

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: P950512

Luminaire Tested: **GALN-SB4D-940-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950512  
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-SB4D-940-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

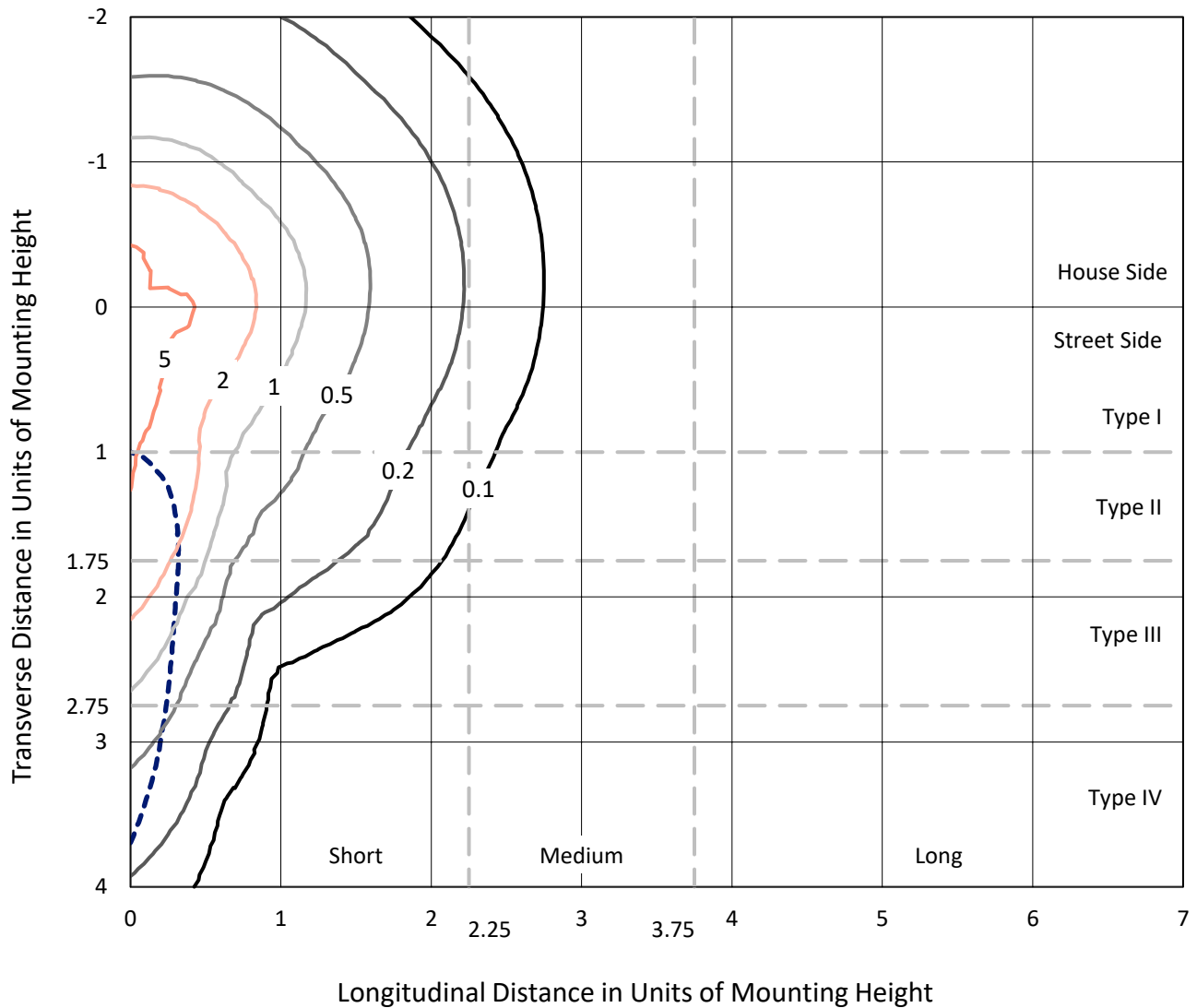
Lumens per Lamp: N/A  
Luminaire Lumens: 29447 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

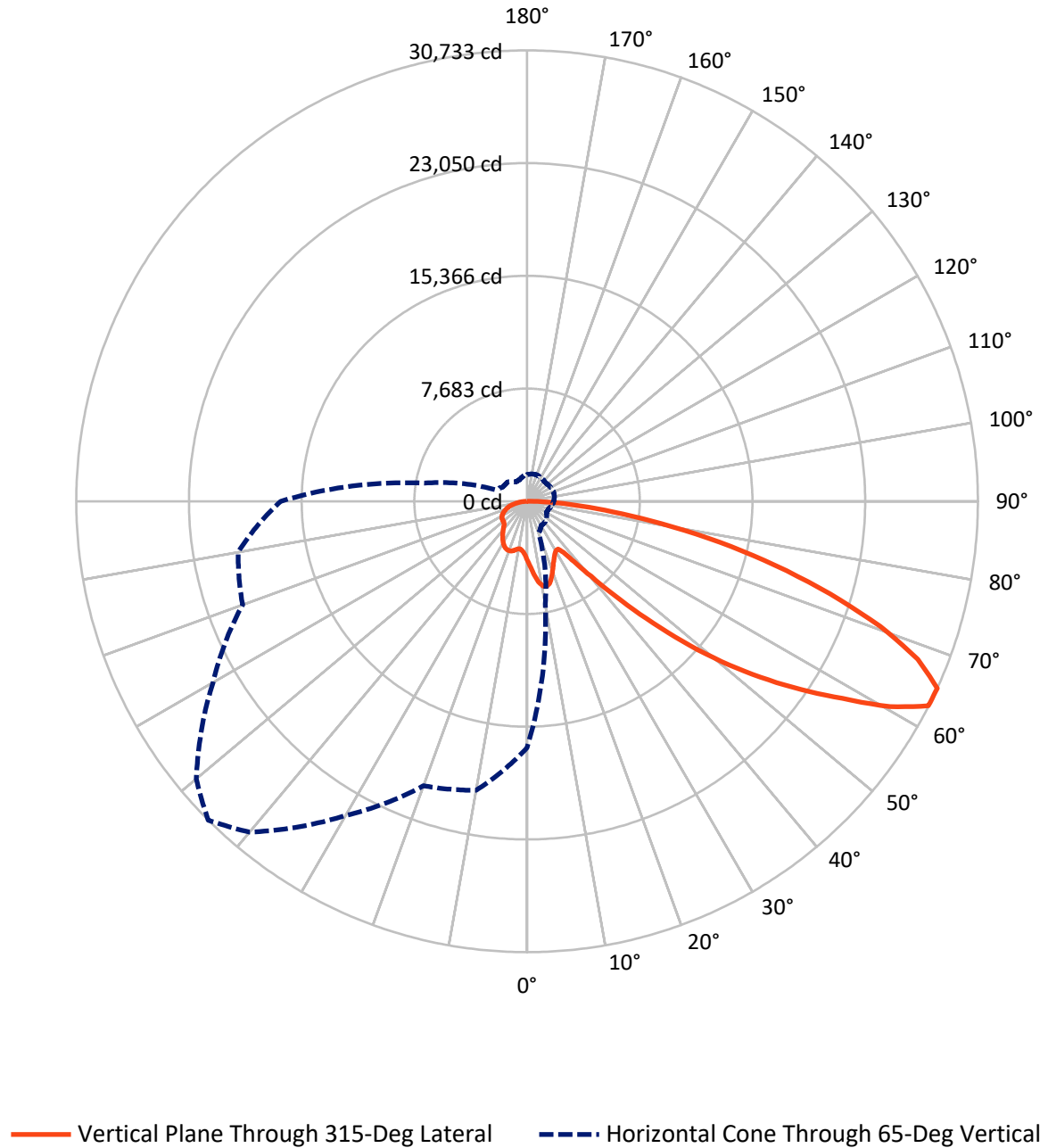
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7483.9	0.0	7483.9
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	21963.1	0.0	21963.1
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	29447.0	0.0	29447.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	401.7	1.4
10°-20°	1261.0	4.3
20°-30°	1947.7	6.6
30°-40°	2468.3	8.4
40°-50°	3722.8	12.6
50°-60°	6014.7	20.4
60°-70°	7498.3	25.5
70°-80°	4917.0	16.7
80°-90°	1215.6	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°	29447.0	100.0
0°-180°	29447.0	100.0



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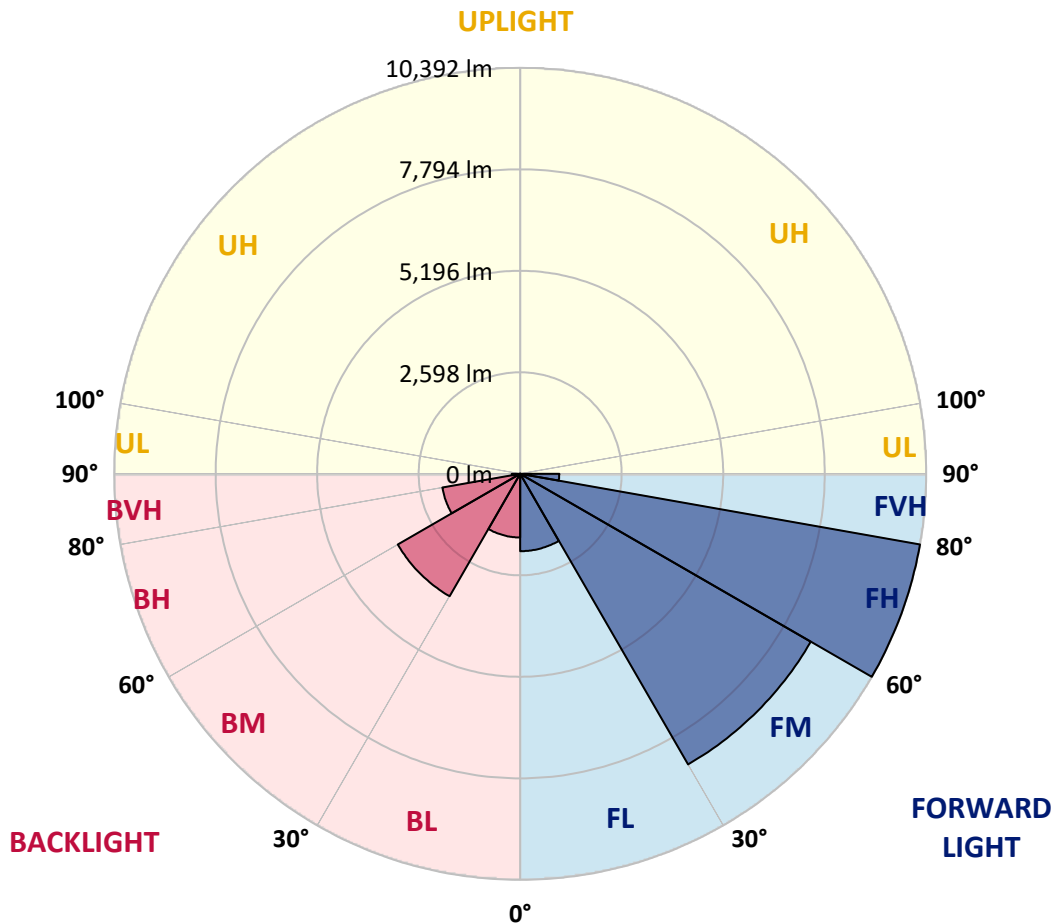
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1980.6	6.7			
FM (30°-60°)	8589.1	29.2			
FH (60°-80°)	10392.0	35.3			G4/12000
FVH (80°-90°)	1001.4	3.4			G5
BL (0°-30°)	1629.7	5.5	B3/2500		
BM (30°-60°)	3616.7	12.3	B3/5000		
BH (60°-80°)	2023.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	214.2	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2
2.5°	4354.5	4321.1	4287.7	4252.1	4216.7	4181.0	4145.2	4111.1	4076.9	4043.8
5°	4682.4	4608.6	4534.8	4461.1	4387.6	4313.5	4239.6	4170.4	4101.3	4036.0
7.5°	5011.8	4890.0	4768.3	4655.8	4543.3	4433.8	4324.2	4227.7	4131.3	4042.2
10°	5264.3	5110.3	4956.3	4807.6	4659.1	4526.1	4392.9	4278.9	4164.5	4054.7
12.5°	5418.9	5249.7	5080.6	4912.2	4743.8	4586.8	4429.9	4300.8	4171.7	4056.2
15°	5512.9	5336.5	5160.2	4977.5	4794.7	4614.0	4433.3	4283.8	4134.4	4006.5
17.5°	5565.7	5386.9	5208.0	5008.7	4809.3	4599.6	4389.8	4210.0	4030.3	3879.9
20°	5624.0	5438.2	5252.2	5033.1	4814.0	4559.8	4305.6	4082.8	3860.0	3684.8
22.5°	5691.6	5501.7	5311.7	5066.0	4820.2	4511.0	4201.8	3933.5	3665.1	3465.8
25°	5778.6	5592.5	5406.5	5125.7	4844.8	4462.8	4081.1	3766.7	3452.6	3248.2
27.5°	5896.7	5719.2	5541.6	5218.9	4896.0	4430.7	3965.3	3614.3	3263.3	3077.3
30°	6056.0	5884.4	5713.0	5339.7	4966.3	4415.6	3864.6	3486.9	3109.2	2953.0
32.5°	6244.0	6074.1	5904.5	5465.7	5026.9	4397.0	3766.7	3377.0	2987.2	2861.3
35°	6472.4	6309.8	6147.2	5609.2	5071.3	4361.8	3652.7	3269.1	2885.4	2780.5
37.5°	6856.9	6649.7	6442.4	5770.1	5097.7	4301.7	3505.7	3141.9	2778.2	2686.5
40°	7438.1	7136.0	6833.9	5974.2	5114.3	4218.9	3323.6	2990.3	2657.0	2573.9
42.5°	8208.8	7772.8	7336.8	6241.3	5145.9	4133.4	3121.3	2823.0	2524.6	2448.0
