

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: LUMARK

Report Number: P969275

Luminaire Tested: **NAV-SB5D-730-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P969275  
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: LUMARK  
Catalog Number: NAV-SB5D-730-U-SLL  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

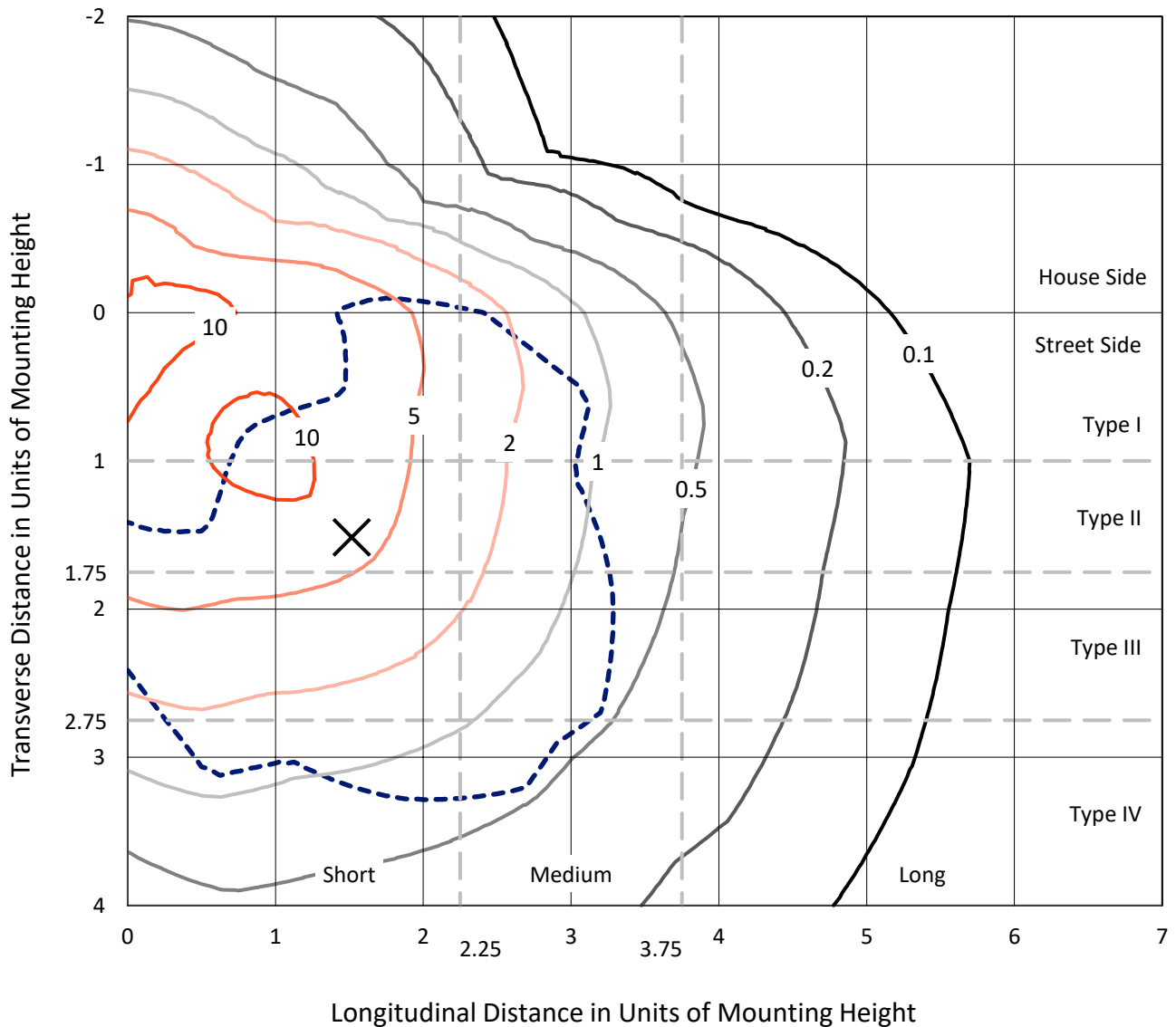
Lumens per Lamp: N/A  
Luminaire Lumens: 52499.5 lumens  
Efficiency: N/A  
Efficacy: 143.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

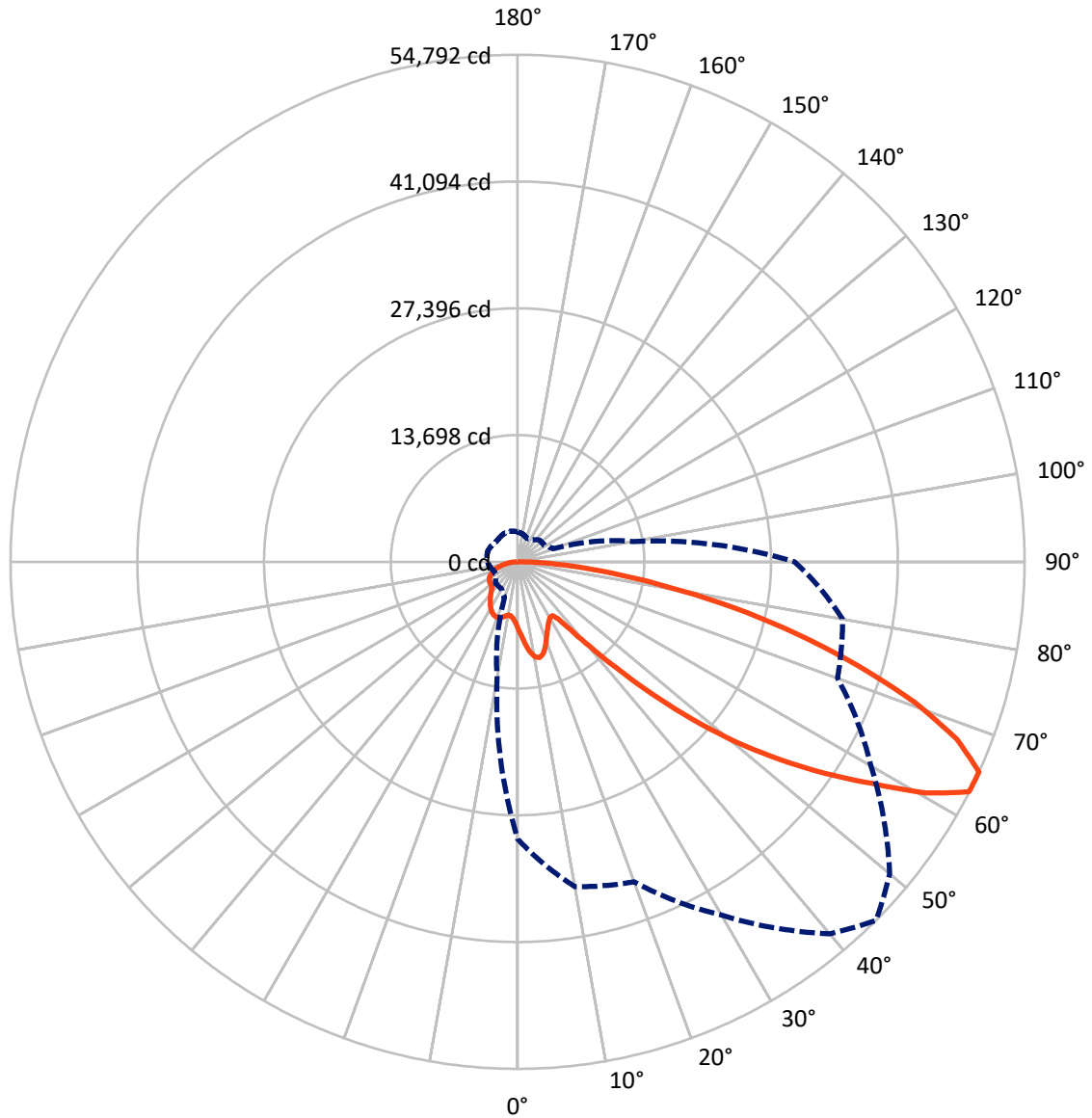
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13342.7	0.0	13342.7
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	39156.8	0.0	39156.8
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	52499.5	0.0	52499.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	716.1	1.4
10°-20°	2248.1	4.3
20°-30°	3472.5	6.6
30°-40°	4400.5	8.4
40°-50°	6637.1	12.6
50°-60°	10723.3	20.4
60°-70°	13368.3	25.5
70°-80°	8766.3	16.7
80°-90°	2167.2	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°	52499.5	100.0
0°-180°	52499.5	100.0

**Coefficient of Utilization**

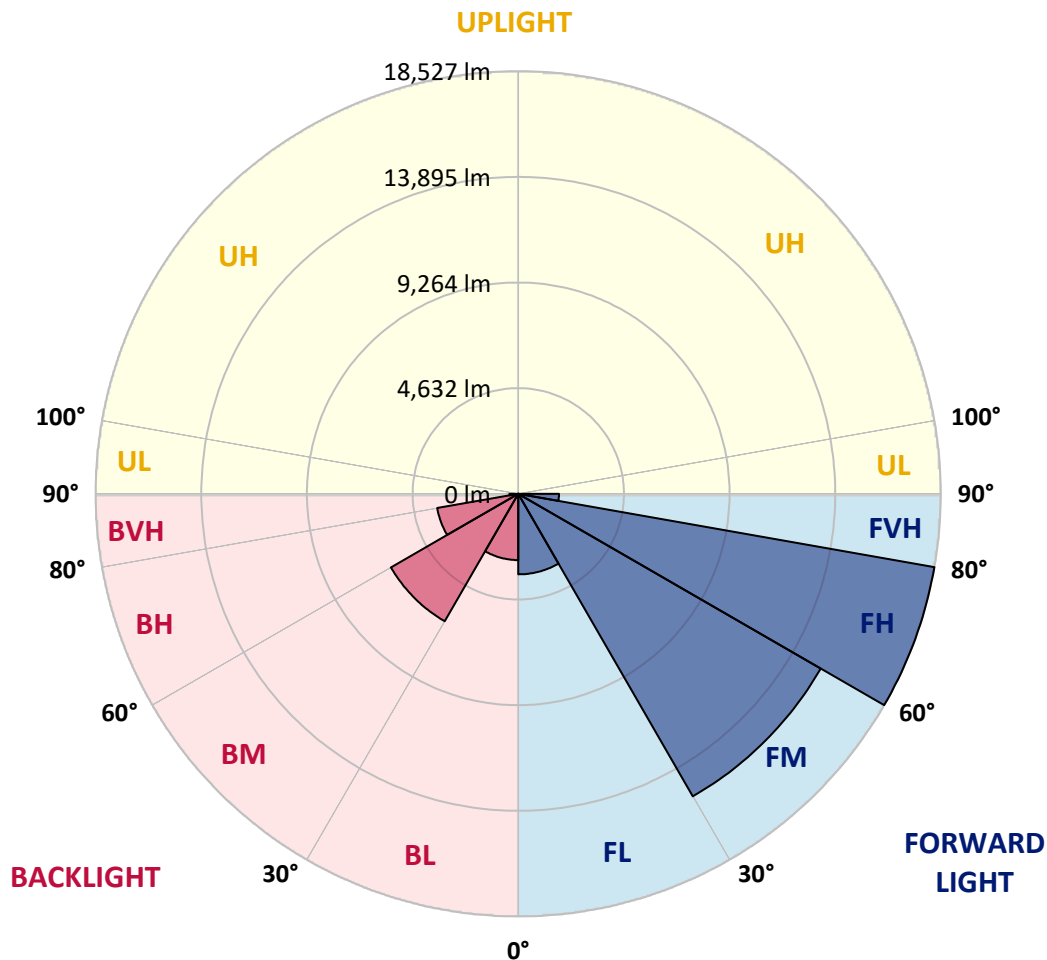


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3531.2	6.7			
FM (30°-60°)	15313.0	29.2			
FH (60°-80°)	18527.3	35.3			G5
FVH (80°-90°)	1785.3	3.4			G5
BL (0°-30°)	2905.5	5.5	B4/5000		
BM (30°-60°)	6448.0	12.3	B4/8500		
BH (60°-80°)	3607.3	6.9	B4/5000		G4/5000
BVH (80°-90°)	381.9	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2
2.5°	7763.5	7792.9	7822.5	7864.3	7906.1	7931.0	7956.0	7968.5	7981.0	7975.4	7981.0
5°	8348.0	8450.7	8553.8	8655.7	8758.0	8813.4	8868.8	8902.3	8936.1	8961.6	8936.1
7.5°	8935.2	9102.6	9269.6	9420.1	9570.4	9661.0	9751.6	9800.6	9849.4	9873.0	9849.4
10°	9385.4	9583.2	9781.0	9957.5	10134.0	10240.9	10347.3	10394.8	10442.3	10460.2	10442.3
12.5°	9661.0	9875.5	10089.6	10249.2	10408.2	10485.8	10563.3	10589.4	10615.4	10618.2	10615.4
15°	9828.6	10013.7	10198.4	10298.5	10398.7	10401.5	10404.3	10376.6	10348.9	10316.2	10348.9
17.5°	9922.8	10047.8	10172.7	10174.7	10176.3	10064.2	9951.9	9849.1	9746.1	9673.5	9746.1
20°	10026.8	10070.2	10114.0	9982.4	9850.9	9603.1	9355.5	9175.2	8994.8	8884.0	8994.8
22.5°	10147.2	10090.2	10033.1	9760.5	9487.9	9123.6	8759.3	8533.8	8308.3	8186.0	8308.3
25°	10302.4	10122.3	9942.2	9528.4	9114.5	8672.1	8229.7	7992.5	7756.0	7640.2	7756.0
27.5°	10512.9	10191.0	9868.8	9320.6	8772.7	8282.3	7792.0	7558.8	7325.8	7216.4	7325.8
30°	10796.8	10316.7	9836.9	9162.2	8487.3	7976.6	7465.7	7249.3	7032.9	6931.0	7032.9
32.5°	11132.0	10474.7	9817.6	9054.1	8290.6	7810.6	7330.5	7160.6	6990.6	6917.2	6990.6
35°	11539.2	10734.8	9930.6	9135.0	8339.7	8006.2	7672.8	7633.3	7593.6	7587.6	7593.6
