

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: P964999

Luminaire Tested: **NAV-SB3D-722-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P964999
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-722-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25760.3 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

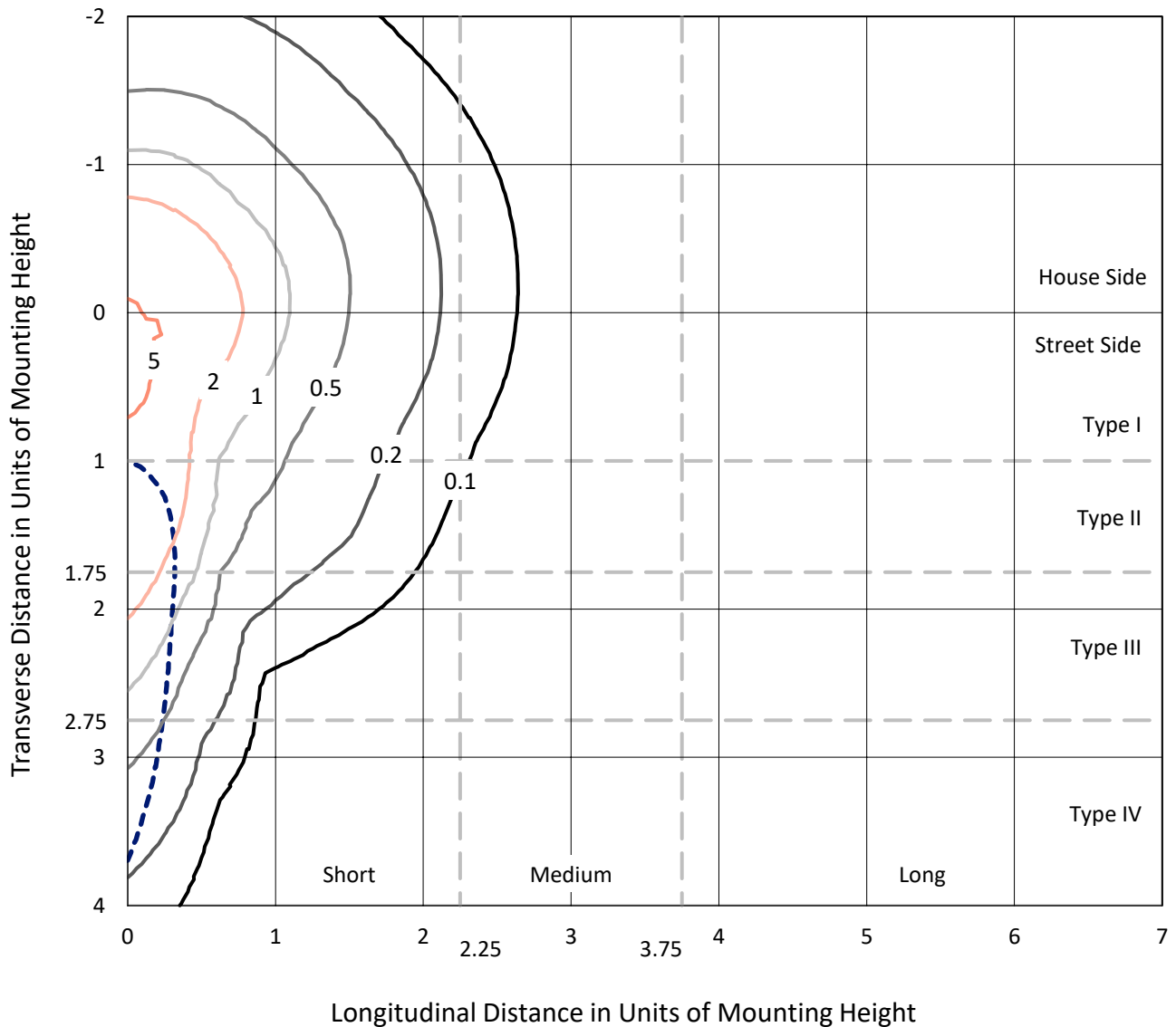
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

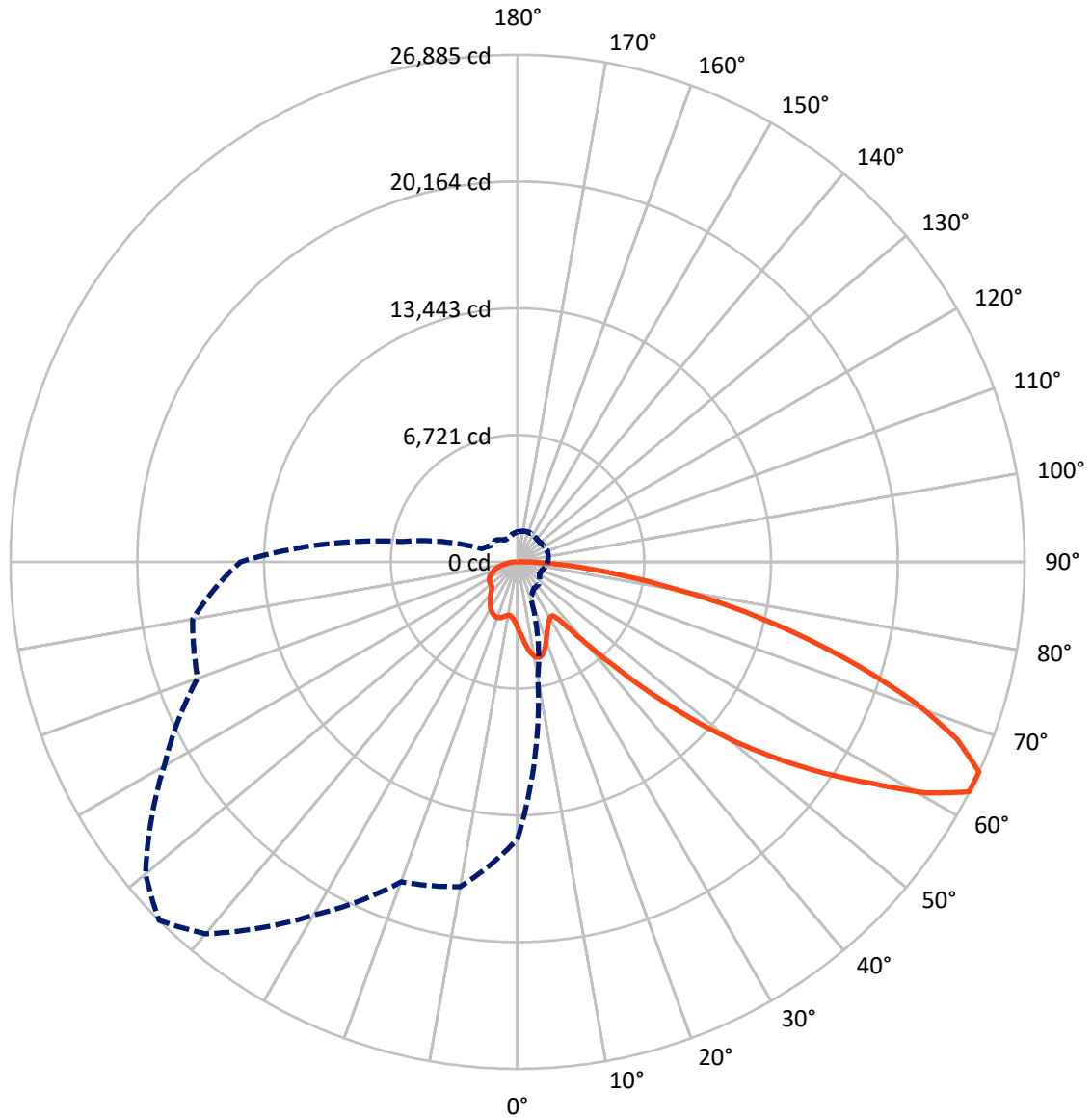
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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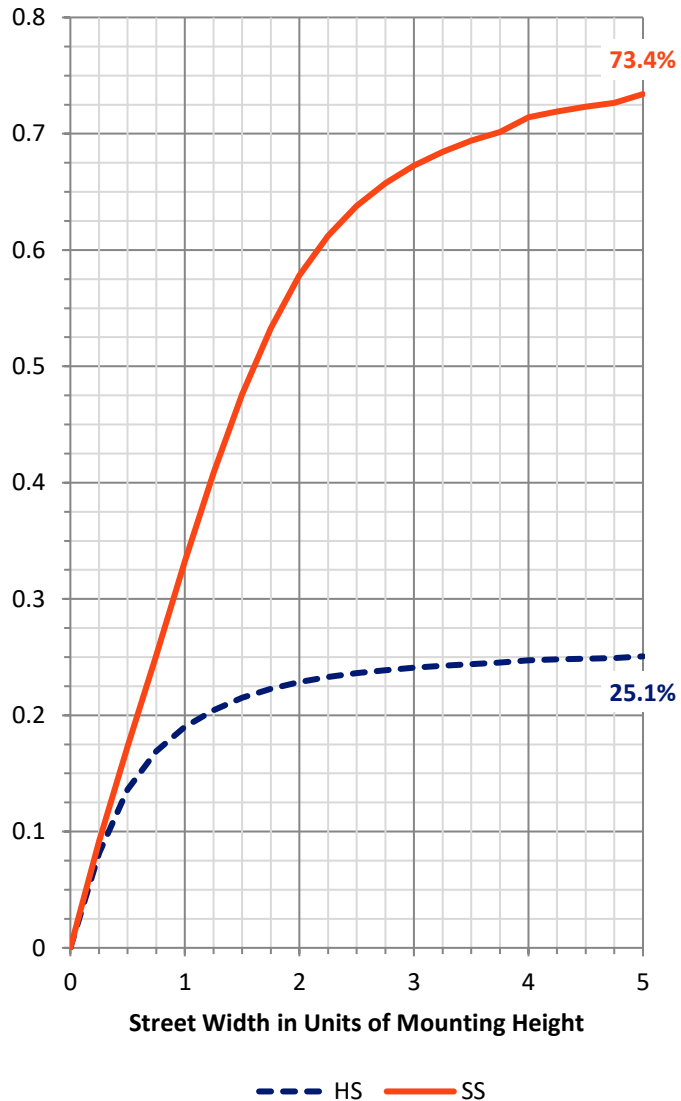
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6547.0	0.0	6547.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	19213.3	0.0	19213.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	25760.3	0.0	25760.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.4	1.4
10°-20°	1103.1	4.3
20°-30°	1703.9	6.6
30°-40°	2159.2	8.4
40°-50°	3256.7	12.6
50°-60°	5261.7	20.4
60°-70°	6559.5	25.5
70°-80°	4301.4	16.7
80°-90°	1063.4	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°	25760.3	100.0
0°-180°	25760.3	100.0

Coefficient of Utilization

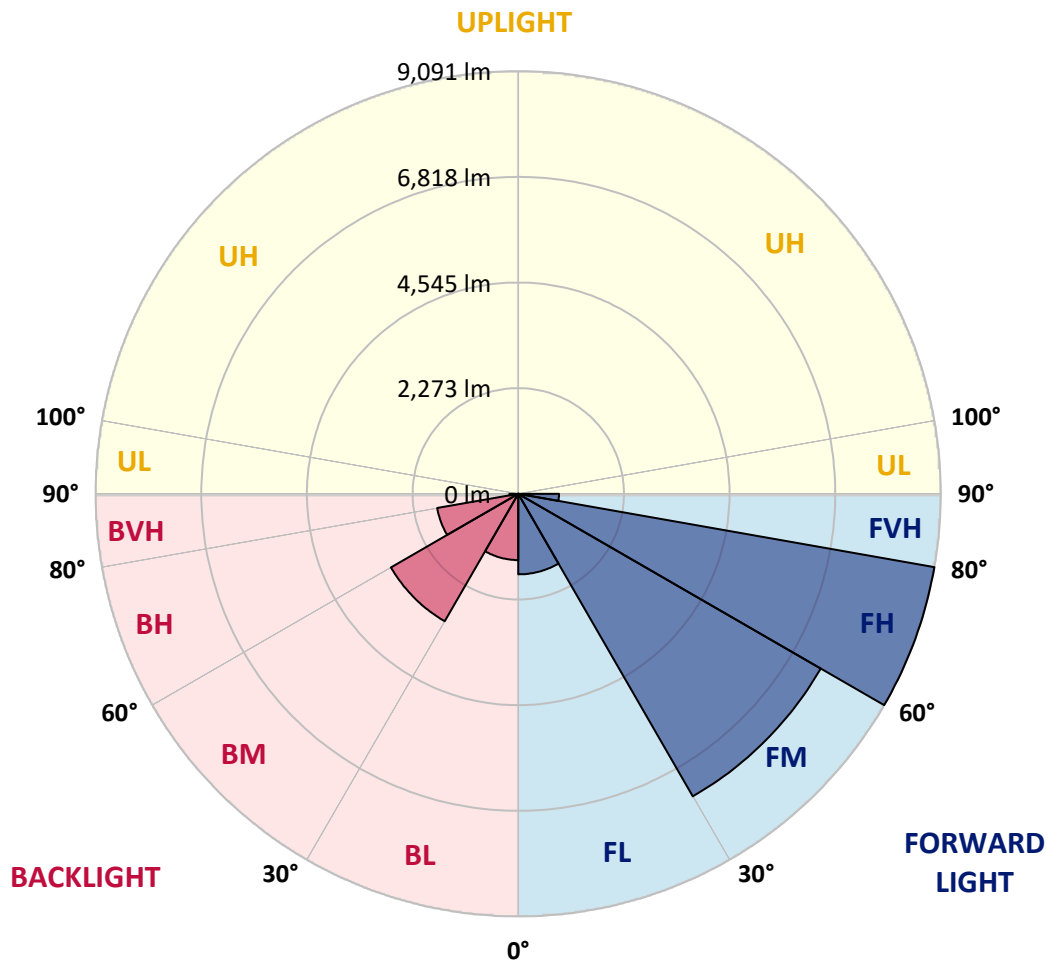


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1732.7	6.7			
FM (30°-60°)	7513.7	29.2			
FH (60°-80°)	9090.9	35.3			G4/12000
FVH (80°-90°)	876.0	3.4			G5
BL (0°-30°)	1425.7	5.5	B3/2500		
BM (30°-60°)	3163.9	12.3	B3/5000		
BH (60°-80°)	1770.0	6.9	B3/2500		G3/2500
BVH (80°-90°)	187.4	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°	50°
0°	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3
2.5°	3809.3	3780.1	3750.9	3719.8	3688.8	3657.5	3626.2	3596.3	3566.5	3537.5	3505.3
5°	4096.2	4031.6	3967.1	3902.6	3838.3	3773.4	3708.8	3648.3	3587.8	3530.7	3474.3
7.5°	4384.3	4277.7	4171.3	4072.9	3974.5	3878.7	3782.9	3698.4	3614.0	3536.1	3463.2
10°	4605.2	4470.5	4335.9	4205.7	4075.8	3959.5	3842.9	3743.2	3643.2	3547.0	3468.6
12.5°	4740.4	4592.4	4444.5	4297.2	4149.8	4012.6	3875.3	3762.4	3649.4	3548.3	3475.4
15°	4822.7	4668.5	4514.1	4354.3	4194.4	4036.3	3878.3	3747.5	3616.7	3504.9	3446.5
17.5°	4869.0	4712.4	4556.0	4381.6	4207.2	4023.7	3840.3	3682.9	3525.7	3394.1	3358.1
20°	4919.9	4757.3	4594.6	4403.0	4211.3	3988.9	3766.6	3571.6	3376.7	3223.5	3214.0
22.5°	4979.0	4812.9	4646.6	4431.8	4216.7	3946.2	3675.8	3441.0	3206.2	3031.8	3050.5
25°	5055.1	4892.3	4729.6	4484.0	4238.2	3904.1	3570.2	3295.2	3020.3	2841.6	2891.8
27.5°	5158.4	5003.2	4847.8	4565.6	4283.1	3875.9	3468.9	3161.8	2854.7	2692.1	2753.3
30°	5297.7	5147.7	4997.8	4671.1	4344.5	3862.8	3380.8	3050.3	2719.9	2583.3	2631.3
32.5°	5462.2	5313.7	5165.3	4781.4	4397.6	3846.5	3295.2	2954.3	2613.2	2503.0	2524.5
