

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: P950008

Luminaire Tested: **GALN-SB4C-830-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950008
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-SB4C-830-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26873 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

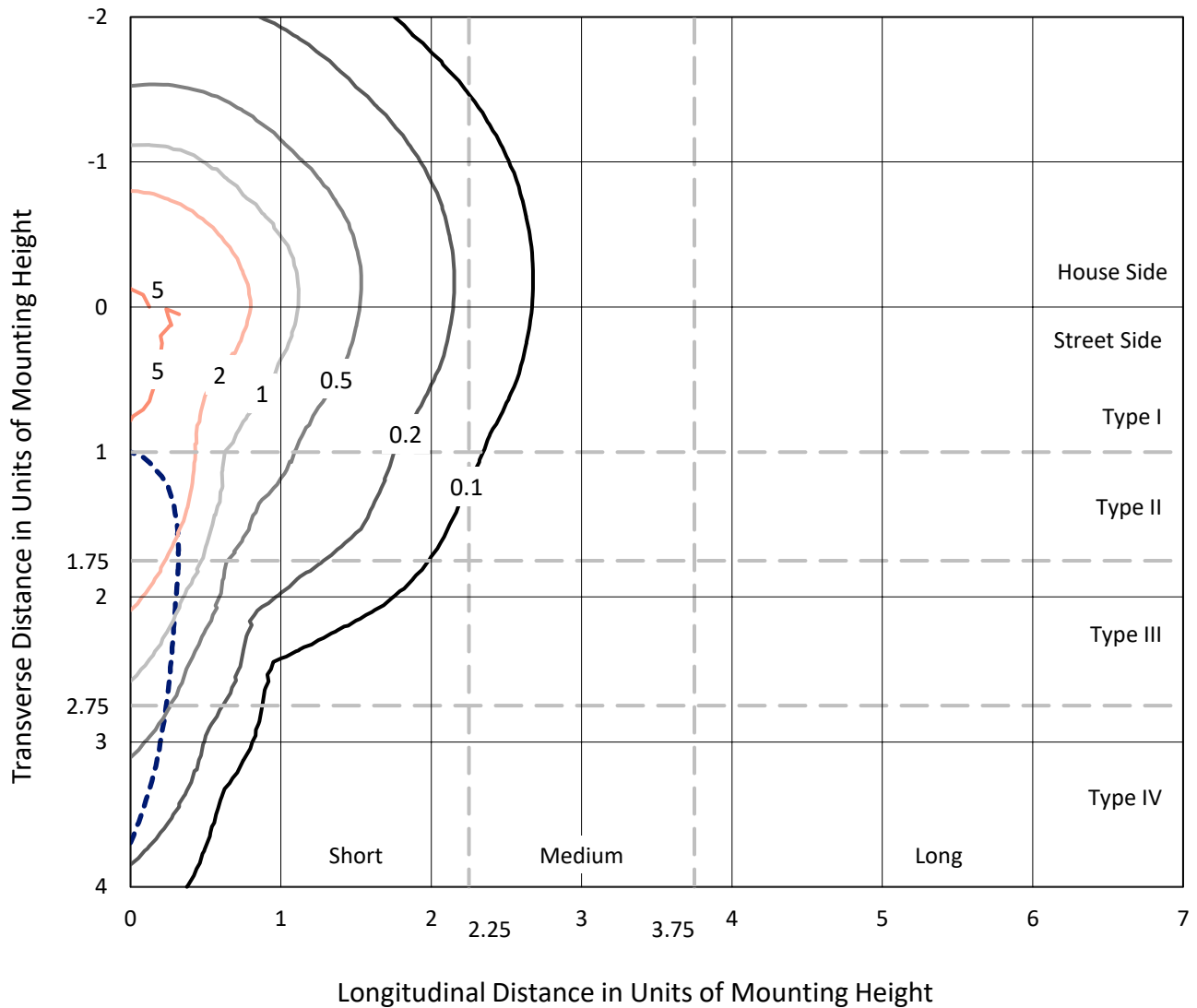
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P950008
 CATALOG NUMBER: GALN-SB4C-830-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

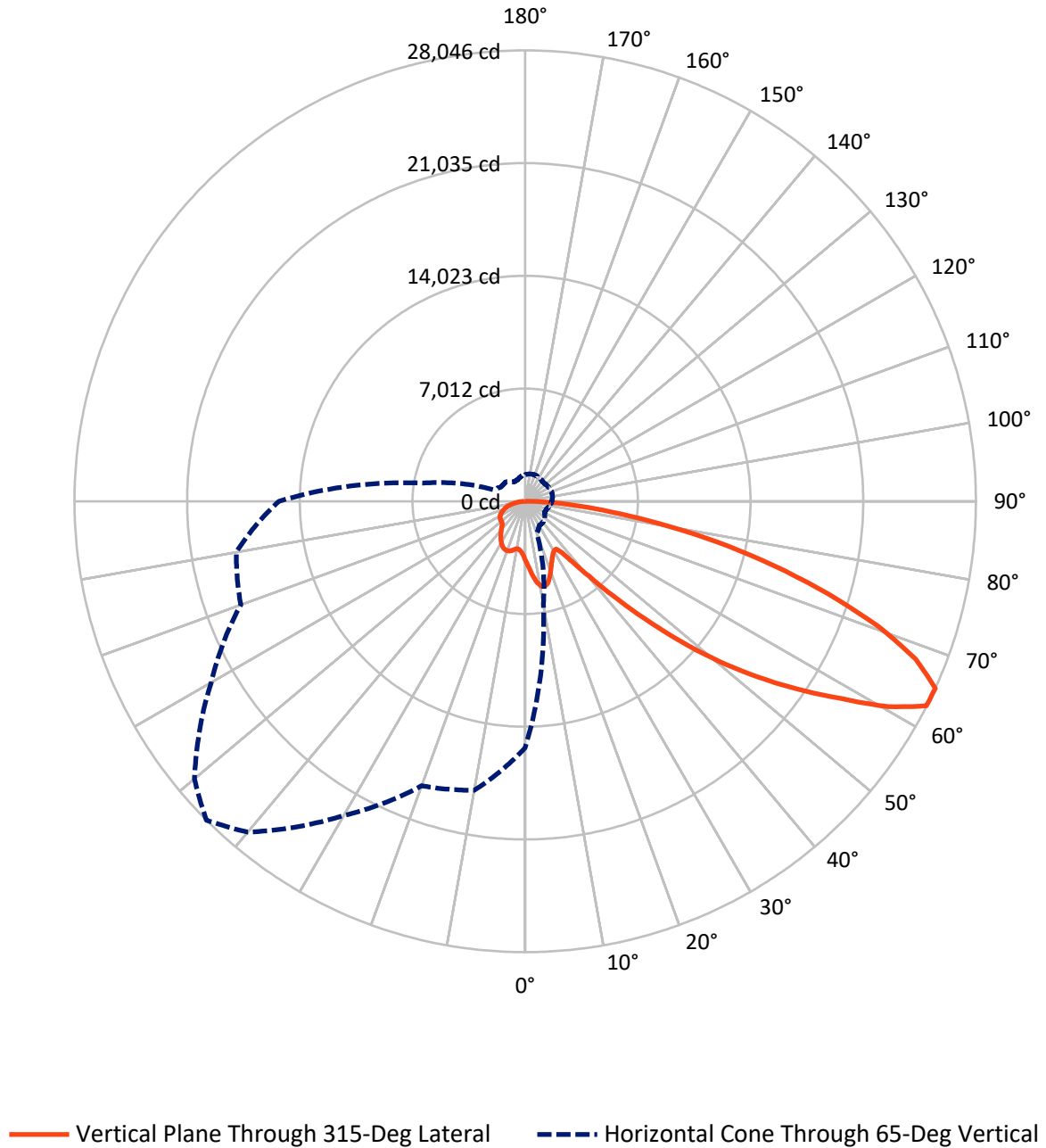
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P950008
CATALOG NUMBER: GALN-SB4C-830-U-SLR

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6829.8	0.0	6829.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	20043.2	0.0	20043.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	26873.0	0.0	26873.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.6	1.4
10°-20°	1150.7	4.3
20°-30°	1777.5	6.6
30°-40°	2252.5	8.4
40°-50°	3397.4	12.6
50°-60°	5488.9	20.4
60°-70°	6842.8	25.5
70°-80°	4487.2	16.7
80°-90°	1109.3	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°	26873.0	100.0
0°-180°	26873.0	100.0



REPORT NUMBER: P950008

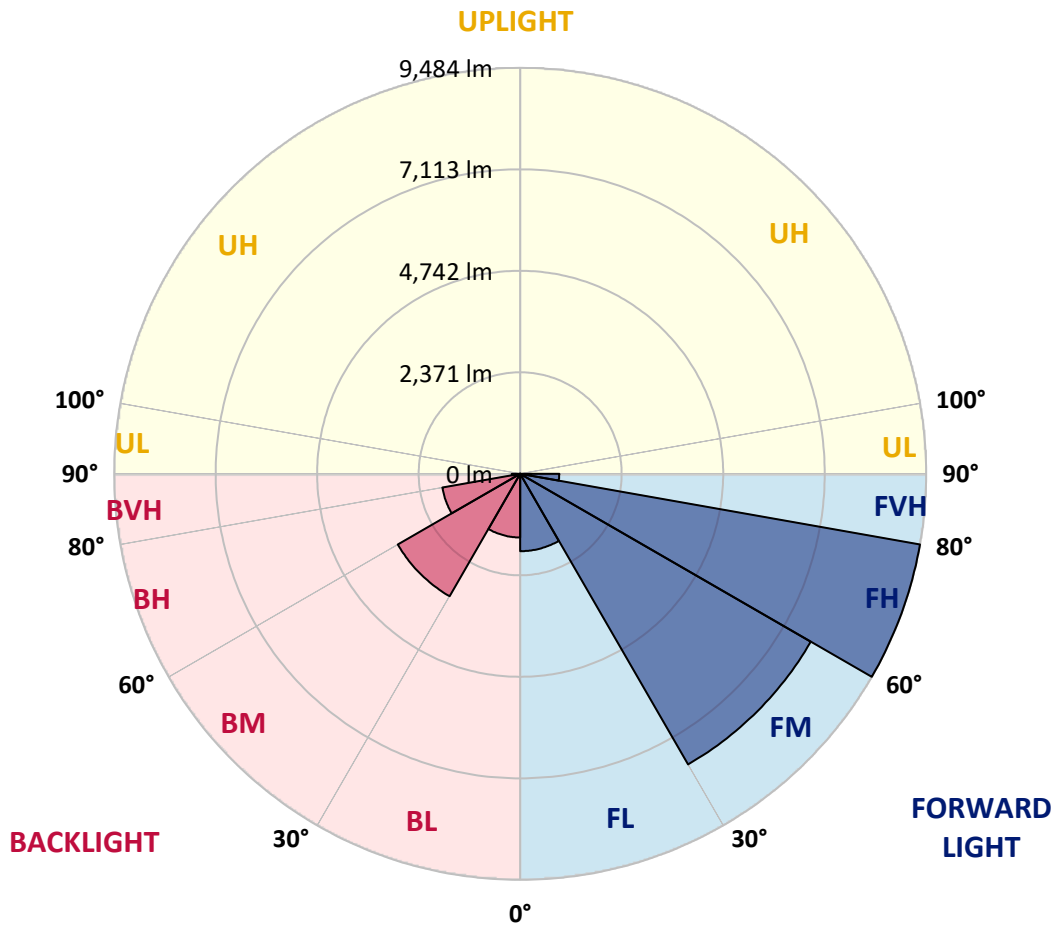
CATALOG NUMBER: GALN-SB4C-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1807.5	6.7			
FM (30°-60°)	7838.3	29.2			
FH (60°-80°)	9483.6	35.3			G4/12000
FVH (80°-90°)	913.9	3.4			G5
BL (0°-30°)	1487.3	5.5	B3/2500		
BM (30°-60°)	3300.6	12.3	B3/5000		
BH (60°-80°)	1846.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	195.5	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: P950008

CATALOG NUMBER: GALN-SB4C-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3
2.5°	3973.9	3943.4	3912.9	3880.5	3848.1	3815.5	3782.9	3751.7	3720.5	3690.3
5°	4273.1	4205.7	4138.4	4071.2	4004.1	3936.5	3869.0	3805.9	3742.8	3683.2
7.5°	4573.7	4462.5	4351.5	4248.9	4146.2	4046.2	3946.3	3858.2	3770.1	3688.9
10°	4804.1	4663.6	4523.1	4387.4	4251.8	4130.4	4008.9	3904.8	3800.5	3700.2
12.5°	4945.2	4790.8	4636.5	4482.8	4329.1	4185.9	4042.7	3924.8	3807.0	3701.6
15°	5031.0	4870.1	4709.1	4542.4	4375.6	4210.7	4045.8	3909.4	3773.0	3656.3
17.5°	5079.2	4916.0	4752.8	4570.9	4388.9	4197.5	4006.1	3842.0	3678.0	3540.7
20°	5132.4	4962.8	4793.1	4593.1	4393.2	4161.2	3929.2	3725.9	3522.6	3362.8
22.5°	5194.1	5020.8	4847.4	4623.2	4398.9	4116.7	3834.5	3589.6	3344.7	3162.8
25°	5273.5	5103.6	4933.9	4677.6	4421.3	4072.7	3724.3	3437.5	3150.8	2964.3
27.5°	5381.3	5219.3	5057.2	4762.7	4468.1	4043.4	3618.7	3298.4	2978.1	2808.3
30°	5526.6	5370.1	5213.6	4872.9	4532.2	4029.6	3526.8	3182.1	2837.4	2694.9
32.5°	5698.2	5543.2	5388.3	4987.9	4587.5	4012.6	3437.5	3081.8	2726.1	2611.2
35°	5906.6	5758.3	5609.8	5118.9	4628.0	3980.6	3333.4	2983.3	2633.2	2537.5
