

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: P962610

Luminaire Tested: **NAV-SB2C-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P962610
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-SB2C-830-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13744.2 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 100.9
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



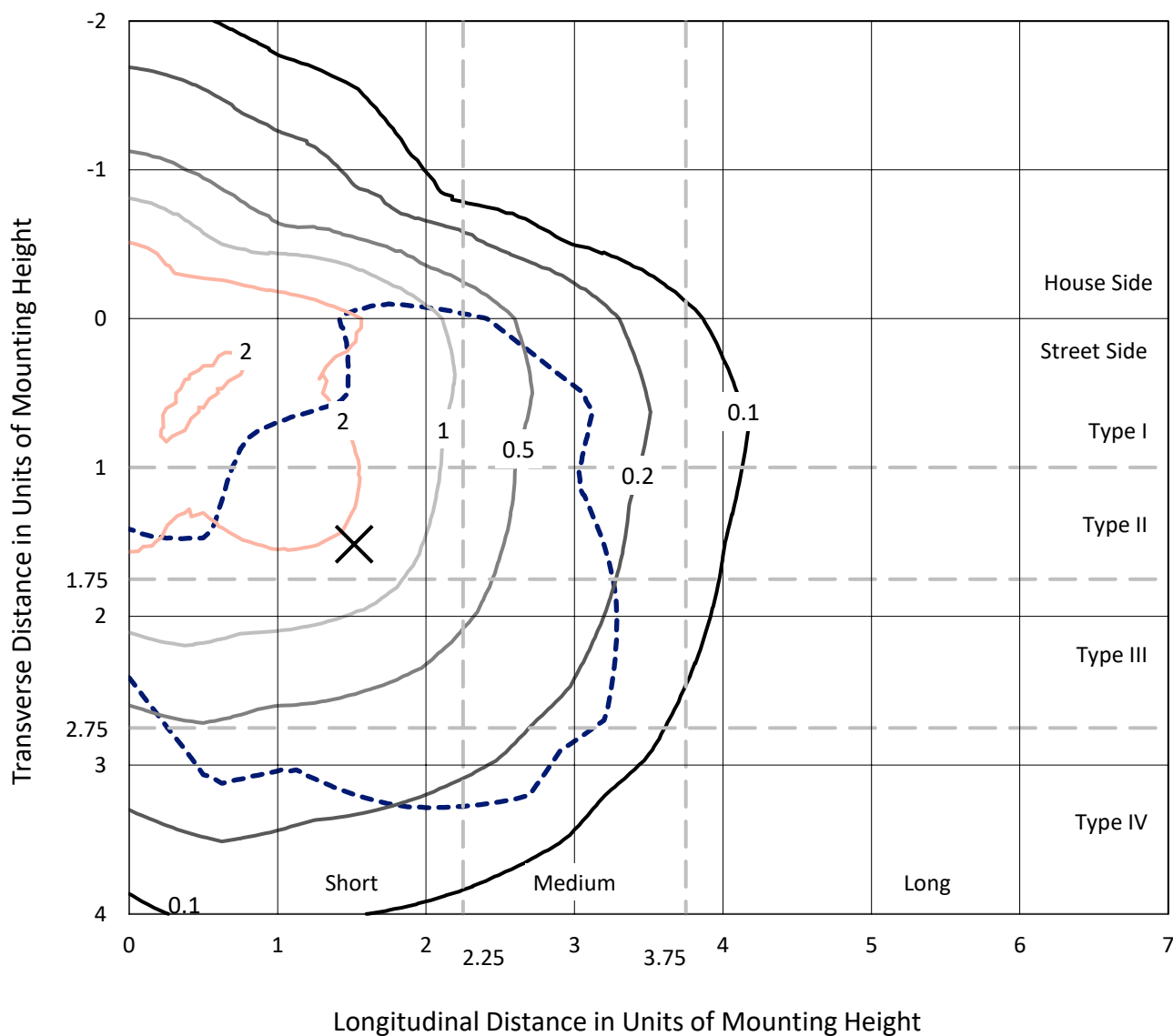
REPORT NUMBER: P962610

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

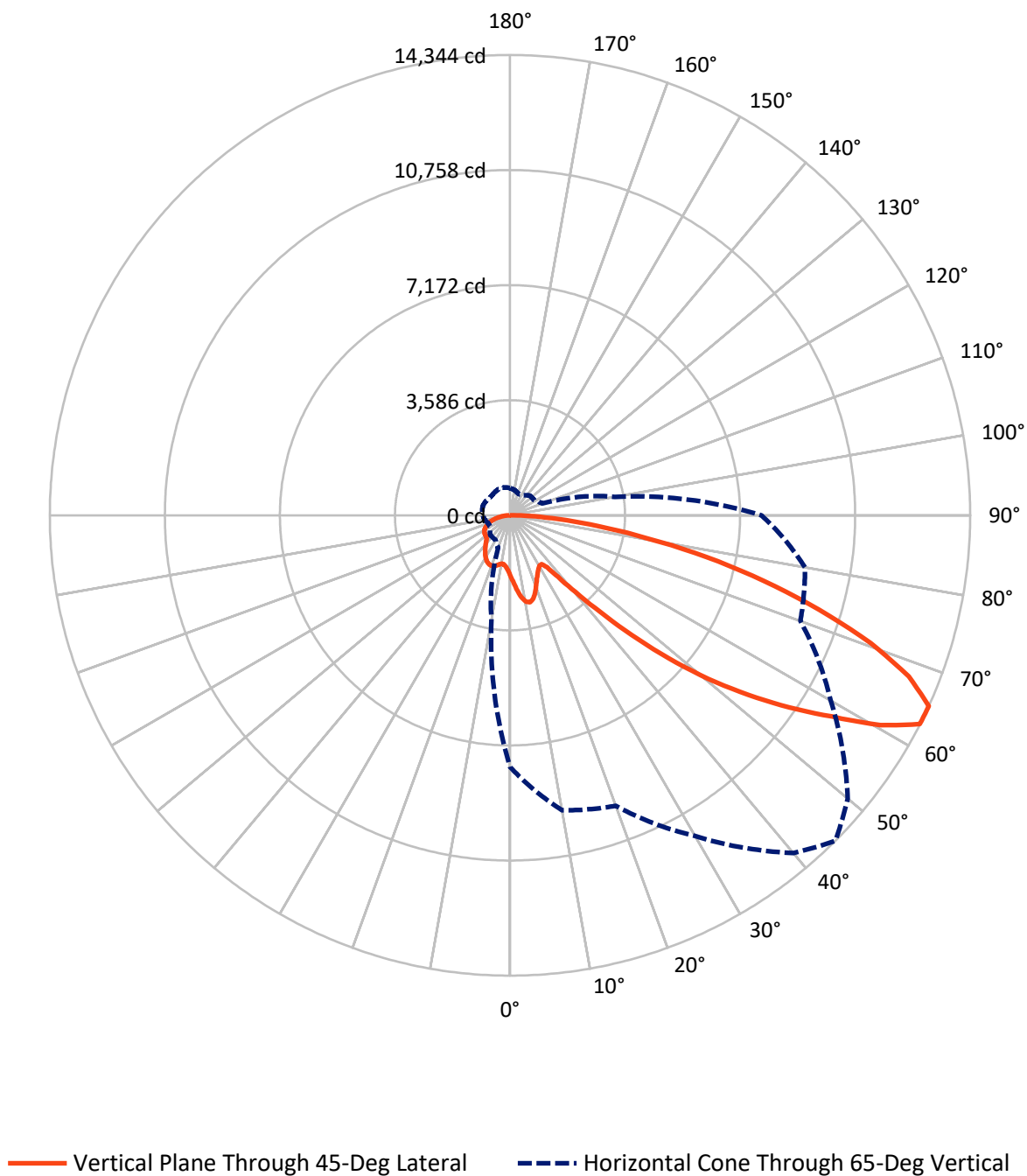


Based on 25 foot mounting height. Maximum calculated value = 4.2 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3493.1	0.0	3493.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	10251.1	0.0	10251.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	13744.2	0.0	13744.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.5	1.4
10°-20°	588.5	4.3
20°-30°	909.1	6.6
30°-40°	1152.0	8.4
40°-50°	1737.6	12.6
50°-60°	2807.3	20.4
60°-70°	3499.8	25.5
70°-80°	2295.0	16.7
80°-90°	567.4	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°	13744.2	100.0
0°-180°	13744.2	100.0

Coefficient of Utilization



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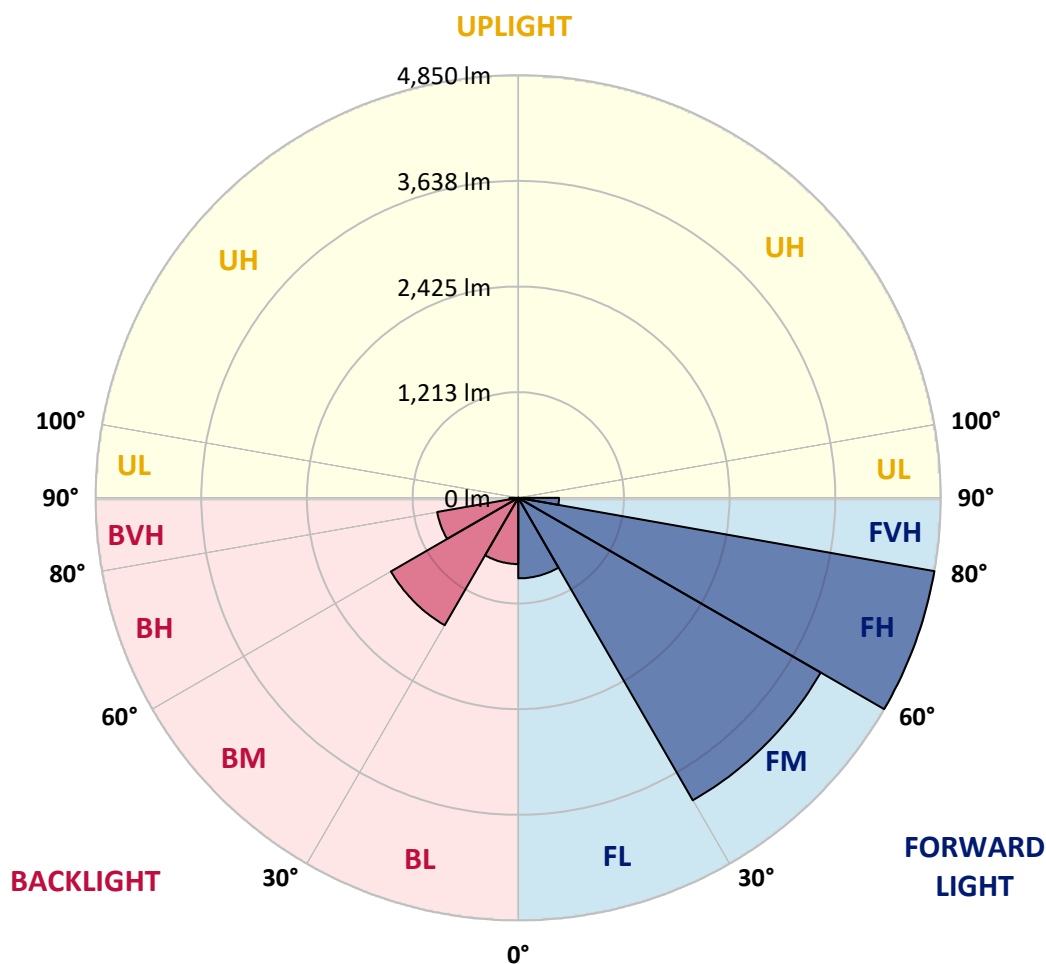
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	924.5	6.7			
FM	(30°-60°)	4008.9	29.2			
FH	(60°-80°)	4850.4	35.3			G2/5000
FVH	(80°-90°)	467.4	3.4			G3/500
BL	(0°-30°)	760.7	5.5	B2/1000		
BM	(30°-60°)	1688.1	12.3	B2/2500		
BH	(60°-80°)	944.4	6.9	B2/1000		G2/1000
BVH	(80°-90°)	100.0	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0
2.5°	2032.5	2040.2	2048.0	2058.8	2069.8	2076.3	2082.9	2086.1	2089.4	2087.9	2089.4
5°	2185.5	2212.4	2239.3	2266.1	2292.8	2307.3	2321.8	2330.6	2339.5	2346.1	2339.5
7.5°	2339.3	2383.0	2426.8	2466.1	2505.5	2529.3	2553.0	2565.8	2578.6	2584.7	2578.6
10°	2457.1	2508.9	2560.7	2606.9	2653.0	2681.0	2708.9	2721.4	2733.8	2738.5	2733.8
12.5°	2529.3	2585.4	2641.4	2683.2	2724.9	2745.2	2765.4	2772.2	2779.1	2779.8	2779.1
15°	2573.2	2621.5	2669.9	2696.2	2722.4	2723.1	2723.8	2716.6	2709.3	2700.8	2709.3
17.5°	2597.8	2630.5	2663.2	2663.7	2664.2	2634.8	2605.3	2578.5	2551.5	2532.5	2551.5
20°	2624.9	2636.4	2647.8	2613.3	2578.9	2514.1	2449.2	2402.0	2354.8	2325.8	2354.8
22.5°	2656.5	2641.5	2626.7	2555.3	2483.9	2388.6	2293.1	2234.2	2175.2	2143.1	2175.2
25°	2697.1	2650.0	2602.9	2494.5	2386.2	2270.4	2154.5	2092.4	2030.5	2000.2	2030.5
27.5°	2752.2	2668.0	2583.6	2440.1	2296.6	2168.3	2040.0	1978.9	1917.9	1889.2	1917.9
30°	2826.5	2700.9	2575.3	2398.6	2222.0	2088.2	1954.5	1897.9	1841.2	1814.6	1841.2