35°	5662.0	5519.8	5377.6	4907.0	4436.4	3815.8	3195.3	2859.7	2524.2	2432.4	2423.6
37.5°	5998.5	5817.2	5635.9	5047.6	4459.5	3763.2	3066.8	2748.5	2430.4	2350.2	2317.8
40°	6506.8	6242.6	5978.3	5226.3	4474.0	3690.7	2907.5	2615.9	2324.4	2251.6	2202.0
42.5°	7181.0	6799.6	6418.2	5460.0	4501.6	3615.9	2730.5	2469.5	2208.6	2141.5	2079.0
45°	8013.6	7499.1	6984.7	5767.4	4550.2	3546.5	2542.9	2314.0	2085.2	2017.2	1956.6
47.5°	9054.7	8330.7	7606.5	6095.0	4583.5	3489.1	2394.8	2191.0	1987.3	1899.6	1847.6
50°	10419.5	9327.9	8236.1	6398.9	4561.8	3426.6	2291.5	2109.3	1927.2	1811.9	1751.4
52.5°	11986.0	10375.4	8764.6	6596.3	4427.8	3321.0	2214.2	2055.5	1896.9	1764.3	1679.8
55°	13653.9	11304.0	8954.2	6552.8	4151.2	3145.9	2140.6	2016.5	1892.4	1769.0	1641.7
57.5°	15170.8	11962.2	8753.4	6246.7	3740.0	2899.0	2057.9	1970.3	1882.6	1773.9	1618.9
60°	16087.7	12126.6	8165.5	5677.0	3188.6	2578.5	1968.5	1899.6	1830.6	1758.9	1597.5
62.5°	15622.1	11434.1	7246.0	4906.7	2567.4	2194.9	1822.6	1776.7	1731.0	1722.2	1572.5
65°	14690.3	10454.2	6218.0	4120.8	2023.7	1849.8	1676.0	1654.4	1632.7	1633.8	1519.7
67.5°	13441.8	9288.0	5134.2	3350.8	1567.5	1518.1	1468.7	1480.8	1492.7	1489.7	1425.6
70°	11941.9	8015.6	4089.3	2638.4	1187.4	1201.5	1215.4	1271.5	1327.4	1327.4	1306.3
72.5°	10154.5	6636.3	3118.2	2017.0	915.8	958.4	1001.1	1080.5	1159.7	1173.0	1173.3
75°	7893.3	5055.0	2216.7	1463.9	711.1	749.8	788.3	877.3	966.2	1027.6	1022.4
77.5°	5639.7	3538.1	1436.4	992.0	547.6	573.8	600.1	686.4	772.7	874.0	871.2
80°	3691.1	2279.5	867.9	639.1	410.5	421.4	432.2	505.4	578.4	699.4	698.9
82.5°	2145.6	1319.3	493.1	393.1	293.4	295.2	297.5	351.3	405.1	508.4	514.0
85°	944.0	593.5	243.0	210.1	177.4	176.4	175.4	214.7	254.2	331.0	338.5
87.5°	292.2	194.3	96.6	87.1	77.8	76.8	75.8	91.8	108.0	140.0	149.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3
2.5°	3479.2	3453.2	3429.8	3406.4	3385.8	3365.3	3344.6	3324.1	3308.2	3292.2	3279.3
5°	3425.1	3375.7	3334.4	3293.2	3256.8	3220.3	3187.3	3154.2	3128.8	3103.2	3085.5
7.5°	3397.7	3332.3	3277.8	3223.5	3177.7	3131.8	3091.3	3050.9	3020.6	2990.4	2969.2
10°	3399.5	3330.5	3276.1	3221.8	3172.4	3123.0	3077.4	3031.8	2995.7	2959.4	2935.8
12.5°	3418.9	3362.6	3326.4	3290.6	3251.6	3213.1	3165.9	3118.9	3072.6	3026.4	2995.9
15°	3419.4	3392.4	3397.4	3402.3	3392.2	3382.1	3341.2	3300.3	3234.5	3168.7	3122.3
17.5°	3368.0	3377.8	3437.0	3496.3	3527.8	3559.2	3526.2	3493.3	3406.2	3319.1	3250.6
20°	3260.2	3306.4	3409.4	3512.4	3578.3	3644.2	3629.0	3613.6	3514.0	3414.5	3330.5
22.5°	3118.9	3187.2	3304.7	3422.4	3508.2	3594.0	3603.2	3612.3	3517.1	3422.0	3335.6
25°	2970.7	3049.5	3155.2	3260.9	3345.3	3429.8	3461.2	3492.7	3414.6	3336.8	3259.8
27.5°	2829.3	2905.5	2992.3	3079.0	3146.7	3214.4	3249.5	3284.7	3229.1	3173.6	3114.0