45°	9160.5	8572.3	7984.2	6592.8	5201.4	4054.0	2906.9	2645.2	2383.5	2305.8
47.5°	10350.7	9523.0	8695.1	6967.3	5239.4	3988.5	2737.5	2504.6	2271.7	2171.4
50°	11910.7	10662.8	9414.8	7314.7	5214.6	3917.0	2619.4	2411.2	2203.0	2071.2
52.5°	13701.5	11860.2	10018.9	7540.3	5061.5	3796.3	2531.1	2349.7	2168.3	2016.8
55°	15608.0	12921.8	10235.7	7490.6	4745.3	3596.1	2446.9	2305.1	2163.2	2022.3
57.5°	17342.0	13674.1	10006.2	7140.7	4275.3	3314.0	2352.5	2252.2	2152.0	2027.7
60°	18390.1	13862.1	9334.0	6489.5	3644.9	2947.6	2250.2	2171.4	2092.7	2010.6
62.5°	17857.9	13070.5	8283.0	5608.9	2934.8	2509.1	2083.3	2031.0	1978.8	1968.7
65°	16792.7	11950.3	7107.9	4710.5	2313.3	2114.6	1915.8	1891.1	1866.4	1867.7
67.5°	15365.6	10617.3	5869.0	3830.4	1791.8	1735.4	1678.9	1692.7	1706.4	1703.0
70°	13651.0	9162.8	4674.6	3015.9	1357.2	1373.4	1389.4	1453.4	1517.3	1517.3
72.5°	11607.7	7586.0	3564.4	2305.7	1047.0	1095.6	1144.4	1235.1	1325.7	1340.9
75°	9022.9	5778.4	2533.9	1673.4	813.0	857.1	901.2	1002.8	1104.4	1174.7
77.5°	6446.7	4044.4	1642.1	1134.0	625.9	655.9	686.0	784.7	883.3	999.1
80°	4219.4	2605.7	992.1	730.6	469.2	481.7	494.1	577.7	661.1	799.4
82.5°	2452.7	1508.1	563.7	449.4	335.3	337.5	340.0	401.5	463.0	581.1
85°	1079.1	678.4	277.8	240.2	202.8	201.7	200.4	245.5	290.6	378.4
87.5°	334.1	222.2	110.3	99.6	88.9	87.8	86.7	105.0	123.5	160.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
4049.2	0°	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2
4007.0	2.5°	3977.1	3947.4	3920.6	3893.8	3870.4	3846.9	3823.3	3799.8	3781.7	3763.3
3971.5	5°	3915.3	3858.9	3811.6	3764.6	3722.9	3681.3	3643.5	3605.6	3576.5	3547.3
3958.8	7.5°	3883.9	3809.2	3747.0	3684.8	3632.5	3580.0	3533.7	3487.5	3452.9	3418.4
3965.0	10°	3886.1	3807.1	3745.0	3682.8	3626.4	3569.9	3517.8	3465.8	3424.4	3382.9
3972.8	12.5°	3908.1	3843.8	3802.5	3761.5	3717.0	3672.9	3619.0	3565.2	3512.4	3459.5
3939.7	15°	3908.8	3878.0	3883.6	3889.2	3877.7	3866.2	3819.4	3772.6	3697.4	3622.2
3838.7	17.5°	3850.0	3861.2	3929.0	3996.7	4032.7	4068.6	4030.9	3993.3	3893.7	3794.1
3674.0	20°	3726.8	3779.6	3897.3	4015.0	4090.4	4165.8	4148.3	4130.8	4016.9	3903.2
3487.0	22.5°	3565.2	3643.4	3777.6	3912.2	4010.2	4108.3	4118.8	4129.2	4020.5	3911.7
3305.7	25°	3395.8	3486.0	3606.7	3727.6	3824.1	3920.6	3956.6	3992.5	3903.3	3814.3
3147.2	27.5°	3234.2	3321.3	3420.5	3519.7	3597.1	3674.4	3714.5	3754.8	3691.2	3627.8
3007.9	30°	3076.8	3146.1	3228.5	3310.8	3375.0	3439.3	3472.0	3504.6	3456.3	3407.8
2885.7	32.5°	2926.6	2967.5	3033.2	3099.1	3160.6	3222.3	3258.5	3294.8	3250.4	3205.8
2770.4	35°	2781.6	2793.0	2843.2	2893.2	2954.1	3015.2	3058.7	3102.2	3070.5	3038.9
2649.5	37.5°	2637.1	2624.7	2660.7	2696.6	2757.4	2818.3	2872.1	2925.8	2911.2	2896.6