37.5°	12224.9	11278.6	10332.3	9609.3	8886.2	8864.6	8843.0	9024.2	9205.3	9299.5	9205.3
40°	13260.9	12231.8	11202.6	10665.0	10127.3	10506.8	10886.3	11326.8	11767.2	11986.7	11767.2
42.5°	14635.0	13613.8	12592.7	12283.1	11973.3	12801.1	13628.8	14430.0	15231.1	15701.5	15231.1
45°	16331.7	15414.5	14497.0	14360.5	14223.6	15549.7	16876.0	18192.4	19509.1	20308.3	19509.1
47.5°	18453.7	17561.4	16668.9	16641.1	16613.4	18526.5	20439.0	22366.3	24293.2	25424.8	24293.2
50°	21234.9	20132.6	19030.7	19035.4	19040.1	21505.6	23971.1	26514.9	29058.7	30596.8	29058.7
52.5°	24427.6	23092.9	21758.5	21623.6	21488.4	24433.4	27378.4	30525.9	33673.1	35516.7	33673.1
55°	27826.6	26508.0	25189.4	24663.3	24137.3	27415.0	30692.4	34444.6	38196.8	40389.4	38196.8
57.5°	30918.2	30200.1	29481.8	28426.6	27371.7	30681.3	33990.8	38240.9	42490.7	45209.6	42490.7
60°	32786.7	33902.0	35017.5	33707.2	32396.9	35528.9	38660.8	43211.1	47761.5	50700.1	47761.5
62.5°	31837.8	34885.4	37932.9	37785.2	37637.3	40506.4	43375.7	47704.9	52033.9	54750.2	52033.9
65°	29938.9	32799.1	35659.3	36225.3	36790.9	40437.1	44083.5	48281.5	52479.2	54791.7	52479.2
67.5°	27394.5	30114.8	32835.2	33100.5	33365.6	37164.7	40963.4	45179.4	49395.4	51207.1	49395.4
70°	24337.6	27296.4	30255.5	30374.1	30492.9	33890.3	37287.3	40915.5	44543.3	45550.3	44543.3
72.5°	20694.8	24090.2	27485.9	27571.2	27656.2	30314.3	32972.3	35689.6	38406.5	38508.5	38406.5
75°	16086.6	19600.8	23115.1	23430.6	23746.1	25814.1	27882.0	29794.8	31707.7	31195.2	31707.7
77.5°	11493.5	14774.0	18054.8	18506.3	18957.8	20529.9	22102.0	23458.6	24815.5	23934.5	24815.5
80°	7522.5	10282.4	13042.1	13603.3	14164.6	15351.8	16538.6	17251.2	17963.3	16546.4	17963.3
82.5°	4372.8	6259.6	8146.6	8773.5	9400.7	10217.9	11035.0	11332.3	11629.2	10515.7	11629.2
85°	1923.9	2925.4	3926.8	4460.0	4993.3	5664.8	6336.0	6504.6	6673.4	5781.4	6673.4
87.5°	595.6	932.1	1268.7	1566.3	1863.8	2199.5	2535.2	2549.7	2563.8	2152.4	2563.8
90°	0.0	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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2
2.5°	7968.5	7956.0	7931.0	7906.1	7864.3	7822.5	7792.9	7763.5	7703.9	7644.3	7580.9
5°	8902.3	8868.8	8813.4	8758.0	8655.7	8553.8	8450.7	8348.0	8216.4	8084.8	7953.5
7.5°	9800.6	9751.6	9661.0	9570.4	9420.1	9269.6	9102.6	8935.2	8718.0	8501.1	8300.7
10°	10394.8	10347.3	10240.9	10134.0	9957.5	9781.0	9583.2	9385.4	9110.9	8836.3	8571.3
12.5°	10589.4	10563.3	10485.8	10408.2	10249.2	10089.6	9875.5	9661.0	9359.4	9058.0	8757.7
15°	10376.6	10404.3	10401.5	10398.7	10298.5	10198.4	10013.7	9828.6	9514.3	9199.8	8874.0
17.5°	9849.1	9951.9	10064.2	10176.3	10174.7	10172.7	10047.8	9922.8	9603.9	9285.2	8929.7
20°	9175.2	9355.5	9603.1	9850.9	9982.4	10114.0	10070.2	10026.8	9695.4	9363.8	8973.3
22.5°	8533.8	8759.3	9123.6	9487.9	9760.5	10033.1	10090.2	10147.2	9808.7	9469.9	9032.0