30°	2691.6	2752.2	2824.3	2896.3	2952.5	3008.8	3037.3	3065.9	3023.5	2981.1	2938.5
32.5°	2560.1	2595.9	2653.4	2711.0	2764.9	2818.9	2850.5	2882.3	2843.5	2804.4	2770.4
35°	2433.4	2443.3	2487.2	2530.9	2584.2	2637.6	2675.8	2713.8	2686.0	2658.4	2627.0
37.5°	2307.0	2296.1	2327.6	2359.0	2412.1	2465.4	2512.5	2559.5	2546.7	2534.0	2505.0
40°	2177.4	2152.8	2175.6	2198.2	2249.6	2301.0	2355.0	2409.3	2412.4	2415.4	2390.8
42.5°	2046.4	2013.7	2032.3	2050.8	2099.5	2148.3	2206.8	2265.2	2280.8	2296.5	2275.7
45°	1924.8	1893.2	1908.7	1924.4	1970.7	2016.9	2077.5	2138.1	2160.6	2182.9	2164.2
47.5°	1820.9	1794.3	1808.9	1823.5	1868.7	1913.9	1973.6	2033.5	2059.3	2085.2	2072.0
50°	1727.7	1704.3	1727.1	1750.1	1792.7	1835.3	1888.9	1942.4	1975.6	2008.7	2007.9
52.5°	1656.4	1633.1	1667.6	1701.8	1741.0	1780.0	1829.8	1879.8	1919.1	1958.5	1965.5
55°	1604.7	1567.9	1616.7	1665.4	1707.5	1749.7	1793.4	1837.1	1878.6	1920.3	1930.2
57.5°	1565.1	1511.3	1563.7	1616.2	1665.6	1715.1	1758.4	1801.7	1843.7	1885.6	1895.5
60°	1527.7	1457.9	1503.9	1549.8	1606.7	1663.5	1707.3	1751.4	1793.5	1835.7	1846.5
62.5°	1485.1	1398.0	1427.2	1456.4	1522.6	1589.0	1635.9	1682.7	1721.4	1760.0	1770.5
65°	1427.0	1334.1	1345.4	1356.6	1427.5	1498.6	1543.4	1588.3	1622.3	1656.3	1667.1
67.5°	1348.4	1271.2	1267.6	1264.1	1329.6	1395.3	1437.9	1480.2	1509.6	1538.9	1549.4
70°	1251.3	1196.5	1184.2	1172.0	1229.6	1287.2	1323.9	1360.6	1387.1	1413.7	1423.7
72.5°	1135.7	1098.0	1080.0	1062.3	1107.7	1152.9	1186.1	1219.2	1245.3	1271.2	1283.2
75°	993.5	964.4	947.3	930.0	963.7	997.4	1027.5	1057.5	1081.2	1104.8	1117.4
77.5°	848.1	824.8	807.4	790.0	817.4	844.8	870.6	896.5	921.3	946.1	957.8
80°	679.5	659.9	645.3	630.7	653.5	676.2	698.0	719.8	738.6	757.4	772.8
82.5°	504.6	495.1	484.7	474.4	472.5	470.6	463.0	455.3	495.6	535.9	562.2
85°	328.3	318.1	306.5	295.0	285.2	275.2	254.2	233.1	270.8	308.5	341.2
87.5°	145.4	141.3	139.2	137.0	136.6	136.2	120.1	103.9	119.7	135.6	148.8
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3
2.5°	3266.4	3256.3	3246.2	3237.0	3227.6	3216.0	3227.6	3237.0	3246.2	3256.3	3266.4
5°	3067.6	3055.0	3042.3	3032.7	3023.0	3013.5	3023.0	3032.7	3042.3	3055.0	3067.6
7.5°	2948.0	2933.4	2919.0	2910.4	2901.8	2895.2	2901.8	2910.4	2919.0	2933.4	2948.0
10°	2911.8	2898.1	2884.4	2877.1	2869.7	2866.7	2869.7	2877.1	2884.4	2898.1	2911.8
12.5°	2965.2	2949.8	2934.7	2928.4	2922.2	2921.0	2922.2	2928.4	2934.7	2949.8	2965.2
15°	3075.7	3054.4	3033.2	3025.1	3016.9	3016.3	3016.9	3025.1	3033.2	3054.4	3075.7
17.5°	3182.0	3150.5	3118.9	3108.5	3098.1	3096.4	3098.1	3108.5	3118.9	3150.5	3182.0
20°	3246.6	3206.2	3165.7	3152.8	3139.9	3135.9	3139.9	3152.8	3165.7	3206.2	3246.6
22.5°	3248.9	3206.4	3163.7	3149.4	3135.2	3129.0	3135.2	3149.4	3163.7	3206.4	3248.9
