

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P946835

Luminaire Tested: **GALN-SB2B-840-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB2B-840-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10733 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

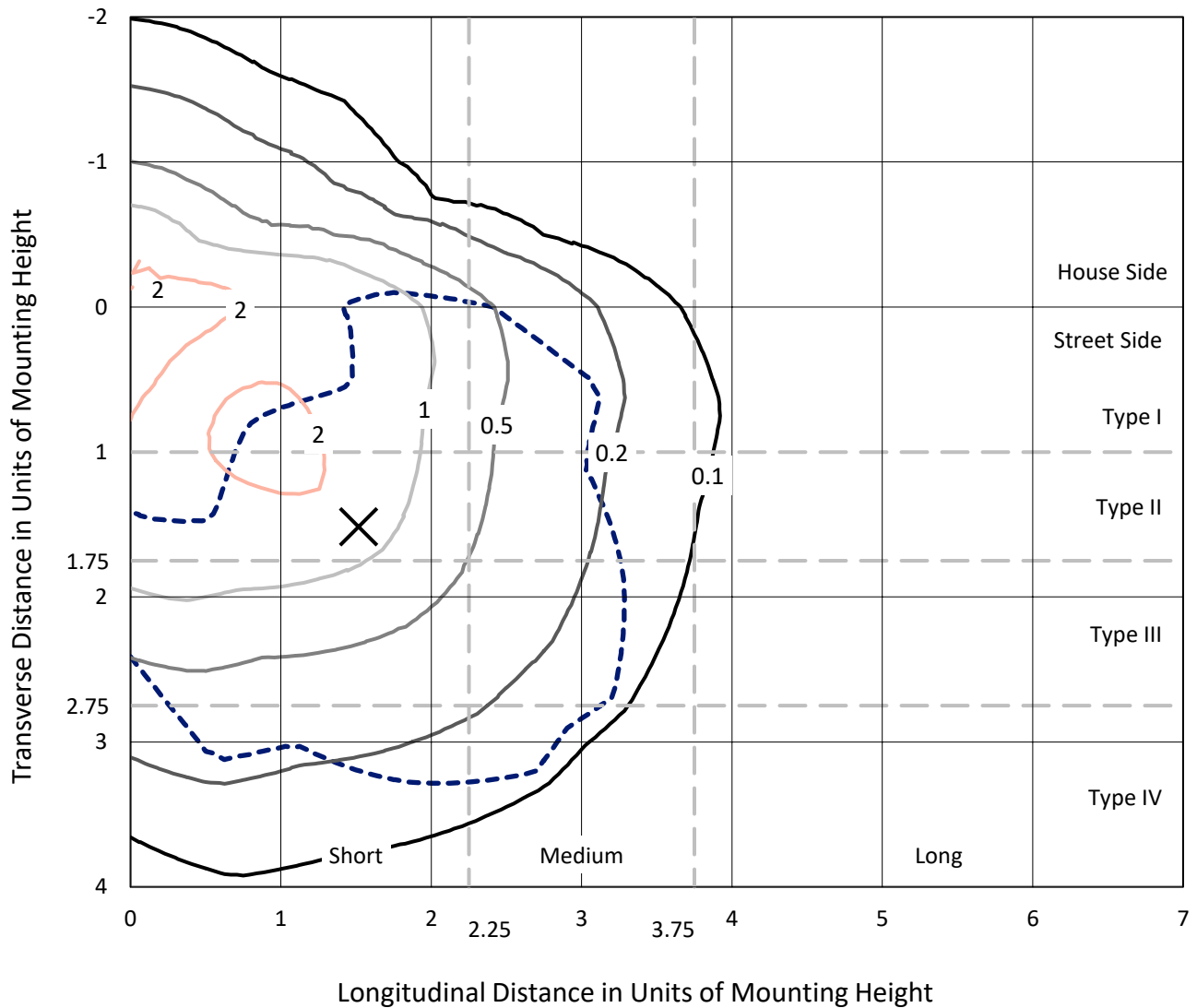
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

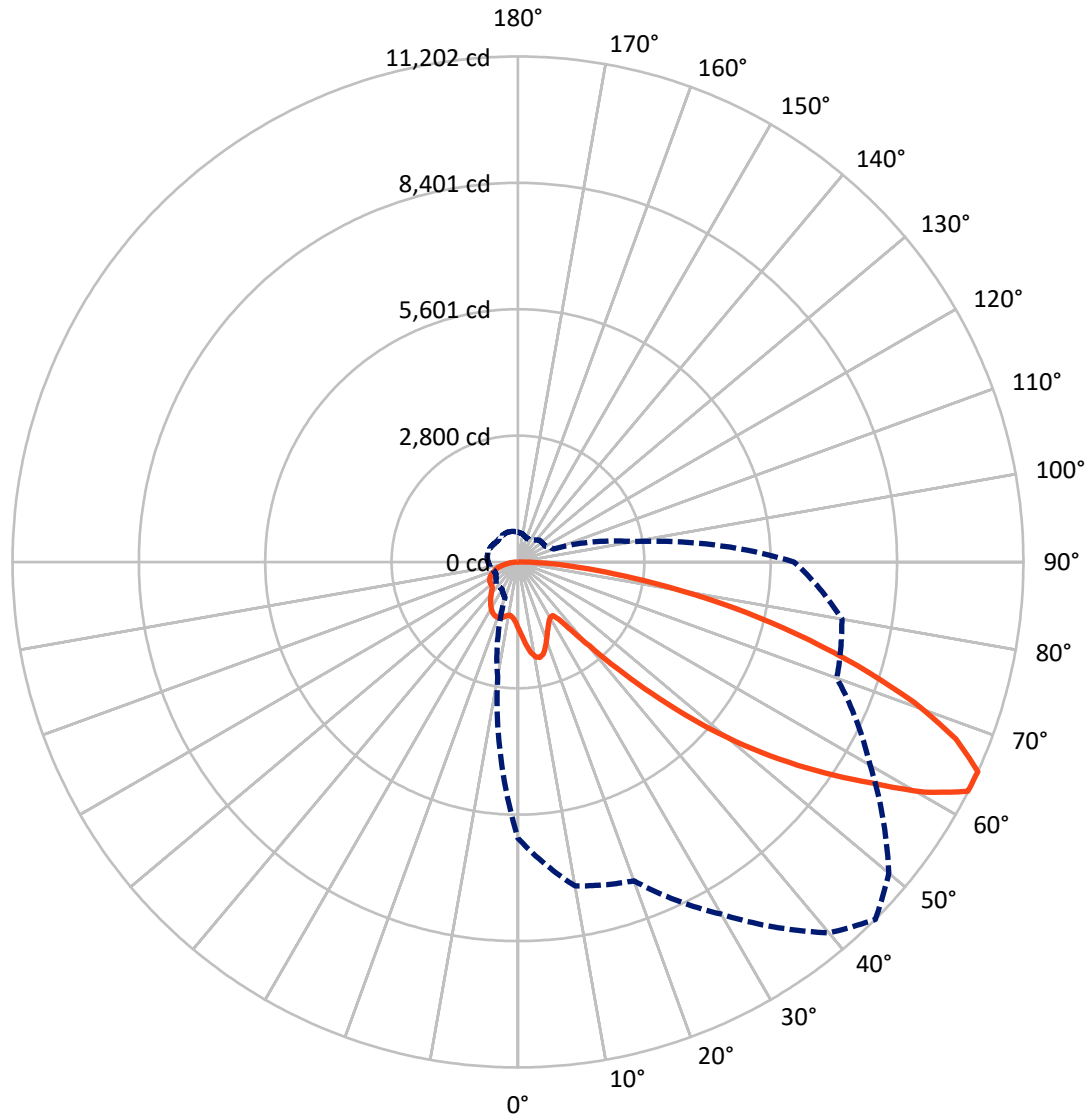
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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CATALOG NUMBER: GALN-SB2B-840-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2727.8	0.0	2727.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	8005.2	0.0	8005.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	10733.0	0.0	10733.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.4	1.4
10°-20°	459.6	4.3
20°-30°	709.9	6.6
30°-40°	899.6	8.4
40°-50°	1356.9	12.6
50°-60°	2192.3	20.4
60°-70°	2733.0	25.5
70°-80°	1792.2	16.7
80°-90°	443.1	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°	10733.0	100.0
0°-180°	10733.0	100.0

Coefficient of Utilization



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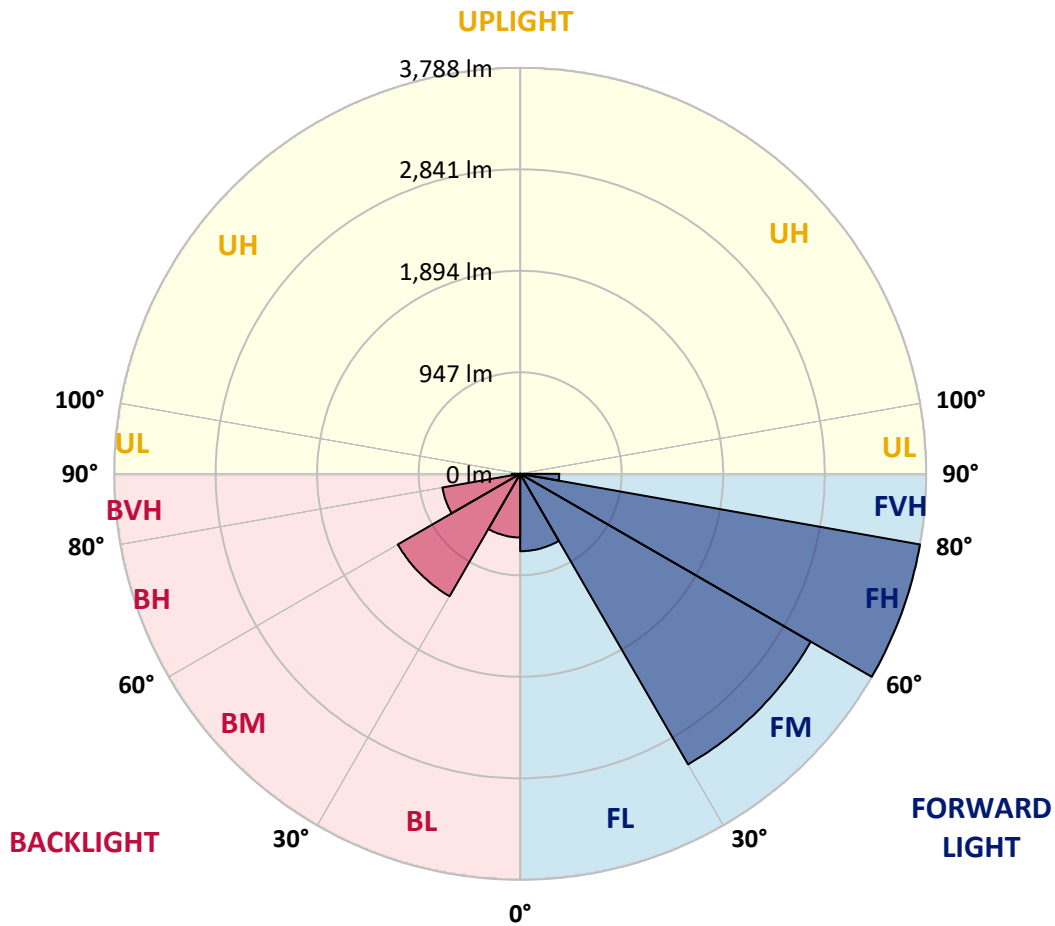
CATALOG NUMBER: GALN-SB2B-840-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	721.9	6.7			
FM (30°-60°)	3130.6	29.2			
FH (60°-80°)	3787.7	35.3			G2/5000
FVH (80°-90°)	365.0	3.4			G3/500
BL (0°-30°)	594.0	5.5	B2/1000		
BM (30°-60°)	1318.2	12.3	B2/2500		
BH (60°-80°)	737.5	6.9	B2/1000		G2/1000
BVH (80°-90°)	78.1	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°
0°	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9
2.5°	1587.2	1593.2	1599.2	1607.8	1616.3	1621.4	1626.5	1629.1	1631.6	1630.5
5°	1706.7	1727.7	1748.7	1769.6	1790.5	1801.8	1813.1	1820.0	1826.9	1832.1
7.5°	1826.7	1860.9	1895.1	1925.8	1956.6	1975.1	1993.6	2003.7	2013.6	2018.4
10°	1918.8	1959.2	1999.6	2035.7	2071.8	2093.6	2115.4	2125.1	2134.8	2138.5
12.5°	1975.1	2018.9	2062.7	2095.3	2127.8	2143.7	2159.6	2164.9	2170.2	2170.8
15°	2009.4	2047.2	2085.0	2105.4	2125.9	2126.5	2127.1	2121.4	2115.7	2109.0
17.5°	2028.6	2054.2	2079.7	2080.1	2080.4	2057.5	2034.6	2013.6	1992.5	1977.7
20°	2049.9	2058.8	2067.7	2040.8	2013.9	1963.3	1912.6	1875.8	1838.9	1816.2
22.5°	2074.5	2062.8	2051.2	1995.4	1939.7	1865.2	1790.8	1744.7	1698.6	1673.5
25°	2106.2	2069.4	2032.6	1948.0	1863.4	1772.9	1682.5	1634.0	1585.6	1562.0
27.5°	2149.3	2083.4	2017.6	1905.5	1793.5	1693.2	1593.0	1545.3	1497.7	1475.3
30°	2207.3	2109.2	2011.1	1873.1	1735.2	1630.7	1526.3	1482.1	1437.8	1417.0
32.5°	2275.8	2141.4	2007.1	1851.0	1694.9	1596.8	1498.6	1463.9	1429.2	1414.1