32.5°	2914.4	2742.3	2570.2	2370.3	2170.4	2044.8	1919.1	1874.6	1830.1	1810.9	1830.1
35°	3021.0	2810.3	2599.8	2391.5	2183.4	2096.0	2008.7	1998.3	1988.0	1986.4	1988.0
37.5°	3200.5	2952.7	2705.0	2515.7	2326.4	2320.7	2315.1	2362.5	2410.0	2434.6	2410.0
40°	3471.7	3202.2	2932.8	2792.1	2651.3	2750.7	2850.0	2965.3	3080.6	3138.0	3080.6
42.5°	3831.3	3564.0	3296.7	3215.6	3134.6	3351.2	3568.0	3777.7	3987.5	4110.6	3987.5
45°	4275.6	4035.4	3795.3	3759.5	3723.7	4070.9	4418.1	4762.8	5107.5	5316.7	5107.5
47.5°	4831.1	4597.5	4363.8	4356.6	4349.4	4850.2	5350.9	5855.4	6359.9	6656.1	6359.9
50°	5559.3	5270.7	4982.2	4983.4	4984.7	5630.1	6275.6	6941.5	7607.6	8010.2	7607.6
52.5°	6395.1	6045.7	5696.3	5661.0	5625.6	6396.6	7167.6	7991.6	8815.5	9298.2	8815.5
55°	7285.0	6939.8	6594.5	6456.8	6319.1	7177.2	8035.2	9017.5	9999.8	10573.9	9999.8
57.5°	8094.3	7906.3	7718.2	7442.0	7165.9	8032.3	8898.7	10011.4	11123.9	11835.8	11123.9
60°	8583.5	8875.5	9167.5	8824.4	8481.5	9301.4	10121.3	11312.6	12503.9	13273.1	12503.9
62.5°	8335.1	9132.9	9930.7	9892.1	9853.3	10604.4	11355.7	12489.0	13622.4	14333.4	13622.4
65°	7838.0	8586.7	9335.5	9483.7	9631.8	10586.3	11541.0	12640.0	13738.9	14344.4	13738.9
67.5°	7171.8	7884.0	8596.2	8665.7	8735.0	9729.6	10724.2	11827.9	12931.6	13405.9	12931.6
70°	6371.5	7146.1	7920.8	7951.8	7983.0	8872.4	9761.7	10711.6	11661.3	11925.0	11661.3
72.5°	5417.8	6306.7	7195.7	7218.0	7240.3	7936.2	8632.0	9343.4	10054.7	10081.4	10054.7
75°	4211.4	5131.5	6051.5	6134.1	6216.6	6758.0	7299.4	7800.2	8301.0	8166.8	8301.0
77.5°	3009.0	3867.8	4726.7	4844.9	4963.2	5374.7	5786.2	6141.4	6496.7	6266.0	6496.7
80°	1969.3	2692.0	3414.4	3561.4	3708.2	4019.1	4329.8	4516.3	4702.8	4331.8	4702.8
82.5°	1144.8	1638.8	2132.7	2296.9	2461.0	2675.0	2889.0	2966.8	3044.6	2752.9	3044.6
85°	503.7	765.9	1028.0	1167.6	1307.2	1483.1	1658.8	1702.9	1747.1	1513.5	1747.1
87.5°	155.9	244.1	332.2	410.0	487.9	575.8	663.7	667.5	671.2	563.5	671.2
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°	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0
2.5°	2086.1	2082.9	2076.3	2069.8	2058.8	2048.0	2040.2	2032.5	2016.9	2001.3	1984.7
5°	2330.6	2321.8	2307.3	2292.8	2266.1	2239.3	2212.4	2185.5	2151.1	2116.6	2082.2
7.5°	2565.8	2553.0	2529.3	2505.5	2466.1	2426.8	2383.0	2339.3	2282.4	2225.6	2173.1
10°	2721.4	2708.9	2681.0	2653.0	2606.9	2560.7	2508.9	2457.1	2385.2	2313.3	2243.9
12.5°	2772.2	2765.4	2745.2	2724.9	2683.2	2641.4	2585.4	2529.3	2450.3	2371.3	2292.7
15°	2716.6	2723.8	2723.1	2722.4	2696.2	2669.9	2621.5	2573.2	2490.9	2408.4	2323.2
17.5°	2578.5	2605.3	2634.8	2664.2	2663.7	2663.2	2630.5	2597.8	2514.3	2430.8	2337.8