25°	7992.5	8229.7	8672.1	9114.5	9528.4	9942.2	10122.3	10302.4	9970.5	9638.9	9138.3
27.5°	7558.8	7792.0	8282.3	8772.7	9320.6	9868.8	10191.0	10512.9	10196.5	9879.9	9304.5
30°	7249.3	7465.7	7976.6	8487.3	9162.2	9836.9	10316.7	10796.8	10491.0	10185.4	9519.8
32.5°	7160.6	7330.5	7810.6	8290.6	9054.1	9817.6	10474.7	11132.0	10829.2	10526.7	9744.5
35°	7633.3	7672.8	8006.2	8339.7	9135.0	9930.6	10734.8	11539.2	11249.5	10959.4	10000.4
37.5°	9024.2	8843.0	8864.6	8886.2	9609.3	10332.3	11278.6	12224.9	11855.4	11485.7	10287.1
40°	11326.8	10886.3	10506.8	10127.3	10665.0	11202.6	12231.8	13260.9	12722.4	12183.9	10651.1
42.5°	14430.0	13628.8	12801.1	11973.3	12283.1	12592.7	13613.8	14635.0	13857.6	13080.3	11127.3
45°	18192.4	16876.0	15549.7	14223.6	14360.5	14497.0	15414.5	16331.7	15283.2	14234.7	11754.0
47.5°	22366.3	20439.0	18526.5	16613.4	16641.1	16668.9	17561.4	18453.7	16978.0	15502.0	12421.6
50°	26514.9	23971.1	21505.6	19040.1	19035.4	19030.7	20132.6	21234.9	19010.2	16785.2	13041.0
52.5°	30525.9	27378.4	24433.4	21488.4	21623.6	21758.5	23092.9	24427.6	21144.9	17862.3	13443.2
55°	34444.6	30692.4	27415.0	24137.3	24663.3	25189.4	26508.0	27826.6	23037.5	18248.7	13354.5
57.5°	38240.9	33990.8	30681.3	27371.7	28426.6	29481.8	30200.1	30918.2	24378.8	17839.5	12730.7
60°	43211.1	38660.8	35528.9	32396.9	33707.2	35017.5	33902.0	32786.7	24714.0	16641.1	11569.7
62.5°	47704.9	43375.7	40506.4	37637.3	37785.2	37932.9	34885.4	31837.8	23302.7	14767.4	9999.9
65°	48281.5	44083.5	40437.1	36790.9	36225.3	35659.3	32799.1	29938.9	21305.5	12672.3	8398.1
67.5°	45179.4	40963.4	37164.7	33365.6	33100.5	32835.2	30114.8	27394.5	18929.0	10463.6	6829.1
70°	40915.5	37287.3	33890.3	30492.9	30374.1	30255.5	27296.4	24337.6	16335.8	8334.2	5376.9
72.5°	35689.6	32972.3	30314.3	27656.2	27571.2	27485.9	24090.2	20694.8	13524.7	6354.8	4110.7
75°	29794.8	27882.0	25814.1	23746.1	23430.6	23115.1	19600.8	16086.6	10302.1	4517.6	2983.5
77.5°	23458.6	22102.0	20529.9	18957.8	18506.3	18054.8	14774.0	11493.5	7210.6	2927.5	2021.7
80°	17251.2	16538.6	15351.8	14164.6	13603.3	13042.1	10282.4	7522.5	4645.6	1768.7	1302.6
82.5°	11332.3	11035.0	10217.9	9400.7	8773.5	8146.6	6259.6	4372.8	2688.8	1005.0	801.1
85°	6504.6	6336.0	5664.8	4993.3	4460.0	3926.8	2925.4	1923.9	1209.5	495.3	428.2
87.5°	2549.7	2535.2	2199.5	1863.8	1566.3	1268.7	932.1	595.6	396.2	196.7	177.5
90°	0.0	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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2
2.5°	7517.8	7454.0	7390.4	7329.4	7268.5	7209.4	7143.7	7090.6	7037.6	6989.8	6942.1
5°	7822.5	7690.4	7558.5	7435.2	7311.9	7195.6	7080.6	6980.4	6879.8	6795.5	6711.6
7.5°	8100.1	7904.8	7709.4	7537.4	7365.4	7206.7	7057.9	6924.4	6791.1	6680.3	6569.5
10°	8306.4	8069.3	7831.9	7628.6	7424.7	7228.8	7069.0	6928.3	6787.6	6676.7	6565.9