2517.2	40°	2489.0	2460.9	2486.9	2512.8	2571.5	2630.3	2692.1	2754.1	2757.7	2761.1
2376.5	42.5°	2339.3	2302.0	2323.1	2344.4	2400.0	2455.8	2522.6	2589.4	2607.3	2625.2
2236.7	45°	2200.3	2164.1	2181.9	2199.9	2252.7	2305.5	2374.8	2444.1	2469.8	2495.4
2111.9	47.5°	2081.5	2051.0	2067.8	2084.4	2136.2	2187.8	2256.1	2324.5	2354.0	2383.5
2002.1	50°	1975.0	1948.2	1974.3	2000.5	2049.3	2097.9	2159.2	2220.4	2258.3	2296.2
1920.2	52.5°	1893.5	1866.9	1906.2	1945.4	1990.1	2034.7	2091.7	2148.9	2193.8	2238.7
1876.7	55°	1834.4	1792.3	1848.1	1903.7	1951.9	2000.1	2050.1	2100.0	2147.5	2195.2
1850.6	57.5°	1789.1	1727.5	1787.5	1847.5	1904.0	1960.6	2010.0	2059.6	2107.6	2155.4
1826.0	60°	1746.3	1666.5	1719.1	1771.6	1836.6	1901.5	1951.7	2002.1	2050.2	2098.4
1797.4	62.5°	1697.7	1598.1	1631.5	1664.9	1740.6	1816.4	1870.0	1923.6	1967.7	2011.9
1737.2	65°	1631.2	1525.1	1538.0	1550.7	1631.8	1713.1	1764.3	1815.6	1854.5	1893.3
1629.6	67.5°	1541.4	1453.1	1449.1	1445.0	1519.9	1595.0	1643.6	1692.1	1725.7	1759.2
1493.2	70°	1430.4	1367.7	1353.7	1339.7	1405.6	1471.5	1513.4	1555.4	1585.7	1616.0
1341.2	72.5°	1298.2	1255.2	1234.7	1214.3	1266.2	1317.9	1355.9	1393.8	1423.4	1453.1
1168.8	75°	1135.7	1102.4	1082.8	1063.1	1101.6	1140.2	1174.5	1208.9	1235.9	1262.9
996.0	77.5°	969.4	942.8	923.0	903.1	934.5	965.7	995.2	1024.7	1053.2	1081.4
799.0	80°	776.7	754.4	737.7	721.0	747.1	773.0	797.9	822.7	844.3	865.8
587.6	82.5°	576.8	565.9	554.1	542.3	540.1	537.9	529.2	520.5	566.5	612.5
386.9	85°	375.2	363.6	350.4	337.2	326.0	314.6	290.6	266.5	309.5	352.7
170.9	87.5°	166.3	161.6	159.1	156.6	156.2	155.7	137.4	118.9	136.9	155.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4049.2	0°	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2
3748.6	2.5°	3733.8	3722.3	3710.8	3700.2	3689.5	3676.3	3689.5	3700.2	3710.8	3722.3
3527.0	5°	3506.6	3492.2	3477.7	3466.7	3455.7	3444.8	3455.7	3466.7	3477.7	3492.2
3394.1	7.5°	3369.9	3353.3	3336.8	3326.9	3317.1	3309.6	3317.1	3326.9	3336.8	3353.3
3355.9	10°	3328.6	3312.9	3297.2	3288.8	3280.4	3277.0	3280.4	3288.8	3297.2	3312.9
3424.6	12.5°	3389.6	3372.1	3354.7	3347.5	3340.4	3339.1	3340.4	3347.5	3354.7	3372.1
3569.1	15°	3516.0	3491.6	3467.3	3458.0	3448.7	3447.9	3448.7	3458.0	3467.3	3491.6
3715.8	17.5°	3637.5	3601.4	3565.2	3553.4	3541.4	3539.6	3541.4	3553.4	3565.2	3601.4
3807.1	20°	3711.3	3665.1	3618.8	3604.1	3589.3	3584.6	3589.3	3604.1	3618.8	3665.1
3812.9	22.5°	3713.9	3665.3	3616.5	3600.2	3583.9	3576.9	3583.9	3600.2	3616.5	3665.3
3726.3	25°	3638.7	3596.4	3554.3	3538.9	3523.7	3514.7	3523.7	3538.9	3554.3	3596.4
3559.6	27.5°	3491.4	3463.1	3434.7	3427.7	3420.7	3418.4	3420.7	3427.7	3434.7	3463.1
3359.0	30°	3309.9	3295.5	3280.9	3280.9	3280.9	3283.2	3280.9	3280.9	3280.9	3295.5
