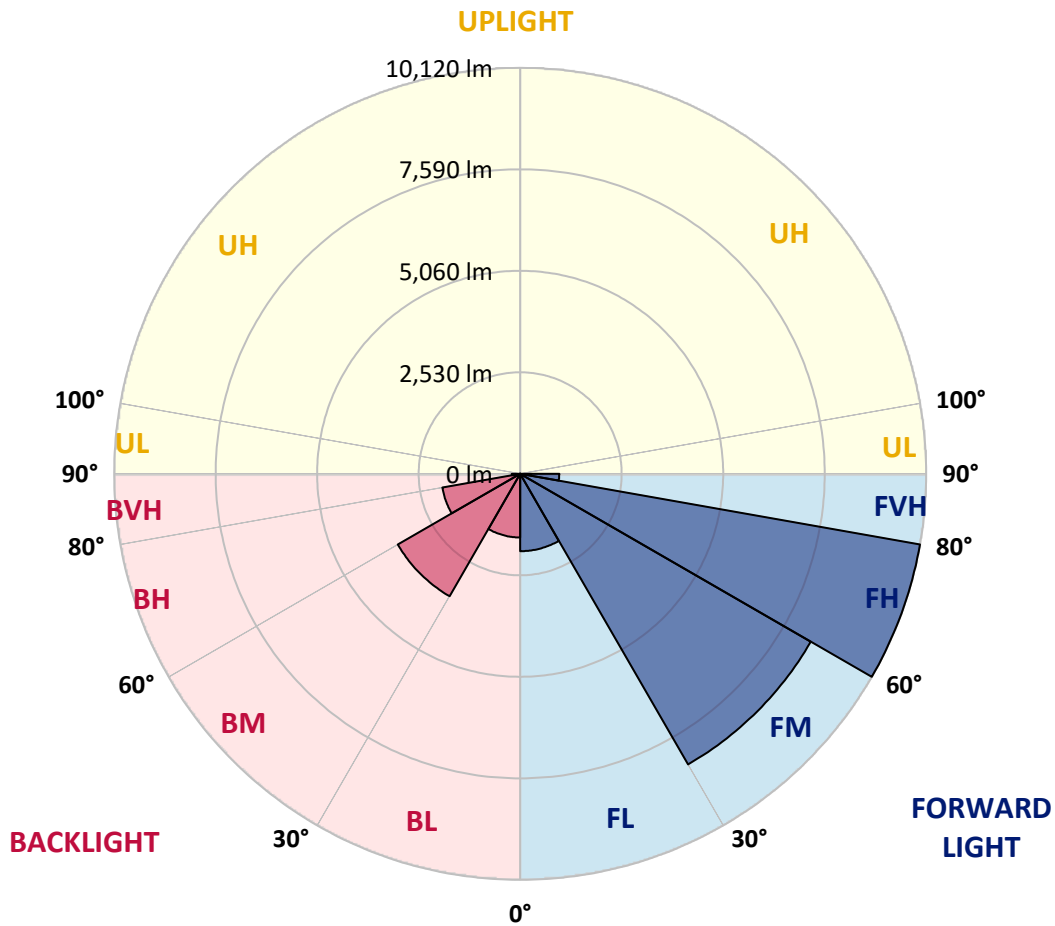
REPORT NUMBER: P952108
 CATALOG NUMBER: GALN-SB6A-760-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1928.8	6.7			
FM (30°-60°)	8364.2	29.2			
FH (60°-80°)	10119.9	35.3			G4/12000
FVH (80°-90°)	975.2	3.4			G5
BL (0°-30°)	1587.1	5.5	B3/2500		
BM (30°-60°)	3522.0	12.3	B3/5000		
BH (60°-80°)	1970.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	208.6	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



REPORT NUMBER: P952108
 CATALOG NUMBER: GALN-SB6A-760-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2
2.5°	4240.5	4208.0	4175.5	4140.8	4106.3	4071.5	4036.7	4003.4	3970.1	3937.9
5°	4559.8	4487.9	4416.0	4344.3	4272.8	4200.6	4128.6	4061.2	3993.9	3930.3
7.5°	4880.6	4761.9	4643.5	4533.9	4424.4	4317.7	4211.0	4117.1	4023.1	3936.4
10°	5126.5	4976.5	4826.6	4681.8	4537.1	4407.6	4277.9	4166.8	4055.5	3948.5
12.5°	5277.0	5112.2	4947.6	4783.6	4619.6	4466.7	4313.9	4188.2	4062.4	3950.0
15°	5368.6	5196.8	5025.1	4847.1	4669.2	4493.2	4317.2	4171.7	4026.1	3901.6
17.5°	5420.0	5245.8	5071.7	4877.6	4683.4	4479.1	4274.9	4099.8	3924.7	3778.3
20°	5476.7	5295.8	5114.7	4901.3	4688.0	4440.4	4192.9	3975.9	3758.9	3588.4
22.5°	5542.6	5357.7	5172.6	4933.4	4694.0	4392.9	4091.8	3830.5	3569.2	3375.0
25°	5627.3	5446.0	5264.9	4991.5	4717.9	4346.0	3974.2	3668.1	3362.2	3163.2
27.5°	5742.3	5569.5	5396.6	5082.3	4767.8	4314.7	3861.5	3519.7	3177.9	2996.7
30°	5897.4	5730.3	5563.4	5199.8	4836.2	4300.0	3763.4	3395.6	3027.8	2875.7
32.5°	6080.5	5915.1	5749.9	5322.6	4895.3	4281.8	3668.1	3288.6	2909.0	2786.4
35°	6302.9	6144.6	5986.2	5462.4	4938.5	4247.6	3557.0	3183.5	2809.9	2707.7
37.5°	6677.4	6475.6	6273.7	5619.0	4964.3	4189.1	3413.9	3059.7	2705.5	2616.2
40°	7243.3	6949.2	6655.0	5817.8	4980.4	4108.4	3236.6	2912.0	2587.4	2506.5
42.5°	7993.8	7569.2	7144.7	6077.9	5011.2	4025.2	3039.6	2749.0	2458.5	2383.9
45°	8920.6	8347.9	7775.2	6420.2	5065.2	3947.9	2830.7	2575.9	2321.1	2245.5
47.5°	10079.7	9273.6	8467.4	6784.8	5102.2	3884.0	2665.8	2439.0	2212.2	2114.6
50°	11598.8	10383.7	9168.3	7123.2	5078.0	3814.4	2550.8	2348.1	2145.3	2017.0
52.5°	13342.7	11549.7	9756.6	7342.9	4929.0	3696.9	2464.9	2288.1	2111.6	1964.0
55°	15199.3	12583.4	9967.7	7294.5	4621.1	3502.0	2382.9	2244.7	2106.6	1969.3
57.5°	16888.0	13316.1	9744.2	6953.7	4163.4	3227.2	2290.9	2193.3	2095.7	1974.6
60°	17908.6	13499.2	9089.6	6319.6	3549.5	2870.4	2191.3	2114.6	2037.9	1958.0
62.5°	17390.3	12728.2	8066.2	5462.1	2858.0	2443.4	2028.8	1977.8	1927.0	1917.1
65°	16353.1	11637.4	6921.8	4587.2	2252.7	2059.2	1865.7	1841.6	1817.6	1818.8
67.5°	14963.3	10339.3	5715.4	3730.1	1744.9	1690.0	1634.9	1648.4	1661.7	1658.4
