

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: P228444

Luminaire Tested: **ISS-AF-800-LED-E1-SLL-7030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISS-AF-800-LED-E1-SLL-7030-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT, WITH
UPLIGHT GLOW
Light Source: (16) 3000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5038.2 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U5 - G1

Input Watts (W): 60.2
Input Voltage (V): 120
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: 25 FT

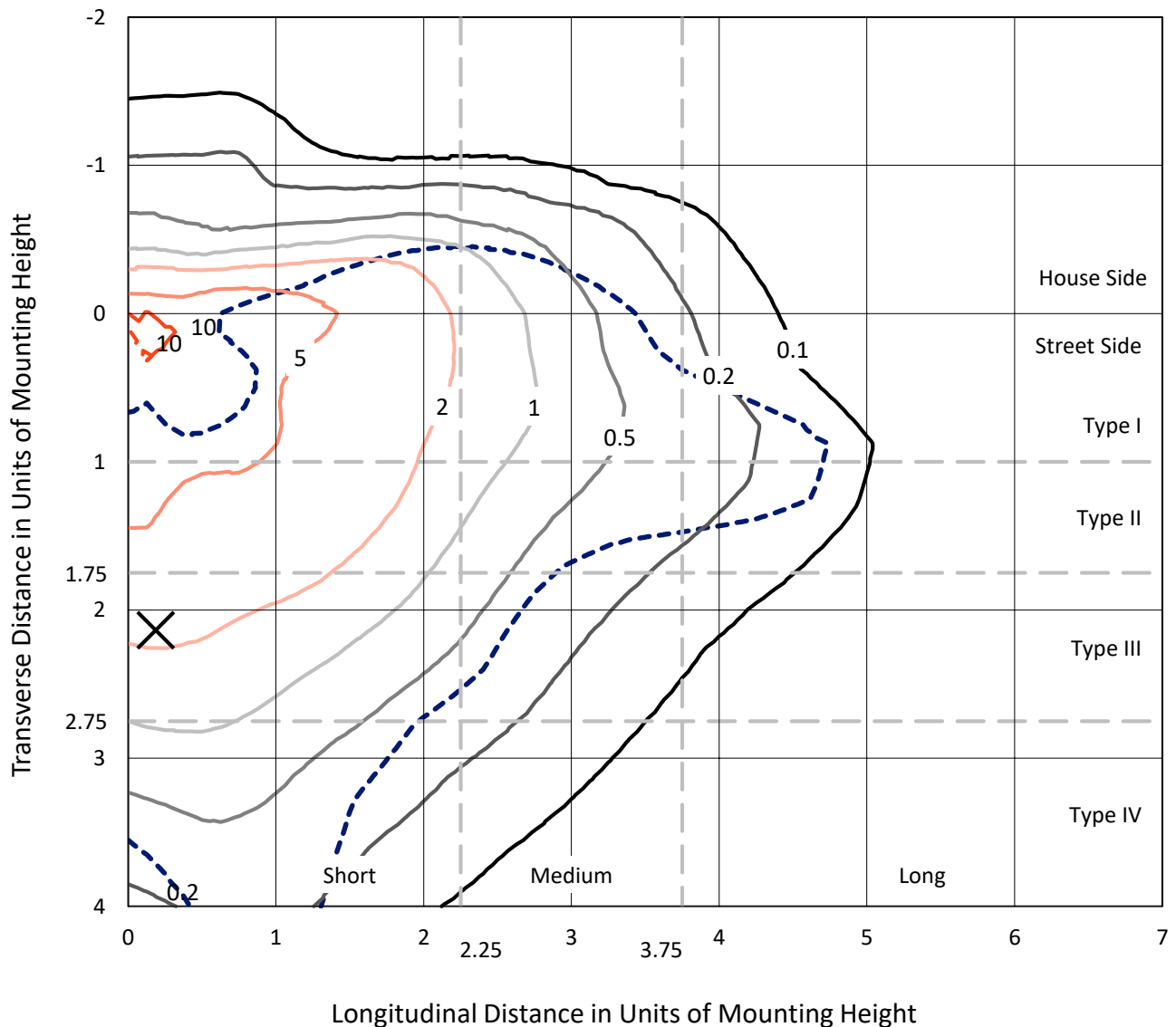


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

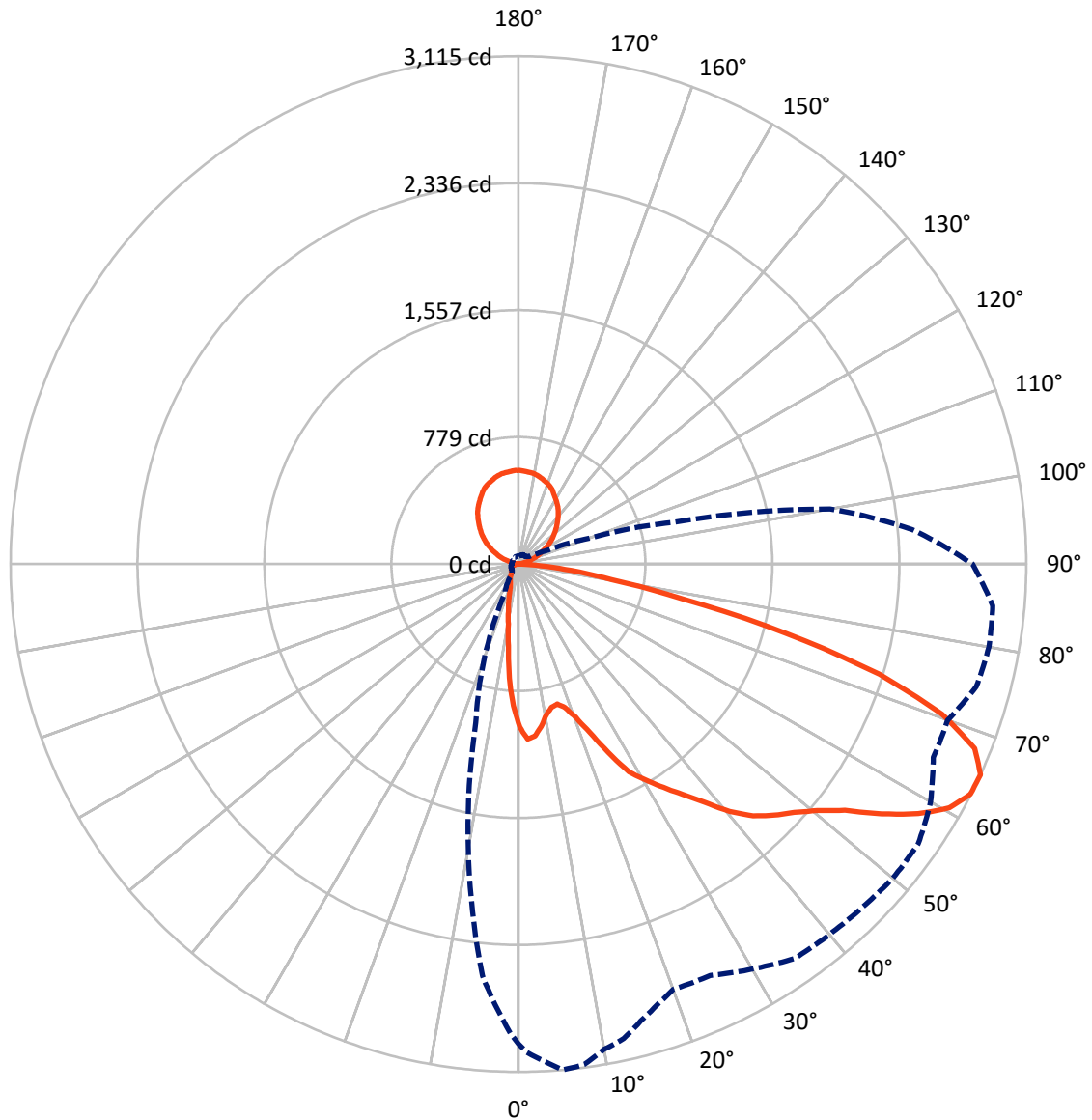


Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral

- - - Horizontal Cone Through 65-Deg Vertical

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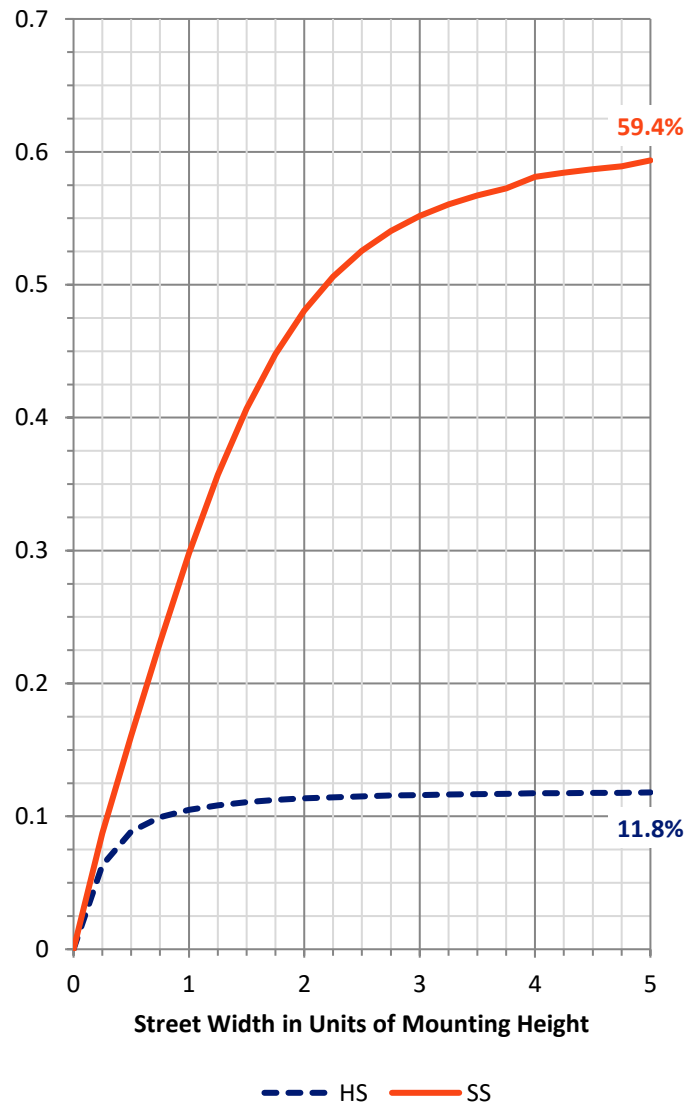
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	600.6	713.1	1313.7
	% Fixture	11.9	14.2	26.1
Street Side	Lumens	3011.4	713.1	3724.5