3166.8	32.5°	3127.8	3118.3	3108.9	3110.1	3111.5	3113.8	3111.5	3110.1	3108.9	3118.3
3002.9	35°	2967.0	2952.5	2938.2	2935.1	2932.0	2930.5	2932.0	2935.1	2938.2	2952.5
2863.5	37.5°	2830.3	2804.0	2777.9	2764.1	2750.2	2742.5	2750.2	2764.1	2777.9	2804.0
2733.0	40°	2704.9	2666.6	2628.7	2602.9	2577.5	2562.2	2577.5	2602.9	2628.7	2666.6
2601.4	42.5°	2577.8	2530.4	2483.0	2445.5	2408.1	2383.5	2408.1	2445.5	2483.0	2530.4
2474.0	45°	2452.7	2398.5	2344.4	2300.4	2256.4	2228.2	2256.4	2300.4	2344.4	2398.5
2368.6	47.5°	2353.7	2305.5	2257.4	2216.7	2176.1	2148.9	2176.1	2216.7	2257.4	2305.5
2295.3	50°	2294.7	2256.1	2217.6	2180.0	2142.4	2116.3	2142.4	2180.0	2217.6	2256.1
2246.8	52.5°	2254.9	2223.5	2192.1	2158.4	2124.8	2100.7	2124.8	2158.4	2192.1	2223.5
2206.4	55°	2217.6	2190.2	2162.9	2133.4	2103.9	2082.1	2103.9	2133.4	2162.9	2190.2
2166.8	57.5°	2178.1	2150.5	2122.8	2093.6	2064.2	2041.7	2064.2	2093.6	2122.8	2150.5
2110.8	60°	2123.3	2096.2	2069.4	2039.2	2009.1	1985.8	2009.1	2039.2	2069.4	2096.2
2023.8	62.5°	2035.8	2011.4	1987.0	1955.3	1923.6	1895.6	1923.6	1955.3	1987.0	2011.4
1905.6	65°	1917.7	1894.2	1870.8	1840.0	1809.4	1785.3	1809.4	1840.0	1870.8	1894.2
1771.2	67.5°	1783.0	1761.4	1740.0	1711.4	1682.8	1661.0	1682.8	1711.4	1740.0	1761.4
1627.5	70°	1639.0	1621.4	1603.8	1576.5	1549.1	1524.3	1549.1	1576.5	1603.8	1621.4
1466.8	72.5°	1480.5	1465.9	1451.3	1425.2	1399.2	1375.1	1399.2	1425.2	1451.3	1465.9
1277.2	75°	1291.5	1284.4	1277.2	1255.3	1233.4	1210.4	1233.4	1255.3	1277.2	1284.4
1094.8	77.5°	1108.2	1098.2	1088.0	1065.9	1043.8	1025.5	1043.8	1065.9	1088.0	1098.2
883.5	80°	901.2	896.9	892.7	863.0	833.2	798.7	833.2	863.0	892.7	896.9
642.7	82.5°	672.8	670.9	668.9	643.9	618.7	596.7	618.7	643.9	668.9	670.9
390.0	85°	427.3	424.2	421.1	401.5	381.9	362.0	381.9	401.5	421.1	424.2
170.1	87.5°	185.2	181.5	177.4	167.5	157.2	147.6	157.2	167.5	177.4	181.5
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: P950512  
 CATALOG NUMBER: GALN-SB4D-940-U-SLR

**CANDELA DISTRIBUTION (continued):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4049.2	0°	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2
3733.8	2.5°	3748.6	3763.3	3781.7	3799.8	3823.3	3846.9	3870.4	3893.8	3920.6	3947.4
3506.6	5°	3527.0	3547.3	3576.5	3605.6	3643.5	3681.3	3722.9	3764.6	3811.6	3858.9
3369.9	7.5°	3394.1	3418.4	3452.9	3487.5	3533.7	3580.0	3632.5	3684.8	3747.0	3809.2
3328.6	10°	3355.9	3382.9	3424.4	3465.8	3517.8	3569.9	3626.4	3682.8	3745.0	3807.1
3389.6	12.5°	3424.6	3459.5	3512.4	3565.2	3619.0	3672.9	3717.0	3761.5	3802.5	3843.8
3516.0	15°	3569.1	3622.2	3697.4	3772.6	3819.4	3866.2	3877.7	3889.2	3883.6	3878.0
3637.5	17.5°	3715.8	3794.1	3893.7	3993.3	4030.9	4068.6	4032.7	3996.7	3929.0	3861.2