20°	2402.0	2449.2	2514.1	2578.9	2613.3	2647.8	2636.4	2624.9	2538.2	2451.4	2349.2
22.5°	2234.2	2293.1	2388.6	2483.9	2555.3	2626.7	2641.5	2656.5	2567.9	2479.2	2364.6
25°	2092.4	2154.5	2270.4	2386.2	2494.5	2602.9	2650.0	2697.1	2610.3	2523.4	2392.4
27.5°	1978.9	2040.0	2168.3	2296.6	2440.1	2583.6	2668.0	2752.2	2669.4	2586.5	2435.9
30°	1897.9	1954.5	2088.2	2222.0	2398.6	2575.3	2700.9	2826.5	2746.5	2666.5	2492.3
32.5°	1874.6	1919.1	2044.8	2170.4	2370.3	2570.2	2742.3	2914.4	2835.0	2755.9	2551.0
35°	1998.3	2008.7	2096.0	2183.4	2391.5	2599.8	2810.3	3021.0	2945.1	2869.2	2618.1
37.5°	2362.5	2315.1	2320.7	2326.4	2515.7	2705.0	2952.7	3200.5	3103.7	3006.9	2693.2
40°	2965.3	2850.0	2750.7	2651.3	2792.1	2932.8	3202.2	3471.7	3330.7	3189.7	2788.4
42.5°	3777.7	3568.0	3351.2	3134.6	3215.6	3296.7	3564.0	3831.3	3627.9	3424.4	2913.2
45°	4762.8	4418.1	4070.9	3723.7	3759.5	3795.3	4035.4	4275.6	4001.1	3726.6	3077.2
47.5°	5855.4	5350.9	4850.2	4349.4	4356.6	4363.8	4597.5	4831.1	4444.8	4058.4	3251.9
50°	6941.5	6275.6	5630.1	4984.7	4983.4	4982.2	5270.7	5559.3	4976.8	4394.3	3414.1
52.5°	7991.6	7167.6	6396.6	5625.6	5661.0	5696.3	6045.7	6395.1	5535.7	4676.3	3519.4
55°	9017.5	8035.2	7177.2	6319.1	6456.8	6594.5	6939.8	7285.0	6031.2	4777.4	3496.2
57.5°	10011.4	8898.7	8032.3	7165.9	7442.0	7718.2	7906.3	8094.3	6382.3	4670.3	3332.9
60°	11312.6	10121.3	9301.4	8481.5	8824.4	9167.5	8875.5	8583.5	6470.1	4356.6	3028.9
62.5°	12489.0	11355.7	10604.4	9853.3	9892.1	9930.7	9132.9	8335.1	6100.6	3866.1	2618.0
65°	12640.0	11541.0	10586.3	9631.8	9483.7	9335.5	8586.7	7838.0	5577.7	3317.5	2198.6
67.5°	11827.9	10724.2	9729.6	8735.0	8665.7	8596.2	7884.0	7171.8	4955.6	2739.3	1787.8
70°	10711.6	9761.7	8872.4	7983.0	7951.8	7920.8	7146.1	6371.5	4276.7	2181.8	1407.6
72.5°	9343.4	8632.0	7936.2	7240.3	7218.0	7195.7	6306.7	5417.8	3540.8	1663.7	1076.1
75°	7800.2	7299.4	6758.0	6216.6	6134.1	6051.5	5131.5	4211.4	2697.1	1182.7	781.0
77.5°	6141.4	5786.2	5374.7	4963.2	4844.9	4726.7	3867.8	3009.0	1887.7	766.4	529.3
80°	4516.3	4329.8	4019.1	3708.2	3561.4	3414.4	2692.0	1969.3	1216.2	463.1	341.0
82.5°	2966.8	2889.0	2675.0	2461.0	2296.9	2132.7	1638.8	1144.8	703.9	263.1	209.7
85°	1702.9	1658.8	1483.1	1307.2	1167.6	1028.0	765.9	503.7	316.6	129.7	112.1
87.5°	667.5	663.7	575.8	487.9	410.0	332.2	244.1	155.9	103.7	51.5	46.5
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°	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0
2.5°	1968.1	1951.5	1934.8	1918.8	1902.8	1887.4	1870.2	1856.3	1842.4	1829.9	1817.4
5°	2048.0	2013.3	1978.8	1946.5	1914.3	1883.7	1853.7	1827.5	1801.1	1779.1	1757.1
7.5°	2120.6	2069.5	2018.3	1973.2	1928.2	1886.7	1847.8	1812.8	1777.9	1748.9	1719.8