12.5°	8457.4	8177.7	7897.8	7667.6	7437.4	7231.6	7082.9	6967.6	6852.9	6779.2	6706.1
15°	8548.3	8226.1	7903.9	7637.5	7371.0	7142.9	7023.8	6968.7	6913.8	6923.9	6933.8
17.5°	8574.3	8200.3	7826.4	7505.9	7185.4	6917.2	6843.7	6864.0	6883.9	7004.7	7125.5
20°	8582.6	8129.4	7676.2	7278.9	6881.7	6569.5	6550.2	6644.4	6738.5	6948.2	7158.2
22.5°	8593.7	8042.5	7491.2	7012.7	6534.4	6178.9	6216.8	6356.2	6495.5	6734.9	6974.8
25°	8637.5	7956.6	7276.0	6715.5	6155.3	5791.0	5893.5	6054.3	6215.0	6430.1	6645.7
27.5°	8728.9	7899.2	7069.5	6443.8	5818.0	5486.4	5611.1	5766.1	5921.3	6098.3	6275.0
30°	8854.1	7872.3	6890.0	6216.6	5543.2	5264.7	5362.6	5485.5	5609.1	5755.9	5902.8
32.5°	8962.1	7839.1	6715.5	6020.7	5325.7	5101.3	5144.8	5217.7	5290.5	5407.7	5525.2
35°	9041.3	7776.5	6512.1	5828.3	5144.3	4957.3	4939.3	4959.2	4979.4	5068.9	5158.1
37.5°	9088.5	7669.3	6250.1	5601.6	4953.1	4789.6	4723.7	4701.6	4679.4	4743.7	4807.7
40°	9118.1	7521.7	5925.4	5331.2	4737.0	4588.8	4487.8	4437.5	4387.4	4433.7	4480.0
42.5°	9174.4	7369.2	5564.7	5032.9	4501.0	4364.4	4237.0	4170.5	4104.0	4141.7	4179.6
45°	9273.3	7227.7	5182.5	4716.0	4249.4	4111.0	3987.7	3922.9	3858.3	3889.9	3922.1
47.5°	9341.1	7110.8	4880.5	4465.3	4050.0	3871.3	3765.2	3710.9	3656.7	3686.6	3716.2
50°	9296.8	6983.4	4670.0	4298.7	3927.6	3692.7	3569.4	3521.2	3473.3	3519.8	3566.6
52.5°	9023.9	6768.2	4512.7	4189.1	3865.8	3595.7	3423.4	3375.7	3328.4	3398.5	3468.3
55°	8460.1	6411.4	4362.5	4109.6	3856.7	3605.4	3345.8	3270.5	3195.4	3294.9	3394.1
57.5°	7622.2	5908.3	4194.1	4015.4	3836.7	3615.1	3299.3	3189.6	3079.9	3186.8	3293.7
60°	6498.3	5255.1	4011.7	3871.3	3730.9	3584.6	3255.5	3113.4	2971.1	3065.0	3158.5
62.5°	5232.3	4473.3	3714.3	3620.9	3527.8	3509.8	3204.6	3026.7	2849.2	2908.7	2968.3
65°	4124.3	3770.0	3415.6	3371.6	3327.6	3329.8	3097.0	2908.1	2718.9	2742.0	2764.6
67.5°	3194.6	3094.1	2993.2	3017.8	3042.2	3036.2	2905.4	2748.0	2590.7	2583.5	2576.2
70°	2419.7	2448.6	2477.1	2591.2	2705.1	2705.1	2662.1	2550.2	2438.4	2413.4	2388.5
72.5°	1866.5	1953.2	2040.3	2202.0	2363.5	2390.7	2391.2	2314.4	2237.8	2201.2	2164.9
75°	1449.4	1528.1	1606.7	1787.9	1969.0	2094.3	2083.7	2024.8	1965.4	1930.6	1895.3
77.5°	1115.8	1169.3	1223.0	1398.9	1574.8	1781.2	1775.7	1728.4	1681.0	1645.5	1610.1
80°	836.6	858.7	880.9	1029.9	1178.8	1425.3	1424.4	1384.8	1344.9	1315.3	1285.4
82.5°	597.8	601.7	606.1	715.9	825.5	1036.1	1047.7	1028.3	1008.9	987.9	966.8
85°	361.5	359.6	357.3	437.7	518.0	674.6	689.8	669.0	648.2	624.6	601.2
87.5°	158.5	156.5	154.6	187.3	220.3	285.4	304.7	296.4	288.1	283.6	279.2
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: P969275  
 CATALOG NUMBER: NAV-SB5D-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2
2.5°	6900.3	6858.5	6816.4	6774.5	6742.1	6709.4	6683.1	6656.8	6636.3	6615.8	6596.9