	% Fixture	59.8	14.2	73.9
Total	Lumens	3612.0	1426.2	5038.2
	% Fixture	71.7	28.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.7	1.5
10°-20°	158.2	3.1
20°-30°	229.9	4.6
30°-40°	340.0	6.7
40°-50°	495.4	9.8
50°-60°	742.7	14.7
60°-70°	925.5	18.4
70°-80°	542.1	10.8
80°-90°	101.4	2.0
90°-100°	4.7	0.1
100°-110°	69.0	1.4
110°-120°	153.0	3.0
120°-130°	223.9	4.4
130°-140°	265.6	5.3
140°-150°	269.3	5.3
150°-160°	231.1	4.6
160°-170°	155.1	3.1
170°-180°	54.3	1.1
0°-90°	3612.0	71.7
0°-180°	5038.2	100.0



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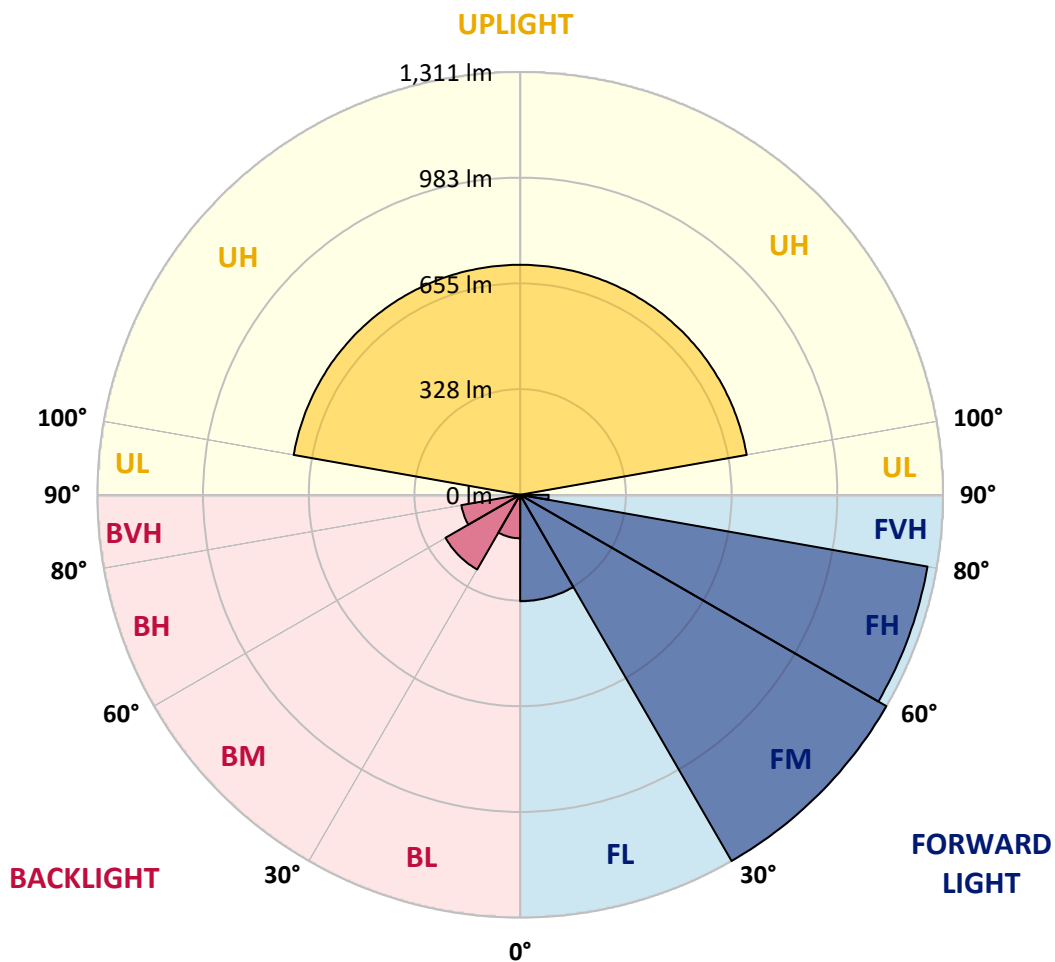
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	330.0	6.5			
FM	(30°-60°)	1310.9	26.0			
FH	(60°-80°)	1282.3	25.5			G1/1800
FVH	(80°-90°)	88.3	1.8			G1/100
BL	(0°-30°)	134.9	2.7	B1/500		
BM	(30°-60°)	267.3	5.3	B1/1000		
BH	(60°-80°)	185.4	3.7	B1/500		G1/500
BVH	(80°-90°)	13.1	0.3			G1/100
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	713.1	14.2		U4/1000	