70°	13293.5	8922.9	4552.2	2937.0	1321.7	1337.4	1353.0	1415.4	1477.6	1477.6
72.5°	11303.8	7387.4	3471.1	2245.3	1019.5	1066.9	1114.4	1202.8	1291.0	1305.8
75°	8786.7	5627.2	2467.6	1629.6	791.7	834.6	877.6	976.6	1075.5	1143.9
77.5°	6277.9	3938.5	1599.1	1104.3	609.5	638.7	668.0	764.1	860.2	972.9
80°	4108.9	2537.5	966.1	711.5	457.0	469.1	481.2	562.6	643.8	778.5
82.5°	2388.5	1468.6	549.0	437.6	326.5	328.7	331.1	391.0	450.9	565.9
85°	1050.9	660.6	270.5	233.9	197.5	196.4	195.2	239.1	283.0	368.4
87.5°	325.3	216.4	107.4	97.0	86.6	85.5	84.4	102.3	120.3	155.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952108
 CATALOG NUMBER: GALN-SB6A-760-U-SLR

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
3943.2	0°	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2
3902.0	2.5°	3873.0	3844.1	3817.9	3791.9	3769.0	3746.2	3723.2	3700.3	3682.6	3664.8
3867.5	5°	3812.8	3757.8	3711.8	3666.0	3625.4	3584.9	3548.1	3511.2	3482.9	3454.5
3855.1	7.5°	3782.2	3709.4	3648.9	3588.4	3537.4	3486.2	3441.1	3396.2	3362.5	3328.9
3861.2	10°	3784.3	3707.5	3646.9	3586.4	3531.5	3476.4	3425.7	3375.0	3334.8	3294.4
3868.8	12.5°	3805.8	3743.2	3702.9	3663.0	3619.7	3576.7	3524.2	3471.9	3420.4	3369.0
3836.5	15°	3806.4	3776.5	3781.9	3787.3	3776.1	3765.0	3719.4	3673.9	3600.6	3527.4
3738.2	17.5°	3749.2	3760.1	3826.1	3892.1	3927.2	3962.1	3925.3	3888.7	3791.7	3694.7
3577.8	20°	3629.2	3680.7	3795.2	3909.9	3983.3	4056.7	4039.7	4022.6	3911.7	3801.0
3395.7	22.5°	3471.9	3548.0	3678.7	3809.7	3905.2	4000.7	4011.0	4021.1	3915.2	3809.3
3219.2	25°	3306.9	3394.7	3512.3	3630.0	3723.9	3817.9	3853.0	3888.0	3801.1	3714.4
3064.8	27.5°	3149.6	3234.3	3331.0	3427.5	3502.9	3578.2	3617.3	3656.5	3594.6	3532.8
2929.1	30°	2996.3	3063.8	3144.0	3224.2	3286.7	3349.3	3381.1	3412.8	3365.8	3318.6
2810.2	32.5°	2850.0	2889.8	2953.8	3017.9	3077.8	3137.9	3173.2	3208.6	3165.3	3121.9
2697.9	35°	2708.8	2719.8	2768.7	2817.4	2876.7	2936.2	2978.6	3020.9	2990.1	2959.4
2580.2	37.5°	2568.1	2556.0	2591.1	2626.0	2685.2	2744.5	2796.9	2849.2	2835.0	2820.8
2451.3	40°	2423.9	2396.5	2421.8	2447.0	2504.2	2561.4	2621.6	2682.0	2685.5	2688.8
2314.3	42.5°	2278.0	2241.7	2262.3	2283.0	2337.2	2391.5	2456.6	2521.6	2539.0	2556.4
2178.1	45°	2142.7	2107.5	2124.7	2142.3	2193.7	2245.2	2312.7	2380.1	2405.1	2430.1
2056.6	47.5°	2027.0	1997.3	2013.7	2029.9	2080.2	2130.5	2197.1	2263.6	2292.4	2321.1
1949.7	50°	1923.3	1897.2	1922.6	1948.1	1995.7	2043.0	2102.6	2162.3	2199.2	2236.1
1869.9	52.5°	1843.9	1818.0	1856.3	1894.4	1938.0	1981.4	2037.0	2092.6	2136.4	2180.1
1827.5	55°	1786.4	1745.4	1799.7	1853.9	1900.8	1947.7	1996.4	2045.0	2091.3	2137.7
1802.1	57.5°	1742.2	1682.3	1740.7	1799.1	1854.2	1909.3	1957.4	2005.6	2052.4	2099.0