3711.3	20°	3807.1	3903.2	4016.9	4130.8	4148.3	4165.8	4090.4	4015.0	3897.3	3779.6
3713.9	22.5°	3812.9	3911.7	4020.5	4129.2	4118.8	4108.3	4010.2	3912.2	3777.6	3643.4
3638.7	25°	3726.3	3814.3	3903.3	3992.5	3956.6	3920.6	3824.1	3727.6	3606.7	3486.0
3491.4	27.5°	3559.6	3627.8	3691.2	3754.8	3714.5	3674.4	3597.1	3519.7	3420.5	3321.3
3309.9	30°	3359.0	3407.8	3456.3	3504.6	3472.0	3439.3	3375.0	3310.8	3228.5	3146.1
3127.8	32.5°	3166.8	3205.8	3250.4	3294.8	3258.5	3222.3	3160.6	3099.1	3033.2	2967.5
2967.0	35°	3002.9	3038.9	3070.5	3102.2	3058.7	3015.2	2954.1	2893.2	2843.2	2793.0
2830.3	37.5°	2863.5	2896.6	2911.2	2925.8	2872.1	2818.3	2757.4	2696.6	2660.7	2624.7
2704.9	40°	2733.0	2761.1	2757.7	2754.1	2692.1	2630.3	2571.5	2512.8	2486.9	2460.9
2577.8	42.5°	2601.4	2625.2	2607.3	2589.4	2522.6	2455.8	2400.0	2344.4	2323.1	2302.0
2452.7	45°	2474.0	2495.4	2469.8	2444.1	2374.8	2305.5	2252.7	2199.9	2181.9	2164.1
2353.7	47.5°	2368.6	2383.5	2354.0	2324.5	2256.1	2187.8	2136.2	2084.4	2067.8	2051.0
2294.7	50°	2295.3	2296.2	2258.3	2220.4	2159.2	2097.9	2049.3	2000.5	1974.3	1948.2
2254.9	52.5°	2246.8	2238.7	2193.8	2148.9	2091.7	2034.7	1990.1	1945.4	1906.2	1866.9
2217.6	55°	2206.4	2195.2	2147.5	2100.0	2050.1	2000.1	1951.9	1903.7	1848.1	1792.3
2178.1	57.5°	2166.8	2155.4	2107.6	2059.6	2010.0	1960.6	1904.0	1847.5	1787.5	1727.5
2123.3	60°	2110.8	2098.4	2050.2	2002.1	1951.7	1901.5	1836.6	1771.6	1719.1	1666.5
2035.8	62.5°	2023.8	2011.9	1967.7	1923.6	1870.0	1816.4	1740.6	1664.9	1631.5	1598.1
1917.7	65°	1905.6	1893.3	1854.5	1815.6	1764.3	1713.1	1631.8	1550.7	1538.0	1525.1
1783.0	67.5°	1771.2	1759.2	1725.7	1692.1	1643.6	1595.0	1519.9	1445.0	1449.1	1453.1
1639.0	70°	1627.5	1616.0	1585.7	1555.4	1513.4	1471.5	1405.6	1339.7	1353.7	1367.7
1480.5	72.5°	1466.8	1453.1	1423.4	1393.8	1355.9	1317.9	1266.2	1214.3	1234.7	1255.2
1291.5	75°	1277.2	1262.9	1235.9	1208.9	1174.5	1140.2	1101.6	1063.1	1082.8	1102.4
1108.2	77.5°	1094.8	1081.4	1053.2	1024.7	995.2	965.7	934.5	903.1	923.0	942.8
901.2	80°	883.5	865.8	844.3	822.7	797.9	773.0	747.1	721.0	737.7	754.4
672.8	82.5°	642.7	612.5	566.5	520.5	529.2	537.9	540.1	542.3	554.1	565.9
427.3	85°	390.0	352.7	309.5	266.5	290.6	314.6	326.0	337.2	350.4	363.6
185.2	87.5°	170.1	155.1	136.9	118.9	137.4	155.7	156.2	156.6	159.1	161.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4049.2	0°	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2
3977.1	2.5°	4007.0	4043.8	4076.9	4111.1	4145.2	4181.0	4216.7	4252.1	4287.7	4321.1
3915.3	5°	3971.5	4036.0	4101.3	4170.4	4239.6	4313.5	4387.6	4461.1	4534.8	4608.6
3883.9	7.5°	3958.8	4042.2	4131.3	4227.7	4324.2	4433.8	4543.3	4655.8	4768.3	4890.0
3886.1	10°	3965.0	4054.7	4164.5	4278.9	4392.9	4526.1	4659.1	4807.6	4956.3	5110.3