35°	2359.1	2194.6	2030.2	1867.6	1705.0	1636.8	1568.6	1560.5	1552.4	1551.2
37.5°	2499.3	2305.8	2112.3	1964.5	1816.7	1812.3	1807.9	1844.9	1881.9	1901.2
40°	2711.1	2500.7	2290.3	2180.3	2070.4	2148.0	2225.6	2315.6	2405.7	2450.5
42.5°	2992.0	2783.2	2574.5	2511.1	2447.8	2617.1	2786.3	2950.1	3113.8	3210.0
45°	3338.9	3151.3	2963.8	2935.8	2907.9	3179.0	3450.1	3719.3	3988.4	4151.8
47.5°	3772.7	3590.3	3407.8	3402.1	3396.4	3787.6	4178.6	4572.6	4966.5	5197.9
50°	4341.3	4115.9	3890.6	3891.6	3892.6	4396.6	4900.6	5420.7	5940.8	6255.2
52.5°	4994.0	4721.1	4448.3	4420.7	4393.1	4995.2	5597.2	6240.7	6884.1	7261.0
55°	5688.9	5419.3	5149.7	5042.2	4934.6	5604.7	6274.8	7041.9	7809.0	8257.2
57.5°	6320.9	6174.1	6027.3	5811.5	5595.9	6272.5	6949.1	7818.0	8686.8	9242.7
60°	6702.9	6930.9	7159.0	6891.1	6623.2	7263.5	7903.8	8834.1	9764.4	10365.1
62.5°	6508.9	7132.0	7755.0	7724.8	7694.6	8281.1	8867.7	9752.8	10637.8	11193.1
65°	6120.7	6705.5	7290.2	7405.9	7521.6	8267.0	9012.4	9870.7	10728.8	11201.6
67.5°	5600.5	6156.7	6712.8	6767.1	6821.3	7597.9	8374.6	9236.5	10098.4	10468.8
70°	4975.6	5580.5	6185.4	6209.7	6234.0	6928.5	7623.0	8364.8	9106.5	9312.3
72.5°	4230.8	4925.0	5619.2	5636.7	5654.0	6197.4	6740.9	7296.4	7851.8	7872.7
75°	3288.7	4007.2	4725.6	4790.2	4854.7	5277.4	5700.2	6091.3	6482.3	6377.5
77.5°	2349.7	3020.4	3691.1	3783.4	3875.7	4197.1	4518.5	4795.9	5073.3	4893.2
80°	1537.9	2102.1	2666.3	2781.1	2895.8	3138.5	3381.2	3526.8	3672.4	3382.7
82.5°	894.0	1279.7	1665.5	1793.7	1921.9	2088.9	2256.0	2316.8	2377.5	2149.8
85°	393.3	598.1	802.8	911.8	1020.8	1158.1	1295.3	1329.8	1364.3	1181.9
87.5°	121.8	190.6	259.4	320.2	381.0	449.7	518.3	521.3	524.1	440.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
1475.9	0°	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9
1631.6	2.5°	1629.1	1626.5	1621.4	1616.3	1607.8	1599.2	1593.2	1587.2	1575.0	1562.8
1826.9	5°	1820.0	1813.1	1801.8	1790.5	1769.6	1748.7	1727.7	1706.7	1679.8	1652.9
2013.6	7.5°	2003.7	1993.6	1975.1	1956.6	1925.8	1895.1	1860.9	1826.7	1782.3	1738.0
2134.8	10°	2125.1	2115.4	2093.6	2071.8	2035.7	1999.6	1959.2	1918.8	1862.6	1806.5
2170.2	12.5°	2164.9	2159.6	2143.7	2127.8	2095.3	2062.7	2018.9	1975.1	1913.4	1851.8
2115.7	15°	2121.4	2127.1	2126.5	2125.9	2105.4	2085.0	2047.2	2009.4	1945.1	1880.8
1992.5	17.5°	2013.6	2034.6	2057.5	2080.4	2080.1	2079.7	2054.2	2028.6	1963.4	1898.3
1838.9	20°	1875.8	1912.6	1963.3	2013.9	2040.8	2067.7	2058.8	2049.9	1982.1	1914.3
1698.6	22.5°	1744.7	1790.8	1865.2	1939.7	1995.4	2051.2	2062.8	2074.5	2005.3	1936.0