1778.2	60°	1700.6	1622.8	1674.1	1725.3	1788.5	1851.8	1900.6	1949.7	1996.6	2043.5
1750.4	62.5°	1653.2	1556.2	1588.8	1621.3	1695.0	1768.8	1821.0	1873.2	1916.2	1959.2
1691.7	65°	1588.5	1485.1	1497.7	1510.1	1589.1	1668.2	1718.2	1768.1	1805.9	1843.7
1587.0	67.5°	1501.0	1415.1	1411.1	1407.2	1480.1	1553.2	1600.6	1647.8	1680.5	1713.2
1454.1	70°	1393.0	1331.9	1318.2	1304.6	1368.8	1432.9	1473.8	1514.6	1544.1	1573.6
1306.1	72.5°	1264.2	1222.3	1202.3	1182.5	1233.0	1283.4	1320.4	1357.3	1386.2	1415.1
1138.2	75°	1105.9	1073.6	1054.5	1035.3	1072.8	1110.3	1143.8	1177.2	1203.5	1229.9
969.9	77.5°	944.0	918.2	898.8	879.4	910.0	940.4	969.2	997.9	1025.6	1053.1
778.0	80°	756.4	734.6	718.4	702.1	727.5	752.8	777.0	801.2	822.2	843.1
572.3	82.5°	561.7	551.1	539.6	528.1	526.0	523.8	515.4	506.9	551.7	596.5
376.8	85°	365.4	354.1	341.2	328.3	317.5	306.4	283.0	259.5	301.4	343.5
166.4	87.5°	161.9	157.4	154.9	152.5	152.1	151.6	133.8	115.8	133.3	151.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952108
 CATALOG NUMBER: GALN-SB6A-760-U-SLR

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3943.2	0°	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2
3650.4	2.5°	3636.0	3624.8	3613.6	3603.3	3592.9	3580.0	3592.9	3603.3	3613.6	3624.8
3434.6	5°	3414.8	3400.7	3386.7	3375.9	3365.2	3354.6	3365.2	3375.9	3386.7	3400.7
3305.3	7.5°	3281.7	3265.5	3249.4	3239.7	3230.2	3223.0	3230.2	3239.7	3249.4	3265.5
3268.0	10°	3241.4	3226.1	3210.8	3202.7	3194.5	3191.2	3194.5	3202.7	3210.8	3226.1
3334.9	12.5°	3300.9	3283.8	3266.8	3259.9	3252.9	3251.7	3252.9	3259.9	3266.8	3283.8
3475.6	15°	3423.9	3400.1	3376.5	3367.5	3358.4	3357.6	3358.4	3367.5	3376.5	3400.1
3618.5	17.5°	3542.2	3507.1	3471.9	3460.4	3448.7	3446.9	3448.7	3460.4	3471.9	3507.1
3707.5	20°	3614.1	3569.2	3524.1	3509.7	3495.3	3490.8	3495.3	3509.7	3524.1	3569.2
3713.1	22.5°	3616.7	3569.3	3521.8	3505.9	3490.0	3483.2	3490.0	3505.9	3521.8	3569.3
3628.8	25°	3543.4	3502.3	3461.3	3446.3	3431.5	3422.7	3431.5	3446.3	3461.3	3502.3
3466.4	27.5°	3400.0	3372.4	3344.8	3337.9	3331.1	3328.9	3331.1	3337.9	3344.8	3372.4
3271.1	30°	3223.3	3209.2	3195.0	3195.0	3195.0	3197.2	3195.0	3195.0	3195.0	3209.2
3083.9	32.5°	3045.9	3036.7	3027.5	3028.7	3030.0	3032.3	3030.0	3028.7	3027.5	3036.7
2924.3	35°	2889.3	2875.2	2861.3	2858.3	2855.3	2853.7	2855.3	2858.3	2861.3	2875.2
2788.5	37.5°	2756.2	2730.6	2705.2	2691.7	2678.2	2670.7	2678.2	2691.7	2705.2	2730.6
2661.4	40°	2634.0	2596.8	2559.9	2534.8	2510.0	2495.1	2510.0	2534.8	2559.9	2596.8
2533.3	42.5°	2510.3	2464.1	2418.0	2381.5	2345.0	2321.1	2345.0	2381.5	2418.0	2464.1
2409.2	45°	2388.5	2335.7	2283.0	2240.2	2197.4	2169.8	2197.4	2240.2	2283.0	2335.7
