

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: P965059

Luminaire Tested: **NAV-SB3D-730-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P965059  
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-SB3D-730-U-SLL  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(3) 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: 31182.6 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

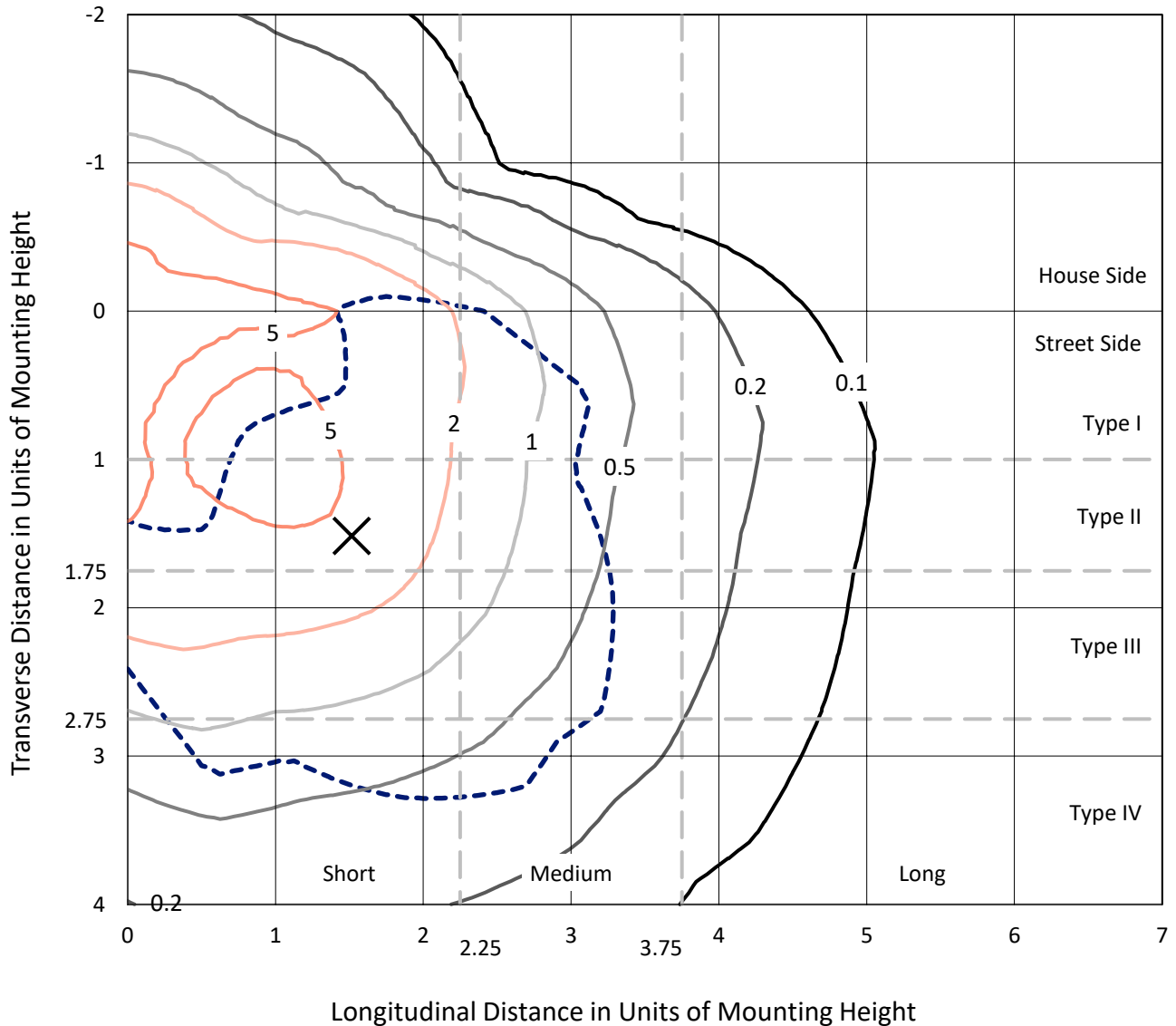
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

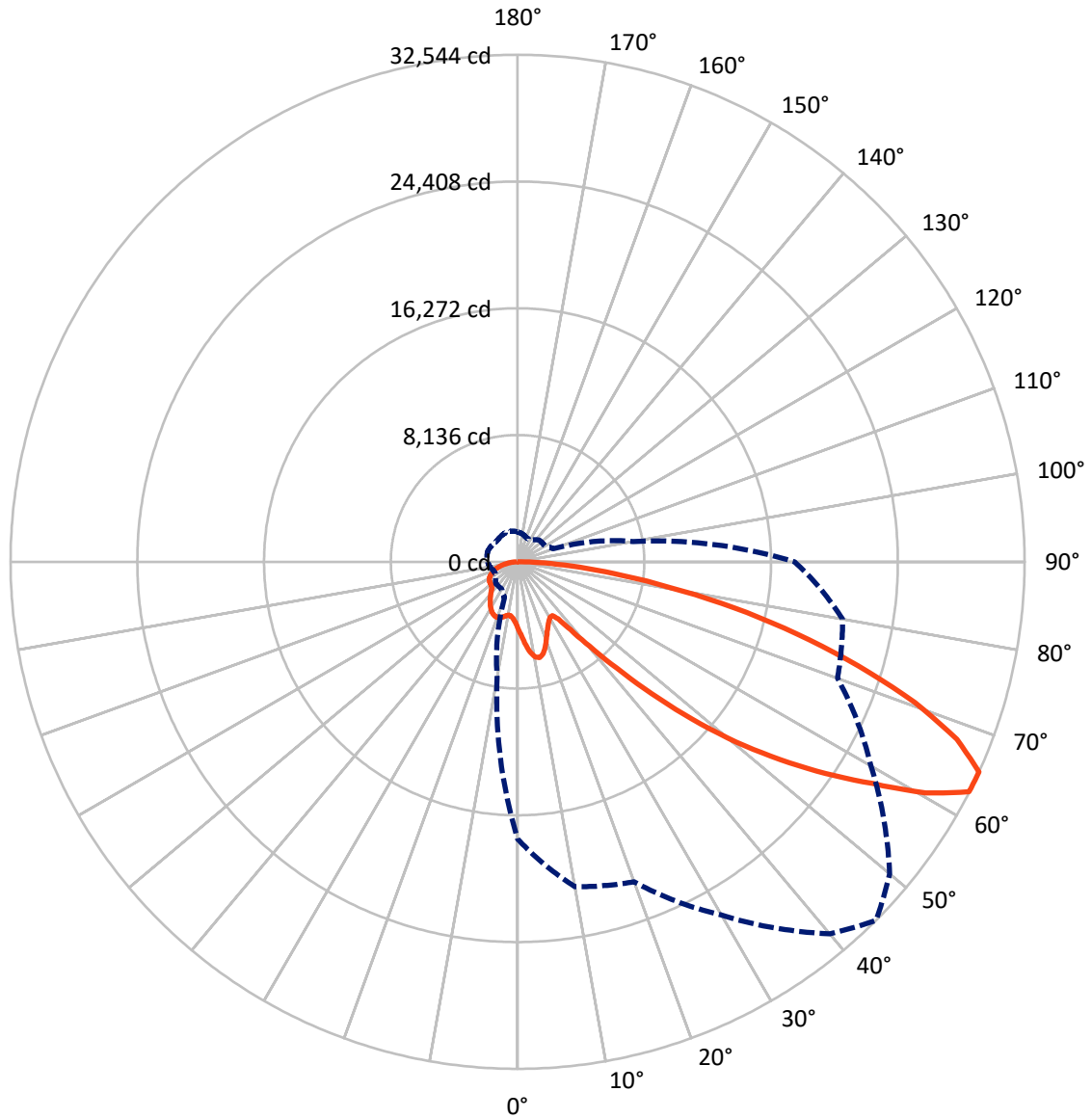
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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	7925.0	0.0	7925.0
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	23257.5	0.0	23257.5
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	31182.6	0.0	31182.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	425.4	1.4
10°-20°	1335.3	4.3
20°-30°	2062.5	6.6
30°-40°	2613.7	8.4
40°-50°	3942.2	12.6
50°-60°	6369.2	20.4
60°-70°	7940.2	25.5
70°-80°	5206.8	16.7
80°-90°	1287.2	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°	31182.6	100.0
0°-180°	31182.6	100.0

**Coefficient of Utilization**

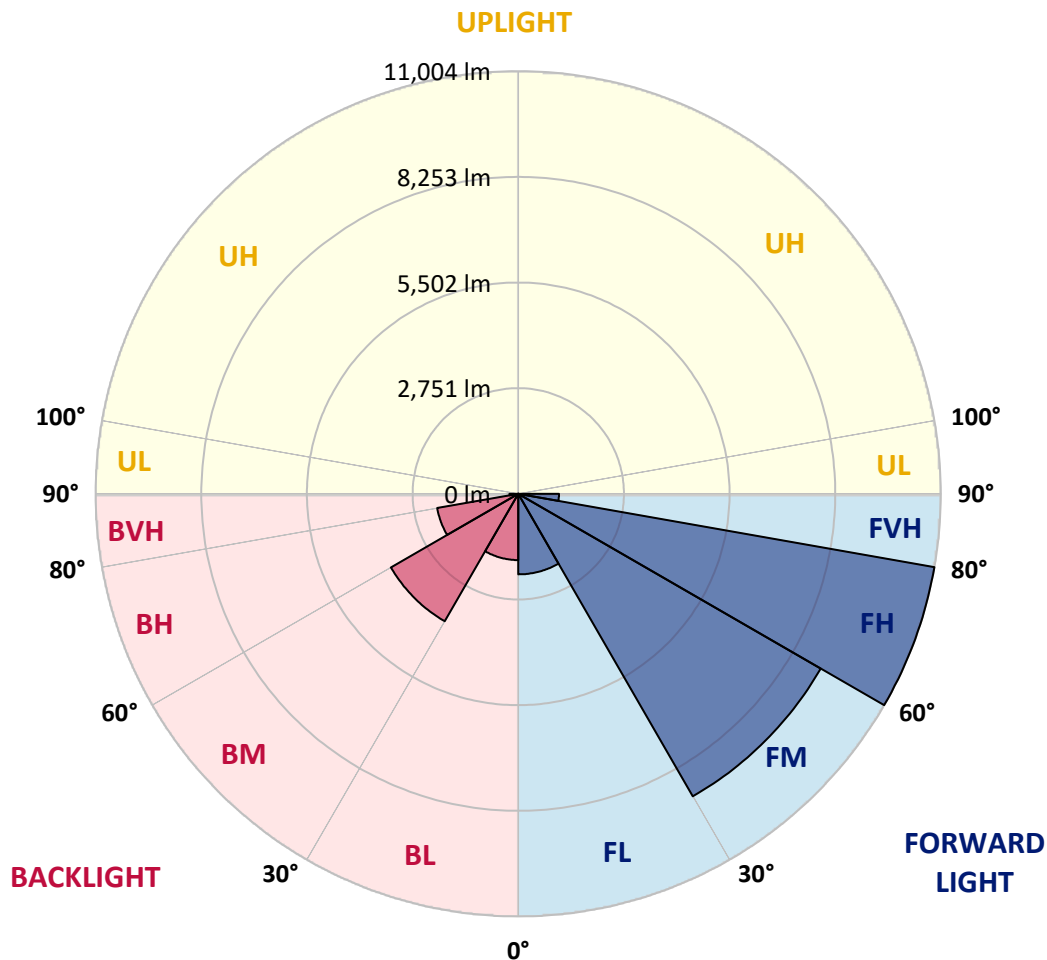


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2097.4	6.7			
FM (30°-60°)	9095.3	29.2			
FH (60°-80°)	11004.4	35.3			G4/12000
FVH (80°-90°)	1060.4	3.4			G5
BL (0°-30°)	1725.8	5.5	B3/2500		
BM (30°-60°)	3829.9	12.3	B3/5000		
BH (60°-80°)	2142.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	226.8	0.7			G3/500
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°	50°
0°	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9
2.5°	4611.2	4628.6	4646.2	4671.1	4695.9	4710.7	4725.6	4732.9	4740.3	4737.0	4740.3
5°	4958.3	5019.4	5080.6	5141.2	5201.9	5234.8	5267.7	5287.6	5307.7	5322.8	5307.7
7.5°	5307.1	5406.6	5505.8	5595.2	5684.4	5738.3	5792.1	5821.2	5850.2	5864.1	5850.2
10°	5574.6	5692.0	5809.5	5914.4	6019.1	6082.7	6145.8	6174.1	6202.3	6212.9	6202.3
12.5°	5738.3	5865.7	5992.8	6087.6	6182.1	6228.1	6274.1	6289.6	6305.1	6306.7	6305.1
15°	5837.8	5947.8	6057.4	6116.9	6176.4	6178.1	6179.7	6163.3	6146.8	6127.4	6146.8
17.5°	5893.7	5968.0	6042.2	6043.3	6044.3	5977.7	5911.1	5850.0	5788.8	5745.6	5788.8
20°	5955.5	5981.3	6007.3	5929.1	5851.0	5703.9	5556.8	5449.7	5342.6	5276.7	5342.6
22.5°	6027.0	5993.2	5959.2	5797.3	5635.4	5419.1	5202.7	5068.7	4934.9	4862.1	4934.9
25°	6119.1	6012.2	5905.2	5659.4	5413.6	5150.8	4888.1	4747.3	4606.8	4538.0	4606.8
27.5°	6244.2	6053.0	5861.7	5536.0	5210.6	4919.4	4628.2	4489.6	4351.2	4286.2	4351.2
30°	6412.9	6127.8	5842.8	5441.9	5041.2	4737.8	4434.4	4305.8	4177.3	4116.7	4177.3
32.5°	6612.0	6221.5	5831.2	5377.8	4924.3	4639.2	4354.0	4253.1	4152.2	4108.5	4152.2