1585.6	25°	1634.0	1682.5	1772.9	1863.4	1948.0	2032.6	2069.4	2106.2	2038.4	1970.6
1497.7	27.5°	1545.3	1593.0	1693.2	1793.5	1905.5	2017.6	2083.4	2149.3	2084.6	2019.8
1437.8	30°	1482.1	1526.3	1630.7	1735.2	1873.1	2011.1	2109.2	2207.3	2144.8	2082.3
1429.2	32.5°	1463.9	1498.6	1596.8	1694.9	1851.0	2007.1	2141.4	2275.8	2213.9	2152.1
1552.4	35°	1560.5	1568.6	1636.8	1705.0	1867.6	2030.2	2194.6	2359.1	2299.8	2240.6
1881.9	37.5°	1844.9	1807.9	1812.3	1816.7	1964.5	2112.3	2305.8	2499.3	2423.7	2348.2
2405.7	40°	2315.6	2225.6	2148.0	2070.4	2180.3	2290.3	2500.7	2711.1	2601.0	2490.9
3113.8	42.5°	2950.1	2786.3	2617.1	2447.8	2511.1	2574.5	2783.2	2992.0	2833.1	2674.1
3988.4	45°	3719.3	3450.1	3179.0	2907.9	2935.8	2963.8	3151.3	3338.9	3124.5	2910.1
4966.5	47.5°	4572.6	4178.6	3787.6	3396.4	3402.1	3407.8	3590.3	3772.7	3471.0	3169.2
5940.8	50°	5420.7	4900.6	4396.6	3892.6	3891.6	3890.6	4115.9	4341.3	3886.4	3431.6
6884.1	52.5°	6240.7	5597.2	4995.2	4393.1	4420.7	4448.3	4721.1	4994.0	4322.9	3651.8
7809.0	55°	7041.9	6274.8	5604.7	4934.6	5042.2	5149.7	5419.3	5688.9	4709.8	3730.8
8686.8	57.5°	7818.0	6949.1	6272.5	5595.9	5811.5	6027.3	6174.1	6320.9	4984.0	3647.1
9764.4	60°	8834.1	7903.8	7263.5	6623.2	6891.1	7159.0	6930.9	6702.9	5052.5	3402.1
10637.8	62.5°	9752.8	8867.7	8281.1	7694.6	7724.8	7755.0	7132.0	6508.9	4764.0	3019.0
10728.8	65°	9870.7	9012.4	8267.0	7521.6	7405.9	7290.2	6705.5	6120.7	4355.7	2590.7
10098.4	67.5°	9236.5	8374.6	7597.9	6821.3	6767.1	6712.8	6156.7	5600.5	3869.9	2139.2
9106.5	70°	8364.8	7623.0	6928.5	6234.0	6209.7	6185.4	5580.5	4975.6	3339.7	1703.8
7851.8	72.5°	7296.4	6740.9	6197.4	5654.0	5636.7	5619.2	4925.0	4230.8	2765.0	1299.2
6482.3	75°	6091.3	5700.2	5277.4	4854.7	4790.2	4725.6	4007.2	3288.7	2106.2	923.6
5073.3	77.5°	4795.9	4518.5	4197.1	3875.7	3783.4	3691.1	3020.4	2349.7	1474.1	598.5
3672.4	80°	3526.8	3381.2	3138.5	2895.8	2781.1	2666.3	2102.1	1537.9	949.8	361.6
2377.5	82.5°	2316.8	2256.0	2088.9	1921.9	1793.7	1665.5	1279.7	894.0	549.7	205.5
1364.3	85°	1329.8	1295.3	1158.1	1020.8	911.8	802.8	598.1	393.3	247.3	101.3
524.1	87.5°	521.3	518.3	449.7	381.0	320.2	259.4	190.6	121.8	81.0	40.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1475.9	0°	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9
1549.8	2.5°	1536.9	1523.9	1510.9	1498.4	1486.0	1473.9	1460.5	1449.6	1438.8	1429.0
1626.0	5°	1599.2	1572.2	1545.3	1520.1	1494.9	1471.1	1447.6	1427.1	1406.5	1389.3
1697.0	7.5°	1656.0	1616.0	1576.1	1541.0	1505.8	1473.3	1442.9	1415.6	1388.4	1365.7
1752.3	10°	1698.2	1649.7	1601.2	1559.6	1517.9	1477.9	1445.2	1416.4	1387.6	1365.0