2306.6	47.5°	2292.1	2245.2	2198.3	2158.6	2119.1	2092.6	2119.1	2158.6	2198.3	2245.2
2235.2	50°	2234.6	2197.1	2159.5	2122.9	2086.3	2060.9	2086.3	2122.9	2159.5	2197.1
2188.0	52.5°	2195.8	2165.3	2134.7	2101.9	2069.2	2045.7	2069.2	2101.9	2134.7	2165.3
2148.6	55°	2159.5	2132.9	2106.3	2077.5	2048.8	2027.6	2048.8	2077.5	2106.3	2132.9
2110.0	57.5°	2121.1	2094.2	2067.2	2038.8	2010.2	1988.2	2010.2	2038.8	2067.2	2094.2
2055.6	60°	2067.7	2041.4	2015.2	1985.8	1956.5	1933.8	1956.5	1985.8	2015.2	2041.4
1970.8	62.5°	1982.5	1958.7	1935.0	1904.1	1873.2	1846.0	1873.2	1904.1	1935.0	1958.7
1855.7	65°	1867.5	1844.6	1821.8	1791.8	1762.0	1738.6	1762.0	1791.8	1821.8	1844.6
1724.8	67.5°	1736.3	1715.3	1694.4	1666.6	1638.7	1617.5	1638.7	1666.6	1694.4	1715.3
1584.8	70°	1596.0	1578.9	1561.8	1535.2	1508.6	1484.4	1508.6	1535.2	1561.8	1578.9
1428.4	72.5°	1441.7	1427.5	1413.3	1387.8	1362.6	1339.1	1362.6	1387.8	1413.3	1427.5
1243.8	75°	1257.7	1250.7	1243.8	1222.5	1201.1	1178.7	1201.1	1222.5	1243.8	1250.7
1066.1	77.5°	1079.2	1069.5	1059.5	1038.0	1016.5	998.7	1016.5	1038.0	1059.5	1069.5
860.4	80°	877.6	873.4	869.3	840.4	811.3	777.7	811.3	840.4	869.3	873.4
625.8	82.5°	655.2	653.4	651.4	627.0	602.5	581.0	602.5	627.0	651.4	653.4
379.8	85°	416.1	413.1	410.1	391.0	371.9	352.6	371.9	391.0	410.1	413.1
165.7	87.5°	180.4	176.7	172.8	163.1	153.1	143.7	153.1	163.1	172.8	176.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952108
 CATALOG NUMBER: GALN-SB6A-760-U-SLR

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3943.2	0°	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2
3636.0	2.5°	3650.4	3664.8	3682.6	3700.3	3723.2	3746.2	3769.0	3791.9	3817.9	3844.1
3414.8	5°	3434.6	3454.5	3482.9	3511.2	3548.1	3584.9	3625.4	3666.0	3711.8	3757.8
3281.7	7.5°	3305.3	3328.9	3362.5	3396.2	3441.1	3486.2	3537.4	3588.4	3648.9	3709.4
3241.4	10°	3268.0	3294.4	3334.8	3375.0	3425.7	3476.4	3531.5	3586.4	3646.9	3707.5
3300.9	12.5°	3334.9	3369.0	3420.4	3471.9	3524.2	3576.7	3619.7	3663.0	3702.9	3743.2
3423.9	15°	3475.6	3527.4	3600.6	3673.9	3719.4	3765.0	3776.1	3787.3	3781.9	3776.5
3542.2	17.5°	3618.5	3694.7	3791.7	3888.7	3925.3	3962.1	3927.2	3892.1	3826.1	3760.1
3614.1	20°	3707.5	3801.0	3911.7	4022.6	4039.7	4056.7	3983.3	3909.9	3795.2	3680.7
3616.7	22.5°	3713.1	3809.3	3915.2	4021.1	4011.0	4000.7	3905.2	3809.7	3678.7	3548.0
3543.4	25°	3628.8	3714.4	3801.1	3888.0	3853.0	3817.9	3723.9	3630.0	3512.3	3394.7
3400.0	27.5°	3466.4	3532.8	3594.6	3656.5	3617.3	3578.2	3502.9	3427.5	3331.0	3234.3
3223.3	30°	3271.1	3318.6	3365.8	3412.8	3381.1	3349.3	3286.7	3224.2	3144.0	3063.8
3045.9	32.5°	3083.9	3121.9	3165.3	3208.6	3173.2	3137.9	3077.8	3017.9	2953.8	2889.8