5°	6637.4	6563.2	6495.8	6428.3	6376.4	6324.4	6288.1	6251.8	6226.1	6200.2	6180.5
7.5°	6476.2	6382.6	6300.0	6217.8	6155.9	6094.4	6051.2	6008.0	5978.3	5949.0	5931.3
10°	6465.4	6364.5	6271.8	6178.9	6105.2	6031.3	5983.0	5934.3	5906.4	5878.4	5863.4
12.5°	6626.8	6548.2	6452.1	6356.2	6262.0	6167.8	6105.5	6043.2	6011.8	5980.9	5968.1
15°	6913.3	6892.8	6809.4	6726.0	6592.0	6457.9	6363.1	6268.4	6224.9	6181.7	6165.1
17.5°	7189.8	7253.7	7186.5	7119.4	6941.8	6764.3	6624.7	6485.1	6420.8	6356.2	6335.1
20°	7292.6	7426.9	7395.9	7364.5	7161.5	6958.7	6787.6	6616.6	6534.4	6451.8	6425.5
22.5°	7149.6	7324.4	7343.2	7361.8	7167.9	6974.0	6797.8	6621.3	6534.6	6447.7	6418.5
25°	6817.7	6989.8	7054.0	7118.0	6959.0	6800.3	6643.4	6487.2	6411.9	6336.9	6309.4
27.5°	6413.0	6551.0	6622.4	6694.2	6580.9	6467.9	6346.3	6224.6	6174.2	6123.6	6111.0
30°	6017.2	6131.9	6190.0	6248.2	6162.0	6075.6	5988.6	5901.0	5875.3	5849.3	5849.3
32.5°	5634.8	5744.8	5809.4	5874.2	5794.9	5715.5	5645.9	5576.4	5559.5	5542.6	5544.8
35°	5266.7	5375.6	5453.1	5530.7	5474.2	5417.9	5353.7	5289.7	5263.9	5238.5	5232.9
37.5°	4916.0	5024.5	5120.4	5216.3	5190.2	5164.2	5105.2	5045.9	4999.1	4952.6	4927.9
40°	4584.7	4689.4	4799.7	4910.2	4916.5	4922.7	4872.5	4822.3	4754.3	4686.6	4640.6
42.5°	4278.9	4378.3	4497.4	4616.5	4648.4	4680.3	4637.8	4595.8	4511.2	4426.8	4360.0
45°	4016.3	4110.5	4234.0	4357.5	4403.2	4448.9	4410.7	4372.8	4276.1	4179.6	4101.2
47.5°	3808.5	3900.4	4022.3	4144.2	4196.9	4249.4	4222.9	4196.2	4110.5	4024.6	3952.0
50°	3653.6	3740.3	3849.5	3958.7	4026.2	4093.7	4092.1	4091.0	4022.3	3953.6	3886.6
52.5°	3548.0	3627.6	3729.3	3831.1	3911.2	3991.2	4005.7	4020.2	3964.2	3908.2	3848.1
55°	3479.9	3565.8	3654.9	3743.9	3828.7	3913.8	3933.6	3953.6	3904.8	3856.2	3803.5
57.5°	3394.6	3495.5	3583.5	3671.9	3757.4	3842.8	3863.0	3883.2	3833.9	3784.6	3732.5
60°	3274.4	3390.2	3479.7	3569.4	3655.3	3741.1	3763.3	3785.4	3737.3	3689.4	3635.6
62.5°	3103.2	3238.4	3333.9	3429.5	3508.2	3586.9	3608.2	3629.5	3586.1	3542.5	3486.0
65°	2909.3	3054.1	3145.5	3237.0	3306.2	3375.5	3397.4	3419.0	3377.2	3335.4	3280.5
67.5°	2709.8	2843.6	2930.3	3016.8	3076.5	3136.4	3157.7	3178.8	3140.3	3102.1	3051.1
70°	2505.9	2623.4	2698.2	2772.9	2827.0	2881.0	2901.5	2922.0	2890.7	2859.4	2810.7
72.5°	2257.5	2349.7	2417.3	2484.9	2537.8	2590.7	2615.1	2639.5	2613.4	2587.4	2540.9
75°	1964.1	2032.8	2094.0	2155.2	2203.4	2251.6	2277.1	2302.6	2289.8	2277.1	2238.1
77.5°	1666.0	1721.7	1774.3	1827.0	1877.6	1928.0	1951.9	1975.7	1958.0	1939.7	1900.4
80°	1331.9	1378.2	1422.5	1466.8	1505.3	1543.5	1575.1	1606.7	1599.0	1591.5	1538.5
82.5°	962.9	959.1	943.5	928.0	1010.0	1092.0	1145.7	1199.5	1196.2	1192.6	1148.0
85°	581.2	561.0	518.0	475.1	551.9	628.8	695.4	761.8	756.2	750.7	715.9