1790.4	12.5°	1729.0	1671.8	1614.6	1567.6	1520.5	1478.4	1448.0	1424.5	1401.0	1385.9
1814.2	15°	1747.6	1681.7	1615.9	1561.4	1506.9	1460.3	1436.0	1424.7	1413.5	1415.5
1825.6	17.5°	1752.9	1676.5	1600.0	1534.5	1469.0	1414.1	1399.1	1403.3	1407.4	1432.0
1834.5	20°	1754.6	1662.0	1569.3	1488.1	1406.9	1343.1	1339.1	1358.4	1377.6	1420.5
1846.5	22.5°	1756.9	1644.2	1531.5	1433.7	1335.9	1263.2	1271.0	1299.5	1328.0	1376.9
1868.2	25°	1765.8	1626.6	1487.5	1372.9	1258.4	1183.9	1204.9	1237.7	1270.6	1314.6
1902.2	27.5°	1784.5	1614.9	1445.3	1317.4	1189.4	1121.6	1147.1	1178.8	1210.6	1246.7
1946.2	30°	1810.1	1609.4	1408.6	1270.9	1133.2	1076.3	1096.3	1121.5	1146.7	1176.7
1992.2	32.5°	1832.2	1602.6	1372.9	1230.9	1088.8	1042.9	1051.8	1066.7	1081.6	1105.6
2044.5	35°	1848.4	1589.8	1331.4	1191.5	1051.7	1013.5	1009.8	1013.9	1018.0	1036.3
2103.1	37.5°	1858.0	1567.9	1277.8	1145.2	1012.6	979.2	965.7	961.2	956.7	969.8
2177.5	40°	1864.1	1537.7	1211.4	1089.9	968.4	938.1	917.5	907.2	897.0	906.4
2274.9	42.5°	1875.6	1506.6	1137.7	1028.9	920.2	892.3	866.2	852.6	839.0	846.7
2403.0	45°	1895.8	1477.6	1059.5	964.1	868.8	840.4	815.2	802.0	788.8	795.3
2539.5	47.5°	1909.7	1453.7	997.8	912.9	828.0	791.5	769.8	758.7	747.6	753.7
2666.1	50°	1900.6	1427.7	954.7	878.8	803.0	754.9	729.7	719.9	710.1	719.6
2748.3	52.5°	1844.8	1383.7	922.6	856.4	790.3	735.1	699.9	690.1	680.5	694.8
2730.2	55°	1729.6	1310.7	891.9	840.2	788.5	737.1	684.0	668.6	653.3	673.6
2602.7	57.5°	1558.3	1207.9	857.4	820.9	784.4	739.1	674.5	652.1	629.7	651.5
2365.3	60°	1328.5	1074.3	820.2	791.5	762.7	732.8	665.6	636.5	607.4	626.6
2044.4	62.5°	1069.7	914.5	759.3	740.3	721.2	717.6	655.1	618.8	582.5	594.7
1716.9	65°	843.2	770.7	698.3	689.3	680.3	680.7	633.2	594.5	555.9	560.6
1396.1	67.5°	653.1	632.5	611.9	617.0	622.0	620.7	594.0	561.8	529.6	528.2
1099.3	70°	494.7	500.6	506.4	529.8	553.0	553.0	544.3	521.4	498.5	493.4
840.4	72.5°	381.6	399.3	417.1	450.2	483.2	488.8	488.9	473.2	457.5	450.0
609.9	75°	296.3	312.4	328.5	365.5	402.6	428.2	426.0	413.9	401.8	394.7
413.3	77.5°	228.1	239.1	250.0	286.0	322.0	364.2	363.0	353.3	343.7	336.4
266.3	80°	171.0	175.6	180.1	210.6	241.0	291.4	291.2	283.1	275.0	268.9
163.8	82.5°	122.2	123.0	123.9	146.3	168.8	211.8	214.2	210.2	206.3	202.0
87.6	85°	73.9	73.5	73.1	89.5	105.9	137.9	141.0	136.8	132.5	127.7
36.3	87.5°	32.4	32.0	31.6	38.3	45.0	58.3	62.3	60.6	58.9	58.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1475.9	0°	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9
1419.2	2.5°	1410.7	1402.1	1393.5	1385.0	1378.4	1371.7	1366.3	1360.9	1356.7	1352.5
1372.1	5°	1356.9	1341.8	1328.0	1314.2	1303.6	1293.0	1285.5	1278.1	1272.8	1267.6