25°	3183.1	3146.1	3109.3	3095.9	3082.6	3074.7	3082.6	3095.9	3109.3	3146.1	3183.1
27.5°	3054.3	3029.6	3004.7	2998.5	2992.5	2990.4	2992.5	2998.5	3004.7	3029.6	3054.3
30°	2895.5	2882.9	2870.1	2870.1	2870.1	2872.2	2870.1	2870.1	2870.1	2882.9	2895.5
32.5°	2736.2	2727.9	2719.6	2720.8	2722.0	2723.9	2722.0	2720.8	2719.6	2727.9	2736.2
35°	2595.5	2582.9	2570.4	2567.6	2565.0	2563.6	2565.0	2567.6	2570.4	2582.9	2595.5
37.5°	2475.9	2452.9	2430.1	2418.0	2405.9	2399.1	2405.9	2418.0	2430.1	2452.9	2475.9
40°	2366.2	2332.8	2299.6	2277.0	2254.8	2241.5	2254.8	2277.0	2299.6	2332.8	2366.2
42.5°	2255.0	2213.6	2172.1	2139.4	2106.6	2085.2	2106.6	2139.4	2172.1	2213.6	2255.0
45°	2145.6	2098.2	2050.8	2012.4	1973.9	1949.2	1973.9	2012.4	2050.8	2098.2	2145.6
47.5°	2059.0	2016.9	1974.8	1939.1	1903.6	1879.8	1903.6	1939.1	1974.8	2016.9	2059.0
50°	2007.4	1973.6	1939.9	1907.0	1874.2	1851.4	1874.2	1907.0	1939.9	1973.6	2007.4
52.5°	1972.6	1945.1	1917.7	1888.2	1858.8	1837.7	1858.8	1888.2	1917.7	1945.1	1972.6
55°	1939.9	1916.0	1892.2	1866.3	1840.5	1821.4	1840.5	1866.3	1892.2	1916.0	1939.9
57.5°	1905.5	1881.2	1857.0	1831.5	1805.7	1786.1	1805.7	1831.5	1857.0	1881.2	1905.5
60°	1857.4	1833.8	1810.3	1783.9	1757.6	1737.2	1757.6	1783.9	1810.3	1833.8	1857.4
62.5°	1780.9	1759.6	1738.2	1710.5	1682.7	1658.3	1682.7	1710.5	1738.2	1759.6	1780.9
65°	1677.6	1657.1	1636.5	1609.7	1582.9	1561.8	1582.9	1609.7	1636.5	1657.1	1677.6
67.5°	1559.7	1540.9	1522.1	1497.1	1472.1	1453.0	1472.1	1497.1	1522.1	1540.9	1559.7
70°	1433.8	1418.4	1403.0	1379.1	1355.2	1333.4	1355.2	1379.1	1403.0	1418.4	1433.8
72.5°	1295.1	1282.4	1269.6	1246.7	1224.1	1202.9	1224.1	1246.7	1269.6	1282.4	1295.1
75°	1129.9	1123.6	1117.4	1098.2	1079.0	1058.8	1079.0	1098.2	1117.4	1123.6	1129.9
77.5°	969.4	960.7	951.7	932.4	913.2	897.1	913.2	932.4	951.7	960.7	969.4
80°	788.3	784.5	780.9	754.9	728.9	698.6	728.9	754.9	780.9	784.5	788.3
82.5°	588.6	586.9	585.2	563.2	541.3	521.9	541.3	563.2	585.2	586.9	588.6
85°	373.8	371.0	368.4	351.3	334.2	316.7	334.2	351.3	368.4	371.0	373.8
87.5°	162.1	158.8	155.2	146.6	137.6	129.1	137.6	146.6	155.2	158.8	162.1
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: P964999
 CATALOG NUMBER: NAV-SB3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3
2.5°	3279.3	3292.2	3308.2	3324.1	3344.6	3365.3	3385.8	3406.4	3429.8	3453.2	3479.2
5°	3085.5	3103.2	3128.8	3154.2	3187.3	3220.3	3256.8	3293.2	3334.4	3375.7	3425.1
7.5°	2969.2	2990.4	3020.6	3050.9	3091.3	3131.8	3177.7	3223.5	3277.8	3332.3	3397.7
10°	2935.8	2959.4	2995.7	3031.8	3077.4	3123.0	3172.4	3221.8	3276.1	3330.5	3399.5
12.5°	2995.9	3026.4	3072.6	3118.9	3165.9	3213.1	3251.6	3290.6	3326.4	3362.6	3418.9