37.5°	6257.6	6068.4	5879.2	5265.7	4652.1	3925.7	3199.3	2867.3	2535.4	2451.7
40°	6787.9	6512.2	6236.6	5452.0	4667.3	3850.1	3033.1	2728.9	2424.8	2348.9
42.5°	7491.2	7093.3	6695.4	5695.8	4696.1	3772.1	2848.4	2576.2	2303.9	2234.0
45°	8359.7	7823.0	7286.3	6016.5	4746.7	3699.7	2652.8	2414.0	2175.2	2104.3
47.5°	9445.9	8690.5	7935.0	6358.2	4781.4	3639.8	2498.2	2285.7	2073.1	1981.6
50°	10869.6	9730.8	8591.9	6675.3	4758.8	3574.6	2390.4	2200.4	2010.4	1890.2
52.5°	12503.8	10823.5	9143.2	6881.2	4619.1	3464.4	2309.9	2144.3	1978.8	1840.5
55°	14243.7	11792.2	9341.0	6835.8	4330.5	3281.8	2233.0	2103.6	1974.1	1845.5
57.5°	15826.1	12478.8	9131.5	6516.5	3901.6	3024.3	2146.8	2055.4	1963.9	1850.5
60°	16782.6	12650.4	8518.1	5922.2	3326.3	2689.9	2053.5	1981.6	1909.7	1834.9
62.5°	16296.9	11927.9	7559.0	5118.6	2678.3	2289.8	1901.2	1853.4	1805.8	1796.6
65°	15324.9	10905.7	6486.6	4298.8	2111.1	1929.7	1748.4	1725.8	1703.3	1704.4
67.5°	14022.5	9689.2	5356.0	3495.6	1635.2	1583.7	1532.1	1544.8	1557.2	1554.1
70°	12457.7	8361.9	4266.0	2752.3	1238.6	1253.4	1268.0	1326.4	1384.7	1384.7
72.5°	10593.1	6922.9	3252.9	2104.1	955.4	999.8	1044.3	1127.2	1209.8	1223.7
75°	8234.2	5273.3	2312.4	1527.2	741.9	782.2	822.4	915.2	1007.9	1072.0
77.5°	5883.2	3690.9	1498.5	1034.8	571.2	598.5	626.0	716.1	806.1	911.8
80°	3850.5	2378.0	905.4	666.7	428.2	439.6	450.9	527.2	603.4	729.6
82.5°	2238.3	1376.3	514.4	410.1	306.0	308.0	310.3	366.4	422.6	530.3
85°	984.8	619.1	253.5	219.2	185.0	184.1	182.9	224.0	265.2	345.3
87.5°	304.9	202.8	100.7	90.9	81.1	80.1	79.1	95.9	112.7	146.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950008
 CATALOG NUMBER: GALN-SB4C-830-U-SLR

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
3695.3	0°	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3
3656.7	2.5°	3629.5	3602.4	3577.9	3553.5	3532.1	3510.6	3489.1	3467.7	3451.1	3434.4
3624.4	5°	3573.0	3521.6	3478.5	3435.5	3397.5	3359.5	3325.0	3290.4	3263.9	3237.3
3612.7	7.5°	3544.4	3476.2	3419.5	3362.8	3315.0	3267.0	3224.8	3182.7	3151.0	3119.6
3618.4	10°	3546.4	3474.3	3417.6	3360.9	3309.4	3257.8	3210.3	3162.8	3125.1	3087.2
3625.5	12.5°	3566.5	3507.8	3470.1	3432.7	3392.1	3351.8	3302.6	3253.6	3205.4	3157.1
3595.3	15°	3567.1	3539.0	3544.1	3549.2	3538.7	3528.2	3485.5	3442.9	3374.2	3305.6
3503.1	17.5°	3513.5	3523.7	3585.5	3647.3	3680.2	3713.0	3678.5	3644.2	3553.3	3462.4
3352.8	20°	3401.0	3449.2	3556.6	3664.1	3732.8	3801.6	3785.7	3769.7	3665.8	3562.0
3182.2	22.5°	3253.6	3324.9	3447.4	3570.2	3659.7	3749.2	3758.8	3768.3	3669.0	3569.8
3016.8	25°	3099.0	3181.2	3291.4	3401.7	3489.8	3577.9	3610.8	3643.5	3562.1	3480.9
2872.1	27.5°	2951.5	3030.9	3121.6	3212.0	3282.6	3353.3	3389.8	3426.6	3368.6	3310.7
2744.9	30°	2807.9	2871.1	2946.3	3021.4	3080.0	3138.7	3168.5	3198.3	3154.2	3109.9