2889.3	35°	2924.3	2959.4	2990.1	3020.9	2978.6	2936.2	2876.7	2817.4	2768.7	2719.8
2756.2	37.5°	2788.5	2820.8	2835.0	2849.2	2796.9	2744.5	2685.2	2626.0	2591.1	2556.0
2634.0	40°	2661.4	2688.8	2685.5	2682.0	2621.6	2561.4	2504.2	2447.0	2421.8	2396.5
2510.3	42.5°	2533.3	2556.4	2539.0	2521.6	2456.6	2391.5	2337.2	2283.0	2262.3	2241.7
2388.5	45°	2409.2	2430.1	2405.1	2380.1	2312.7	2245.2	2193.7	2142.3	2124.7	2107.5
2292.1	47.5°	2306.6	2321.1	2292.4	2263.6	2197.1	2130.5	2080.2	2029.9	2013.7	1997.3
2234.6	50°	2235.2	2236.1	2199.2	2162.3	2102.6	2043.0	1995.7	1948.1	1922.6	1897.2
2195.8	52.5°	2188.0	2180.1	2136.4	2092.6	2037.0	1981.4	1938.0	1894.4	1856.3	1818.0
2159.5	55°	2148.6	2137.7	2091.3	2045.0	1996.4	1947.7	1900.8	1853.9	1799.7	1745.4
2121.1	57.5°	2110.0	2099.0	2052.4	2005.6	1957.4	1909.3	1854.2	1799.1	1740.7	1682.3
2067.7	60°	2055.6	2043.5	1996.6	1949.7	1900.6	1851.8	1788.5	1725.3	1674.1	1622.8
1982.5	62.5°	1970.8	1959.2	1916.2	1873.2	1821.0	1768.8	1695.0	1621.3	1588.8	1556.2
1867.5	65°	1855.7	1843.7	1805.9	1768.1	1718.2	1668.2	1589.1	1510.1	1497.7	1485.1
1736.3	67.5°	1724.8	1713.2	1680.5	1647.8	1600.6	1553.2	1480.1	1407.2	1411.1	1415.1
1596.0	70°	1584.8	1573.6	1544.1	1514.6	1473.8	1432.9	1368.8	1304.6	1318.2	1331.9
1441.7	72.5°	1428.4	1415.1	1386.2	1357.3	1320.4	1283.4	1233.0	1182.5	1202.3	1222.3
1257.7	75°	1243.8	1229.9	1203.5	1177.2	1143.8	1110.3	1072.8	1035.3	1054.5	1073.6
1079.2	77.5°	1066.1	1053.1	1025.6	997.9	969.2	940.4	910.0	879.4	898.8	918.2
877.6	80°	860.4	843.1	822.2	801.2	777.0	752.8	727.5	702.1	718.4	734.6
655.2	82.5°	625.8	596.5	551.7	506.9	515.4	523.8	526.0	528.1	539.6	551.1
416.1	85°	379.8	343.5	301.4	259.5	283.0	306.4	317.5	328.3	341.2	354.1
180.4	87.5°	165.7	151.0	133.3	115.8	133.8	151.6	152.1	152.5	154.9	157.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952108
 CATALOG NUMBER: GALN-SB6A-760-U-SLR

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3943.2	0°	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2
3873.0	2.5°	3902.0	3937.9	3970.1	4003.4	4036.7	4071.5	4106.3	4140.8	4175.5	4208.0
3812.8	5°	3867.5	3930.3	3993.9	4061.2	4128.6	4200.6	4272.8	4344.3	4416.0	4487.9
3782.2	7.5°	3855.1	3936.4	4023.1	4117.1	4211.0	4317.7	4424.4	4533.9	4643.5	4761.9
3784.3	10°	3861.2	3948.5	4055.5	4166.8	4277.9	4407.6	4537.1	4681.8	4826.6	4976.5
3805.8	12.5°	3868.8	3950.0	4062.4	4188.2	4313.9	4466.7	4619.6	4783.6	4947.6	5112.2
3806.4	15°	3836.5	3901.6	4026.1	4171.7	4317.2	4493.2	4669.2	4847.1	5025.1	5196.8
3749.2	17.5°	3738.2	3778.3	3924.7	4099.8	4274.9	4479.1	4683.4	4877.6	5071.7	5245.8
3629.2	20°	3577.8	3588.4	3758.9	3975.9	4192.9	4440.4	4688.0	4901.3	5114.7	5295.8