3908.1	12.5°	3972.8	4056.2	4171.7	4300.8	4429.9	4586.8	4743.8	4912.2	5080.6	5249.7
3908.8	15°	3939.7	4006.5	4134.4	4283.8	4433.3	4614.0	4794.7	4977.5	5160.2	5336.5
3850.0	17.5°	3838.7	3879.9	4030.3	4210.0	4389.8	4599.6	4809.3	5008.7	5208.0	5386.9
3726.8	20°	3674.0	3684.8	3860.0	4082.8	4305.6	4559.8	4814.0	5033.1	5252.2	5438.2
3565.2	22.5°	3487.0	3465.8	3665.1	3933.5	4201.8	4511.0	4820.2	5066.0	5311.7	5501.7
3395.8	25°	3305.7	3248.2	3452.6	3766.7	4081.1	4462.8	4844.8	5125.7	5406.5	5592.5
3234.2	27.5°	3147.2	3077.3	3263.3	3614.3	3965.3	4430.7	4896.0	5218.9	5541.6	5719.2
3076.8	30°	3007.9	2953.0	3109.2	3486.9	3864.6	4415.6	4966.3	5339.7	5713.0	5884.4
2926.6	32.5°	2885.7	2861.3	2987.2	3377.0	3766.7	4397.0	5026.9	5465.7	5904.5	6074.1
2781.6	35°	2770.4	2780.5	2885.4	3269.1	3652.7	4361.8	5071.3	5609.2	6147.2	6309.8
2637.1	37.5°	2649.5	2686.5	2778.2	3141.9	3505.7	4301.7	5097.7	5770.1	6442.4	6649.7
2489.0	40°	2517.2	2573.9	2657.0	2990.3	3323.6	4218.9	5114.3	5974.2	6833.9	7136.0
2339.3	42.5°	2376.5	2448.0	2524.6	2823.0	3121.3	4133.4	5145.9	6241.3	7336.8	7772.8
2200.3	45°	2236.7	2305.8	2383.5	2645.2	2906.9	4054.0	5201.4	6592.8	7984.2	8572.3
2081.5	47.5°	2111.9	2171.4	2271.7	2504.6	2737.5	3988.5	5239.4	6967.3	8695.1	9523.0
1975.0	50°	2002.1	2071.2	2203.0	2411.2	2619.4	3917.0	5214.6	7314.7	9414.8	10662.8
1893.5	52.5°	1920.2	2016.8	2168.3	2349.7	2531.1	3796.3	5061.5	7540.3	10018.9	11860.2
1834.4	55°	1876.7	2022.3	2163.2	2305.1	2446.9	3596.1	4745.3	7490.6	10235.7	12921.8
1789.1	57.5°	1850.6	2027.7	2152.0	2252.2	2352.5	3314.0	4275.3	7140.7	10006.2	13674.1
1746.3	60°	1826.0	2010.6	2092.7	2171.4	2250.2	2947.6	3644.9	6489.5	9334.0	13862.1
1697.7	62.5°	1797.4	1968.7	1978.8	2031.0	2083.3	2509.1	2934.8	5608.9	8283.0	13070.5
1631.2	65°	1737.2	1867.7	1866.4	1891.1	1915.8	2114.6	2313.3	4710.5	7107.9	11950.3
1541.4	67.5°	1629.6	1703.0	1706.4	1692.7	1678.9	1735.4	1791.8	3830.4	5869.0	10617.3
1430.4	70°	1493.2	1517.3	1517.3	1453.4	1389.4	1373.4	1357.2	3015.9	4674.6	9162.8
1298.2	72.5°	1341.2	1340.9	1325.7	1235.1	1144.4	1095.6	1047.0	2305.7	3564.4	7586.0
1135.7	75°	1168.8	1174.7	1104.4	1002.8	901.2	857.1	813.0	1673.4	2533.9	5778.4
969.4	77.5°	996.0	999.1	883.3	784.7	686.0	655.9	625.9	1134.0	1642.1	4044.4
776.7	80°	799.0	799.4	661.1	577.7	494.1	481.7	469.2	730.6	992.1	2605.7
576.8	82.5°	587.6	581.1	463.0	401.5	340.0	337.5	335.3	449.4	563.7	1508.1
375.2	85°	386.9	378.4	290.6	245.5	200.4	201.7	202.8	240.2	277.8	678.4
166.3	87.5°	170.9	160.0	123.5	105.0	86.7	87.8	88.9	99.6	110.3	222.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4049.2	0°	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2
4354.5	2.5°	4371.0	4387.6	4411.1	4434.6	4448.5	4462.5	4469.5	4476.5	4473.4	4476.5