10°	2174.6	2112.5	2050.4	1997.1	1943.8	1892.5	1850.6	1813.8	1776.9	1747.9	1718.9
12.5°	2214.1	2140.9	2067.6	2007.4	1947.1	1893.2	1854.2	1824.1	1794.1	1774.8	1755.6
15°	2237.9	2153.5	2069.3	1999.5	1929.7	1870.0	1838.8	1824.4	1810.0	1812.6	1815.3
17.5°	2244.8	2146.9	2048.9	1965.0	1881.1	1810.9	1791.7	1796.9	1802.2	1833.8	1865.4
20°	2246.9	2128.3	2009.6	1905.6	1801.6	1719.8	1714.8	1739.4	1764.1	1819.1	1874.0
22.5°	2249.8	2105.5	1961.1	1835.9	1710.6	1617.7	1627.6	1664.1	1700.5	1763.2	1825.9
25°	2261.3	2083.0	1904.9	1758.1	1611.5	1516.1	1542.9	1585.0	1627.1	1683.4	1739.8
27.5°	2285.2	2068.0	1850.7	1686.9	1523.1	1436.3	1468.9	1509.5	1550.2	1596.5	1642.8
30°	2317.9	2061.0	1803.8	1627.5	1451.2	1378.3	1403.9	1436.1	1468.4	1506.9	1545.3
32.5°	2346.2	2052.3	1758.1	1576.2	1394.2	1335.5	1346.8	1366.0	1385.1	1415.7	1446.5
35°	2367.0	2035.9	1704.9	1525.8	1346.7	1297.8	1293.0	1298.3	1303.6	1327.1	1350.3
37.5°	2379.3	2007.8	1636.3	1466.5	1296.7	1253.9	1236.7	1230.8	1225.1	1241.9	1258.6
40°	2387.1	1969.1	1551.2	1395.7	1240.1	1201.3	1174.9	1161.7	1148.6	1160.7	1172.8
42.5°	2401.8	1929.3	1456.8	1317.6	1178.3	1142.6	1109.3	1091.8	1074.4	1084.2	1094.2
45°	2427.7	1892.2	1356.8	1234.6	1112.5	1076.2	1044.0	1026.9	1010.1	1018.3	1026.7
47.5°	2445.4	1861.6	1277.7	1169.0	1060.3	1013.5	985.7	971.5	957.4	965.1	972.9
50°	2433.9	1828.2	1222.6	1125.4	1028.3	966.8	934.5	921.9	909.3	921.5	933.8
52.5°	2362.4	1771.9	1181.4	1096.6	1012.1	941.4	896.3	883.8	871.4	889.7	907.9
55°	2214.8	1678.4	1142.1	1075.8	1009.6	943.9	876.0	856.2	836.5	862.5	888.6
57.5°	1995.5	1546.7	1098.0	1051.2	1004.4	946.4	863.8	835.1	806.3	834.4	862.3
60°	1701.3	1375.8	1050.3	1013.5	976.7	938.5	852.3	815.1	777.8	802.4	826.9
62.5°	1369.8	1171.1	972.4	947.9	923.6	918.9	839.0	792.4	745.9	761.5	777.1
65°	1079.7	987.0	894.2	882.6	871.1	871.8	810.8	761.4	711.9	717.8	723.8
67.5°	836.3	810.1	783.6	790.1	796.4	794.9	760.7	719.4	678.2	676.4	674.4
70°	633.4	641.0	648.5	678.3	708.2	708.2	696.9	667.7	638.4	631.8	625.2
72.5°	488.6	511.4	534.1	576.5	618.8	625.9	626.0	606.0	585.9	576.3	566.7
75°	379.5	400.1	420.7	468.0	515.5	548.3	545.5	530.0	514.6	505.4	496.2
77.5°	292.1	306.2	320.2	366.2	412.3	466.3	464.8	452.4	440.0	430.8	421.5
80°	219.0	224.8	230.6	269.7	308.6	373.1	372.9	362.5	352.1	344.3	336.5
82.5°	156.5	157.5	158.7	187.4	216.1	271.2	274.3	269.2	264.1	258.6	253.1
85°	94.6	94.1	93.6	114.6	135.6	176.6	180.6	175.2	169.7	163.6	157.3
87.5°	41.5	41.0	40.5	49.0	57.6	74.7	79.7	77.6	75.4	74.3	73.1
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: P962610

CATALOG NUMBER: NAV-SB2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0