BUG Rating: B1-U5-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
0°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	1061.1	1058.2	1075.4	1078.2	1089.7	1089.7	1102.5	1114.0	1118.3	1128.3	1154.0
5°	1026.8	1035.3	1059.6	1084.0	1101.1	1118.3	1136.9	1159.7	1178.3	1209.8	1275.6
7.5°	951.0	963.8	1005.3	1029.6	1056.8	1086.8	1109.7	1136.9	1165.5	1218.4	1335.6
10°	876.6	886.6	939.5	969.6	1008.2	1039.6	1072.5	1102.5	1134.0	1199.8	1335.6
12.5°	829.4	842.3	902.3	930.9	975.3	1008.2	1048.2	1084.0	1121.1	1191.2	1322.8
15°	819.4	833.7	890.9	926.7	965.3	996.7	1032.5	1069.7	1106.8	1175.5	1292.7
17.5°	846.6	863.7	925.2	965.3	995.3	1031.0	1056.8	1092.5	1116.8	1171.2	1227.0
20°	910.9	930.9	1003.9	1042.5	1066.8	1089.7	1109.7	1131.1	1141.2	1154.0	1144.0
22.5°	1013.9	1038.2	1121.1	1165.5	1182.6	1199.8	1201.2	1204.1	1196.9	1162.6	1085.4
25°	1161.2	1185.5	1279.9	1322.8	1322.8	1322.8	1307.0	1295.6	1262.7	1198.4	1069.7
27.5°	1298.5	1329.9	1442.9	1470.1	1461.5	1448.6	1418.6	1390.0	1342.8	1235.5	1068.2
30°	1401.4	1432.9	1537.3	1558.7	1537.3	1505.8	1458.6	1417.1	1361.4	1254.1	1078.2
32.5°	1495.8	1533.0	1633.1	1635.9	1597.3	1561.6	1508.7	1461.5	1402.8	1288.4	1108.3
35°	1595.9	1633.1	1734.6	1714.6	1658.8	1610.2	1555.9	1514.4	1455.8	1332.8	1156.9
37.5°	1734.6	1767.5	1853.3	1806.1	1734.6	1671.7	1613.1	1558.7	1500.1	1392.8	1238.4
40°	1869.0	1916.2	1994.9	1919.1	1831.9	1747.5	1683.1	1625.9	1561.6	1474.3	1342.8
42.5°	1994.9	2039.2	2112.1	2014.9	1913.4	1829.0	1761.8	1700.3	1638.8	1567.3	1468.6
45°	2090.7	2136.4	2197.9	2095.0	1979.1	1891.9	1819.0	1764.6	1710.3	1661.7	1627.4
47.5°	2183.6	2229.4	2276.6	2165.0	2050.6	1962.0	1876.2	1826.1	1783.2	1757.5	1799.0
50°	2303.8	2335.2	2375.3	2255.1	2133.6	2032.1	1946.3	1907.6	1867.6	1876.2	2014.9
52.5°	2466.8	2494.0	2508.3	2391.0	2255.1	2139.3	2044.9	1992.0	1959.1	2009.2	2243.7
55°	2697.0	2735.6	2704.2	2588.3	2416.7	2285.2	2169.3	2106.4	2086.4	2153.6	2472.5
57.5°	2895.8	2912.9	2890.1	2775.7	2599.8	2452.5	2329.5	2263.7	2240.8	2329.5	2681.3
60°	2983.0	3004.5	3035.9	2937.3	2772.8	2626.9	2521.1	2456.8	2418.2	2521.1	2848.6
62.5°	2997.3	3033.1	3110.3	3060.2	2930.1	2821.4	2725.6	2637.0	2606.9	2685.6	2958.7
65°	2941.5	2995.9	3114.6	3096.0	3023.1	2981.6	2901.5	2832.9	2775.7	2784.2	2953.0
67.5°	2815.7	2878.6	3017.3	3008.8	3017.3	3017.3	2947.3	2890.1	2815.7	2709.9	2735.6
70°	2512.5	2595.5	2755.6	2797.1	2870.0	2870.0	2808.6	2721.3	2635.5	2418.2	2286.6
72.5°	2013.5	2069.2	2315.2	2516.8	2609.8	2572.6	2512.5	2366.7	2177.9	1939.1	1760.4
75°	1362.8	1395.7	1697.4	2066.4	2235.1	2203.7	2105.0	1923.4	1728.9	1462.9	1237.0
77.5°	759.3	802.2	1028.2	1317.0	1544.4	1540.1	1527.3	1411.4	1257.0	1036.8	919.5
80°	446.2	460.5	579.2	789.4	985.3	938.1	905.2	813.7	735.0	634.9	725.0
82.5°	273.1	258.8	328.9	480.5	582.0	562.0	506.2	471.9	434.7	407.6	481.9
85°	74.4	67.2	134.4	201.6	247.4	267.4	267.4	264.6	237.4	178.8	214.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.5	3.0	4.0
100°	8.0	8.0	8.0	8.5	9.0	9.5	10.0	11.0	12.0	14.0	22.0
102.5°	28.0	28.0	28.0	29.0	30.0	31.0	32.0	33.5	35.0	38.0	45.0
105°	54.0	54.0	54.0	54.5	55.0	55.5	56.0	57.2	58.5	61.0	66.0
107.5°	78.0	77.8	77.0	77.8	78.5	79.2	80.0	81.0	82.0	84.0	88.0
110°	101.0	101.2	102.0	102.2	102.5	102.8	103.0	103.8	104.5	106.0	110.0



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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
112.5°	124.0	124.0	124.0	124.5	125.0	125.5	126.0	126.8	127.5	129.0	132.0
115°	146.0	146.2	147.0	147.5	148.0	148.5	149.0	149.5	150.0	151.0	154.0
117.5°	169.0	169.2	170.0	170.5	171.0	171.5	172.0	172.5	173.0	174.0	177.0
120°	193.0	193.4	195.0	195.2	195.5	195.8	196.0	196.5	197.0	198.0	201.0
122.5°	219.0	219.2	220.0	220.2	220.5	220.8	221.0	221.5	222.0	223.0	226.0
125°	244.0	244.4	246.0	246.2	246.5	246.8	247.0	247.2	247.5	248.0	251.0
127.5°	267.0	267.4	269.0	269.2	269.5	269.8	270.0	270.5	271.0	272.0	274.0
130°	290.0	290.4	292.0	292.2	292.5	292.8	293.0	293.2	293.5	294.0	298.0
132.5°	313.0	313.2	314.0	314.8	315.5	316.2	317.0	317.2	317.5	318.0	321.0
135°	336.0	336.2	337.0	337.5	338.0	338.5	339.0	339.5	340.0	341.0	345.0
137.5°	359.0	359.2	360.0	360.8	361.5	362.2	363.0	363.2	363.5	364.0	367.0
140°	382.0	382.2	383.0	383.5	384.0	384.5	385.0	385.2	385.5	386.0	388.0
142.5°	404.0	404.4	406.0	406.5	407.0	407.5	408.0	407.8	407.5	407.0	410.0
145°	425.0	425.2	426.0	426.5	427.0	427.5	428.0	428.0	428.0	428.0	431.0
147.5°	444.0	444.0	444.0	444.8	445.5	446.2	447.0	447.2	447.5	448.0	452.0
150°	461.0	461.2	462.0	462.5	463.0	463.5	464.0	464.2	464.5	465.0	469.0
152.5°	479.0	479.2	480.0	480.8	481.5	482.2	483.0	482.8	482.5	482.0	485.0
155°	499.0	499.2	500.0	500.5	501.0	501.5	502.0	501.8	501.5	501.0	503.0
157.5°	513.0	513.4	515.0	515.5	516.0	516.5	517.0	516.8	516.5	516.0	519.0
160°	525.0	525.4	527.0	527.5	528.0	528.5	529.0	529.0	529.0	529.0	532.0
162.5°	535.0	535.2	536.0	536.8	537.5	538.2	539.0	538.8	538.5	538.0	541.0
165°	546.0	546.2	547.0	547.5	548.0	548.5	549.0	548.8	548.5	548.0	552.0
167.5°	555.0	555.2	556.0	556.8	557.5	558.2	559.0	558.8	558.5	558.0	561.0
170°	562.0	562.2	563.0	563.8	564.5	565.2	566.0	565.8	565.5	565.0	567.0
172.5°	565.0	565.2	566.0	566.8	567.5	568.2	569.0	568.5	568.0	567.0	569.0
175°	567.0	567.4	569.0	569.2	569.5	569.8	570.0	569.8	569.5	569.0	572.0
177.5°	572.0	572.2	573.0	573.5	574.0	574.5	575.0	574.8	574.5	574.0	578.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0