1343.1	7.5°	1324.0	1304.8	1288.0	1271.1	1258.5	1245.9	1237.1	1228.3	1222.2	1216.2
1342.3	10°	1321.8	1301.2	1282.2	1263.2	1248.2	1233.0	1223.2	1213.2	1207.5	1201.8
1371.0	12.5°	1354.8	1338.7	1319.1	1299.5	1280.2	1261.0	1248.2	1235.5	1229.1	1222.7
1417.5	15°	1413.4	1409.2	1392.1	1375.1	1347.7	1320.2	1300.9	1281.5	1272.6	1263.8
1456.7	17.5°	1469.9	1483.0	1469.2	1455.5	1419.2	1382.9	1354.3	1325.8	1312.7	1299.5
1463.4	20°	1490.9	1518.4	1512.0	1505.6	1464.1	1422.6	1387.6	1352.7	1335.9	1319.0
1425.9	22.5°	1461.7	1497.4	1501.3	1505.0	1465.4	1425.8	1389.7	1353.7	1335.9	1318.2
1358.6	25°	1393.8	1429.0	1442.1	1455.2	1422.7	1390.2	1358.2	1326.3	1310.8	1295.5
1282.9	27.5°	1311.1	1339.3	1353.9	1368.6	1345.4	1322.3	1297.4	1272.6	1262.3	1251.9
1206.8	30°	1230.1	1253.6	1265.5	1277.4	1259.8	1242.1	1224.3	1206.4	1201.1	1195.8
1129.6	32.5°	1152.0	1174.5	1187.7	1200.9	1184.7	1168.5	1154.3	1140.0	1136.6	1133.1
1054.5	35°	1076.7	1099.0	1114.8	1130.7	1119.1	1107.6	1094.5	1081.4	1076.2	1070.9
982.9	37.5°	1005.0	1027.2	1046.8	1066.4	1061.1	1055.8	1043.7	1031.6	1022.0	1012.5
915.9	40°	937.3	958.7	981.2	1003.8	1005.1	1006.4	996.1	985.9	972.0	958.1
854.5	42.5°	874.8	895.1	919.5	943.8	950.3	956.8	948.2	939.6	922.3	905.0
801.8	45°	821.1	840.3	865.6	890.9	900.2	909.5	901.7	894.0	874.2	854.5
759.7	47.5°	778.6	797.4	822.3	847.2	858.0	868.8	863.3	857.9	840.3	822.8
729.2	50°	746.9	764.7	787.0	809.3	823.1	836.9	836.6	836.4	822.3	808.3
709.1	52.5°	725.4	741.6	762.4	783.2	799.6	816.0	818.9	821.9	810.4	799.0
693.9	55°	711.4	729.0	747.2	765.4	782.7	800.1	804.2	808.3	798.3	788.3
673.4	57.5°	694.0	714.6	732.6	750.7	768.2	785.6	789.8	793.9	783.8	773.7
645.7	60°	669.4	693.1	711.4	729.7	747.3	764.8	769.4	773.9	764.0	754.3
606.8	62.5°	634.4	662.1	681.6	701.1	717.2	733.3	737.7	742.0	733.1	724.2
565.2	65°	594.8	624.4	643.1	661.8	675.9	690.1	694.6	699.0	690.4	681.9
526.7	67.5°	554.0	581.3	599.1	616.7	629.0	641.2	645.6	649.9	642.0	634.2
488.3	70°	512.3	536.3	551.6	566.9	577.9	589.0	593.2	597.4	591.0	584.6
442.6	72.5°	461.5	480.4	494.2	508.0	518.8	529.6	534.6	539.6	534.3	529.0
387.5	75°	401.5	415.6	428.1	440.6	450.5	460.3	465.5	470.7	468.1	465.5
329.2	77.5°	340.6	352.0	362.7	373.5	383.9	394.2	399.0	403.9	400.3	396.6
262.8	80°	272.3	281.8	290.8	299.9	307.7	315.6	322.0	328.5	326.9	325.4
197.7	82.5°	196.9	196.1	192.9	189.7	206.5	223.3	234.2	245.2	244.5	243.8
122.9	85°	118.8	114.7	105.9	97.1	112.8	128.6	142.2	155.7	154.6	153.5
57.1	87.5°	56.9	56.7	50.1	43.3	49.9	56.5	62.0	67.5	66.1	64.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1475.9	0°	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9