2633.5	32.5°	2670.8	2708.1	2768.0	2828.2	2884.3	2940.6	2973.7	3006.8	2966.3	2925.6
2528.3	35°	2538.5	2548.8	2594.6	2640.3	2695.9	2751.6	2791.3	2831.0	2802.1	2773.3
2417.9	37.5°	2406.6	2395.3	2428.2	2460.9	2516.4	2571.9	2621.0	2670.1	2656.7	2643.4
2297.1	40°	2271.5	2245.8	2269.5	2293.2	2346.8	2400.4	2456.8	2513.4	2516.6	2519.8
2168.8	42.5°	2134.8	2100.7	2120.0	2139.5	2190.2	2241.1	2302.1	2363.1	2379.4	2395.7
2041.2	45°	2008.0	1975.0	1991.1	2007.6	2055.8	2104.0	2167.2	2230.5	2253.9	2277.3
1927.3	47.5°	1899.5	1871.7	1887.1	1902.2	1949.4	1996.5	2058.9	2121.3	2148.2	2175.2
1827.1	50°	1802.4	1777.9	1801.7	1825.7	1870.2	1914.6	1970.4	2026.3	2060.9	2095.5
1752.3	52.5°	1728.0	1703.7	1739.6	1775.3	1816.2	1856.9	1908.9	1961.1	2002.1	2043.0
1712.6	55°	1674.1	1635.6	1686.6	1737.3	1781.3	1825.2	1870.9	1916.4	1959.8	2003.3
1688.8	57.5°	1632.7	1576.5	1631.2	1686.0	1737.6	1789.2	1834.3	1879.5	1923.4	1967.0
1666.4	60°	1593.7	1520.8	1568.9	1616.8	1676.1	1735.3	1781.1	1827.1	1871.0	1915.0
1640.3	62.5°	1549.3	1458.4	1488.9	1519.4	1588.4	1657.6	1706.5	1755.5	1795.7	1836.0
1585.3	65°	1488.6	1391.8	1403.5	1415.1	1489.2	1563.3	1610.1	1656.9	1692.4	1727.8
1487.2	67.5°	1406.6	1326.1	1322.4	1318.7	1387.1	1455.6	1499.9	1544.2	1574.8	1605.4
1362.7	70°	1305.4	1248.1	1235.3	1222.6	1282.7	1342.8	1381.1	1419.4	1447.1	1474.7
1224.0	72.5°	1184.7	1145.4	1126.7	1108.2	1155.5	1202.7	1237.3	1271.9	1299.0	1326.1
1066.6	75°	1036.4	1006.1	988.2	970.2	1005.4	1040.5	1071.9	1103.2	1127.9	1152.5
908.9	77.5°	884.7	860.4	842.3	824.1	852.8	881.3	908.2	935.2	961.1	986.9
729.1	80°	708.9	688.4	673.3	657.9	681.8	705.4	728.1	750.8	770.5	790.1
536.3	82.5°	526.4	516.4	505.7	494.9	492.9	490.9	483.0	475.0	517.0	559.0
353.1	85°	342.4	331.8	319.8	307.7	297.5	287.1	265.2	243.2	282.5	321.9
156.0	87.5°	151.7	147.5	145.2	142.9	142.5	142.1	125.3	108.5	124.9	141.5
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: P950008
 CATALOG NUMBER: GALN-SB4C-830-U-SLR

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3695.3	0°	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3
3420.9	2.5°	3407.4	3396.9	3386.4	3376.8	3367.0	3355.0	3367.0	3376.8	3386.4	3396.9
3218.7	5°	3200.1	3186.9	3173.7	3163.7	3153.6	3143.7	3153.6	3163.7	3173.7	3186.9
3097.4	7.5°	3075.3	3060.2	3045.1	3036.0	3027.1	3020.3	3027.1	3036.0	3045.1	3060.2
3062.6	10°	3037.6	3023.3	3009.0	3001.3	2993.6	2990.5	2993.6	3001.3	3009.0	3023.3
3125.2	12.5°	3093.3	3077.3	3061.4	3054.9	3048.4	3047.2	3048.4	3054.9	3061.4	3077.3
3257.1	15°	3208.6	3186.4	3164.2	3155.7	3147.2	3146.5	3147.2	3155.7	3164.2	3186.4
3391.0	17.5°	3319.5	3286.6	3253.6	3242.8	3231.9	3230.2	3231.9	3242.8	3253.6	3286.6
3474.3	20°	3386.9	3344.7	3302.5	3289.0	3275.5	3271.3	3275.5	3289.0	3302.5	3344.7
3479.6	22.5°	3389.3	3344.9	3300.4	3285.5	3270.6	3264.2	3270.6	3285.5	3300.4	3344.9