35°	6853.9	6376.0	5898.4	5425.8	4953.4	4755.3	4557.4	4533.9	4510.3	4506.7	4510.3
37.5°	7261.1	6699.0	6137.0	5707.5	5278.0	5265.2	5252.4	5360.0	5467.7	5523.5	5467.7
40°	7876.4	7265.2	6653.9	6334.6	6015.2	6240.6	6466.0	6727.7	6989.3	7119.5	6989.3
42.5°	8692.5	8086.1	7479.6	7295.6	7111.7	7603.3	8094.9	8570.8	9046.6	9326.1	9046.6
45°	9700.4	9155.6	8610.6	8529.5	8448.3	9235.9	10023.7	10805.6	11587.6	12062.3	11587.6
47.5°	10960.7	10430.7	9900.6	9884.2	9867.7	11004.0	12140.0	13284.6	14429.2	15101.3	14429.2
50°	12612.7	11958.0	11303.5	11306.3	11309.0	12773.4	14237.9	15748.8	17259.8	18173.2	17259.8
52.5°	14509.0	13716.2	12923.7	12843.6	12763.2	14512.5	16261.6	18131.1	20000.4	21095.4	20000.4
55°	16527.9	15744.7	14961.5	14649.0	14336.6	16283.4	18230.0	20458.7	22687.4	23989.7	22687.4
57.5°	18364.1	17937.6	17511.0	16884.3	16257.7	18223.5	20189.2	22713.5	25237.8	26852.6	25237.8
60°	19474.0	20136.3	20799.0	20020.7	19242.4	21102.7	22963.0	25665.7	28368.4	30113.8	28368.4
62.5°	18910.4	20720.5	22530.5	22442.9	22355.0	24059.1	25763.4	28334.8	30906.1	32519.4	30906.1
65°	17782.5	19481.4	21180.2	21516.4	21852.4	24018.0	26183.8	28677.2	31170.5	32544.1	31170.5
67.5°	16271.2	17887.0	19502.8	19660.3	19817.9	22074.3	24330.6	26834.7	29338.9	30414.9	29338.9
70°	14455.5	16212.9	17970.5	18040.9	18111.5	20129.5	22147.2	24302.1	26457.0	27055.1	26457.0
72.5°	12291.8	14308.6	16325.5	16376.2	16426.6	18005.5	19584.2	21198.1	22811.9	22872.5	22811.9
75°	9554.7	11642.1	13729.4	13916.8	14104.2	15332.5	16560.8	17696.9	18833.0	18528.6	18833.0
77.5°	6826.7	8775.1	10723.8	10992.0	11260.1	12193.9	13127.7	13933.4	14739.3	14216.1	14739.3
80°	4468.1	6107.4	7746.4	8079.9	8413.2	9118.4	9823.3	10246.4	10669.5	9827.9	10669.5
82.5°	2597.2	3717.9	4838.7	5211.1	5583.6	6069.0	6554.4	6731.0	6907.3	6245.8	6907.3
85°	1142.7	1737.5	2332.3	2649.1	2965.8	3364.7	3763.3	3863.5	3963.8	3434.0	3963.8
87.5°	353.7	553.7	753.6	930.3	1107.0	1306.5	1505.8	1514.4	1522.8	1278.5	1522.8
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°	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9
2.5°	4732.9	4725.6	4710.7	4695.9	4671.1	4646.2	4628.6	4611.2	4575.8	4540.4	4502.7
5°	5287.6	5267.7	5234.8	5201.9	5141.2	5080.6	5019.4	4958.3	4880.2	4802.0	4724.0
7.5°	5821.2	5792.1	5738.3	5684.4	5595.2	5505.8	5406.6	5307.1	5178.2	5049.4	4930.2
10°	6174.1	6145.8	6082.7	6019.1	5914.4	5809.5	5692.0	5574.6	5411.5	5248.4	5091.0
12.5°	6289.6	6274.1	6228.1	6182.1	6087.6	5992.8	5865.7	5738.3	5559.1	5380.1	5201.7
15°	6163.3	6179.7	6178.1	6176.4	6116.9	6057.4	5947.8	5837.8	5651.0	5464.3	5270.9
17.5°	5850.0	5911.1	5977.7	6044.3	6043.3	6042.2	5968.0	5893.7	5704.3	5515.0	5303.9
20°	5449.7	5556.8	5703.9	5851.0	5929.1	6007.3	5981.3	5955.5	5758.7	5561.8	5329.7