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CANDELA DISTRIBUTION (continued):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	1164.0	1165.5	1161.2	1171.2	1159.7	1154.0	1136.9	1136.9	1122.6	1111.1	1098.3
5°	1299.9	1308.5	1301.3	1302.7	1279.9	1257.0	1222.7	1202.6	1166.9	1128.3	1088.2
7.5°	1391.4	1405.7	1400.0	1375.7	1339.9	1291.3	1234.1	1179.8	1121.1	1058.2	999.6
10°	1415.7	1431.4	1418.6	1372.8	1314.2	1245.5	1176.9	1104.0	1032.5	965.3	902.3
12.5°	1381.4	1392.8	1365.7	1315.6	1258.4	1189.8	1118.3	1055.4	971.0	899.5	826.6
15°	1294.2	1287.0	1284.2	1248.4	1208.4	1152.6	1085.4	1021.0	942.4	869.5	792.2
17.5°	1199.8	1191.2	1194.1	1179.8	1174.0	1148.3	1098.3	1043.9	973.8	885.2	802.2
20°	1116.8	1108.3	1112.6	1119.7	1141.2	1142.6	1134.0	1098.3	1046.8	953.8	852.3
22.5°	1045.3	1046.8	1061.1	1081.1	1116.8	1162.6	1198.4	1205.5	1169.8	1061.1	933.8
25°	1023.9	1016.7	1032.5	1065.4	1125.4	1214.1	1294.2	1334.2	1314.2	1205.5	1049.6
27.5°	1016.7	1006.7	1023.9	1066.8	1162.6	1287.0	1401.4	1461.5	1468.6	1357.1	1174.0
30°	1016.7	1012.5	1029.6	1085.4	1186.9	1311.3	1438.6	1528.7	1557.3	1464.3	1282.7
32.5°	1029.6	1032.5	1062.5	1134.0	1238.4	1365.7	1497.2	1594.5	1646.0	1575.9	1370.0
35°	1058.2	1063.9	1106.8	1189.8	1302.7	1431.4	1551.6	1650.2	1733.2	1696.0	1451.5
37.5°	1119.7	1128.3	1181.2	1265.6	1368.5	1484.4	1601.6	1707.4	1827.6	1811.8	1537.3
40°	1228.4	1228.4	1281.3	1354.2	1438.6	1527.3	1643.1	1767.5	1914.8	1936.2	1643.1
42.5°	1365.7	1359.9	1394.3	1447.2	1505.8	1580.2	1684.6	1823.3	1996.3	2043.5	1723.2
45°	1554.4	1525.8	1544.4	1557.3	1585.9	1631.7	1724.6	1876.2	2062.1	2123.6	1783.2
47.5°	1776.1	1736.0	1720.3	1696.0	1686.0	1703.2	1783.2	1917.7	2125.0	2192.2	1880.5
50°	2020.6	1982.0	1940.5	1874.8	1817.6	1800.4	1849.0	1973.4	2192.2	2278.0	1987.7
52.5°	2275.2	2248.0	2193.6	2090.7	1982.0	1920.5	1943.4	2066.4	2299.5	2411.0	2115.0
55°	2508.3	2516.8	2451.1	2330.9	2175.1	2080.7	2107.8	2230.8	2494.0	2625.5	2328.1
57.5°	2758.5	2735.6	2684.1	2559.7	2389.6	2288.0	2299.5	2448.2	2711.3	2811.4	2539.7
60°	2924.4	2924.4	2868.6	2774.2	2612.6	2518.3	2535.4	2672.7	2885.8	2895.8	2634.1
62.5°	3031.6	3047.4	3003.0	2935.8	2778.5	2699.9	2758.5	2855.7	2971.6	2888.6	2586.9
65°	2980.2	2997.3	2993.0	2918.7	2807.1	2801.4	2907.2	2930.1	2920.1	2784.2	2423.9
67.5°	2747.1	2712.7	2711.3	2672.7	2649.8	2768.5	2902.9	2910.1	2741.3	2579.8	2166.5
70°	2303.8	2245.1	2222.2	2233.7	2338.1	2559.7	2751.4	2697.0	2428.2	2289.5	1844.7
72.5°	1776.1	1706.0	1691.7	1736.0	1897.6	2209.4	2471.1	2395.3	1996.3	1834.7	1428.6
75°	1259.8	1229.8	1231.2	1318.5	1492.9	1793.2	2097.8	2090.7	1478.6	1265.6	983.9
77.5°	916.6	922.4	948.1	982.4	1132.6	1422.9	1708.9	1690.3	1052.5	869.5	687.8
80°	756.5	765.1	765.1	746.5	785.1	939.5	1161.2	1239.8	705.0	584.9	480.5
82.5°	543.4	586.3	610.6	580.6	566.3	619.2	727.9	779.4	439.0	368.9	336.1
85°	258.8	296.0	304.6	297.4	341.8	390.4	416.1	426.1	240.2	171.6	220.2
87.5°	0.0	0.0	1.4	11.4	31.5	54.3	54.3	82.9	12.9	4.3	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	9.0	11.0	13.0	10.0	7.0	6.0	5.0	4.5	4.0	4.0	4.0
100°	30.0	31.0	32.0	31.0	30.0	28.5	27.0	26.5	26.0	25.0	26.0
102.5°	50.0	50.5	51.0	50.5	50.0	49.0	48.0	48.5	49.0	48.0	49.0
105°	70.0	70.5	71.0	71.0	71.0	70.0	69.0	70.0	71.0	69.0	71.0
107.5°	91.0	92.0	93.0	92.5	92.0	91.5	91.0	91.5	92.0	91.0	92.0
110°	112.0	113.0	114.0	114.0	114.0	113.5	113.0	113.5	114.0	113.0	114.0



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CANDELA DISTRIBUTION (continued):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
112.5°	134.0	135.0	136.0	136.0	136.0	135.5	135.0	136.0	137.0	135.0	137.0
115°	156.0	157.0	158.0	158.0	158.0	158.0	158.0	159.0	160.0	159.0	160.0
117.5°	179.0	179.5	180.0	180.5	181.0	180.5	180.0	181.0	182.0	180.0	182.0
120°	202.0	203.0	204.0	204.0	204.0	204.0	204.0	205.0	206.0	204.0	206.0
122.5°	227.0	227.5	228.0	228.0	228.0	228.5	229.0	231.0	233.0	232.0	233.0
125°	252.0	252.5	253.0	253.5	254.0	254.0	254.0	255.5	257.0	256.0	257.0
127.5°	276.0	277.0	278.0	277.5	277.0	277.5	278.0	279.5	281.0	278.0	281.0
130°	299.0	300.0	301.0	301.0	301.0	301.5	302.0	303.5	305.0	303.0	305.0
132.5°	322.0	323.5	325.0	325.0	325.0	325.5	326.0	327.5	329.0	327.0	329.0
135°	345.0	346.5	348.0	348.0	348.0	348.5	349.0	350.0	351.0	350.0	351.0
137.5°	367.0	368.0	369.0	369.0	369.0	369.5	370.0	372.0	374.0	372.0	374.0
140°	389.0	389.5	390.0	390.0	390.0	391.0	392.0	394.0	396.0	394.0	396.0
142.5°	410.0	411.0	412.0	412.0	412.0	412.5	413.0	414.5	416.0	415.0	416.0
145°	432.0	433.0	434.0	433.5	433.0	433.5	434.0	435.5	437.0	435.0	437.0
147.5°	453.0	453.5	454.0	453.0	452.0	452.5	453.0	454.5	456.0	453.0	456.0
150°	470.0	470.5	471.0	470.0	469.0	469.0	469.0	471.0	473.0	470.0	473.0
152.5°	486.0	486.5	487.0	486.5	486.0	486.0	486.0	487.5	489.0	486.0	489.0
155°	503.0	503.5	504.0	503.5	503.0	503.5	504.0	505.5	507.0	505.0	507.0
157.5°	519.0	519.0	519.0	518.0	517.0	517.5	518.0	520.5	523.0	520.0	523.0
160°	532.0	532.0	532.0	531.0	530.0	530.0	530.0	531.5	533.0	531.0	533.0
162.5°	541.0	541.5	542.0	541.0	540.0	539.0	538.0	539.0	540.0	537.0	540.0
165°	552.0	552.5	553.0	551.5	550.0	549.0	548.0	549.0	550.0	548.0	550.0
167.5°	560.0	560.0	560.0	559.0	558.0	558.5	559.0	561.0	563.0	561.0	563.0
170°	566.0	565.5	565.0	564.5	564.0	565.0	566.0	568.5	571.0	569.0	571.0
172.5°	568.0	568.5	569.0	568.0	567.0	567.5	568.0	569.5	571.0	568.0	571.0
175°	572.0	572.5	573.0	571.5	570.0	569.0	568.0	569.5	571.0	568.0	571.0
177.5°	577.0	577.0	577.0	575.5	574.0	574.0	574.0	575.5	577.0	574.0	577.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0



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CATALOG NUMBER: ISS-AF-800-LED-E1-SLL-7030-ULG