3400.6	25°	3320.6	3282.1	3243.6	3229.6	3215.7	3207.5	3215.7	3229.6	3243.6	3282.1
3248.5	27.5°	3186.2	3160.4	3134.5	3128.1	3121.7	3119.6	3121.7	3128.1	3134.5	3160.4
3065.4	30°	3020.6	3007.4	2994.1	2994.1	2994.1	2996.2	2994.1	2994.1	2994.1	3007.4
2890.0	32.5°	2854.4	2845.8	2837.1	2838.2	2839.5	2841.6	2839.5	2838.2	2837.1	2845.8
2740.4	35°	2707.6	2694.5	2681.4	2678.6	2675.7	2674.3	2675.7	2678.6	2681.4	2694.5
2613.2	37.5°	2582.9	2558.9	2535.1	2522.5	2509.8	2502.7	2509.8	2522.5	2535.1	2558.9
2494.1	40°	2468.4	2433.5	2398.9	2375.4	2352.2	2338.3	2352.2	2375.4	2398.9	2433.5
2374.0	42.5°	2352.4	2309.2	2265.9	2231.8	2197.6	2175.2	2197.6	2231.8	2265.9	2309.2
2257.7	45°	2238.3	2188.8	2139.5	2099.3	2059.2	2033.4	2059.2	2099.3	2139.5	2188.8
2161.6	47.5°	2148.0	2104.0	2060.0	2022.9	1985.9	1961.1	1985.9	2022.9	2060.0	2104.0
2094.6	50°	2094.1	2058.9	2023.7	1989.4	1955.1	1931.3	1955.1	1989.4	2023.7	2058.9
2050.4	52.5°	2057.8	2029.1	2000.5	1969.7	1939.1	1917.1	1939.1	1969.7	2000.5	2029.1
2013.5	55°	2023.7	1998.8	1973.8	1946.9	1920.0	1900.1	1920.0	1946.9	1973.8	1998.8
1977.4	57.5°	1987.7	1962.5	1937.3	1910.6	1883.8	1863.2	1883.8	1910.6	1937.3	1962.5
1926.3	60°	1937.7	1913.0	1888.5	1861.0	1833.5	1812.2	1833.5	1861.0	1888.5	1913.0
1846.9	62.5°	1857.8	1835.6	1813.3	1784.4	1755.5	1729.9	1755.5	1784.4	1813.3	1835.6
1739.0	65°	1750.1	1728.7	1707.3	1679.2	1651.2	1629.3	1651.2	1679.2	1707.3	1728.7
1616.4	67.5°	1627.1	1607.4	1587.9	1561.8	1535.7	1515.8	1535.7	1561.8	1587.9	1607.4
1485.2	70°	1495.7	1479.7	1463.6	1438.7	1413.7	1391.0	1413.7	1438.7	1463.6	1479.7
1338.6	72.5°	1351.1	1337.7	1324.4	1300.6	1276.9	1254.9	1276.9	1300.6	1324.4	1337.7
1165.6	75°	1178.6	1172.1	1165.6	1145.6	1125.6	1104.6	1125.6	1145.6	1165.6	1172.1
999.1	77.5°	1011.3	1002.2	992.9	972.7	952.6	935.9	952.6	972.7	992.9	1002.2
806.3	80°	822.4	818.5	814.6	787.5	760.3	728.8	760.3	787.5	814.6	818.5
586.5	82.5°	614.0	612.3	610.4	587.6	564.6	544.5	564.6	587.6	610.4	612.3
355.9	85°	389.9	387.1	384.3	366.4	348.5	330.4	348.5	366.4	384.3	387.1
155.3	87.5°	169.0	165.6	161.9	152.9	143.5	134.7	143.5	152.9	161.9	165.6
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: P950008
 CATALOG NUMBER: GALN-SB4C-830-U-SLR

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3695.3	0°	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3
3407.4	2.5°	3420.9	3434.4	3451.1	3467.7	3489.1	3510.6	3532.1	3553.5	3577.9	3602.4
3200.1	5°	3218.7	3237.3	3263.9	3290.4	3325.0	3359.5	3397.5	3435.5	3478.5	3521.6
3075.3	7.5°	3097.4	3119.6	3151.0	3182.7	3224.8	3267.0	3315.0	3362.8	3419.5	3476.2
3037.6	10°	3062.6	3087.2	3125.1	3162.8	3210.3	3257.8	3309.4	3360.9	3417.6	3474.3
3093.3	12.5°	3125.2	3157.1	3205.4	3253.6	3302.6	3351.8	3392.1	3432.7	3470.1	3507.8
3208.6	15°	3257.1	3305.6	3374.2	3442.9	3485.5	3528.2	3538.7	3549.2	3544.1	3539.0