2.5°	1806.5	1795.5	1784.5	1773.6	1765.0	1756.5	1749.6	1742.7	1737.4	1732.0	1727.0
5°	1737.7	1718.2	1700.6	1682.8	1669.3	1655.7	1646.2	1636.7	1630.0	1623.2	1618.1
7.5°	1695.5	1671.0	1649.3	1627.8	1611.6	1595.5	1584.2	1572.9	1565.1	1557.4	1552.8
10°	1692.6	1666.2	1641.9	1617.7	1598.4	1579.0	1566.3	1553.6	1546.2	1538.9	1535.0
12.5°	1734.9	1714.3	1689.1	1664.1	1639.4	1614.7	1598.4	1582.1	1573.9	1565.8	1562.4
15°	1809.8	1804.5	1782.7	1760.8	1725.8	1690.6	1665.8	1641.0	1629.6	1618.4	1614.0
17.5°	1882.3	1899.0	1881.4	1863.9	1817.3	1770.9	1734.3	1697.8	1680.9	1664.1	1658.6
20°	1909.2	1944.3	1936.2	1928.0	1874.8	1821.7	1776.9	1732.2	1710.6	1689.1	1682.1
22.5°	1871.8	1917.5	1922.5	1927.3	1876.6	1825.7	1779.6	1733.5	1710.7	1688.0	1680.4
25°	1784.8	1829.9	1846.7	1863.4	1821.8	1780.3	1739.2	1698.3	1678.6	1659.0	1651.8
27.5°	1679.0	1715.0	1733.7	1752.5	1722.8	1693.3	1661.4	1629.5	1616.4	1603.1	1599.8
30°	1575.3	1605.3	1620.5	1635.8	1613.2	1590.6	1567.8	1544.9	1538.1	1531.4	1531.4
32.5°	1475.2	1504.0	1520.9	1537.8	1517.1	1496.3	1478.0	1459.9	1455.5	1451.0	1451.6
35°	1378.8	1407.3	1427.6	1447.9	1433.2	1418.4	1401.6	1384.9	1378.1	1371.4	1369.9
37.5°	1287.0	1315.4	1340.5	1365.6	1358.7	1352.0	1336.5	1321.0	1308.7	1296.5	1290.1
40°	1200.3	1227.6	1256.5	1285.5	1287.1	1288.7	1275.6	1262.5	1244.7	1226.9	1214.9
42.5°	1120.2	1146.3	1177.4	1208.6	1217.0	1225.3	1214.2	1203.1	1181.0	1159.0	1141.4
45°	1051.4	1076.0	1108.4	1140.8	1152.7	1164.7	1154.7	1144.8	1119.5	1094.2	1073.7
47.5°	997.0	1021.1	1053.1	1085.0	1098.7	1112.5	1105.6	1098.6	1076.0	1053.6	1034.6
50°	956.5	979.2	1007.8	1036.4	1054.0	1071.7	1071.3	1071.0	1053.1	1035.0	1017.5
52.5°	928.9	949.7	976.3	1003.0	1024.0	1044.9	1048.7	1052.5	1037.8	1023.2	1007.4
55°	911.0	933.5	956.8	980.1	1002.3	1024.6	1029.8	1035.0	1022.3	1009.5	995.8
57.5°	888.7	915.1	938.2	961.2	983.7	1006.0	1011.4	1016.6	1003.7	990.8	977.1
60°	857.2	887.5	910.9	934.5	956.9	979.4	985.2	991.1	978.4	965.9	951.8
62.5°	812.4	847.8	872.8	897.8	918.4	939.0	944.6	950.2	938.8	927.4	912.7
65°	761.7	799.6	823.5	847.5	865.6	883.7	889.4	895.0	884.2	873.2	858.8
67.5°	709.4	744.5	767.1	789.8	805.4	821.1	826.7	832.2	822.2	812.1	798.8
70°	656.0	686.7	706.3	725.9	740.0	754.2	759.6	765.0	756.8	748.6	735.8
72.5°	591.0	615.1	632.8	650.6	664.4	678.2	684.6	691.0	684.2	677.3	665.2
75°	514.1	532.2	548.2	564.3	576.9	589.5	596.1	602.8	599.5	596.1	585.9
77.5°	436.1	450.7	464.5	478.3	491.6	504.7	511.0	517.2	512.6	507.8	497.5
80°	348.7	360.8	372.4	384.0	394.1	404.1	412.4	420.7	418.6	416.7	402.8
82.5°	252.0	251.1	247.0	242.9	264.4	285.9	299.9	314.1	313.1	312.2	300.5