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6
2.5°	1081.1	1062.5	1048.2	1031.0	1016.7	1002.4	992.4	971.0	953.8	915.2	905.2
5°	1055.4	1015.3	988.1	962.4	929.5	906.6	882.3	852.3	819.4	763.6	746.5
7.5°	953.8	903.8	866.6	829.4	786.5	747.9	712.1	672.1	614.9	554.8	532.0
10°	843.7	790.8	739.3	695.0	643.5	600.6	569.1	540.5	494.8	449.0	419.0
12.5°	753.6	693.6	634.9	590.6	563.4	542.0	519.1	496.2	447.6	396.1	360.4
15°	712.1	642.1	590.6	553.4	529.1	503.4	476.2	450.5	393.3	333.2	290.3
17.5°	717.9	637.8	572.0	522.0	489.1	453.3	421.9	389.0	326.0	254.5	215.9
20°	749.3	642.1	552.0	493.4	446.2	400.4	360.4	318.9	241.7	185.9	158.7
22.5°	789.4	656.4	540.5	464.8	406.1	348.9	297.4	248.8	178.8	145.9	133.0
25°	858.0	689.3	537.7	439.0	367.5	298.9	246.0	194.5	144.4	128.7	121.6
27.5°	943.8	726.4	540.5	420.4	334.6	258.8	200.2	161.6	130.1	121.6	115.8
30°	1029.6	765.1	527.7	391.8	296.0	221.7	171.6	147.3	128.7	118.7	108.7
32.5°	1105.4	793.7	506.2	361.8	261.7	188.8	145.9	125.8	113.0	101.5	98.7
35°	1159.7	806.5	481.9	343.2	238.8	168.7	128.7	113.0	100.1	88.7	82.9
37.5°	1211.2	808.0	456.2	326.0	230.2	160.2	118.7	104.4	93.0	82.9	77.2
40°	1264.1	802.2	441.9	308.9	217.4	155.9	114.4	97.2	90.1	78.7	72.9
42.5°	1302.7	792.2	436.2	298.9	205.9	144.4	111.5	95.8	85.8	77.2	70.1
45°	1338.5	782.2	436.2	290.3	197.3	137.3	105.8	97.2	82.9	75.8	67.2
47.5°	1381.4	786.5	437.6	283.1	190.2	130.1	100.1	94.4	84.4	74.4	65.8
50°	1454.3	835.1	444.7	278.9	184.5	124.4	95.8	90.1	93.0	72.9	64.4
52.5°	1580.2	912.4	456.2	276.0	178.8	120.1	90.1	87.2	94.4	72.9	62.9
55°	1744.6	991.0	467.6	268.8	170.2	111.5	87.2	81.5	87.2	72.9	61.5
57.5°	1904.8	1049.6	477.6	258.8	155.9	103.0	82.9	77.2	80.1	71.5	58.6
60°	1997.7	1095.4	487.6	241.7	138.7	93.0	78.7	72.9	71.5	71.5	57.2
62.5°	2023.5	1078.2	481.9	220.2	124.4	85.8	74.4	68.6	64.4	72.9	57.2
65°	1942.0	988.1	460.5	201.6	114.4	82.9	70.1	65.8	61.5	62.9	54.3
67.5°	1691.7	830.8	401.8	184.5	113.0	81.5	67.2	62.9	57.2	55.8	51.5
70°	1380.0	652.1	333.2	171.6	111.5	81.5	64.4	58.6	54.3	50.1	47.2
72.5°	1061.1	487.6	280.3	165.9	113.0	80.1	60.1	52.9	48.6	45.8	42.9
75°	746.5	344.6	233.1	148.7	105.8	75.8	55.8	47.2	42.9	40.0	37.2
77.5°	540.5	234.5	173.0	120.1	90.1	65.8	48.6	40.0	35.8	34.3	31.5
80°	344.6	144.4	115.8	88.7	65.8	51.5	37.2	31.5	28.6	25.7	24.3
82.5°	198.8	84.4	70.1	60.1	42.9	34.3	27.2	24.3	18.6	17.2	15.7
85°	121.6	52.9	38.6	31.5	27.2	21.5	15.7	14.3	10.0	8.6	7.2
87.5°	27.2	11.4	10.0	7.2	8.6	7.2	4.3	2.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	4.5	5.0	6.0	7.0	10.0	13.0	11.0	9.0	4.0	3.0	2.0
100°	26.5	27.0	28.5	30.0	31.0	32.0	31.0	30.0	22.0	14.0	10.0
102.5°	48.5	48.0	49.0	50.0	50.5	51.0	50.5	50.0	45.0	38.0	32.0
105°	70.0	69.0	70.0	71.0	71.0	71.0	70.5	70.0	66.0	61.0	56.0
107.5°	91.5	91.0	91.5	92.0	92.5	93.0	92.0	91.0	88.0	84.0	80.0
110°	113.5	113.0	113.5	114.0	114.0	114.0	113.0	112.0	110.0	106.0	103.0



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°	
112.5°	136.0	135.0	135.5	136.0	136.0	136.0	135.0	134.0	132.0	129.0	126.0	0°
115°	159.0	158.0	158.0	158.0	158.0	158.0	157.0	156.0	154.0	151.0	149.0	2.5°
117.5°	181.0	180.0	180.5	181.0	180.5	180.0	179.5	179.0	177.0	174.0	172.0	5°
120°	205.0	204.0	204.0	204.0	204.0	204.0	203.0	202.0	201.0	198.0	196.0	7.5°
122.5°	231.0	229.0	228.5	228.0	228.0	228.0	227.5	227.0	226.0	223.0	221.0	10°
125°	255.5	254.0	254.0	254.0	253.5	253.0	252.5	252.0	251.0	248.0	247.0	12.5°
127.5°	279.5	278.0	277.5	277.0	277.5	278.0	277.0	276.0	274.0	272.0	270.0	15°
130°	303.5	302.0	301.5	301.0	301.0	301.0	300.0	299.0	298.0	294.0	293.0	17.5°
132.5°	327.5	326.0	325.5	325.0	325.0	325.0	323.5	322.0	321.0	318.0	317.0	20°
135°	350.0	349.0	348.5	348.0	348.0	348.0	346.5	345.0	345.0	341.0	339.0	22.5°
137.5°	372.0	370.0	369.5	369.0	369.0	369.0	368.0	367.0	367.0	364.0	363.0	25°
140°	394.0	392.0	391.0	390.0	390.0	390.0	389.5	389.0	388.0	386.0	385.0	27.5°
142.5°	414.5	413.0	412.5	412.0	412.0	412.0	411.0	410.0	410.0	407.0	408.0	30°
145°	435.5	434.0	433.5	433.0	433.5	434.0	433.0	432.0	431.0	428.0	428.0	32.5°
147.5°	454.5	453.0	452.5	452.0	453.0	454.0	453.5	453.0	452.0	448.0	447.0	35°
150°	471.0	469.0	469.0	469.0	470.0	471.0	470.5	470.0	469.0	465.0	464.0	37.5°
152.5°	487.5	486.0	486.0	486.0	486.5	487.0	486.5	486.0	485.0	482.0	483.0	40°
155°	505.5	504.0	503.5	503.0	503.5	504.0	503.5	503.0	503.0	501.0	502.0	42.5°
157.5°	520.5	518.0	517.5	517.0	518.0	519.0	519.0	519.0	519.0	516.0	517.0	45°
160°	531.5	530.0	530.0	530.0	531.0	532.0	532.0	532.0	532.0	529.0	529.0	47.5°
162.5°	539.0	538.0	539.0	540.0	541.0	542.0	541.5	541.0	541.0	538.0	539.0	50°
165°	549.0	548.0	549.0	550.0	551.5	553.0	552.5	552.0	552.0	548.0	549.0	52.5°
167.5°	561.0	559.0	558.5	558.0	559.0	560.0	560.0	560.0	561.0	558.0	559.0	55°
170°	568.5	566.0	565.0	564.0	564.5	565.0	565.5	566.0	567.0	565.0	566.0	57.5°
172.5°	569.5	568.0	567.5	567.0	568.0	569.0	568.5	568.0	569.0	567.0	569.0	60°
175°	569.5	568.0	569.0	570.0	571.5	573.0	572.5	572.0	572.0	569.0	570.0	62.5°
177.5°	575.5	574.0	574.0	574.0	575.5	577.0	577.0	577.0	578.0	574.0	575.0	65°
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°
												110°