1348.7	2.5°	1344.8	1340.0	1344.8	1348.7	1352.5	1356.7	1360.9	1366.3	1371.7	1378.4
1263.6	5°	1259.5	1255.6	1259.5	1263.6	1267.6	1272.8	1278.1	1285.5	1293.0	1303.6
1212.6	7.5°	1209.0	1206.3	1209.0	1212.6	1216.2	1222.2	1228.3	1237.1	1245.9	1258.5
1198.7	10°	1195.7	1194.4	1195.7	1198.7	1201.8	1207.5	1213.2	1223.2	1233.0	1248.2
1220.1	12.5°	1217.5	1217.1	1217.5	1220.1	1222.7	1229.1	1235.5	1248.2	1261.0	1280.2
1260.4	15°	1257.0	1256.7	1257.0	1260.4	1263.8	1272.6	1281.5	1300.9	1320.2	1347.7
1295.2	17.5°	1290.8	1290.1	1290.8	1295.2	1299.5	1312.7	1325.8	1354.3	1382.9	1419.2
1313.6	20°	1308.2	1306.5	1308.2	1313.6	1319.0	1335.9	1352.7	1387.6	1422.6	1464.1
1312.2	22.5°	1306.3	1303.7	1306.3	1312.2	1318.2	1335.9	1353.7	1389.7	1425.8	1465.4
1289.9	25°	1284.3	1281.1	1284.3	1289.9	1295.5	1310.8	1326.3	1358.2	1390.2	1422.7
1249.3	27.5°	1246.8	1245.9	1246.8	1249.3	1251.9	1262.3	1272.6	1297.4	1322.3	1345.4
1195.8	30°	1195.8	1196.7	1195.8	1195.8	1195.8	1201.1	1206.4	1224.3	1242.1	1259.8
1133.6	32.5°	1134.1	1134.9	1134.1	1133.6	1133.1	1136.6	1140.0	1154.3	1168.5	1184.7
1069.8	35°	1068.7	1068.1	1068.7	1069.8	1070.9	1076.2	1081.4	1094.5	1107.6	1119.1
1007.5	37.5°	1002.4	999.6	1002.4	1007.5	1012.5	1022.0	1031.6	1043.7	1055.8	1061.1
948.7	40°	939.4	933.9	939.4	948.7	958.1	972.0	985.9	996.1	1006.4	1005.1
891.4	42.5°	877.7	868.8	877.7	891.4	905.0	922.3	939.6	948.2	956.8	950.3
838.5	45°	822.4	812.1	822.4	838.5	854.5	874.2	894.0	901.7	909.5	900.2
807.9	47.5°	793.2	783.2	793.2	807.9	822.8	840.3	857.9	863.3	868.8	858.0
794.6	50°	780.9	771.4	780.9	794.6	808.3	822.3	836.4	836.6	836.9	823.1
786.7	52.5°	774.5	765.7	774.5	786.7	799.0	810.4	821.9	818.9	816.0	799.6
777.6	55°	766.8	758.9	766.8	777.6	788.3	798.3	808.3	804.2	800.1	782.7
763.1	57.5°	752.4	744.2	752.4	763.1	773.7	783.8	793.9	789.8	785.6	768.2
743.3	60°	732.3	723.8	732.3	743.3	754.3	764.0	773.9	769.4	764.8	747.3
712.7	62.5°	701.1	690.9	701.1	712.7	724.2	733.1	742.0	737.7	733.3	717.2
670.7	65°	659.5	650.7	659.5	670.7	681.9	690.4	699.0	694.6	690.1	675.9
623.8	67.5°	613.3	605.4	613.3	623.8	634.2	642.0	649.9	645.6	641.2	629.0
574.6	70°	564.6	555.6	564.6	574.6	584.6	591.0	597.4	593.2	589.0	577.9
519.4	72.5°	510.0	501.2	510.0	519.4	529.0	534.3	539.6	534.6	529.6	518.8
457.5	75°	449.6	441.2	449.6	457.5	465.5	468.1	470.7	465.5	460.3	450.5
388.5	77.5°	380.5	373.8	380.5	388.5	396.6	400.3	403.9	399.0	394.2	383.9
314.5	80°	303.7	291.1	303.7	314.5	325.4	326.9	328.5	322.0	315.6	307.7
234.7	82.5°	225.5	217.5	225.5	234.7	243.8	244.5	245.2	234.2	223.3	206.5