15°	3122.3	3168.7	3234.5	3300.3	3341.2	3382.1	3392.2	3402.3	3397.4	3392.4	3419.4
17.5°	3250.6	3319.1	3406.2	3493.3	3526.2	3559.2	3527.8	3496.3	3437.0	3377.8	3368.0
20°	3330.5	3414.5	3514.0	3613.6	3629.0	3644.2	3578.3	3512.4	3409.4	3306.4	3260.2
22.5°	3335.6	3422.0	3517.1	3612.3	3603.2	3594.0	3508.2	3422.4	3304.7	3187.2	3118.9
25°	3259.8	3336.8	3414.6	3492.7	3461.2	3429.8	3345.3	3260.9	3155.2	3049.5	2970.7
27.5°	3114.0	3173.6	3229.1	3284.7	3249.5	3214.4	3146.7	3079.0	2992.3	2905.5	2829.3
30°	2938.5	2981.1	3023.5	3065.9	3037.3	3008.8	2952.5	2896.3	2824.3	2752.2	2691.6
32.5°	2770.4	2804.4	2843.5	2882.3	2850.5	2818.9	2764.9	2711.0	2653.4	2595.9	2560.1
35°	2627.0	2658.4	2686.0	2713.8	2675.8	2637.6	2584.2	2530.9	2487.2	2443.3	2433.4
37.5°	2505.0	2534.0	2546.7	2559.5	2512.5	2465.4	2412.1	2359.0	2327.6	2296.1	2307.0
40°	2390.8	2415.4	2412.4	2409.3	2355.0	2301.0	2249.6	2198.2	2175.6	2152.8	2177.4
42.5°	2275.7	2296.5	2280.8	2265.2	2206.8	2148.3	2099.5	2050.8	2032.3	2013.7	2046.4
45°	2164.2	2182.9	2160.6	2138.1	2077.5	2016.9	1970.7	1924.4	1908.7	1893.2	1924.8
47.5°	2072.0	2085.2	2059.3	2033.5	1973.6	1913.9	1868.7	1823.5	1808.9	1794.3	1820.9
50°	2007.9	2008.7	1975.6	1942.4	1888.9	1835.3	1792.7	1750.1	1727.1	1704.3	1727.7
52.5°	1965.5	1958.5	1919.1	1879.8	1829.8	1780.0	1741.0	1701.8	1667.6	1633.1	1656.4
55°	1930.2	1920.3	1878.6	1837.1	1793.4	1749.7	1707.5	1665.4	1616.7	1567.9	1604.7
57.5°	1895.5	1885.6	1843.7	1801.7	1758.4	1715.1	1665.6	1616.2	1563.7	1511.3	1565.1
60°	1846.5	1835.7	1793.5	1751.4	1707.3	1663.5	1606.7	1549.8	1503.9	1457.9	1527.7
62.5°	1770.5	1760.0	1721.4	1682.7	1635.9	1589.0	1522.6	1456.4	1427.2	1398.0	1485.1
65°	1667.1	1656.3	1622.3	1588.3	1543.4	1498.6	1427.5	1356.6	1345.4	1334.1	1427.0
67.5°	1549.4	1538.9	1509.6	1480.2	1437.9	1395.3	1329.6	1264.1	1267.6	1271.2	1348.4
70°	1423.7	1413.7	1387.1	1360.6	1323.9	1287.2	1229.6	1172.0	1184.2	1196.5	1251.3
72.5°	1283.2	1271.2	1245.3	1219.2	1186.1	1152.9	1107.7	1062.3	1080.0	1098.0	1135.7
75°	1117.4	1104.8	1081.2	1057.5	1027.5	997.4	963.7	930.0	947.3	964.4	993.5
77.5°	957.8	946.1	921.3	896.5	870.6	844.8	817.4	790.0	807.4	824.8	848.1
80°	772.8	757.4	738.6	719.8	698.0	676.2	653.5	630.7	645.3	659.9	679.5
82.5°	562.2	535.9	495.6	455.3	463.0	470.6	472.5	474.4	484.7	495.1	504.6
85°	341.2	308.5	270.8	233.1	254.2	275.2	285.2	295.0	306.5	318.1	328.3
87.5°	148.8	135.6	119.7	103.9	120.1	136.2	136.6	137.0	139.2	141.3	145.4
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: P964999
 CATALOG NUMBER: NAV-SB3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3
2.5°	3505.3	3537.5	3566.5	3596.3	3626.2	3657.5	3688.8	3719.8	3750.9	3780.1	3809.3
5°	3474.3	3530.7	3587.8	3648.3	3708.8	3773.4	3838.3	3902.6	3967.1	4031.6	4096.2