3319.5	17.5°	3391.0	3462.4	3553.3	3644.2	3678.5	3713.0	3680.2	3647.3	3585.5	3523.7
3386.9	20°	3474.3	3562.0	3665.8	3769.7	3785.7	3801.6	3732.8	3664.1	3556.6	3449.2
3389.3	22.5°	3479.6	3569.8	3669.0	3768.3	3758.8	3749.2	3659.7	3570.2	3447.4	3324.9
3320.6	25°	3400.6	3480.9	3562.1	3643.5	3610.8	3577.9	3489.8	3401.7	3291.4	3181.2
3186.2	27.5°	3248.5	3310.7	3368.6	3426.6	3389.8	3353.3	3282.6	3212.0	3121.6	3030.9
3020.6	30°	3065.4	3109.9	3154.2	3198.3	3168.5	3138.7	3080.0	3021.4	2946.3	2871.1
2854.4	32.5°	2890.0	2925.6	2966.3	3006.8	2973.7	2940.6	2884.3	2828.2	2768.0	2708.1
2707.6	35°	2740.4	2773.3	2802.1	2831.0	2791.3	2751.6	2695.9	2640.3	2594.6	2548.8
2582.9	37.5°	2613.2	2643.4	2656.7	2670.1	2621.0	2571.9	2516.4	2460.9	2428.2	2395.3
2468.4	40°	2494.1	2519.8	2516.6	2513.4	2456.8	2400.4	2346.8	2293.2	2269.5	2245.8
2352.4	42.5°	2374.0	2395.7	2379.4	2363.1	2302.1	2241.1	2190.2	2139.5	2120.0	2100.7
2238.3	45°	2257.7	2277.3	2253.9	2230.5	2167.2	2104.0	2055.8	2007.6	1991.1	1975.0
2148.0	47.5°	2161.6	2175.2	2148.2	2121.3	2058.9	1996.5	1949.4	1902.2	1887.1	1871.7
2094.1	50°	2094.6	2095.5	2060.9	2026.3	1970.4	1914.6	1870.2	1825.7	1801.7	1777.9
2057.8	52.5°	2050.4	2043.0	2002.1	1961.1	1908.9	1856.9	1816.2	1775.3	1739.6	1703.7
2023.7	55°	2013.5	2003.3	1959.8	1916.4	1870.9	1825.2	1781.3	1737.3	1686.6	1635.6
1987.7	57.5°	1977.4	1967.0	1923.4	1879.5	1834.3	1789.2	1737.6	1686.0	1631.2	1576.5
1937.7	60°	1926.3	1915.0	1871.0	1827.1	1781.1	1735.3	1676.1	1616.8	1568.9	1520.8
1857.8	62.5°	1846.9	1836.0	1795.7	1755.5	1706.5	1657.6	1588.4	1519.4	1488.9	1458.4
1750.1	65°	1739.0	1727.8	1692.4	1656.9	1610.1	1563.3	1489.2	1415.1	1403.5	1391.8
1627.1	67.5°	1616.4	1605.4	1574.8	1544.2	1499.9	1455.6	1387.1	1318.7	1322.4	1326.1
1495.7	70°	1485.2	1474.7	1447.1	1419.4	1381.1	1342.8	1282.7	1222.6	1235.3	1248.1
1351.1	72.5°	1338.6	1326.1	1299.0	1271.9	1237.3	1202.7	1155.5	1108.2	1126.7	1145.4
1178.6	75°	1165.6	1152.5	1127.9	1103.2	1071.9	1040.5	1005.4	970.2	988.2	1006.1
1011.3	77.5°	999.1	986.9	961.1	935.2	908.2	881.3	852.8	824.1	842.3	860.4
822.4	80°	806.3	790.1	770.5	750.8	728.1	705.4	681.8	657.9	673.3	688.4
614.0	82.5°	586.5	559.0	517.0	475.0	483.0	490.9	492.9	494.9	505.7	516.4
389.9	85°	355.9	321.9	282.5	243.2	265.2	287.1	297.5	307.7	319.8	331.8
169.0	87.5°	155.3	141.5	124.9	108.5	125.3	142.1	142.5	142.9	145.2	147.5
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: P950008
 CATALOG NUMBER: GALN-SB4C-830-U-SLR

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3695.3	0°	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3
3629.5	2.5°	3656.7	3690.3	3720.5	3751.7	3782.9	3815.5	3848.1	3880.5	3912.9	3943.4
3573.0	5°	3624.4	3683.2	3742.8	3805.9	3869.0	3936.5	4004.1	4071.2	4138.4	4205.7
3544.4	7.5°	3612.7	3688.9	3770.1	3858.2	3946.3	4046.2	4146.2	4248.9	4351.5	4462.5