87.5°	278.4	277.6	244.9	212.0	244.1	276.4	303.3	330.3	323.6	316.3	298.6
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: P969275  
 CATALOG NUMBER: NAV-SB5D-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2
2.5°	6577.8	6554.3	6577.8	6596.9	6615.8	6636.3	6656.8	6683.1	6709.4	6742.1	6774.5
5°	6160.9	6141.5	6160.9	6180.5	6200.2	6226.1	6251.8	6288.1	6324.4	6376.4	6428.3
7.5°	5913.8	5900.5	5913.8	5931.3	5949.0	5978.3	6008.0	6051.2	6094.4	6155.9	6217.8
10°	5848.4	5842.3	5848.4	5863.4	5878.4	5906.4	5934.3	5983.0	6031.3	6105.2	6178.9
12.5°	5955.4	5953.2	5955.4	5968.1	5980.9	6011.8	6043.2	6105.5	6167.8	6262.0	6356.2
15°	6148.5	6147.0	6148.5	6165.1	6181.7	6224.9	6268.4	6363.1	6457.9	6592.0	6726.0
17.5°	6313.8	6310.5	6313.8	6335.1	6356.2	6420.8	6485.1	6624.7	6764.3	6941.8	7119.4
20°	6399.2	6390.9	6399.2	6425.5	6451.8	6534.4	6616.6	6787.6	6958.7	7161.5	7364.5
22.5°	6389.4	6377.0	6389.4	6418.5	6447.7	6534.6	6621.3	6797.8	6974.0	7167.9	7361.8
25°	6282.2	6266.1	6282.2	6309.4	6336.9	6411.9	6487.2	6643.4	6800.3	6959.0	7118.0
27.5°	6098.5	6094.4	6098.5	6111.0	6123.6	6174.2	6224.6	6346.3	6467.9	6580.9	6694.2
30°	5849.3	5853.5	5849.3	5849.3	5849.3	5875.3	5901.0	5988.6	6075.6	6162.0	6248.2
32.5°	5547.3	5551.5	5547.3	5544.8	5542.6	5559.5	5576.4	5645.9	5715.5	5794.9	5874.2
35°	5227.4	5224.6	5227.4	5232.9	5238.5	5263.9	5289.7	5353.7	5417.9	5474.2	5530.7
37.5°	4903.3	4889.4	4903.3	4927.9	4952.6	4999.1	5045.9	5105.2	5164.2	5190.2	5216.3
40°	4595.2	4568.0	4595.2	4640.6	4686.6	4754.3	4822.3	4872.5	4922.7	4916.5	4910.2
42.5°	4293.2	4249.4	4293.2	4360.0	4426.8	4511.2	4595.8	4637.8	4680.3	4648.4	4616.5
45°	4022.9	3972.5	4022.9	4101.2	4179.6	4276.1	4372.8	4410.7	4448.9	4403.2	4357.5
47.5°	3879.6	3831.1	3879.6	3952.0	4024.6	4110.5	4196.2	4222.9	4249.4	4196.9	4144.2
50°	3819.6	3773.0	3819.6	3886.6	3953.6	4022.3	4091.0	4092.1	4093.7	4026.2	3958.7
52.5°	3788.2	3745.3	3788.2	3848.1	3908.2	3964.2	4020.2	4005.7	3991.2	3911.2	3831.1
55°	3750.9	3712.0	3750.9	3803.5	3856.2	3904.8	3953.6	3933.6	3913.8	3828.7	3743.9
57.5°	3680.2	3640.1	3680.2	3732.5	3784.6	3833.9	3883.2	3863.0	3842.8	3757.4	3671.9
60°	3581.9	3540.4	3581.9	3635.6	3689.4	3737.3	3785.4	3763.3	3741.1	3655.3	3569.4
62.5°	3429.5	3379.6	3429.5	3486.0	3542.5	3586.1	3629.5	3608.2	3586.9	3508.2	3429.5
65°	3225.9	3182.9	3225.9	3280.5	3335.4	3377.2	3419.0	3397.4	3375.5	3306.2	3237.0
67.5°	3000.1	2961.3	3000.1	3051.1	3102.1	3140.3	3178.8	3157.7	3136.4	3076.5	3016.8
70°	2761.9	2717.6	2761.9	2810.7	2859.4	2890.7	2922.0	2901.5	2881.0	2827.0	2772.9
72.5°	2494.5	2451.6	2494.5	2540.9	2587.4	2613.4	2639.5	2615.1	2590.7	2537.8	2484.9
75°	2198.9	2157.9	2198.9	2238.1	2277.1	2289.8	2302.6	2277.1	2251.6	2203.4	2155.2
77.5°	1861.0	1828.3	1861.0	1900.4	1939.7	1958.0	1975.7	1951.9	1928.0	1877.6	1827.0