146.3	85°	139.2	132.0	139.2	146.3	153.5	154.6	155.7	142.2	128.6	112.8
61.1	87.5°	57.3	53.8	57.3	61.1	64.7	66.1	67.5	62.0	56.5	49.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1475.9	0°	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9
1385.0	2.5°	1393.5	1402.1	1410.7	1419.2	1429.0	1438.8	1449.6	1460.5	1473.9	1486.0
1314.2	5°	1328.0	1341.8	1356.9	1372.1	1389.3	1406.5	1427.1	1447.6	1471.1	1494.9
1271.1	7.5°	1288.0	1304.8	1324.0	1343.1	1365.7	1388.4	1415.6	1442.9	1473.3	1505.8
1263.2	10°	1282.2	1301.2	1321.8	1342.3	1365.0	1387.6	1416.4	1445.2	1477.9	1517.9
1299.5	12.5°	1319.1	1338.7	1354.8	1371.0	1385.9	1401.0	1424.5	1448.0	1478.4	1520.5
1375.1	15°	1392.1	1409.2	1413.4	1417.5	1415.5	1413.5	1424.7	1436.0	1460.3	1506.9
1455.5	17.5°	1469.2	1483.0	1469.9	1456.7	1432.0	1407.4	1403.3	1399.1	1414.1	1469.0
1505.6	20°	1512.0	1518.4	1490.9	1463.4	1420.5	1377.6	1358.4	1339.1	1343.1	1406.9
1505.0	22.5°	1501.3	1497.4	1461.7	1425.9	1376.9	1328.0	1299.5	1271.0	1263.2	1335.9
1455.2	25°	1442.1	1429.0	1393.8	1358.6	1314.6	1270.6	1237.7	1204.9	1183.9	1258.4
1368.6	27.5°	1353.9	1339.3	1311.1	1282.9	1246.7	1210.6	1178.8	1147.1	1121.6	1189.4
1277.4	30°	1265.5	1253.6	1230.1	1206.8	1176.7	1146.7	1121.5	1096.3	1076.3	1133.2
1200.9	32.5°	1187.7	1174.5	1152.0	1129.6	1105.6	1081.6	1066.7	1051.8	1042.9	1088.8
1130.7	35°	1114.8	1099.0	1076.7	1054.5	1036.3	1018.0	1013.9	1009.8	1013.5	1051.7
1066.4	37.5°	1046.8	1027.2	1005.0	982.9	969.8	956.7	961.2	965.7	979.2	1012.6
1003.8	40°	981.2	958.7	937.3	915.9	906.4	897.0	907.2	917.5	938.1	968.4
943.8	42.5°	919.5	895.1	874.8	854.5	846.7	839.0	852.6	866.2	892.3	920.2
890.9	45°	865.6	840.3	821.1	801.8	795.3	788.8	802.0	815.2	840.4	868.8
847.2	47.5°	822.3	797.4	778.6	759.7	753.7	747.6	758.7	769.8	791.5	828.0
809.3	50°	787.0	764.7	746.9	729.2	719.6	710.1	719.9	729.7	754.9	803.0
783.2	52.5°	762.4	741.6	725.4	709.1	694.8	680.5	690.1	699.9	735.1	790.3
765.4	55°	747.2	729.0	711.4	693.9	673.6	653.3	668.6	684.0	737.1	788.5
750.7	57.5°	732.6	714.6	694.0	673.4	651.5	629.7	652.1	674.5	739.1	784.4
729.7	60°	711.4	693.1	669.4	645.7	626.6	607.4	636.5	665.6	732.8	762.7
701.1	62.5°	681.6	662.1	634.4	606.8	594.7	582.5	618.8	655.1	717.6	721.2
661.8	65°	643.1	624.4	594.8	565.2	560.6	555.9	594.5	633.2	680.7	680.3
616.7	67.5°	599.1	581.3	554.0	526.7	528.2	529.6	561.8	594.0	620.7	622.0
566.9	70°	551.6	536.3	512.3	488.3	493.4	498.5	521.4	544.3	553.0	553.0
508.0	72.5°	494.2	480.4	461.5	442.6	450.0	457.5	473.2	488.9	488.8	483.2
440.6	75°	428.1	415.6	401.5	387.5	394.7	401.8	413.9	426.0	428.2	402.6