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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°	112.5°	175°
999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	112.5°	124.0
889.5	868.0	869.5	865.2	853.7	835.1	829.4	819.4	820.8	826.6	820.8	115°	147.0
726.4	700.7	703.6	702.1	690.7	677.8	667.8	654.9	650.7	654.9	647.8	117.5°	170.0
514.8	497.6	503.4	516.2	514.8	507.7	499.1	484.8	481.9	483.3	470.5	120°	195.0
393.3	376.1	371.8	370.4	367.5	363.2	351.8	340.3	336.1	337.5	328.9	122.5°	220.0
328.9	314.6	297.4	281.7	267.4	261.7	247.4	240.2	238.8	238.8	234.5	125°	246.0
260.3	248.8	238.8	223.1	211.6	203.1	193.1	187.3	185.9	187.3	187.3	127.5°	269.0
194.5	188.8	184.5	183.0	177.3	171.6	165.9	163.0	161.6	161.6	163.0	130°	292.0
148.7	147.3	147.3	147.3	154.4	160.2	161.6	157.3	155.9	154.4	153.0	132.5°	314.0
128.7	127.3	128.7	137.3	133.0	128.7	128.7	128.7	128.7	128.7	130.1	135°	337.0
118.7	120.1	121.6	117.3	113.0	110.1	108.7	108.7	107.3	107.3	108.7	137.5°	360.0
113.0	111.5	110.1	107.3	104.4	100.1	98.7	97.2	97.2	97.2	97.2	140°	383.0
105.8	104.4	103.0	100.1	95.8	90.1	88.7	88.7	87.2	88.7	88.7	142.5°	406.0
97.2	95.8	94.4	91.5	87.2	84.4	82.9	80.1	80.1	80.1	81.5	145°	426.0
78.7	77.2	77.2	78.7	78.7	77.2	77.2	74.4	74.4	74.4	74.4	147.5°	444.0
72.9	71.5	71.5	70.1	71.5	72.9	71.5	70.1	70.1	68.6	68.6	150°	462.0
68.6	68.6	67.2	65.8	65.8	68.6	67.2	65.8	64.4	64.4	64.4	152.5°	480.0
65.8	64.4	64.4	62.9	62.9	62.9	61.5	60.1	58.6	58.6	58.6	155°	500.0
62.9	62.9	61.5	60.1	58.6	58.6	55.8	54.3	54.3	54.3	55.8	157.5°	515.0
61.5	60.1	60.1	58.6	57.2	54.3	52.9	51.5	51.5	51.5	51.5	160°	527.0
60.1	58.6	57.2	57.2	54.3	52.9	51.5	50.1	50.1	50.1	50.1	162.5°	536.0
58.6	57.2	55.8	54.3	52.9	51.5	50.1	48.6	48.6	48.6	48.6	165°	547.0
55.8	54.3	54.3	52.9	52.9	51.5	50.1	48.6	48.6	48.6	47.2	167.5°	556.0
54.3	52.9	51.5	51.5	51.5	50.1	48.6	47.2	47.2	47.2	47.2	170°	563.0
52.9	51.5	51.5	50.1	50.1	48.6	48.6	47.2	45.8	45.8	44.3	172.5°	566.0
51.5	50.1	50.1	48.6	50.1	48.6	47.2	45.8	44.3	44.3	42.9	175°	569.0
50.1	48.6	48.6	48.6	47.2	47.2	45.8	42.9	42.9	42.9	41.5	177.5°	573.0
47.2	45.8	45.8	47.2	45.8	44.3	44.3	41.5	41.5	40.0	40.0	180°	576.0
42.9	42.9	42.9	44.3	42.9	41.5	41.5	40.0	38.6	37.2	37.2		
40.0	38.6	40.0	40.0	40.0	38.6	40.0	37.2	35.8	34.3	34.3		
34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	32.9	31.5	30.0		
27.2	28.6	28.6	28.6	28.6	30.0	28.6	28.6	28.6	27.2	25.7		
20.0	20.0	21.5	22.9	21.5	22.9	21.5	22.9	21.5	21.5	21.5		
11.4	11.4	12.9	14.3	14.3	15.7	12.9	14.3	14.3	15.7	14.3		
4.3	4.3	4.3	4.3	5.7	5.7	4.3	5.7	5.7	7.2	7.2		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
2.0	2.0	2.0	2.0	3.0	4.0	9.0	11.0	12.0	13.0	11.5		
8.0	8.0	8.0	10.0	14.0	22.0	30.0	31.0	31.5	32.0	31.5		
28.0	28.0	28.0	32.0	38.0	45.0	50.0	50.5	50.8	51.0	50.8		
54.0	54.0	54.0	56.0	61.0	66.0	70.0	70.5	70.8	71.0	71.0		
77.0	78.0	77.0	80.0	84.0	88.0	91.0	92.0	92.5	93.0	92.8		
102.0	101.0	102.0	103.0	106.0	110.0	112.0	113.0	113.5	114.0	114.0		

'228444
 ISS-AF-800-LED-E1-SLL-7030-ULG

REPORT NUMBER: P228444
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TION (continued):

CANDELA DISTRIBUTION (con

180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°		240°	242.5°
124.0	124.0	126.0	129.0	132.0	134.0	135.0	135.5	136.0	136.0	0°	999.6	999.6
146.0	147.0	149.0	151.0	154.0	156.0	157.0	157.5	158.0	158.0	2.5°	832.3	832.3
169.0	170.0	172.0	174.0	177.0	179.0	179.5	179.8	180.0	180.2	5°	653.5	652.1
193.0	195.0	196.0	198.0	201.0	202.0	203.0	203.5	204.0	204.0	7.5°	474.8	470.5
219.0	220.0	221.0	223.0	226.0	227.0	227.5	227.8	228.0	228.0	10°	331.8	320.3
244.0	246.0	247.0	248.0	251.0	252.0	252.5	252.8	253.0	253.2	12.5°	240.2	236.0
267.0	269.0	270.0	272.0	274.0	276.0	277.0	277.5	278.0	277.8	15°	190.2	190.2
290.0	292.0	293.0	294.0	298.0	299.0	300.0	300.5	301.0	301.0	17.5°	164.5	164.5
313.0	314.0	317.0	318.0	321.0	322.0	323.5	324.2	325.0	325.0	20°	151.6	150.2
336.0	337.0	339.0	341.0	345.0	345.0	346.5	347.2	348.0	348.0	22.5°	130.1	128.7
359.0	360.0	363.0	364.0	367.0	367.0	368.0	368.5	369.0	369.0	25°	107.3	107.3
382.0	383.0	385.0	386.0	388.0	389.0	389.5	389.8	390.0	390.0	27.5°	97.2	97.2
404.0	406.0	408.0	407.0	410.0	410.0	411.0	411.5	412.0	412.0	30°	88.7	90.1
425.0	426.0	428.0	428.0	431.0	432.0	433.0	433.5	434.0	433.8	32.5°	81.5	81.5
444.0	444.0	447.0	448.0	452.0	453.0	453.5	453.8	454.0	453.5	35°	72.9	72.9
461.0	462.0	464.0	465.0	469.0	470.0	470.5	470.8	471.0	470.5	37.5°	67.2	65.8
479.0	480.0	483.0	482.0	485.0	486.0	486.5	486.8	487.0	486.8	40°	61.5	61.5
499.0	500.0	502.0	501.0	503.0	503.0	503.5	503.8	504.0	503.8	42.5°	57.2	57.2
513.0	515.0	517.0	516.0	519.0	519.0	519.0	519.0	519.0	518.5	45°	54.3	54.3
525.0	527.0	529.0	529.0	532.0	532.0	532.0	532.0	532.0	531.5	47.5°	52.9	52.9
535.0	536.0	539.0	538.0	541.0	541.0	541.5	541.8	542.0	541.5	50°	50.1	50.1
546.0	547.0	549.0	548.0	552.0	552.0	552.5	552.8	553.0	552.2	52.5°	48.6	48.6
555.0	556.0	559.0	558.0	561.0	560.0	560.0	560.0	560.0	559.5	55°	47.2	48.6
562.0	563.0	566.0	565.0	567.0	566.0	565.5	565.2	565.0	564.8	57.5°	45.8	45.8
565.0	566.0	569.0	567.0	569.0	568.0	568.5	568.8	569.0	568.5	60°	44.3	44.3
567.0	569.0	570.0	569.0	572.0	572.0	572.5	572.8	573.0	572.2	62.5°	42.9	42.9
572.0	573.0	575.0	574.0	578.0	577.0	577.0	577.0	577.0	576.2	65°	41.5	41.5
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	38.6	38.6
										70°	35.8	35.8
										72.5°	32.9	32.9
										75°	30.0	28.6
										77.5°	25.7	24.3
										80°	21.5	20.0
										82.5°	15.7	14.3
										85°	7.2	7.2
										87.5°	0.0	0.0
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	1.0	1.0
										97.5°	10.0	8.5
										100°	31.0	30.5
										102.5°	50.5	50.2
										105°	71.0	71.0
										107.5°	92.5	92.2
										110°	114.0	114.0