3546.4	10°	3618.4	3700.2	3800.5	3904.8	4008.9	4130.4	4251.8	4387.4	4523.1	4663.6
3566.5	12.5°	3625.5	3701.6	3807.0	3924.8	4042.7	4185.9	4329.1	4482.8	4636.5	4790.8
3567.1	15°	3595.3	3656.3	3773.0	3909.4	4045.8	4210.7	4375.6	4542.4	4709.1	4870.1
3513.5	17.5°	3503.1	3540.7	3678.0	3842.0	4006.1	4197.5	4388.9	4570.9	4752.8	4916.0
3401.0	20°	3352.8	3362.8	3522.6	3725.9	3929.2	4161.2	4393.2	4593.1	4793.1	4962.8
3253.6	22.5°	3182.2	3162.8	3344.7	3589.6	3834.5	4116.7	4398.9	4623.2	4847.4	5020.8
3099.0	25°	3016.8	2964.3	3150.8	3437.5	3724.3	4072.7	4421.3	4677.6	4933.9	5103.6
2951.5	27.5°	2872.1	2808.3	2978.1	3298.4	3618.7	4043.4	4468.1	4762.7	5057.2	5219.3
2807.9	30°	2744.9	2694.9	2837.4	3182.1	3526.8	4029.6	4532.2	4872.9	5213.6	5370.1
2670.8	32.5°	2633.5	2611.2	2726.1	3081.8	3437.5	4012.6	4587.5	4987.9	5388.3	5543.2
2538.5	35°	2528.3	2537.5	2633.2	2983.3	3333.4	3980.6	4628.0	5118.9	5609.8	5758.3
2406.6	37.5°	2417.9	2451.7	2535.4	2867.3	3199.3	3925.7	4652.1	5265.7	5879.2	6068.4
2271.5	40°	2297.1	2348.9	2424.8	2728.9	3033.1	3850.1	4667.3	5452.0	6236.6	6512.2
2134.8	42.5°	2168.8	2234.0	2303.9	2576.2	2848.4	3772.1	4696.1	5695.8	6695.4	7093.3
2008.0	45°	2041.2	2104.3	2175.2	2414.0	2652.8	3699.7	4746.7	6016.5	7286.3	7823.0
1899.5	47.5°	1927.3	1981.6	2073.1	2285.7	2498.2	3639.8	4781.4	6358.2	7935.0	8690.5
1802.4	50°	1827.1	1890.2	2010.4	2200.4	2390.4	3574.6	4758.8	6675.3	8591.9	9730.8
1728.0	52.5°	1752.3	1840.5	1978.8	2144.3	2309.9	3464.4	4619.1	6881.2	9143.2	10823.5
1674.1	55°	1712.6	1845.5	1974.1	2103.6	2233.0	3281.8	4330.5	6835.8	9341.0	11792.2
1632.7	57.5°	1688.8	1850.5	1963.9	2055.4	2146.8	3024.3	3901.6	6516.5	9131.5	12478.8
1593.7	60°	1666.4	1834.9	1909.7	1981.6	2053.5	2689.9	3326.3	5922.2	8518.1	12650.4
1549.3	62.5°	1640.3	1796.6	1805.8	1853.4	1901.2	2289.8	2678.3	5118.6	7559.0	11927.9
1488.6	65°	1585.3	1704.4	1703.3	1725.8	1748.4	1929.7	2111.1	4298.8	6486.6	10905.7
1406.6	67.5°	1487.2	1554.1	1557.2	1544.8	1532.1	1583.7	1635.2	3495.6	5356.0	9689.2
1305.4	70°	1362.7	1384.7	1384.7	1326.4	1268.0	1253.4	1238.6	2752.3	4266.0	8361.9
1184.7	72.5°	1224.0	1223.7	1209.8	1127.2	1044.3	999.8	955.4	2104.1	3252.9	6922.9
1036.4	75°	1066.6	1072.0	1007.9	915.2	822.4	782.2	741.9	1527.2	2312.4	5273.3
884.7	77.5°	908.9	911.8	806.1	716.1	626.0	598.5	571.2	1034.8	1498.5	3690.9
708.9	80°	729.1	729.6	603.4	527.2	450.9	439.6	428.2	666.7	905.4	2378.0
526.4	82.5°	536.3	530.3	422.6	366.4	310.3	308.0	306.0	410.1	514.4	1376.3
342.4	85°	353.1	345.3	265.2	224.0	182.9	184.1	185.0	219.2	253.5	619.1
151.7	87.5°	156.0	146.1	112.7	95.9	79.1	80.1	81.1	90.9	100.7	202.8
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: P950008
 CATALOG NUMBER: GALN-SB4C-830-U-SLR

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3695.3	0°	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3