7.5°	3463.2	3536.1	3614.0	3698.4	3782.9	3878.7	3974.5	4072.9	4171.3	4277.7	4384.3
10°	3468.6	3547.0	3643.2	3743.2	3842.9	3959.5	4075.8	4205.7	4335.9	4470.5	4605.2
12.5°	3475.4	3548.3	3649.4	3762.4	3875.3	4012.6	4149.8	4297.2	4444.5	4592.4	4740.4
15°	3446.5	3504.9	3616.7	3747.5	3878.3	4036.3	4194.4	4354.3	4514.1	4668.5	4822.7
17.5°	3358.1	3394.1	3525.7	3682.9	3840.3	4023.7	4207.2	4381.6	4556.0	4712.4	4869.0
20°	3214.0	3223.5	3376.7	3571.6	3766.6	3988.9	4211.3	4403.0	4594.6	4757.3	4919.9
22.5°	3050.5	3031.8	3206.2	3441.0	3675.8	3946.2	4216.7	4431.8	4646.6	4812.9	4979.0
25°	2891.8	2841.6	3020.3	3295.2	3570.2	3904.1	4238.2	4484.0	4729.6	4892.3	5055.1
27.5°	2753.3	2692.1	2854.7	3161.8	3468.9	3875.9	4283.1	4565.6	4847.8	5003.2	5158.4
30°	2631.3	2583.3	2719.9	3050.3	3380.8	3862.8	4344.5	4671.1	4997.8	5147.7	5297.7
32.5°	2524.5	2503.0	2613.2	2954.3	3295.2	3846.5	4397.6	4781.4	5165.3	5313.7	5462.2
35°	2423.6	2432.4	2524.2	2859.7	3195.3	3815.8	4436.4	4907.0	5377.6	5519.8	5662.0
37.5°	2317.8	2350.2	2430.4	2748.5	3066.8	3763.2	4459.5	5047.6	5635.9	5817.2	5998.5
40°	2202.0	2251.6	2324.4	2615.9	2907.5	3690.7	4474.0	5226.3	5978.3	6242.6	6506.8
42.5°	2079.0	2141.5	2208.6	2469.5	2730.5	3615.9	4501.6	5460.0	6418.2	6799.6	7181.0
45°	1956.6	2017.2	2085.2	2314.0	2542.9	3546.5	4550.2	5767.4	6984.7	7499.1	8013.6
47.5°	1847.6	1899.6	1987.3	2191.0	2394.8	3489.1	4583.5	6095.0	7606.5	8330.7	9054.7
50°	1751.4	1811.9	1927.2	2109.3	2291.5	3426.6	4561.8	6398.9	8236.1	9327.9	10419.5
52.5°	1679.8	1764.3	1896.9	2055.5	2214.2	3321.0	4427.8	6596.3	8764.6	10375.4	11986.0
55°	1641.7	1769.0	1892.4	2016.5	2140.6	3145.9	4151.2	6552.8	8954.2	11304.0	13653.9
57.5°	1618.9	1773.9	1882.6	1970.3	2057.9	2899.0	3740.0	6246.7	8753.4	11962.2	15170.8
60°	1597.5	1758.9	1830.6	1899.6	1968.5	2578.5	3188.6	5677.0	8165.5	12126.6	16087.7
62.5°	1572.5	1722.2	1731.0	1776.7	1822.6	2194.9	2567.4	4906.7	7246.0	11434.1	15622.1
65°	1519.7	1633.8	1632.7	1654.4	1676.0	1849.8	2023.7	4120.8	6218.0	10454.2	14690.3
67.5°	1425.6	1489.7	1492.7	1480.8	1468.7	1518.1	1567.5	3350.8	5134.2	9288.0	13441.8
70°	1306.3	1327.4	1327.4	1271.5	1215.4	1201.5	1187.4	2638.4	4089.3	8015.6	11941.9
72.5°	1173.3	1173.0	1159.7	1080.5	1001.1	958.4	915.8	2017.0	3118.2	6636.3	10154.5
75°	1022.4	1027.6	966.2	877.3	788.3	749.8	711.1	1463.9	2216.7	5055.0	7893.3
77.5°	871.2	874.0	772.7	686.4	600.1	573.8	547.6	992.0	1436.4	3538.1	5639.7
80°	698.9	699.4	578.4	505.4	432.2	421.4	410.5	639.1	867.9	2279.5	3691.1
82.5°	514.0	508.4	405.1	351.3	297.5	295.2	293.4	393.1	493.1	1319.3	2145.6
85°	338.5	331.0	254.2	214.7	175.4	176.4	177.4	210.1	243.0	593.5	944.0
87.5°	149.5	140.0	108.0	91.8	75.8	76.8	77.8	87.1	96.6	194.3	292.2