22.5°	5068.7	5202.7	5419.1	5635.4	5797.3	5959.2	5993.2	6027.0	5826.0	5624.8	5364.6
25°	4747.3	4888.1	5150.8	5413.6	5659.4	5905.2	6012.2	6119.1	5922.0	5725.1	5427.8
27.5°	4489.6	4628.2	4919.4	5210.6	5536.0	5861.7	6053.0	6244.2	6056.3	5868.2	5526.5
30°	4305.8	4434.4	4737.8	5041.2	5441.9	5842.8	6127.8	6412.9	6231.3	6049.8	5654.3
32.5°	4253.1	4354.0	4639.2	4924.3	5377.8	5831.2	6221.5	6612.0	6432.2	6252.5	5787.8
35°	4533.9	4557.4	4755.3	4953.4	5425.8	5898.4	6376.0	6853.9	6681.8	6509.5	5939.9
37.5°	5360.0	5252.4	5265.2	5278.0	5707.5	6137.0	6699.0	7261.1	7041.5	6822.1	6110.1
40°	6727.7	6466.0	6240.6	6015.2	6334.6	6653.9	7265.2	7876.4	7556.6	7236.7	6326.3
42.5°	8570.8	8094.9	7603.3	7111.7	7295.6	7479.6	8086.1	8692.5	8230.9	7769.2	6609.2
45°	10805.6	10023.7	9235.9	8448.3	8529.5	8610.6	9155.6	9700.4	9077.6	8454.8	6981.4
47.5°	13284.6	12140.0	11004.0	9867.7	9884.2	9900.6	10430.7	10960.7	10084.3	9207.6	7377.9
50°	15748.8	14237.9	12773.4	11309.0	11306.3	11303.5	11958.0	12612.7	11291.3	9969.7	7745.8
52.5°	18131.1	16261.6	14512.5	12763.2	12843.6	12923.7	13716.2	14509.0	12559.2	10609.5	7984.7
55°	20458.7	18230.0	16283.4	14336.6	14649.0	14961.5	15744.7	16527.9	13683.3	10839.0	7932.1
57.5°	22713.5	20189.2	18223.5	16257.7	16884.3	17511.0	17937.6	18364.1	14480.1	10595.9	7561.5
60°	25665.7	22963.0	21102.7	19242.4	20020.7	20799.0	20136.3	19474.0	14679.1	9884.2	6871.9
62.5°	28334.8	25763.4	24059.1	22355.0	22442.9	22530.5	20720.5	18910.4	13840.8	8771.2	5939.5
65°	28677.2	26183.8	24018.0	21852.4	21516.4	21180.2	19481.4	17782.5	12654.6	7526.8	4988.2
67.5°	26834.7	24330.6	22074.3	19817.9	19660.3	19502.8	17887.0	16271.2	11243.0	6215.0	4056.2
70°	24302.1	22147.2	20129.5	18111.5	18040.9	17970.5	16212.9	14455.5	9702.9	4950.1	3193.7
72.5°	21198.1	19584.2	18005.5	16426.6	16376.2	16325.5	14308.6	12291.8	8033.1	3774.5	2441.5
75°	17696.9	16560.8	15332.5	14104.2	13916.8	13729.4	11642.1	9554.7	6119.0	2683.2	1772.1
77.5°	13933.4	13127.7	12193.9	11260.1	10992.0	10723.8	8775.1	6826.7	4282.8	1738.8	1200.8
80°	10246.4	9823.3	9118.4	8413.2	8079.9	7746.4	6107.4	4468.1	2759.3	1050.6	773.7
82.5°	6731.0	6554.4	6069.0	5583.6	5211.1	4838.7	3717.9	2597.2	1597.1	597.0	475.8
85°	3863.5	3763.3	3364.7	2965.8	2649.1	2332.3	1737.5	1142.7	718.4	294.2	254.4
87.5°	1514.4	1505.8	1306.5	1107.0	930.3	753.6	553.7	353.7	235.3	116.8	105.5
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°	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9
2.5°	4465.2	4427.4	4389.6	4353.4	4317.2	4282.1	4243.1	4211.5	4180.1	4151.7	4123.4
5°	4646.2	4567.7	4489.4	4416.2	4343.0	4273.8	4205.6	4146.0	4086.3	4036.2	3986.4
7.5°	4811.1	4695.1	4579.1	4476.9	4374.7	4280.5	4192.1	4112.8	4033.7	3967.9	3902.1
10°	4933.6	4792.8	4651.9	4531.0	4410.0	4293.6	4198.7	4115.1	4031.5	3965.7	3899.9