85°	152.1	146.9	135.6	124.3	144.4	164.6	182.0	199.5	198.0	196.5	187.4
87.5°	72.9	72.7	64.1	55.5	63.9	72.4	79.4	86.4	84.7	82.8	78.2
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: P962610

CATALOG NUMBER: NAV-SB2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0
2.5°	1722.1	1715.8	1722.1	1727.0	1732.0	1737.4	1742.7	1749.6	1756.5	1765.0	1773.6
5°	1612.9	1607.8	1612.9	1618.1	1623.2	1630.0	1636.7	1646.2	1655.7	1669.3	1682.8
7.5°	1548.3	1544.8	1548.3	1552.8	1557.4	1565.1	1572.9	1584.2	1595.5	1611.6	1627.8
10°	1531.1	1529.5	1531.1	1535.0	1538.9	1546.2	1553.6	1566.3	1579.0	1598.4	1617.7
12.5°	1559.1	1558.5	1559.1	1562.4	1565.8	1573.9	1582.1	1598.4	1614.7	1639.4	1664.1
15°	1609.7	1609.2	1609.7	1614.0	1618.4	1629.6	1641.0	1665.8	1690.6	1725.8	1760.8
17.5°	1652.9	1652.1	1652.9	1658.6	1664.1	1680.9	1697.8	1734.3	1770.9	1817.3	1863.9
20°	1675.3	1673.1	1675.3	1682.1	1689.1	1710.6	1732.2	1776.9	1821.7	1874.8	1928.0
22.5°	1672.7	1669.5	1672.7	1680.4	1688.0	1710.7	1733.5	1779.6	1825.7	1876.6	1927.3
25°	1644.7	1640.5	1644.7	1651.8	1659.0	1678.6	1698.3	1739.2	1780.3	1821.8	1863.4
27.5°	1596.6	1595.5	1596.6	1599.8	1603.1	1616.4	1629.5	1661.4	1693.3	1722.8	1752.5
30°	1531.4	1532.4	1531.4	1531.4	1531.4	1538.1	1544.9	1567.8	1590.6	1613.2	1635.8
32.5°	1452.3	1453.3	1452.3	1451.6	1451.0	1455.5	1459.9	1478.0	1496.3	1517.1	1537.8
35°	1368.5	1367.8	1368.5	1369.9	1371.4	1378.1	1384.9	1401.6	1418.4	1433.2	1447.9
37.5°	1283.6	1280.0	1283.6	1290.1	1296.5	1308.7	1321.0	1336.5	1352.0	1358.7	1365.6
40°	1203.0	1195.9	1203.0	1214.9	1226.9	1244.7	1262.5	1275.6	1288.7	1287.1	1285.5
42.5°	1123.9	1112.5	1123.9	1141.4	1159.0	1181.0	1203.1	1214.2	1225.3	1217.0	1208.6
45°	1053.2	1040.0	1053.2	1073.7	1094.2	1119.5	1144.8	1154.7	1164.7	1152.7	1140.8
47.5°	1015.7	1003.0	1015.7	1034.6	1053.6	1076.0	1098.6	1105.6	1112.5	1098.7	1085.0
50°	1000.0	987.8	1000.0	1017.5	1035.0	1053.1	1071.0	1071.3	1071.7	1054.0	1036.4
52.5°	991.8	980.5	991.8	1007.4	1023.2	1037.8	1052.5	1048.7	1044.9	1024.0	1003.0
55°	982.0	971.8	982.0	995.8	1009.5	1022.3	1035.0	1029.8	1024.6	1002.3	980.1
57.5°	963.5	952.9	963.5	977.1	990.8	1003.7	1016.6	1011.4	1006.0	983.7	961.2
60°	937.8	926.8	937.8	951.8	965.9	978.4	991.1	985.2	979.4	956.9	934.5
62.5°	897.8	884.8	897.8	912.7	927.4	938.8	950.2	944.6	939.0	918.4	897.8
65°	844.5	833.3	844.5	858.8	873.2	884.2	895.0	889.4	883.7	865.6	847.5
67.5°	785.5	775.3	785.5	798.8	812.1	822.2	832.2	826.7	821.1	805.4	789.8
70°	723.0	711.5	723.0	735.8	748.6	756.8	765.0	759.6	754.2	740.0	725.9
72.5°	653.0	641.9	653.0	665.2	677.3	684.2	691.0	684.6	678.2	664.4	650.6
75°	575.6	565.0	575.6	585.9	596.1	599.5	602.8	596.1	589.5	576.9	564.3