4682.4	5°	4740.0	4797.8	4855.0	4912.4	4943.4	4974.5	4993.3	5012.3	5026.6	5012.3
5011.8	7.5°	5105.6	5199.3	5283.7	5368.1	5418.9	5469.7	5497.2	5524.6	5537.8	5524.6
5264.3	10°	5375.2	5486.2	5585.2	5684.1	5744.1	5803.8	5830.5	5857.1	5867.2	5857.1
5418.9	12.5°	5539.2	5659.3	5748.8	5838.0	5881.5	5925.0	5939.6	5954.2	5955.7	5954.2
5512.9	15°	5616.7	5720.3	5776.4	5832.7	5834.2	5835.8	5820.2	5804.7	5786.4	5804.7
5565.7	17.5°	5635.8	5705.9	5707.0	5707.9	5645.0	5582.0	5524.4	5466.6	5425.9	5466.6
5624.0	20°	5648.4	5672.9	5599.1	5525.3	5386.4	5247.5	5146.4	5045.2	4983.1	5045.2
5691.6	22.5°	5659.6	5627.6	5474.7	5321.8	5117.5	4913.1	4786.7	4660.2	4591.5	4660.2
5778.6	25°	5677.6	5576.6	5344.5	5112.3	4864.2	4616.0	4483.0	4350.3	4285.4	4350.3
5896.7	27.5°	5716.1	5535.4	5227.9	4920.6	4645.6	4370.5	4239.7	4109.0	4047.7	4109.0
6056.0	30°	5786.7	5517.6	5139.1	4760.5	4474.0	4187.5	4066.2	3944.8	3887.6	3944.8
6244.0	32.5°	5875.2	5506.7	5078.5	4650.2	4381.0	4111.7	4016.4	3921.0	3879.9	3921.0
6472.4	35°	6021.2	5570.1	5123.8	4677.7	4490.7	4303.7	4281.5	4259.3	4255.9	4259.3
6856.9	37.5°	6326.2	5795.4	5389.8	4984.3	4972.2	4960.1	5061.7	5163.3	5216.1	5163.3
7438.1	40°	6860.8	6283.6	5982.0	5680.4	5893.3	6106.1	6353.2	6600.3	6723.3	6600.3
8208.8	42.5°	7636.0	7063.3	6889.6	6715.9	7180.1	7644.4	8093.8	8543.1	8807.0	8543.1
9160.5	45°	8646.0	8131.4	8054.8	7978.0	8721.8	9465.8	10204.1	10942.7	11390.9	10942.7
10350.7	47.5°	9850.2	9349.6	9334.0	9318.5	10391.5	11464.3	12545.3	13626.1	14260.8	13626.1
11910.7	50°	11292.4	10674.3	10677.0	10679.6	12062.5	13445.4	14872.2	16299.1	17161.8	16299.1
13701.5	52.5°	12952.8	12204.4	12128.7	12052.9	13704.7	15356.6	17122.0	18887.3	19921.3	18887.3
15608.0	55°	14868.4	14128.7	13833.7	13538.6	15377.1	17215.4	19320.0	21424.6	22654.5	21424.6
17342.0	57.5°	16939.3	16536.4	15944.5	15352.8	17209.2	19065.5	21449.3	23833.0	25358.1	23833.0
18390.1	60°	19015.6	19641.3	18906.4	18171.4	19928.2	21684.9	24237.2	26789.5	28437.7	26789.5
17857.9	62.5°	19567.2	21276.6	21193.7	21110.8	22720.0	24329.5	26757.8	29185.9	30709.4	29185.9
16792.7	65°	18397.1	20001.4	20318.8	20636.1	22681.2	24726.5	27081.1	29435.6	30732.7	29435.6
15365.6	67.5°	16891.4	18417.3	18566.1	18714.8	20845.7	22976.4	25341.2	27705.9	28722.1	27705.9
13651.0	70°	15310.6	16970.3	17036.9	17103.5	19009.1	20914.5	22949.5	24984.4	25549.2	24984.4
11607.7	72.5°	13512.2	15416.9	15464.7	15512.4	17003.3	18494.2	20018.3	21542.3	21599.4	21542.3
9022.9	75°	10994.1	12965.3	13142.2	13319.2	14479.1	15639.0	16712.0	17784.9	17497.4	17784.9
6446.7	77.5°	8286.8	10126.9	10380.2	10633.5	11515.2	12397.0	13157.9	13919.0	13424.9	13919.0
4219.4	80°	5767.4	7315.3	7630.1	7944.9	8610.9	9276.5	9676.2	10075.6	9280.9	10075.6
2452.7	82.5°	3511.0	4569.4	4921.1	5272.8	5731.2	6189.6	6356.3	6522.9	5898.2	6522.9