3471.9	22.5°	3395.7	3375.0	3569.2	3830.5	4091.8	4392.9	4694.0	4933.4	5172.6	5357.7
3306.9	25°	3219.2	3163.2	3362.2	3668.1	3974.2	4346.0	4717.9	4991.5	5264.9	5446.0
3149.6	27.5°	3064.8	2996.7	3177.9	3519.7	3861.5	4314.7	4767.8	5082.3	5396.6	5569.5
2996.3	30°	2929.1	2875.7	3027.8	3395.6	3763.4	4300.0	4836.2	5199.8	5563.4	5730.3
2850.0	32.5°	2810.2	2786.4	2909.0	3288.6	3668.1	4281.8	4895.3	5322.6	5749.9	5915.1
2708.8	35°	2697.9	2707.7	2809.9	3183.5	3557.0	4247.6	4938.5	5462.4	5986.2	6144.6
2568.1	37.5°	2580.2	2616.2	2705.5	3059.7	3413.9	4189.1	4964.3	5619.0	6273.7	6475.6
2423.9	40°	2451.3	2506.5	2587.4	2912.0	3236.6	4108.4	4980.4	5817.8	6655.0	6949.2
2278.0	42.5°	2314.3	2383.9	2458.5	2749.0	3039.6	4025.2	5011.2	6077.9	7144.7	7569.2
2142.7	45°	2178.1	2245.5	2321.1	2575.9	2830.7	3947.9	5065.2	6420.2	7775.2	8347.9
2027.0	47.5°	2056.6	2114.6	2212.2	2439.0	2665.8	3884.0	5102.2	6784.8	8467.4	9273.6
1923.3	50°	1949.7	2017.0	2145.3	2348.1	2550.8	3814.4	5078.0	7123.2	9168.3	10383.7
1843.9	52.5°	1869.9	1964.0	2111.6	2288.1	2464.9	3696.9	4929.0	7342.9	9756.6	11549.7
1786.4	55°	1827.5	1969.3	2106.6	2244.7	2382.9	3502.0	4621.1	7294.5	9967.7	12583.4
1742.2	57.5°	1802.1	1974.6	2095.7	2193.3	2290.9	3227.2	4163.4	6953.7	9744.2	13316.1
1700.6	60°	1778.2	1958.0	2037.9	2114.6	2191.3	2870.4	3549.5	6319.6	9089.6	13499.2
1653.2	62.5°	1750.4	1917.1	1927.0	1977.8	2028.8	2443.4	2858.0	5462.1	8066.2	12728.2
1588.5	65°	1691.7	1818.8	1817.6	1841.6	1865.7	2059.2	2252.7	4587.2	6921.8	11637.4
1501.0	67.5°	1587.0	1658.4	1661.7	1648.4	1634.9	1690.0	1744.9	3730.1	5715.4	10339.3
1393.0	70°	1454.1	1477.6	1477.6	1415.4	1353.0	1337.4	1321.7	2937.0	4552.2	8922.9
1264.2	72.5°	1306.1	1305.8	1291.0	1202.8	1114.4	1066.9	1019.5	2245.3	3471.1	7387.4
1105.9	75°	1138.2	1143.9	1075.5	976.6	877.6	834.6	791.7	1629.6	2467.6	5627.2
944.0	77.5°	969.9	972.9	860.2	764.1	668.0	638.7	609.5	1104.3	1599.1	3938.5
756.4	80°	778.0	778.5	643.8	562.6	481.2	469.1	457.0	711.5	966.1	2537.5
561.7	82.5°	572.3	565.9	450.9	391.0	331.1	328.7	326.5	437.6	549.0	1468.6
365.4	85°	376.8	368.4	283.0	239.1	195.2	196.4	197.5	233.9	270.5	660.6
161.9	87.5°	166.4	155.9	120.3	102.3	84.4	85.5	86.6	97.0	107.4	216.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952108
 CATALOG NUMBER: GALN-SB6A-760-U-SLR

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3943.2	0°	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2
4240.5	2.5°	4256.6	4272.8	4295.6	4318.5	4332.1	4345.7	4352.5	4359.3	4356.3	4359.3
4559.8	5°	4615.9	4672.2	4727.9	4783.7	4814.0	4844.3	4862.6	4881.0	4895.0	4881.0
4880.6	7.5°	4972.0	5063.2	5145.4	5227.5	5277.0	5326.5	5353.3	5379.9	5392.8	5379.9
5126.5	10°	5234.5	5342.5	5438.9	5535.3	5593.7	5651.8	5677.8	5703.7	5713.6	5703.7