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0-LED-E1-SLL-7030-ULG

<u>tinued):</u>										<u>CANDELA DISTRIBUTION (continued):</u>		
245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°		240°	242.5°	245°
999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	999.6	112.5°	136.0	136.0	136.0
815.1	818.0	820.8	826.6	823.7	822.3	820.8	829.4	833.7	115°	158.0	158.0	158.0
630.6	629.2	633.5	634.9	630.6	623.5	619.2	620.6	624.9	117.5°	180.5	180.8	181.0
450.5	447.6	446.2	447.6	443.3	436.2	430.4	431.9	436.2	120°	204.0	204.0	204.0
317.5	318.9	321.8	324.6	324.6	324.6	326.0	334.6	344.6	122.5°	228.0	228.0	228.0
238.8	241.7	247.4	251.7	256.0	257.4	258.8	270.3	278.9	125°	253.5	253.8	254.0
193.1	194.5	197.3	200.2	203.1	203.1	204.5	208.8	215.9	127.5°	277.5	277.2	277.0
164.5	164.5	164.5	163.0	161.6	158.7	157.3	155.9	157.3	130°	301.0	301.0	301.0
147.3	145.9	143.0	140.1	138.7	134.4	133.0	128.7	127.3	132.5°	325.0	325.0	325.0
128.7	128.7	128.7	127.3	125.8	124.4	121.6	117.3	114.4	135°	348.0	348.0	348.0
107.3	108.7	108.7	110.1	113.0	113.0	113.0	113.0	108.7	137.5°	369.0	369.0	369.0
97.2	97.2	98.7	98.7	100.1	100.1	100.1	101.5	103.0	140°	390.0	390.0	390.0
90.1	91.5	91.5	93.0	93.0	94.4	94.4	95.8	95.8	142.5°	412.0	412.0	412.0
82.9	84.4	84.4	84.4	87.2	87.2	85.8	87.2	87.2	145°	433.5	433.2	433.0
72.9	72.9	72.9	72.9	72.9	72.9	70.1	68.6	70.1	147.5°	453.0	452.5	452.0
65.8	64.4	62.9	62.9	62.9	64.4	62.9	64.4	64.4	150°	470.0	469.5	469.0
60.1	60.1	60.1	60.1	60.1	60.1	60.1	61.5	62.9	152.5°	486.5	486.2	486.0
57.2	57.2	57.2	57.2	57.2	57.2	57.2	58.6	58.6	155°	503.5	503.2	503.0
54.3	54.3	55.8	55.8	55.8	55.8	55.8	55.8	57.2	157.5°	518.0	517.5	517.0
52.9	52.9	52.9	52.9	52.9	52.9	52.9	54.3	55.8	160°	531.0	530.5	530.0
51.5	51.5	51.5	51.5	51.5	51.5	51.5	52.9	54.3	162.5°	541.0	540.5	540.0
48.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	51.5	165°	551.5	550.8	550.0
48.6	48.6	48.6	48.6	47.2	47.2	47.2	47.2	48.6	167.5°	559.0	558.5	558.0
47.2	47.2	47.2	45.8	45.8	44.3	44.3	44.3	47.2	170°	564.5	564.2	564.0
44.3	44.3	44.3	42.9	42.9	42.9	42.9	44.3	44.3	172.5°	568.0	567.5	567.0
41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	175°	571.5	570.8	570.0
40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	177.5°	575.5	574.8	574.0
38.6	37.2	37.2	37.2	37.2	38.6	37.2	37.2	37.2	180°	576.0	576.0	576.0
35.8	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3				
32.9	32.9	31.5	31.5	31.5	31.5	31.5	31.5	31.5				
28.6	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2				
24.3	24.3	22.9	22.9	22.9	22.9	22.9	22.9	22.9				
20.0	18.6	18.6	18.6	18.6	18.6	18.6	17.2	17.2				
14.3	14.3	14.3	12.9	12.9	12.9	12.9	11.4	10.0				
5.7	7.2	7.2	8.6	7.2	7.2	7.2	5.7	2.9				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				
7.0	6.5	6.0	5.5	5.0	4.8	4.5	4.0	4.0				
30.0	29.2	28.5	27.8	27.0	26.8	26.5	26.0	25.0				
50.0	49.5	49.0	48.5	48.0	48.2	48.5	49.0	48.0				
71.0	70.5	70.0	69.5	69.0	69.5	70.0	71.0	69.0				
92.0	91.8	91.5	91.2	91.0	91.2	91.5	92.0	91.0				
114.0	113.8	113.5	113.2	113.0	113.2	113.5	114.0	113.0				



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SLL-7030-ULG

CANDELA DISTRIBUTION (continued):

247.5°	250°	252.5°	255°	257.5°	260°	265°	270°		275°	280°	282.5°	285°
135.8	135.5	135.2	135.0	135.5	136.0	137.0	135.0	0°	999.6	999.6	999.6	999.6
158.0	158.0	158.0	158.0	158.5	159.0	160.0	159.0	2.5°	830.8	845.1	846.6	838.0
180.8	180.5	180.2	180.0	180.5	181.0	182.0	180.0	5°	619.2	637.8	636.4	624.9
204.0	204.0	204.0	204.0	204.5	205.0	206.0	204.0	7.5°	437.6	453.3	451.9	450.5
228.2	228.5	228.8	229.0	230.0	231.0	233.0	232.0	10°	354.6	368.9	373.2	383.2
254.0	254.0	254.0	254.0	254.8	255.5	257.0	256.0	12.5°	287.4	304.6	308.9	320.3
277.2	277.5	277.8	278.0	278.8	279.5	281.0	278.0	15°	221.7	236.0	240.2	248.8
301.2	301.5	301.8	302.0	302.8	303.5	305.0	303.0	17.5°	163.0	171.6	174.5	180.2
325.2	325.5	325.8	326.0	326.8	327.5	329.0	327.0	20°	127.3	130.1	131.6	133.0
348.2	348.5	348.8	349.0	349.5	350.0	351.0	350.0	22.5°	114.4	115.8	115.8	117.3
369.2	369.5	369.8	370.0	371.0	372.0	374.0	372.0	25°	105.8	107.3	107.3	108.7
390.5	391.0	391.5	392.0	393.0	394.0	396.0	394.0	27.5°	101.5	101.5	101.5	101.5
412.2	412.5	412.8	413.0	413.8	414.5	416.0	415.0	30°	97.2	97.2	97.2	98.7
433.2	433.5	433.8	434.0	434.8	435.5	437.0	435.0	32.5°	90.1	87.2	90.1	88.7
452.2	452.5	452.8	453.0	453.8	454.5	456.0	453.0	35°	70.1	70.1	71.5	72.9
469.0	469.0	469.0	469.0	470.0	471.0	473.0	470.0	37.5°	65.8	67.2	67.2	68.6
486.0	486.0	486.0	486.0	486.8	487.5	489.0	486.0	40°	62.9	64.4	65.8	67.2
503.2	503.5	503.8	504.0	504.8	505.5	507.0	505.0	42.5°	60.1	62.9	62.9	64.4
517.2	517.5	517.8	518.0	519.2	520.5	523.0	520.0	45°	58.6	60.1	61.5	62.9
530.0	530.0	530.0	530.0	530.8	531.5	533.0	531.0	47.5°	57.2	58.6	60.1	61.5
539.5	539.0	538.5	538.0	538.5	539.0	540.0	537.0	50°	54.3	57.2	58.6	60.1
549.5	549.0	548.5	548.0	548.5	549.0	550.0	548.0	52.5°	52.9	55.8	55.8	58.6
558.2	558.5	558.8	559.0	560.0	561.0	563.0	561.0	55°	50.1	52.9	52.9	55.8
564.5	565.0	565.5	566.0	567.2	568.5	571.0	569.0	57.5°	47.2	50.1	51.5	52.9
567.2	567.5	567.8	568.0	568.8	569.5	571.0	568.0	60°	45.8	47.2	48.6	50.1
569.5	569.0	568.5	568.0	568.8	569.5	571.0	568.0	62.5°	42.9	45.8	47.2	48.6
574.0	574.0	574.0	574.0	574.8	575.5	577.0	574.0	65°	41.5	44.3	44.3	47.2
576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	67.5°	38.6	41.5	41.5	42.9
								70°	35.8	37.2	38.6	40.0
								72.5°	32.9	34.3	34.3	35.8
								75°	27.2	28.6	30.0	31.5
								77.5°	22.9	22.9	25.7	25.7
								80°	17.2	17.2	18.6	20.0
								82.5°	10.0	10.0	11.4	11.4
								85°	2.9	2.9	2.9	2.9
								87.5°	0.0	0.0	0.0	0.0
								90°	0.0	0.0	0.0	0.0
								92.5°	0.0	0.0	0.0	0.0
								95°	1.0	1.0	1.0	1.0
								97.5°	4.0	4.5	4.8	5.0
								100°	26.0	26.5	26.8	27.0
								102.5°	49.0	48.5	48.2	48.0
								105°	71.0	70.0	69.5	69.0
								107.5°	92.0	91.5	91.2	91.0
								110°	114.0	113.5	113.2	113.0



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CANDELA DISTRIBUTION (continued):