373.5	77.5°	362.7	352.0	340.6	329.2	336.4	343.7	353.3	363.0	364.2	322.0
299.9	80°	290.8	281.8	272.3	262.8	268.9	275.0	283.1	291.2	291.4	241.0
189.7	82.5°	192.9	196.1	196.9	197.7	202.0	206.3	210.2	214.2	211.8	168.8
97.1	85°	105.9	114.7	118.8	122.9	127.7	132.5	136.8	141.0	137.9	105.9
43.3	87.5°	50.1	56.7	56.9	57.1	58.0	58.9	60.6	62.3	58.3	45.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
1475.9	0°	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9	1475.9
1498.4	2.5°	1510.9	1523.9	1536.9	1549.8	1562.8	1575.0	1587.2
1520.1	5°	1545.3	1572.2	1599.2	1626.0	1652.9	1679.8	1706.7
1541.0	7.5°	1576.1	1616.0	1656.0	1697.0	1738.0	1782.3	1826.7
1559.6	10°	1601.2	1649.7	1698.2	1752.3	1806.5	1862.6	1918.8
1567.6	12.5°	1614.6	1671.8	1729.0	1790.4	1851.8	1913.4	1975.1
1561.4	15°	1615.9	1681.7	1747.6	1814.2	1880.8	1945.1	2009.4
1534.5	17.5°	1600.0	1676.5	1752.9	1825.6	1898.3	1963.4	2028.6
1488.1	20°	1569.3	1662.0	1754.6	1834.5	1914.3	1982.1	2049.9
1433.7	22.5°	1531.5	1644.2	1756.9	1846.5	1936.0	2005.3	2074.5
1372.9	25°	1487.5	1626.6	1765.8	1868.2	1970.6	2038.4	2106.2
1317.4	27.5°	1445.3	1614.9	1784.5	1902.2	2019.8	2084.6	2149.3
1270.9	30°	1408.6	1609.4	1810.1	1946.2	2082.3	2144.8	2207.3
1230.9	32.5°	1372.9	1602.6	1832.2	1992.2	2152.1	2213.9	2275.8
1191.5	35°	1331.4	1589.8	1848.4	2044.5	2240.6	2299.8	2359.1
1145.2	37.5°	1277.8	1567.9	1858.0	2103.1	2348.2	2423.7	2499.3
1089.9	40°	1211.4	1537.7	1864.1	2177.5	2490.9	2601.0	2711.1
1028.9	42.5°	1137.7	1506.6	1875.6	2274.9	2674.1	2833.1	2992.0
964.1	45°	1059.5	1477.6	1895.8	2403.0	2910.1	3124.5	3338.9
912.9	47.5°	997.8	1453.7	1909.7	2539.5	3169.2	3471.0	3772.7
878.8	50°	954.7	1427.7	1900.6	2666.1	3431.6	3886.4	4341.3
856.4	52.5°	922.6	1383.7	1844.8	2748.3	3651.8	4322.9	4994.0
840.2	55°	891.9	1310.7	1729.6	2730.2	3730.8	4709.8	5688.9
820.9	57.5°	857.4	1207.9	1558.3	2602.7	3647.1	4984.0	6320.9
791.5	60°	820.2	1074.3	1328.5	2365.3	3402.1	5052.5	6702.9
740.3	62.5°	759.3	914.5	1069.7	2044.4	3019.0	4764.0	6508.9
689.3	65°	698.3	770.7	843.2	1716.9	2590.7	4355.7	6120.7
617.0	67.5°	611.9	632.5	653.1	1396.1	2139.2	3869.9	5600.5
529.8	70°	506.4	500.6	494.7	1099.3	1703.8	3339.7	4975.6
450.2	72.5°	417.1	399.3	381.6	840.4	1299.2	2765.0	4230.8
365.5	75°	328.5	312.4	296.3	609.9	923.6	2106.2	3288.7
286.0	77.5°	250.0	239.1	228.1	413.3	598.5	1474.1	2349.7
210.6	80°	180.1	175.6	171.0	266.3	361.6	949.8	1537.9
146.3	82.5°	123.9	123.0	122.2	163.8	205.5	549.7	894.0
89.5	85°	73.1	73.5	73.9	87.6	101.3	247.3	393.3
38.3	87.5°	31.6	32.0	32.4	36.3	40.2	81.0	121.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)