5277.0	12.5°	5394.1	5511.1	5598.3	5685.1	5727.5	5769.8	5784.1	5798.3	5799.8	5798.3
5368.6	15°	5469.6	5570.6	5625.2	5680.0	5681.5	5683.0	5667.9	5652.7	5634.9	5652.7
5420.0	17.5°	5488.2	5556.5	5557.5	5558.5	5497.2	5435.9	5379.8	5323.5	5283.8	5323.5
5476.7	20°	5500.5	5524.4	5452.5	5380.7	5245.4	5110.1	5011.6	4913.1	4852.6	4913.1
5542.6	22.5°	5511.4	5480.2	5331.3	5182.4	4983.5	4784.5	4661.3	4538.2	4471.3	4538.2
5627.3	25°	5528.9	5430.6	5204.5	4978.5	4736.8	4495.2	4365.7	4236.4	4173.2	4236.4
5742.3	27.5°	5566.5	5390.5	5091.1	4791.8	4523.9	4256.1	4128.7	4001.5	3941.7	4001.5
5897.4	30°	5635.2	5373.1	5004.5	4635.9	4356.9	4077.9	3959.7	3841.5	3785.8	3841.5
6080.5	32.5°	5721.4	5362.5	4945.5	4528.5	4266.2	4004.0	3911.3	3818.4	3778.3	3818.4
6302.9	35°	5863.5	5424.2	4989.7	4555.3	4373.1	4191.0	4169.4	4147.8	4144.4	4147.8
6677.4	37.5°	6160.5	5643.6	5248.7	4853.8	4842.0	4830.2	4929.1	5028.1	5079.6	5028.1
7243.3	40°	6681.2	6119.1	5825.4	5531.7	5739.0	5946.3	6186.9	6427.4	6547.3	6427.4
7993.8	42.5°	7436.1	6878.4	6709.2	6540.0	6992.1	7444.3	7881.9	8319.4	8576.4	8319.4
8920.6	45°	8419.6	7918.5	7843.9	7769.1	8493.5	9217.9	9937.0	10656.2	11092.7	10656.2
10079.7	47.5°	9592.3	9104.8	9089.6	9074.5	10119.5	11164.1	12216.8	13269.3	13887.4	13269.3
11598.8	50°	10996.8	10394.8	10397.4	10400.0	11746.7	13093.4	14482.9	15872.4	16712.4	15872.4
13342.7	52.5°	12613.7	11884.8	11811.1	11737.3	13345.9	14954.5	16673.7	18392.8	19399.7	18392.8
15199.3	55°	14479.1	13758.8	13471.5	13184.1	14974.5	16764.6	18814.2	20863.7	22061.3	20863.7
16888.0	57.5°	16495.8	16103.4	15527.1	14950.9	16758.6	18566.3	20887.7	23209.0	24694.2	23209.0
17908.6	60°	18517.7	19127.1	18411.4	17695.7	19406.4	21117.1	23602.6	26088.0	27693.2	26088.0
17390.3	62.5°	19054.9	20719.5	20638.8	20558.0	22125.2	23692.5	26057.2	28421.7	29905.4	28421.7
16353.1	65°	17915.4	19477.7	19786.8	20095.8	22087.4	24079.1	26372.1	28664.9	29928.0	28664.9
14963.3	67.5°	16449.2	17935.0	18080.0	18224.8	20299.9	22374.8	24677.7	26980.5	27970.1	26980.5
13293.5	70°	14909.7	16526.0	16590.8	16655.7	18511.4	20366.9	22348.7	24330.3	24880.3	24330.3
11303.8	72.5°	13158.4	15013.2	15059.8	15106.3	16558.1	18009.9	19494.2	20978.2	21033.9	20978.2
8786.7	75°	10706.2	12625.8	12798.1	12970.5	14100.0	15229.6	16274.4	17319.2	17039.3	17319.2
6277.9	77.5°	8069.8	9861.8	10108.4	10355.1	11213.8	12072.4	12813.4	13554.6	13073.4	13554.6
4108.9	80°	5616.4	7123.8	7430.3	7736.9	8385.4	9033.6	9422.8	9811.8	9037.9	9811.8
2388.5	82.5°	3419.1	4449.8	4792.2	5134.8	5581.2	6027.5	6189.9	6352.1	5743.8	6352.1
1050.9	85°	1597.9	2144.9	2436.1	2727.4	3094.2	3460.8	3553.0	3645.1	3157.9	3645.1