12.5°	5023.3	4857.2	4691.0	4554.3	4417.5	4295.3	4206.9	4138.4	4070.4	4026.6	3983.2
15°	5077.3	4886.0	4694.6	4536.3	4378.1	4242.6	4171.9	4139.2	4106.6	4112.5	4118.3
17.5°	5092.8	4870.7	4648.6	4458.1	4267.8	4108.5	4064.9	4076.9	4088.8	4160.5	4232.2
20°	5097.7	4828.6	4559.4	4323.4	4087.5	3902.1	3890.5	3946.5	4002.4	4127.0	4251.7
22.5°	5104.3	4776.9	4449.4	4165.3	3881.2	3670.0	3692.6	3775.4	3858.1	4000.3	4142.7
25°	5130.3	4725.9	4321.6	3988.8	3656.1	3439.7	3500.6	3596.0	3691.4	3819.3	3947.3
27.5°	5184.6	4691.8	4199.0	3827.3	3455.7	3258.7	3332.7	3424.8	3517.0	3622.1	3727.1
30°	5259.0	4675.8	4092.4	3692.4	3292.4	3127.1	3185.1	3258.2	3331.6	3418.8	3506.0
32.5°	5323.1	4656.1	3988.8	3576.1	3163.3	3030.0	3055.8	3099.1	3142.3	3211.9	3281.7
35°	5370.2	4619.0	3867.9	3461.7	3055.5	2944.4	2933.8	2945.5	2957.5	3010.7	3063.7
37.5°	5398.2	4555.2	3712.3	3327.2	2942.0	2844.9	2805.7	2792.5	2779.4	2817.5	2855.5
40°	5415.8	4467.6	3519.4	3166.5	2813.6	2725.6	2665.5	2635.8	2606.0	2633.4	2660.9
42.5°	5449.2	4377.1	3305.2	2989.3	2673.4	2592.3	2516.6	2477.1	2437.7	2460.0	2482.5
45°	5507.9	4293.0	3078.2	2801.1	2524.1	2441.8	2368.6	2330.0	2291.7	2310.5	2329.5
47.5°	5548.2	4223.5	2898.8	2652.2	2405.6	2299.4	2236.4	2204.2	2171.9	2189.7	2207.2
50°	5521.9	4147.9	2773.8	2553.3	2332.8	2193.3	2120.1	2091.4	2063.0	2090.6	2118.5
52.5°	5359.8	4020.0	2680.4	2488.2	2296.1	2135.7	2033.4	2005.1	1976.9	2018.5	2060.0
55°	5025.0	3808.1	2591.2	2440.9	2290.7	2141.4	1987.3	1942.6	1898.0	1957.0	2016.0
57.5°	4527.3	3509.3	2491.2	2385.0	2278.9	2147.3	1959.7	1894.5	1829.3	1892.9	1956.3
60°	3859.7	3121.3	2382.8	2299.4	2216.0	2129.1	1933.7	1849.2	1764.6	1820.5	1876.1
62.5°	3107.8	2657.0	2206.1	2150.7	2095.4	2084.7	1903.4	1797.7	1692.3	1727.6	1763.0
65°	2449.6	2239.2	2028.8	2002.6	1976.4	1977.7	1839.6	1727.3	1615.0	1628.6	1642.0
67.5°	1897.5	1837.7	1777.9	1792.5	1807.0	1803.4	1725.7	1632.2	1538.7	1534.5	1530.2
70°	1437.3	1454.4	1471.3	1539.1	1606.7	1606.7	1581.2	1514.7	1448.2	1433.5	1418.6
72.5°	1108.6	1160.2	1211.9	1307.9	1403.8	1419.9	1420.3	1374.7	1329.1	1307.4	1285.9
75°	860.9	907.6	954.3	1061.9	1169.5	1243.9	1237.7	1202.6	1167.4	1146.7	1125.8
77.5°	662.8	694.5	726.4	831.0	935.4	1058.0	1054.7	1026.5	998.5	977.3	956.3
80°	496.9	510.0	523.3	611.7	700.1	846.5	846.0	822.6	798.8	781.3	763.4
82.5°	355.1	357.4	360.0	425.2	490.4	615.4	622.3	610.8	599.2	586.7	574.2
85°	214.7	213.6	212.3	259.9	307.7	400.7	409.7	397.4	385.0	371.0	357.0
87.5°	94.1	93.0	91.8	111.2	130.8	169.4	181.0	176.1	171.1	168.5	165.8
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: P965059  
 CATALOG NUMBER: NAV-SB3D-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9
2.5°	4098.5	4073.7	4048.6	4023.7	4004.6	3985.1	3969.5	3953.8	3941.6	3929.5	3918.3