77.5°	487.2	478.7	487.2	497.5	507.8	512.6	517.2	511.0	504.7	491.6	478.3
80°	388.9	372.8	388.9	402.8	416.7	418.6	420.7	412.4	404.1	394.1	384.0
82.5°	288.7	278.5	288.7	300.5	312.2	313.1	314.1	299.9	285.9	264.4	242.9
85°	178.2	169.0	178.2	187.4	196.5	198.0	199.5	182.0	164.6	144.4	124.3
87.5°	73.4	68.9	73.4	78.2	82.8	84.7	86.4	79.4	72.4	63.9	55.5
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: P962610

CATALOG NUMBER: NAV-SB2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0
2.5°	1784.5	1795.5	1806.5	1817.4	1829.9	1842.4	1856.3	1870.2	1887.4	1902.8	1918.8
5°	1700.6	1718.2	1737.7	1757.1	1779.1	1801.1	1827.5	1853.7	1883.7	1914.3	1946.5
7.5°	1649.3	1671.0	1695.5	1719.8	1748.9	1777.9	1812.8	1847.8	1886.7	1928.2	1973.2
10°	1641.9	1666.2	1692.6	1718.9	1747.9	1776.9	1813.8	1850.6	1892.5	1943.8	1997.1
12.5°	1689.1	1714.3	1734.9	1755.6	1774.8	1794.1	1824.1	1854.2	1893.2	1947.1	2007.4
15°	1782.7	1804.5	1809.8	1815.3	1812.6	1810.0	1824.4	1838.8	1870.0	1929.7	1999.5
17.5°	1881.4	1899.0	1882.3	1865.4	1833.8	1802.2	1796.9	1791.7	1810.9	1881.1	1965.0
20°	1936.2	1944.3	1909.2	1874.0	1819.1	1764.1	1739.4	1714.8	1719.8	1801.6	1905.6
22.5°	1922.5	1917.5	1871.8	1825.9	1763.2	1700.5	1664.1	1627.6	1617.7	1710.6	1835.9
25°	1846.7	1829.9	1784.8	1739.8	1683.4	1627.1	1585.0	1542.9	1516.1	1611.5	1758.1
27.5°	1733.7	1715.0	1679.0	1642.8	1596.5	1550.2	1509.5	1468.9	1436.3	1523.1	1686.9
30°	1620.5	1605.3	1575.3	1545.3	1506.9	1468.4	1436.1	1403.9	1378.3	1451.2	1627.5
32.5°	1520.9	1504.0	1475.2	1446.5	1415.7	1385.1	1366.0	1346.8	1335.5	1394.2	1576.2
35°	1427.6	1407.3	1378.8	1350.3	1327.1	1303.6	1298.3	1293.0	1297.8	1346.7	1525.8
37.5°	1340.5	1315.4	1287.0	1258.6	1241.9	1225.1	1230.8	1236.7	1253.9	1296.7	1466.5
40°	1256.5	1227.6	1200.3	1172.8	1160.7	1148.6	1161.7	1174.9	1201.3	1240.1	1395.7
42.5°	1177.4	1146.3	1120.2	1094.2	1084.2	1074.4	1091.8	1109.3	1142.6	1178.3	1317.6
45°	1108.4	1076.0	1051.4	1026.7	1018.3	1010.1	1026.9	1044.0	1076.2	1112.5	1234.6
47.5°	1053.1	1021.1	997.0	972.9	965.1	957.4	971.5	985.7	1013.5	1060.3	1169.0
50°	1007.8	979.2	956.5	933.8	921.5	909.3	921.9	934.5	966.8	1028.3	1125.4
52.5°	976.3	949.7	928.9	907.9	889.7	871.4	883.8	896.3	941.4	1012.1	1096.6
55°	956.8	933.5	911.0	888.6	862.5	836.5	856.2	876.0	943.9	1009.6	1075.8
57.5°	938.2	915.1	888.7	862.3	834.4	806.3	835.1	863.8	946.4	1004.4	1051.2
60°	910.9	887.5	857.2	826.9	802.4	777.8	815.1	852.3	938.5	976.7	1013.5
62.5°	872.8	847.8	812.4	777.1	761.5	745.9	792.4	839.0	918.9	923.6	947.9
65°	823.5	799.6	761.7	723.8	717.8	711.9	761.4	810.8	871.8	871.1	882.6
67.5°	767.1	744.5	709.4	674.4	676.4	678.2	719.4	760.7	794.9	796.4	790.1