80°	1485.4	1423.9	1485.4	1538.5	1591.5	1599.0	1606.7	1575.1	1543.5	1505.3	1466.8
82.5°	1103.1	1063.7	1103.1	1148.0	1192.6	1196.2	1199.5	1145.7	1092.0	1010.0	928.0
85°	680.9	645.4	680.9	715.9	750.7	756.2	761.8	695.4	628.8	551.9	475.1
87.5°	280.3	263.1	280.3	298.6	316.3	323.6	330.3	303.3	276.4	244.1	212.0
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: P969275  
 CATALOG NUMBER: NAV-SB5D-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2
2.5°	6816.4	6858.5	6900.3	6942.1	6989.8	7037.6	7090.6	7143.7	7209.4	7268.5	7329.4
5°	6495.8	6563.2	6637.4	6711.6	6795.5	6879.8	6980.4	7080.6	7195.6	7311.9	7435.2
7.5°	6300.0	6382.6	6476.2	6569.5	6680.3	6791.1	6924.4	7057.9	7206.7	7365.4	7537.4
10°	6271.8	6364.5	6465.4	6565.9	6676.7	6787.6	6928.3	7069.0	7228.8	7424.7	7628.6
12.5°	6452.1	6548.2	6626.8	6706.1	6779.2	6852.9	6967.6	7082.9	7231.6	7437.4	7667.6
15°	6809.4	6892.8	6913.3	6933.8	6923.9	6913.8	6968.7	7023.8	7142.9	7371.0	7637.5
17.5°	7186.5	7253.7	7189.8	7125.5	7004.7	6883.9	6864.0	6843.7	6917.2	7185.4	7505.9
20°	7395.9	7426.9	7292.6	7158.2	6948.2	6738.5	6644.4	6550.2	6569.5	6881.7	7278.9
22.5°	7343.2	7324.4	7149.6	6974.8	6734.9	6495.5	6356.2	6216.8	6178.9	6534.4	7012.7
25°	7054.0	6989.8	6817.7	6645.7	6430.1	6215.0	6054.3	5893.5	5791.0	6155.3	6715.5
27.5°	6622.4	6551.0	6413.0	6275.0	6098.3	5921.3	5766.1	5611.1	5486.4	5818.0	6443.8
30°	6190.0	6131.9	6017.2	5902.8	5755.9	5609.1	5485.5	5362.6	5264.7	5543.2	6216.6
32.5°	5809.4	5744.8	5634.8	5525.2	5407.7	5290.5	5217.7	5144.8	5101.3	5325.7	6020.7
35°	5453.1	5375.6	5266.7	5158.1	5068.9	4979.4	4959.2	4939.3	4957.3	5144.3	5828.3
37.5°	5120.4	5024.5	4916.0	4807.7	4743.7	4679.4	4701.6	4723.7	4789.6	4953.1	5601.6
40°	4799.7	4689.4	4584.7	4480.0	4433.7	4387.4	4437.5	4487.8	4588.8	4737.0	5331.2
42.5°	4497.4	4378.3	4278.9	4179.6	4141.7	4104.0	4170.5	4237.0	4364.4	4501.0	5032.9
45°	4234.0	4110.5	4016.3	3922.1	3889.9	3858.3	3922.9	3987.7	4111.0	4249.4	4716.0
47.5°	4022.3	3900.4	3808.5	3716.2	3686.6	3656.7	3710.9	3765.2	3871.3	4050.0	4465.3
50°	3849.5	3740.3	3653.6	3566.6	3519.8	3473.3	3521.2	3569.4	3692.7	3927.6	4298.7
52.5°	3729.3	3627.6	3548.0	3468.3	3398.5	3328.4	3375.7	3423.4	3595.7	3865.8	4189.1
55°	3654.9	3565.8	3479.9	3394.1	3294.9	3195.4	3270.5	3345.8	3605.4	3856.7	4109.6
57.5°	3583.5	3495.5	3394.6	3293.7	3186.8	3079.9	3189.6	3299.3	3615.1	3836.7	4015.4
60°	3479.7	3390.2	3274.4	3158.5	3065.0	2971.1	3113.4	3255.5	3584.6	3730.9	3871.3
62.5°	3333.9	3238.4	3103.2	2968.3	2908.7	2849.2	3026.7	3204.6	3509.8	3527.8	3620.9
65°	3145.5	3054.1	2909.3	2764.6	2742.0	2718.9	2908.1	3097.0	3329.8	3327.6	3371.6
67.5°	2930.3	2843.6	2709.8	2576.2	2583.5	2590.7	2748.0	2905.4	3036.2	3042.2	3017.8
70°	2698.2	2623.4	2505.9	2388.5	2413.4	2438.4	2550.2	2662.1	2705.1	2705.1	2591.2