5°	3942.4	3898.3	3858.3	3818.1	3787.4	3756.4	3734.9	3713.3	3698.0	3682.7	3671.0
7.5°	3846.6	3791.0	3742.0	3693.1	3656.4	3619.9	3594.2	3568.5	3550.9	3533.5	3522.9
10°	3840.2	3780.3	3725.2	3670.0	3626.2	3582.4	3553.7	3524.8	3508.2	3491.5	3482.6
12.5°	3936.1	3889.4	3832.3	3775.4	3719.4	3663.5	3626.4	3589.4	3570.8	3552.3	3544.9
15°	4106.3	4094.1	4044.5	3995.0	3915.4	3835.8	3779.5	3723.2	3697.4	3671.7	3661.8
17.5°	4270.5	4308.5	4268.4	4228.6	4123.2	4017.7	3934.8	3851.8	3813.7	3775.4	3762.9
20°	4331.4	4411.3	4392.8	4374.3	4253.6	4133.2	4031.5	3930.0	3881.2	3832.1	3816.5
22.5°	4246.6	4350.4	4361.6	4372.6	4257.4	4142.2	4037.6	3932.8	3881.3	3829.6	3812.4
25°	4049.5	4151.7	4189.8	4227.8	4133.4	4039.1	3945.9	3853.2	3808.4	3763.8	3747.5
27.5°	3809.1	3891.0	3933.4	3976.1	3908.7	3841.6	3769.4	3697.2	3667.2	3637.1	3629.7
30°	3574.0	3642.0	3676.6	3711.1	3660.0	3608.6	3557.0	3505.0	3489.7	3474.2	3474.2
32.5°	3346.8	3412.2	3450.6	3489.0	3442.0	3394.8	3353.5	3312.2	3302.1	3292.1	3293.4
35°	3128.2	3192.9	3238.9	3285.0	3251.4	3218.1	3179.9	3141.8	3126.6	3111.4	3108.1
37.5°	2919.9	2984.4	3041.3	3098.3	3082.8	3067.3	3032.3	2997.1	2969.2	2941.6	2927.0
40°	2723.1	2785.3	2850.8	2916.4	2920.2	2923.8	2894.1	2864.3	2823.8	2783.7	2756.3
42.5°	2541.5	2600.5	2671.3	2742.1	2760.9	2779.9	2754.7	2729.7	2679.6	2629.3	2589.7
45°	2385.5	2441.4	2514.8	2588.2	2615.3	2642.4	2619.8	2597.2	2539.8	2482.5	2436.0
47.5°	2262.1	2316.7	2389.1	2461.5	2492.8	2524.1	2508.2	2492.4	2441.4	2390.4	2347.4
50°	2170.1	2221.6	2286.5	2351.2	2391.4	2431.5	2430.6	2429.9	2389.1	2348.3	2308.5
52.5°	2107.4	2154.7	2215.0	2275.6	2323.2	2370.6	2379.2	2387.7	2354.5	2321.3	2285.6
55°	2066.9	2118.0	2171.0	2223.7	2274.1	2324.6	2336.5	2348.3	2319.4	2290.4	2259.1
57.5°	2016.3	2076.1	2128.5	2181.0	2231.8	2282.5	2294.5	2306.5	2277.2	2247.9	2217.0
60°	1944.8	2013.6	2066.8	2120.1	2171.1	2222.1	2235.2	2248.4	2219.7	2191.3	2159.4
62.5°	1843.2	1923.4	1980.2	2037.0	2083.7	2130.5	2143.1	2155.8	2130.0	2104.1	2070.5
65°	1727.9	1814.0	1868.4	1922.6	1963.8	2004.9	2017.9	2030.7	2005.9	1981.0	1948.4
67.5°	1609.6	1689.0	1740.4	1791.8	1827.4	1862.9	1875.5	1888.0	1865.2	1842.5	1812.2
70°	1488.4	1558.2	1602.6	1647.1	1679.2	1711.2	1723.3	1735.5	1717.0	1698.3	1669.4
72.5°	1340.8	1395.6	1435.7	1475.9	1507.4	1538.7	1553.3	1567.7	1552.3	1536.8	1509.1
75°	1166.6	1207.3	1243.7	1280.1	1308.7	1337.3	1352.5	1367.7	1360.1	1352.5	1329.3
77.5°	989.5	1022.6	1053.9	1085.2	1115.2	1145.2	1159.4	1173.5	1163.0	1152.1	1128.7
80°	791.1	818.6	844.9	871.2	894.1	916.8	935.5	954.3	949.8	945.3	913.9
82.5°	571.9	569.6	560.4	551.2	599.9	648.6	680.5	712.5	710.4	708.4	681.8
85°	345.2	333.2	307.7	282.2	327.8	373.5	413.0	452.4	449.2	445.9	425.2