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: P964999
 CATALOG NUMBER: NAV-SB3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3
2.5°	3823.8	3838.3	3858.8	3879.3	3891.6	3903.8	3910.0	3916.0	3913.3	3916.0	3910.0
5°	4146.6	4197.2	4247.2	4297.3	4324.5	4351.7	4368.1	4384.7	4397.2	4384.7	4368.1
7.5°	4466.4	4548.4	4622.2	4696.0	4740.4	4784.9	4809.0	4832.9	4844.5	4832.9	4809.0
10°	4702.3	4799.4	4885.9	4972.5	5025.0	5077.1	5100.5	5123.8	5132.6	5123.8	5100.5
12.5°	4845.7	4950.8	5029.1	5107.1	5145.1	5183.2	5195.9	5208.7	5210.1	5208.7	5195.9
15°	4913.5	5004.2	5053.2	5102.4	5103.8	5105.1	5091.6	5078.0	5062.0	5078.0	5091.6
17.5°	4930.2	4991.5	4992.5	4993.3	4938.2	4883.2	4832.8	4782.2	4746.6	4782.2	4832.8
20°	4941.2	4962.7	4898.2	4833.6	4712.0	4590.6	4502.0	4413.5	4359.2	4413.5	4502.0
22.5°	4951.1	4923.0	4789.2	4655.5	4476.8	4298.0	4187.3	4076.7	4016.7	4076.7	4187.3
25°	4966.7	4878.4	4675.3	4472.3	4255.2	4038.1	3921.8	3805.7	3748.8	3805.7	3921.8
27.5°	5000.5	4842.4	4573.4	4304.6	4063.9	3823.4	3708.9	3594.6	3540.9	3594.6	3708.9
30°	5062.2	4826.7	4495.6	4164.6	3913.9	3663.2	3557.1	3451.0	3401.0	3451.0	3557.1
32.5°	5139.7	4817.3	4442.7	4068.0	3832.5	3596.9	3513.6	3430.2	3394.1	3430.2	3513.6
35°	5267.3	4872.7	4482.3	4092.1	3928.4	3764.9	3745.5	3726.1	3723.0	3726.1	3745.5
37.5°	5534.2	5069.9	4715.0	4360.2	4349.7	4339.0	4428.0	4516.9	4563.1	4516.9	4428.0
40°	6001.9	5496.9	5233.0	4969.2	5155.4	5341.7	5557.8	5773.9	5881.6	5773.9	5557.8
42.5°	6680.0	6179.0	6027.0	5875.1	6281.2	6687.3	7080.5	7473.6	7704.3	7473.6	7080.5
45°	7563.6	7113.3	7046.4	6979.2	7629.9	8280.7	8926.6	9572.7	9964.8	9572.7	8926.6
47.5°	8617.0	8179.0	8165.5	8151.8	9090.5	10029.0	10974.7	11920.1	12475.4	11920.1	10974.7
50°	9878.6	9338.0	9340.2	9342.6	10552.3	11762.1	13010.2	14258.5	15013.2	14258.5	13010.2
52.5°	11331.2	10676.4	10610.2	10543.9	11988.9	13434.0	14978.3	16522.6	17427.3	16522.6	14978.3
55°	13006.8	12359.9	12101.8	11843.6	13451.9	15060.0	16901.2	18742.3	19818.2	18742.3	16901.2
57.5°	14818.5	14466.0	13948.3	13430.7	15054.6	16678.5	18764.0	20849.2	22183.4	20849.2	18764.0
60°	16634.9	17182.3	16539.4	15896.4	17433.2	18970.0	21202.7	23435.5	24877.4	23435.5	21202.7
62.5°	17117.5	18612.8	18540.3	18467.7	19875.6	21283.5	23407.7	25531.9	26864.6	25531.9	23407.7
65°	16093.8	17497.3	17774.9	18052.5	19841.5	21630.8	23690.6	25750.4	26885.0	25750.4	23690.6
67.5°	14776.6	16111.5	16241.6	16371.7	18235.9	20099.8	22168.5	24237.1	25126.1	24237.1	22168.5
70°	13393.7	14845.7	14903.9	14962.2	16629.2	18296.0	20076.3	21856.4	22350.5	21856.4	20076.3
72.5°	11820.5	13486.7	13528.6	13570.3	14874.5	16178.7	17512.0	18845.2	18895.3	18845.2	17512.0
75°	9617.7	11342.0	11496.8	11651.7	12666.3	13681.1	14619.7	15558.3	15306.7	15558.3	14619.7