70°	706.3	686.7	656.0	625.2	631.8	638.4	667.7	696.9	708.2	708.2	678.3
72.5°	632.8	615.1	591.0	566.7	576.3	585.9	606.0	626.0	625.9	618.8	576.5
75°	548.2	532.2	514.1	496.2	505.4	514.6	530.0	545.5	548.3	515.5	468.0
77.5°	464.5	450.7	436.1	421.5	430.8	440.0	452.4	464.8	466.3	412.3	366.2
80°	372.4	360.8	348.7	336.5	344.3	352.1	362.5	372.9	373.1	308.6	269.7
82.5°	247.0	251.1	252.0	253.1	258.6	264.1	269.2	274.3	271.2	216.1	187.4
85°	135.6	146.9	152.1	157.3	163.6	169.7	175.2	180.6	176.6	135.6	114.6
87.5°	64.1	72.7	72.9	73.1	74.3	75.4	77.6	79.7	74.7	57.6	49.0
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-SB2C-830-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0	1890.0
2.5°	1934.8	1951.5	1968.1	1984.7	2001.3	2016.9	2032.5
5°	1978.8	2013.3	2048.0	2082.2	2116.6	2151.1	2185.5
7.5°	2018.3	2069.5	2120.6	2173.1	2225.6	2282.4	2339.3
10°	2050.4	2112.5	2174.6	2243.9	2313.3	2385.2	2457.1
12.5°	2067.6	2140.9	2214.1	2292.7	2371.3	2450.3	2529.3
15°	2069.3	2153.5	2237.9	2323.2	2408.4	2490.9	2573.2
17.5°	2048.9	2146.9	2244.8	2337.8	2430.8	2514.3	2597.8
20°	2009.6	2128.3	2246.9	2349.2	2451.4	2538.2	2624.9
22.5°	1961.1	2105.5	2249.8	2364.6	2479.2	2567.9	2656.5
25°	1904.9	2083.0	2261.3	2392.4	2523.4	2610.3	2697.1
27.5°	1850.7	2068.0	2285.2	2435.9	2586.5	2669.4	2752.2
30°	1803.8	2061.0	2317.9	2492.3	2666.5	2746.5	2826.5
32.5°	1758.1	2052.3	2346.2	2551.0	2755.9	2835.0	2914.4
35°	1704.9	2035.9	2367.0	2618.1	2869.2	2945.1	3021.0
37.5°	1636.3	2007.8	2379.3	2693.2	3006.9	3103.7	3200.5
40°	1551.2	1969.1	2387.1	2788.4	3189.7	3330.7	3471.7
42.5°	1456.8	1929.3	2401.8	2913.2	3424.4	3627.9	3831.3
45°	1356.8	1892.2	2427.7	3077.2	3726.6	4001.1	4275.6
47.5°	1277.7	1861.6	2445.4	3251.9	4058.4	4444.8	4831.1
50°	1222.6	1828.2	2433.9	3414.1	4394.3	4976.8	5559.3
52.5°	1181.4	1771.9	2362.4	3519.4	4676.3	5535.7	6395.1
55°	1142.1	1678.4	2214.8	3496.2	4777.4	6031.2	7285.0
57.5°	1098.0	1546.7	1995.5	3332.9	4670.3	6382.3	8094.3
60°	1050.3	1375.8	1701.3	3028.9	4356.6	6470.1	8583.5
62.5°	972.4	1171.1	1369.8	2618.0	3866.1	6100.6	8335.1
65°	894.2	987.0	1079.7	2198.6	3317.5	5577.7	7838.0
67.5°	783.6	810.1	836.3	1787.8	2739.3	4955.6	7171.8
70°	648.5	641.0	633.4	1407.6	2181.8	4276.7	6371.5
72.5°	534.1	511.4	488.6	1076.1	1663.7	3540.8	5417.8
75°	420.7	400.1	379.5	781.0	1182.7	2697.1	4211.4
77.5°	320.2	306.2	292.1	529.3	766.4	1887.7	3009.0
80°	230.6	224.8	219.0	341.0	463.1	1216.2	1969.3
82.5°	158.7	157.5	156.5	209.7	263.1	703.9	1144.8
85°	93.6	94.1	94.6	112.1	129.7	316.6	503.7
87.5°	40.5	41.0	41.5	46.5	51.5	103.7	155.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)