87.5°	165.3	164.8	145.4	125.9	144.9	164.2	180.2	196.1	192.2	187.9	177.3
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: P965059  
 CATALOG NUMBER: NAV-SB3D-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9
2.5°	3907.0	3893.0	3907.0	3918.3	3929.5	3941.6	3953.8	3969.5	3985.1	4004.6	4023.7
5°	3659.4	3647.8	3659.4	3671.0	3682.7	3698.0	3713.3	3734.9	3756.4	3787.4	3818.1
7.5°	3512.6	3504.7	3512.6	3522.9	3533.5	3550.9	3568.5	3594.2	3619.9	3656.4	3693.1
10°	3473.7	3470.1	3473.7	3482.6	3491.5	3508.2	3524.8	3553.7	3582.4	3626.2	3670.0
12.5°	3537.3	3535.9	3537.3	3544.9	3552.3	3570.8	3589.4	3626.4	3663.5	3719.4	3775.4
15°	3652.0	3651.2	3652.0	3661.8	3671.7	3697.4	3723.2	3779.5	3835.8	3915.4	3995.0
17.5°	3750.2	3748.2	3750.2	3762.9	3775.4	3813.7	3851.8	3934.8	4017.7	4123.2	4228.6
20°	3800.8	3795.9	3800.8	3816.5	3832.1	3881.2	3930.0	4031.5	4133.2	4253.6	4374.3
22.5°	3795.1	3787.7	3795.1	3812.4	3829.6	3881.3	3932.8	4037.6	4142.2	4257.4	4372.6
25°	3731.4	3721.9	3731.4	3747.5	3763.8	3808.4	3853.2	3945.9	4039.1	4133.4	4227.8
27.5°	3622.4	3619.9	3622.4	3629.7	3637.1	3667.2	3697.2	3769.4	3841.6	3908.7	3976.1
30°	3474.2	3476.7	3474.2	3474.2	3474.2	3489.7	3505.0	3557.0	3608.6	3660.0	3711.1
32.5°	3294.9	3297.3	3294.9	3293.4	3292.1	3302.1	3312.2	3353.5	3394.8	3442.0	3489.0
35°	3104.8	3103.2	3104.8	3108.1	3111.4	3126.6	3141.8	3179.9	3218.1	3251.4	3285.0
37.5°	2912.3	2904.1	2912.3	2927.0	2941.6	2969.2	2997.1	3032.3	3067.3	3082.8	3098.3
40°	2729.4	2713.3	2729.4	2756.3	2783.7	2823.8	2864.3	2894.1	2923.8	2920.2	2916.4
42.5°	2550.0	2524.1	2550.0	2589.7	2629.3	2679.6	2729.7	2754.7	2779.9	2760.9	2742.1
45°	2389.4	2359.4	2389.4	2436.0	2482.5	2539.8	2597.2	2619.8	2642.4	2615.3	2588.2
47.5°	2304.4	2275.6	2304.4	2347.4	2390.4	2441.4	2492.4	2508.2	2524.1	2492.8	2461.5
50°	2268.6	2241.1	2268.6	2308.5	2348.3	2389.1	2429.9	2430.6	2431.5	2391.4	2351.2
52.5°	2250.1	2224.6	2250.1	2285.6	2321.3	2354.5	2387.7	2379.2	2370.6	2323.2	2275.6
55°	2227.8	2204.8	2227.8	2259.1	2290.4	2319.4	2348.3	2336.5	2324.6	2274.1	2223.7
57.5°	2185.9	2162.0	2185.9	2217.0	2247.9	2277.2	2306.5	2294.5	2282.5	2231.8	2181.0
60°	2127.5	2102.8	2127.5	2159.4	2191.3	2219.7	2248.4	2235.2	2222.1	2171.1	2120.1
62.5°	2037.0	2007.4	2037.0	2070.5	2104.1	2130.0	2155.8	2143.1	2130.5	2083.7	2037.0
65°	1916.0	1890.5	1916.0	1948.4	1981.0	2005.9	2030.7	2017.9	2004.9	1963.8	1922.6
67.5°	1782.0	1758.9	1782.0	1812.2	1842.5	1865.2	1888.0	1875.5	1862.9	1827.4	1791.8
70°	1640.4	1614.2	1640.4	1669.4	1698.3	1717.0	1735.5	1723.3	1711.2	1679.2	1647.1
72.5°	1481.6	1456.1	1481.6	1509.1	1536.8	1552.3	1567.7	1553.3	1538.7	1507.4	1475.9
75°	1306.1	1281.8	1306.1	1329.3	1352.5	1360.1	1367.7	1352.5	1337.3	1308.7	1280.1
77.5°	1105.4	1086.0	1105.4	1128.7	1152.1	1163.0	1173.5	1159.4	1145.2	1115.2	1085.2