3973.9	2.5°	3988.9	4004.1	4025.5	4046.9	4059.7	4072.5	4078.8	4085.2	4082.4	4085.2
4273.1	5°	4325.7	4378.5	4430.6	4483.0	4511.3	4539.7	4556.8	4574.1	4587.2	4574.1
4573.7	7.5°	4659.4	4744.9	4821.9	4898.9	4945.2	4991.6	5016.7	5041.6	5053.7	5041.6
4804.1	10°	4905.4	5006.6	5096.9	5187.3	5242.0	5296.5	5320.8	5345.1	5354.3	5345.1
4945.2	12.5°	5055.0	5164.6	5246.3	5327.7	5367.4	5407.1	5420.4	5433.7	5435.1	5433.7
5031.0	15°	5125.7	5220.3	5271.5	5322.8	5324.3	5325.7	5311.5	5297.3	5280.6	5297.3
5079.2	17.5°	5143.2	5207.1	5208.1	5209.0	5151.5	5094.1	5041.5	4988.8	4951.6	4988.8
5132.4	20°	5154.7	5177.1	5109.7	5042.4	4915.6	4788.8	4696.5	4604.2	4547.5	4604.2
5194.1	22.5°	5164.9	5135.7	4996.1	4856.6	4670.1	4483.7	4368.2	4252.8	4190.1	4252.8
5273.5	25°	5181.3	5089.1	4877.3	4665.5	4439.0	4212.5	4091.2	3970.1	3910.8	3970.1
5381.3	27.5°	5216.5	5051.6	4771.0	4490.5	4239.5	3988.5	3869.1	3749.9	3693.9	3749.9
5526.6	30°	5280.9	5035.3	4689.8	4344.4	4082.9	3821.5	3710.7	3600.0	3547.8	3600.0
5698.2	32.5°	5361.7	5025.3	4634.5	4243.7	3998.0	3752.3	3665.3	3578.3	3540.7	3578.3
5906.6	35°	5494.8	5083.2	4675.9	4268.8	4098.1	3927.5	3907.3	3887.0	3883.9	3887.0
6257.6	37.5°	5773.2	5288.8	4918.7	4548.6	4537.6	4526.5	4619.2	4712.0	4760.2	4712.0
6787.9	40°	6261.1	5734.3	5459.1	5183.9	5378.1	5572.4	5797.9	6023.3	6135.6	6023.3
7491.2	42.5°	6968.5	6445.9	6287.3	6128.8	6552.5	6976.2	7386.3	7796.4	8037.1	7796.4
8359.7	45°	7890.2	7420.6	7350.7	7280.6	7959.4	8638.4	9312.2	9986.2	10395.2	9986.2
9445.9	47.5°	8989.2	8532.3	8518.1	8503.9	9483.2	10462.2	11448.7	12435.0	13014.3	12435.0
10869.6	50°	10305.3	9741.3	9743.7	9746.1	11008.1	12270.1	13572.2	14874.4	15661.6	14874.4
12503.8	52.5°	11820.6	11137.6	11068.5	10999.3	12506.8	14014.2	15625.3	17236.3	18180.0	17236.3
14243.7	55°	13568.7	12893.7	12624.5	12355.2	14032.9	15710.6	17631.2	19551.9	20674.2	19551.9
15826.1	57.5°	15458.6	15090.9	14550.8	14010.8	15704.9	17399.0	19574.4	21749.8	23141.5	21749.8
16782.6	60°	17353.4	17924.5	17253.8	16583.1	18186.2	19789.4	22118.6	24447.8	25952.0	24447.8
16296.9	62.5°	17856.8	19416.8	19341.2	19265.5	20734.1	22202.8	24418.8	26634.7	28025.1	26634.7
15324.9	65°	16788.9	18253.0	18542.7	18832.3	20698.6	22565.1	24713.9	26862.6	28046.3	26862.6
14022.5	67.5°	15414.9	16807.4	16943.2	17078.9	19023.5	20968.0	23126.1	25284.1	26211.5	25284.1
12457.7	70°	13972.3	15486.9	15547.6	15608.5	17347.5	19086.4	20943.5	22800.5	23315.9	22800.5
10593.1	72.5°	12331.1	14069.2	14112.9	14156.5	15517.0	16877.6	18268.5	19659.2	19711.4	19659.2
8234.2	75°	10033.1	11832.0	11993.5	12155.0	13213.5	14272.0	15251.1	16230.3	15967.9	16230.3
5883.2	77.5°	7562.4	9241.7	9472.8	9704.0	10508.7	11313.4	12007.8	12702.3	12251.4	12702.3
3850.5	80°	5263.3	6675.9	6963.2	7250.4	7858.2	8465.7	8830.4	9194.9	8469.6	9194.9