77.5°	7249.3	8859.1	9080.6	9302.2	10073.6	10844.9	11510.5	12176.4	11744.1	12176.4	11510.5
80°	5045.4	6399.5	6674.8	6950.2	7532.8	8115.1	8464.8	8814.2	8118.9	8814.2	8464.8
82.5°	3071.4	3997.4	4305.0	4612.7	5013.7	5414.7	5560.5	5706.2	5159.7	5706.2	5560.5
85°	1435.4	1926.8	2188.5	2450.1	2779.6	3108.9	3191.7	3274.5	2836.8	3274.5	3191.7
87.5°	457.4	622.6	768.5	914.5	1079.2	1244.0	1251.1	1258.0	1056.2	1258.0	1251.1
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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 CATALOG NUMBER: NAV-SB3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3	3542.3
2.5°	3903.8	3891.6	3879.3	3858.8	3838.3	3823.8	3809.3
5°	4351.7	4324.5	4297.3	4247.2	4197.2	4146.6	4096.2
7.5°	4784.9	4740.4	4696.0	4622.2	4548.4	4466.4	4384.3
10°	5077.1	5025.0	4972.5	4885.9	4799.4	4702.3	4605.2
12.5°	5183.2	5145.1	5107.1	5029.1	4950.8	4845.7	4740.4
15°	5105.1	5103.8	5102.4	5053.2	5004.2	4913.5	4822.7
17.5°	4883.2	4938.2	4993.3	4992.5	4991.5	4930.2	4869.0
20°	4590.6	4712.0	4833.6	4898.2	4962.7	4941.2	4919.9
22.5°	4298.0	4476.8	4655.5	4789.2	4923.0	4951.1	4979.0
25°	4038.1	4255.2	4472.3	4675.3	4878.4	4966.7	5055.1
27.5°	3823.4	4063.9	4304.6	4573.4	4842.4	5000.5	5158.4
30°	3663.2	3913.9	4164.6	4495.6	4826.7	5062.2	5297.7
32.5°	3596.9	3832.5	4068.0	4442.7	4817.3	5139.7	5462.2
35°	3764.9	3928.4	4092.1	4482.3	4872.7	5267.3	5662.0
37.5°	4339.0	4349.7	4360.2	4715.0	5069.9	5534.2	5998.5
40°	5341.7	5155.4	4969.2	5233.0	5496.9	6001.9	6506.8
42.5°	6687.3	6281.2	5875.1	6027.0	6179.0	6680.0	7181.0
45°	8280.7	7629.9	6979.2	7046.4	7113.3	7563.6	8013.6
47.5°	10029.0	9090.5	8151.8	8165.5	8179.0	8617.0	9054.7
50°	11762.1	10552.3	9342.6	9340.2	9338.0	9878.6	10419.5
52.5°	13434.0	11988.9	10543.9	10610.2	10676.4	11331.2	11986.0
55°	15060.0	13451.9	11843.6	12101.8	12359.9	13006.8	13653.9
57.5°	16678.5	15054.6	13430.7	13948.3	14466.0	14818.5	15170.8
60°	18970.0	17433.2	15896.4	16539.4	17182.3	16634.9	16087.7
62.5°	21283.5	19875.6	18467.7	18540.3	18612.8	17117.5	15622.1
65°	21630.8	19841.5	18052.5	17774.9	17497.3	16093.8	14690.3
67.5°	20099.8	18235.9	16371.7	16241.6	16111.5	14776.6	13441.8
70°	18296.0	16629.2	14962.2	14903.9	14845.7	13393.7	11941.9
72.5°	16178.7	14874.5	13570.3	13528.6	13486.7	11820.5	10154.5
75°	13681.1	12666.3	11651.7	11496.8	11342.0	9617.7	7893.3
77.5°	10844.9	10073.6	9302.2	9080.6	8859.1	7249.3	5639.7
80°	8115.1	7532.8	6950.2	6674.8	6399.5	5045.4	3691.1
82.5°	5414.7	5013.7	4612.7	4305.0	3997.4	3071.4	2145.6
85°	3108.9	2779.6	2450.1	2188.5	1926.8	1435.4	944.0
87.5°	1244.0	1079.2	914.5	768.5	622.6	457.4	292.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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