80°	882.2	845.7	882.2	913.9	945.3	949.8	954.3	935.5	916.8	894.1	871.2
82.5°	655.2	631.8	655.2	681.8	708.4	710.4	712.5	680.5	648.6	599.9	551.2
85°	404.5	383.3	404.5	425.2	445.9	449.2	452.4	413.0	373.5	327.8	282.2
87.5°	166.6	156.3	166.6	177.3	187.9	192.2	196.1	180.2	164.2	144.9	125.9
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: P965059  
 CATALOG NUMBER: NAV-SB3D-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9
2.5°	4048.6	4073.7	4098.5	4123.4	4151.7	4180.1	4211.5	4243.1	4282.1	4317.2	4353.4
5°	3858.3	3898.3	3942.4	3986.4	4036.2	4086.3	4146.0	4205.6	4273.8	4343.0	4416.2
7.5°	3742.0	3791.0	3846.6	3902.1	3967.9	4033.7	4112.8	4192.1	4280.5	4374.7	4476.9
10°	3725.2	3780.3	3840.2	3899.9	3965.7	4031.5	4115.1	4198.7	4293.6	4410.0	4531.0
12.5°	3832.3	3889.4	3936.1	3983.2	4026.6	4070.4	4138.4	4206.9	4295.3	4417.5	4554.3
15°	4044.5	4094.1	4106.3	4118.3	4112.5	4106.6	4139.2	4171.9	4242.6	4378.1	4536.3
17.5°	4268.4	4308.5	4270.5	4232.2	4160.5	4088.8	4076.9	4064.9	4108.5	4267.8	4458.1
20°	4392.8	4411.3	4331.4	4251.7	4127.0	4002.4	3946.5	3890.5	3902.1	4087.5	4323.4
22.5°	4361.6	4350.4	4246.6	4142.7	4000.3	3858.1	3775.4	3692.6	3670.0	3881.2	4165.3
25°	4189.8	4151.7	4049.5	3947.3	3819.3	3691.4	3596.0	3500.6	3439.7	3656.1	3988.8
27.5°	3933.4	3891.0	3809.1	3727.1	3622.1	3517.0	3424.8	3332.7	3258.7	3455.7	3827.3
30°	3676.6	3642.0	3574.0	3506.0	3418.8	3331.6	3258.2	3185.1	3127.1	3292.4	3692.4
32.5°	3450.6	3412.2	3346.8	3281.7	3211.9	3142.3	3099.1	3055.8	3030.0	3163.3	3576.1
35°	3238.9	3192.9	3128.2	3063.7	3010.7	2957.5	2945.5	2933.8	2944.4	3055.5	3461.7
37.5°	3041.3	2984.4	2919.9	2855.5	2817.5	2779.4	2792.5	2805.7	2844.9	2942.0	3327.2
40°	2850.8	2785.3	2723.1	2660.9	2633.4	2606.0	2635.8	2665.5	2725.6	2813.6	3166.5
42.5°	2671.3	2600.5	2541.5	2482.5	2460.0	2437.7	2477.1	2516.6	2592.3	2673.4	2989.3
45°	2514.8	2441.4	2385.5	2329.5	2310.5	2291.7	2330.0	2368.6	2441.8	2524.1	2801.1
47.5°	2389.1	2316.7	2262.1	2207.2	2189.7	2171.9	2204.2	2236.4	2299.4	2405.6	2652.2
50°	2286.5	2221.6	2170.1	2118.5	2090.6	2063.0	2091.4	2120.1	2193.3	2332.8	2553.3
52.5°	2215.0	2154.7	2107.4	2060.0	2018.5	1976.9	2005.1	2033.4	2135.7	2296.1	2488.2
55°	2171.0	2118.0	2066.9	2016.0	1957.0	1898.0	1942.6	1987.3	2141.4	2290.7	2440.9
57.5°	2128.5	2076.1	2016.3	1956.3	1892.9	1829.3	1894.5	1959.7	2147.3	2278.9	2385.0
60°	2066.8	2013.6	1944.8	1876.1	1820.5	1764.6	1849.2	1933.7	2129.1	2216.0	2299.4
62.5°	1980.2	1923.4	1843.2	1763.0	1727.6	1692.3	1797.7	1903.4	2084.7	2095.4	2150.7
65°	1868.4	1814.0	1727.9	1642.0	1628.6	1615.0	1727.3	1839.6	1977.7	1976.4	2002.6
67.5°	1740.4	1689.0	1609.6	1530.2	1534.5	1538.7	1632.2	1725.7	1803.4	1807.0	1792.5