72.5°	2417.3	2349.7	2257.5	2164.9	2201.2	2237.8	2314.4	2391.2	2390.7	2363.5	2202.0
75°	2094.0	2032.8	1964.1	1895.3	1930.6	1965.4	2024.8	2083.7	2094.3	1969.0	1787.9
77.5°	1774.3	1721.7	1666.0	1610.1	1645.5	1681.0	1728.4	1775.7	1781.2	1574.8	1398.9
80°	1422.5	1378.2	1331.9	1285.4	1315.3	1344.9	1384.8	1424.4	1425.3	1178.8	1029.9
82.5°	943.5	959.1	962.9	966.8	987.9	1008.9	1028.3	1047.7	1036.1	825.5	715.9
85°	518.0	561.0	581.2	601.2	624.6	648.2	669.0	689.8	674.6	518.0	437.7
87.5°	244.9	277.6	278.4	279.2	283.6	288.1	296.4	304.7	285.4	220.3	187.3
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: P969275  
 CATALOG NUMBER: NAV-SB5D-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2	7219.2
2.5°	7390.4	7454.0	7517.8	7580.9	7644.3	7703.9	7763.5
5°	7558.5	7690.4	7822.5	7953.5	8084.8	8216.4	8348.0
7.5°	7709.4	7904.8	8100.1	8300.7	8501.1	8718.0	8935.2
10°	7831.9	8069.3	8306.4	8571.3	8836.3	9110.9	9385.4
12.5°	7897.8	8177.7	8457.4	8757.7	9058.0	9359.4	9661.0
15°	7903.9	8226.1	8548.3	8874.0	9199.8	9514.3	9828.6
17.5°	7826.4	8200.3	8574.3	8929.7	9285.2	9603.9	9922.8
20°	7676.2	8129.4	8582.6	8973.3	9363.8	9695.4	10026.8
22.5°	7491.2	8042.5	8593.7	9032.0	9469.9	9808.7	10147.2
25°	7276.0	7956.6	8637.5	9138.3	9638.9	9970.5	10302.4
27.5°	7069.5	7899.2	8728.9	9304.5	9879.9	10196.5	10512.9
30°	6890.0	7872.3	8854.1	9519.8	10185.4	10491.0	10796.8
32.5°	6715.5	7839.1	8962.1	9744.5	10526.7	10829.2	11132.0
35°	6512.1	7776.5	9041.3	10000.4	10959.4	11249.5	11539.2
37.5°	6250.1	7669.3	9088.5	10287.1	11485.7	11855.4	12224.9
40°	5925.4	7521.7	9118.1	10651.1	12183.9	12722.4	13260.9
42.5°	5564.7	7369.2	9174.4	11127.3	13080.3	13857.6	14635.0
45°	5182.5	7227.7	9273.3	11754.0	14234.7	15283.2	16331.7
47.5°	4880.5	7110.8	9341.1	12421.6	15502.0	16978.0	18453.7
50°	4670.0	6983.4	9296.8	13041.0	16785.2	19010.2	21234.9
52.5°	4512.7	6768.2	9023.9	13443.2	17862.3	21144.9	24427.6
55°	4362.5	6411.4	8460.1	13354.5	18248.7	23037.5	27826.6
57.5°	4194.1	5908.3	7622.2	12730.7	17839.5	24378.8	30918.2
60°	4011.7	5255.1	6498.3	11569.7	16641.1	24714.0	32786.7
62.5°	3714.3	4473.3	5232.3	9999.9	14767.4	23302.7	31837.8
65°	3415.6	3770.0	4124.3	8398.1	12672.3	21305.5	29938.9
67.5°	2993.2	3094.1	3194.6	6829.1	10463.6	18929.0	27394.5
70°	2477.1	2448.6	2419.7	5376.9	8334.2	16335.8	24337.6
72.5°	2040.3	1953.2	1866.5	4110.7	6354.8	13524.7	20694.8
75°	1606.7	1528.1	1449.4	2983.5	4517.6	10302.1	16086.6
77.5°	1223.0	1169.3	1115.8	2021.7	2927.5	7210.6	11493.5
80°	880.9	858.7	836.6	1302.6	1768.7	4645.6	7522.5
82.5°	606.1	601.7	597.8	801.1	1005.0	2688.8	4372.8
85°	357.3	359.6	361.5	428.2	495.3	1209.5	1923.9
87.5°	154.6	156.5	158.5	177.5	196.7	396.2	595.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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