2238.3	82.5°	3204.1	4170.0	4490.9	4811.9	5230.2	5648.5	5800.7	5952.7	5382.7	5952.7
984.8	85°	1497.4	2010.0	2283.0	2555.9	2899.6	3243.2	3329.6	3415.9	2959.3	3415.9
304.9	87.5°	477.2	649.4	801.7	954.0	1125.9	1297.7	1305.1	1312.3	1101.8	1312.3
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: P950008
 CATALOG NUMBER: GALN-SB4C-830-U-SLR

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
3695.3	0°	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3	3695.3
4078.8	2.5°	4072.5	4059.7	4046.9	4025.5	4004.1	3988.9	3973.9
4556.8	5°	4539.7	4511.3	4483.0	4430.6	4378.5	4325.7	4273.1
5016.7	7.5°	4991.6	4945.2	4898.9	4821.9	4744.9	4659.4	4573.7
5320.8	10°	5296.5	5242.0	5187.3	5096.9	5006.6	4905.4	4804.1
5420.4	12.5°	5407.1	5367.4	5327.7	5246.3	5164.6	5055.0	4945.2
5311.5	15°	5325.7	5324.3	5322.8	5271.5	5220.3	5125.7	5031.0
5041.5	17.5°	5094.1	5151.5	5209.0	5208.1	5207.1	5143.2	5079.2
4696.5	20°	4788.8	4915.6	5042.4	5109.7	5177.1	5154.7	5132.4
4368.2	22.5°	4483.7	4670.1	4856.6	4996.1	5135.7	5164.9	5194.1
4091.2	25°	4212.5	4439.0	4665.5	4877.3	5089.1	5181.3	5273.5
3869.1	27.5°	3988.5	4239.5	4490.5	4771.0	5051.6	5216.5	5381.3
3710.7	30°	3821.5	4082.9	4344.4	4689.8	5035.3	5280.9	5526.6
3665.3	32.5°	3752.3	3998.0	4243.7	4634.5	5025.3	5361.7	5698.2
3907.3	35°	3927.5	4098.1	4268.8	4675.9	5083.2	5494.8	5906.6
4619.2	37.5°	4526.5	4537.6	4548.6	4918.7	5288.8	5773.2	6257.6
5797.9	40°	5572.4	5378.1	5183.9	5459.1	5734.3	6261.1	6787.9
7386.3	42.5°	6976.2	6552.5	6128.8	6287.3	6445.9	6968.5	7491.2
9312.2	45°	8638.4	7959.4	7280.6	7350.7	7420.6	7890.2	8359.7
11448.7	47.5°	10462.2	9483.2	8503.9	8518.1	8532.3	8989.2	9445.9
13572.2	50°	12270.1	11008.1	9746.1	9743.7	9741.3	10305.3	10869.6
15625.3	52.5°	14014.2	12506.8	10999.3	11068.5	11137.6	11820.6	12503.8
17631.2	55°	15710.6	14032.9	12355.2	12624.5	12893.7	13568.7	14243.7
19574.4	57.5°	17399.0	15704.9	14010.8	14550.8	15090.9	15458.6	15826.1
22118.6	60°	19789.4	18186.2	16583.1	17253.8	17924.5	17353.4	16782.6
24418.8	62.5°	22202.8	20734.1	19265.5	19341.2	19416.8	17856.8	16296.9
24713.9	65°	22565.1	20698.6	18832.3	18542.7	18253.0	16788.9	15324.9
23126.1	67.5°	20968.0	19023.5	17078.9	16943.2	16807.4	15414.9	14022.5
20943.5	70°	19086.4	17347.5	15608.5	15547.6	15486.9	13972.3	12457.7
18268.5	72.5°	16877.6	15517.0	14156.5	14112.9	14069.2	12331.1	10593.1
15251.1	75°	14272.0	13213.5	12155.0	11993.5	11832.0	10033.1	8234.2
12007.8	77.5°	11313.4	10508.7	9704.0	9472.8	9241.7	7562.4	5883.2
8830.4	80°	8465.7	7858.2	7250.4	6963.2	6675.9	5263.3	3850.5
5800.7	82.5°	5648.5	5230.2	4811.9	4490.9	4170.0	3204.1	2238.3
3329.6	85°	3243.2	2899.6	2555.9	2283.0	2010.0	1497.4	984.8
1305.1	87.5°	1297.7	1125.9	954.0	801.7	649.4	477.2	304.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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