70°	1602.6	1558.2	1488.4	1418.6	1433.5	1448.2	1514.7	1581.2	1606.7	1606.7	1539.1
72.5°	1435.7	1395.6	1340.8	1285.9	1307.4	1329.1	1374.7	1420.3	1419.9	1403.8	1307.9
75°	1243.7	1207.3	1166.6	1125.8	1146.7	1167.4	1202.6	1237.7	1243.9	1169.5	1061.9
77.5°	1053.9	1022.6	989.5	956.3	977.3	998.5	1026.5	1054.7	1058.0	935.4	831.0
80°	844.9	818.6	791.1	763.4	781.3	798.8	822.6	846.0	846.5	700.1	611.7
82.5°	560.4	569.6	571.9	574.2	586.7	599.2	610.8	622.3	615.4	490.4	425.2
85°	307.7	333.2	345.2	357.0	371.0	385.0	397.4	409.7	400.7	307.7	259.9
87.5°	145.4	164.8	165.3	165.8	168.5	171.1	176.1	181.0	169.4	130.8	111.2
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: P965059  
 CATALOG NUMBER: NAV-SB3D-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9	4287.9
2.5°	4389.6	4427.4	4465.2	4502.7	4540.4	4575.8	4611.2
5°	4489.4	4567.7	4646.2	4724.0	4802.0	4880.2	4958.3
7.5°	4579.1	4695.1	4811.1	4930.2	5049.4	5178.2	5307.1
10°	4651.9	4792.8	4933.6	5091.0	5248.4	5411.5	5574.6
12.5°	4691.0	4857.2	5023.3	5201.7	5380.1	5559.1	5738.3
15°	4694.6	4886.0	5077.3	5270.9	5464.3	5651.0	5837.8
17.5°	4648.6	4870.7	5092.8	5303.9	5515.0	5704.3	5893.7
20°	4559.4	4828.6	5097.7	5329.7	5561.8	5758.7	5955.5
22.5°	4449.4	4776.9	5104.3	5364.6	5624.8	5826.0	6027.0
25°	4321.6	4725.9	5130.3	5427.8	5725.1	5922.0	6119.1
27.5°	4199.0	4691.8	5184.6	5526.5	5868.2	6056.3	6244.2
30°	4092.4	4675.8	5259.0	5654.3	6049.8	6231.3	6412.9
32.5°	3988.8	4656.1	5323.1	5787.8	6252.5	6432.2	6612.0
35°	3867.9	4619.0	5370.2	5939.9	6509.5	6681.8	6853.9
37.5°	3712.3	4555.2	5398.2	6110.1	6822.1	7041.5	7261.1
40°	3519.4	4467.6	5415.8	6326.3	7236.7	7556.6	7876.4
42.5°	3305.2	4377.1	5449.2	6609.2	7769.2	8230.9	8692.5
45°	3078.2	4293.0	5507.9	6981.4	8454.8	9077.6	9700.4
47.5°	2898.8	4223.5	5548.2	7377.9	9207.6	10084.3	10960.7
50°	2773.8	4147.9	5521.9	7745.8	9969.7	11291.3	12612.7
52.5°	2680.4	4020.0	5359.8	7984.7	10609.5	12559.2	14509.0
55°	2591.2	3808.1	5025.0	7932.1	10839.0	13683.3	16527.9
57.5°	2491.2	3509.3	4527.3	7561.5	10595.9	14480.1	18364.1
60°	2382.8	3121.3	3859.7	6871.9	9884.2	14679.1	19474.0
62.5°	2206.1	2657.0	3107.8	5939.5	8771.2	13840.8	18910.4
65°	2028.8	2239.2	2449.6	4988.2	7526.8	12654.6	17782.5
67.5°	1777.9	1837.7	1897.5	4056.2	6215.0	11243.0	16271.2
70°	1471.3	1454.4	1437.3	3193.7	4950.1	9702.9	14455.5
72.5°	1211.9	1160.2	1108.6	2441.5	3774.5	8033.1	12291.8
75°	954.3	907.6	860.9	1772.1	2683.2	6119.0	9554.7
77.5°	726.4	694.5	662.8	1200.8	1738.8	4282.8	6826.7
80°	523.3	510.0	496.9	773.7	1050.6	2759.3	4468.1
82.5°	360.0	357.4	355.1	475.8	597.0	1597.1	2597.2
85°	212.3	213.6	214.7	254.4	294.2	718.4	1142.7
87.5°	91.8	93.0	94.1	105.5	116.8	235.3	353.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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