325.3	87.5°	509.2	693.0	855.5	1018.0	1201.4	1384.8	1392.7	1400.4	1175.7	1400.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952108
 CATALOG NUMBER: GALN-SB6A-760-U-SLR

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
3943.2	0°	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2	3943.2
4352.5	2.5°	4345.7	4332.1	4318.5	4295.6	4272.8	4256.6	4240.5
4862.6	5°	4844.3	4814.0	4783.7	4727.9	4672.2	4615.9	4559.8
5353.3	7.5°	5326.5	5277.0	5227.5	5145.4	5063.2	4972.0	4880.6
5677.8	10°	5651.8	5593.7	5535.3	5438.9	5342.5	5234.5	5126.5
5784.1	12.5°	5769.8	5727.5	5685.1	5598.3	5511.1	5394.1	5277.0
5667.9	15°	5683.0	5681.5	5680.0	5625.2	5570.6	5469.6	5368.6
5379.8	17.5°	5435.9	5497.2	5558.5	5557.5	5556.5	5488.2	5420.0
5011.6	20°	5110.1	5245.4	5380.7	5452.5	5524.4	5500.5	5476.7
4661.3	22.5°	4784.5	4983.5	5182.4	5331.3	5480.2	5511.4	5542.6
4365.7	25°	4495.2	4736.8	4978.5	5204.5	5430.6	5528.9	5627.3
4128.7	27.5°	4256.1	4523.9	4791.8	5091.1	5390.5	5566.5	5742.3
3959.7	30°	4077.9	4356.9	4635.9	5004.5	5373.1	5635.2	5897.4
3911.3	32.5°	4004.0	4266.2	4528.5	4945.5	5362.5	5721.4	6080.5
4169.4	35°	4191.0	4373.1	4555.3	4989.7	5424.2	5863.5	6302.9
4929.1	37.5°	4830.2	4842.0	4853.8	5248.7	5643.6	6160.5	6677.4
6186.9	40°	5946.3	5739.0	5531.7	5825.4	6119.1	6681.2	7243.3
7881.9	42.5°	7444.3	6992.1	6540.0	6709.2	6878.4	7436.1	7993.8
9937.0	45°	9217.9	8493.5	7769.1	7843.9	7918.5	8419.6	8920.6
12216.8	47.5°	11164.1	10119.5	9074.5	9089.6	9104.8	9592.3	10079.7
14482.9	50°	13093.4	11746.7	10400.0	10397.4	10394.8	10996.8	11598.8
16673.7	52.5°	14954.5	13345.9	11737.3	11811.1	11884.8	12613.7	13342.7
18814.2	55°	16764.6	14974.5	13184.1	13471.5	13758.8	14479.1	15199.3
20887.7	57.5°	18566.3	16758.6	14950.9	15527.1	16103.4	16495.8	16888.0
23602.6	60°	21117.1	19406.4	17695.7	18411.4	19127.1	18517.7	17908.6
26057.2	62.5°	23692.5	22125.2	20558.0	20638.8	20719.5	19054.9	17390.3
26372.1	65°	24079.1	22087.4	20095.8	19786.8	19477.7	17915.4	16353.1
24677.7	67.5°	22374.8	20299.9	18224.8	18080.0	17935.0	16449.2	14963.3
22348.7	70°	20366.9	18511.4	16655.7	16590.8	16526.0	14909.7	13293.5
19494.2	72.5°	18009.9	16558.1	15106.3	15059.8	15013.2	13158.4	11303.8
16274.4	75°	15229.6	14100.0	12970.5	12798.1	12625.8	10706.2	8786.7
12813.4	77.5°	12072.4	11213.8	10355.1	10108.4	9861.8	8069.8	6277.9
9422.8	80°	9033.6	8385.4	7736.9	7430.3	7123.8	5616.4	4108.9
6189.9	82.5°	6027.5	5581.2	5134.8	4792.2	4449.8	3419.1	2388.5
3553.0	85°	3460.8	3094.2	2727.4	2436.1	2144.9	1597.9	1050.9
1392.7	87.5°	1384.8	1201.4	1018.0	855.5	693.0	509.2	325.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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