1079.1	85°	1640.8	2202.5	2501.6	2800.7	3177.4	3553.9	3648.5	3743.1	3242.8	3743.1
334.1	87.5°	522.9	711.6	878.5	1045.4	1233.7	1422.0	1430.1	1438.0	1207.3	1438.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

325°		330°	335°	340°	345°	350°	355°	360°
4049.2	0°	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2	4049.2
4469.5	2.5°	4462.5	4448.5	4434.6	4411.1	4387.6	4371.0	4354.5
4993.3	5°	4974.5	4943.4	4912.4	4855.0	4797.8	4740.0	4682.4
5497.2	7.5°	5469.7	5418.9	5368.1	5283.7	5199.3	5105.6	5011.8
5830.5	10°	5803.8	5744.1	5684.1	5585.2	5486.2	5375.2	5264.3
5939.6	12.5°	5925.0	5881.5	5838.0	5748.8	5659.3	5539.2	5418.9
5820.2	15°	5835.8	5834.2	5832.7	5776.4	5720.3	5616.7	5512.9
5524.4	17.5°	5582.0	5645.0	5707.9	5707.0	5705.9	5635.8	5565.7
5146.4	20°	5247.5	5386.4	5525.3	5599.1	5672.9	5648.4	5624.0
4786.7	22.5°	4913.1	5117.5	5321.8	5474.7	5627.6	5659.6	5691.6
4483.0	25°	4616.0	4864.2	5112.3	5344.5	5576.6	5677.6	5778.6
4239.7	27.5°	4370.5	4645.6	4920.6	5227.9	5535.4	5716.1	5896.7
4066.2	30°	4187.5	4474.0	4760.5	5139.1	5517.6	5786.7	6056.0
4016.4	32.5°	4111.7	4381.0	4650.2	5078.5	5506.7	5875.2	6244.0
4281.5	35°	4303.7	4490.7	4677.7	5123.8	5570.1	6021.2	6472.4
5061.7	37.5°	4960.1	4972.2	4984.3	5389.8	5795.4	6326.2	6856.9
6353.2	40°	6106.1	5893.3	5680.4	5982.0	6283.6	6860.8	7438.1
8093.8	42.5°	7644.4	7180.1	6715.9	6889.6	7063.3	7636.0	8208.8
10204.1	45°	9465.8	8721.8	7978.0	8054.8	8131.4	8646.0	9160.5
12545.3	47.5°	11464.3	10391.5	9318.5	9334.0	9349.6	9850.2	10350.7
14872.2	50°	13445.4	12062.5	10679.6	10677.0	10674.3	11292.4	11910.7
17122.0	52.5°	15356.6	13704.7	12052.9	12128.7	12204.4	12952.8	13701.5
19320.0	55°	17215.4	15377.1	13538.6	13833.7	14128.7	14868.4	15608.0
21449.3	57.5°	19065.5	17209.2	15352.8	15944.5	16536.4	16939.3	17342.0
24237.2	60°	21684.9	19928.2	18171.4	18906.4	19641.3	19015.6	18390.1
26757.8	62.5°	24329.5	22720.0	21110.8	21193.7	21276.6	19567.2	17857.9
27081.1	65°	24726.5	22681.2	20636.1	20318.8	20001.4	18397.1	16792.7
25341.2	67.5°	22976.4	20845.7	18714.8	18566.1	18417.3	16891.4	15365.6
22949.5	70°	20914.5	19009.1	17103.5	17036.9	16970.3	15310.6	13651.0
20018.3	72.5°	18494.2	17003.3	15512.4	15464.7	15416.9	13512.2	11607.7
16712.0	75°	15639.0	14479.1	13319.2	13142.2	12965.3	10994.1	9022.9
13157.9	77.5°	12397.0	11515.2	10633.5	10380.2	10126.9	8286.8	6446.7
9676.2	80°	9276.5	8610.9	7944.9	7630.1	7315.3	5767.4	4219.4
6356.3	82.5°	6189.6	5731.2	5272.8	4921.1	4569.4	3511.0	2452.7
3648.5	85°	3553.9	3177.4	2800.7	2501.6	2202.5	1640.8	1079.1
1430.1	87.5°	1422.0	1233.7	1045.4	878.5	711.6	522.9	334.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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