287.5°	290°	292.5°	295°	297.5°	300°	302.5°		275°	280°	282.5°	285°	287.5°
999.6	999.6	999.6	999.6	999.6	999.6	999.6	112.5°	137.0	136.0	135.5	135.0	135.2
855.2	858.0	853.7	853.7	856.6	868.0	868.0	115°	160.0	159.0	158.5	158.0	158.0
647.8	654.9	650.7	652.1	657.8	670.7	677.8	117.5°	182.0	181.0	180.5	180.0	180.2
464.8	470.5	473.3	477.6	494.8	496.2	504.8	120°	206.0	205.0	204.5	204.0	204.0
387.5	396.1	401.8	409.0	423.3	430.4	440.4	122.5°	233.0	231.0	230.0	229.0	228.8
326.0	336.1	341.8	356.1	364.7	373.2	386.1	125°	257.0	255.5	254.8	254.0	254.0
254.5	266.0	271.7	280.3	297.4	306.0	323.2	127.5°	281.0	279.5	278.8	278.0	277.8
184.5	188.8	200.2	214.5	224.5	238.8	247.4	130°	305.0	303.5	302.8	302.0	301.8
135.9	138.7	144.4	154.4	160.2	171.6	180.2	132.5°	329.0	327.5	326.8	326.0	325.8
117.3	118.7	121.6	124.4	127.3	131.6	135.9	135°	351.0	350.0	349.5	349.0	348.8
108.7	110.1	111.5	113.0	115.8	117.3	118.7	137.5°	374.0	372.0	371.0	370.0	369.8
103.0	103.0	104.4	107.3	107.3	110.1	111.5	140°	396.0	394.0	393.0	392.0	391.5
100.1	103.0	105.8	110.1	111.5	114.4	115.8	142.5°	416.0	414.5	413.8	413.0	412.8
85.8	85.8	87.2	90.1	90.1	91.5	93.0	145°	437.0	435.5	434.8	434.0	433.8
72.9	74.4	75.8	77.2	78.7	81.5	82.9	147.5°	456.0	454.5	453.8	453.0	452.8
70.1	70.1	71.5	74.4	75.8	77.2	78.7	150°	473.0	471.0	470.0	469.0	469.0
67.2	68.6	70.1	71.5	72.9	75.8	77.2	152.5°	489.0	487.5	486.8	486.0	486.0
65.8	67.2	68.6	70.1	72.9	74.4	75.8	155°	507.0	505.5	504.8	504.0	503.8
64.4	65.8	67.2	70.1	71.5	74.4	75.8	157.5°	523.0	520.5	519.2	518.0	517.8
62.9	64.4	65.8	68.6	71.5	74.4	77.2	160°	533.0	531.5	530.8	530.0	530.0
61.5	62.9	65.8	68.6	71.5	75.8	82.9	162.5°	540.0	539.0	538.5	538.0	538.5
60.1	62.9	65.8	68.6	72.9	78.7	85.8	165°	550.0	549.0	548.5	548.0	548.5
58.6	61.5	62.9	67.2	71.5	77.2	78.7	167.5°	563.0	561.0	560.0	559.0	558.8
55.8	58.6	60.1	64.4	70.1	71.5	70.1	170°	571.0	568.5	567.2	566.0	565.5
52.9	54.3	58.6	67.2	72.9	67.2	60.1	172.5°	571.0	569.5	568.8	568.0	567.8
51.5	52.9	55.8	61.5	62.9	55.8	54.3	175°	571.0	569.5	568.8	568.0	568.5
48.6	48.6	50.1	50.1	50.1	50.1	50.1	177.5°	577.0	575.5	574.8	574.0	574.0
44.3	44.3	45.8	45.8	45.8	45.8	45.8	180°	576.0	576.0	576.0	576.0	576.0
40.0	40.0	41.5	41.5	41.5	42.9	42.9						
35.8	37.2	37.2	38.6	38.6	38.6	40.0						
31.5	32.9	32.9	32.9	32.9	34.3	34.3						
27.2	27.2	28.6	28.6	28.6	28.6	28.6						
21.5	21.5	21.5	21.5	21.5	21.5	21.5						
12.9	12.9	14.3	12.9	12.9	11.4	11.4						
2.9	2.9	2.9	1.4	1.4	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
1.0	1.0	1.0	1.0	1.0	1.0	1.0						
5.5	6.0	6.5	7.0	8.5	10.0	11.5						
27.8	28.5	29.2	30.0	30.5	31.0	31.5						
48.5	49.0	49.5	50.0	50.2	50.5	50.8						
69.5	70.0	70.5	71.0	71.0	71.0	71.0						
91.2	91.5	91.8	92.0	92.2	92.5	92.8						
113.2	113.5	113.8	114.0	114.0	114.0	114.0						



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CANDELA DISTRIBUTION (continued):

290°	292.5°	295°	297.5°	300°	302.5°		305°	307.5°	310°	312.5°	315°	317.5°
135.5	135.8	136.0	136.0	136.0	136.0	0°	999.6	999.6	999.6	999.6	999.6	999.6
158.0	158.0	158.0	158.0	158.0	158.0	2.5°	889.5	889.5	892.3	903.8	906.6	913.8
180.5	180.8	181.0	180.8	180.5	180.2	5°	703.6	709.3	717.9	732.2	740.7	756.5
204.0	204.0	204.0	204.0	204.0	204.0	7.5°	524.8	533.4	540.5	556.3	569.1	584.9
228.5	228.2	228.0	228.0	228.0	228.0	10°	454.7	461.9	471.9	481.9	494.8	501.9
254.0	254.0	254.0	253.8	253.5	253.2	12.5°	404.7	414.7	424.7	439.0	451.9	464.8
277.5	277.2	277.0	277.2	277.5	277.8	15°	343.2	354.6	366.1	381.8	400.4	413.3
301.5	301.2	301.0	301.0	301.0	301.0	17.5°	266.0	278.9	294.6	316.0	336.1	351.8
325.5	325.2	325.0	325.0	325.0	325.0	20°	195.9	207.4	221.7	240.2	254.5	281.7
348.5	348.2	348.0	348.0	348.0	348.0	22.5°	144.4	151.6	163.0	177.3	193.1	217.4
369.5	369.2	369.0	369.0	369.0	369.0	25°	121.6	124.4	128.7	137.3	147.3	164.5
391.0	390.5	390.0	390.0	390.0	390.0	27.5°	113.0	114.4	117.3	121.6	127.3	135.9
412.5	412.2	412.0	412.0	412.0	412.0	30°	118.7	118.7	118.7	120.1	123.0	127.3
433.5	433.2	433.0	433.2	433.5	433.8	32.5°	95.8	97.2	97.2	100.1	101.5	107.3
452.5	452.2	452.0	452.5	453.0	453.5	35°	85.8	87.2	88.7	90.1	93.0	94.4
469.0	469.0	469.0	469.5	470.0	470.5	37.5°	81.5	82.9	84.4	84.4	85.8	88.7
486.0	486.0	486.0	486.2	486.5	486.8	40°	80.1	80.1	80.1	80.1	82.9	85.8
503.5	503.2	503.0	503.2	503.5	503.8	42.5°	77.2	77.2	77.2	78.7	82.9	88.7
517.5	517.2	517.0	517.5	518.0	518.5	45°	77.2	77.2	78.7	84.4	85.8	85.8
530.0	530.0	530.0	530.5	531.0	531.5	47.5°	80.1	82.9	84.4	82.9	81.5	81.5
539.0	539.5	540.0	540.5	541.0	541.5	50°	87.2	85.8	80.1	78.7	78.7	75.8
549.0	549.5	550.0	550.8	551.5	552.2	52.5°	85.8	80.1	78.7	75.8	72.9	71.5
558.5	558.2	558.0	558.5	559.0	559.5	55°	77.2	75.8	71.5	68.6	67.2	68.6
565.0	564.5	564.0	564.2	564.5	564.8	57.5°	67.2	65.8	62.9	62.9	64.4	65.8
567.5	567.2	567.0	567.5	568.0	568.5	60°	58.6	58.6	58.6	60.1	61.5	62.9
569.0	569.5	570.0	570.8	571.5	572.2	62.5°	52.9	54.3	54.3	57.2	58.6	60.1
574.0	574.0	574.0	574.8	575.5	576.2	65°	50.1	51.5	52.9	52.9	54.3	55.8
576.0	576.0	576.0	576.0	576.0	576.0	67.5°	47.2	47.2	48.6	50.1	51.5	52.9
						70°	42.9	44.3	45.8	47.2	47.2	48.6
						72.5°	40.0	40.0	41.5	42.9	42.9	45.8
						75°	34.3	35.8	35.8	35.8	37.2	40.0
						77.5°	30.0	28.6	30.0	30.0	31.5	32.9
						80°	21.5	20.0	20.0	21.5	21.5	21.5
						82.5°	11.4	10.0	11.4	10.0	10.0	11.4
						85°	0.0	0.0	0.0	0.0	0.0	0.0
						87.5°	0.0	0.0	0.0	0.0	0.0	0.0
						90°	0.0	0.0	0.0	0.0	0.0	0.0
						92.5°	0.0	0.0	0.0	0.0	0.0	0.0
						95°	1.0	1.0	1.0	1.0	1.0	1.0
						97.5°	13.0	12.0	11.0	10.0	9.0	7.8
						100°	32.0	31.5	31.0	30.5	30.0	28.0
						102.5°	51.0	50.8	50.5	50.2	50.0	48.8
						105°	71.0	70.8	70.5	70.2	70.0	69.0
						107.5°	93.0	92.5	92.0	91.5	91.0	90.2
						110°	114.0	113.5	113.0	112.5	112.0	111.5



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CANDELA DISTRIBUTION (continued):

320°	322.5°	325°	335°	345°		305°	307.5°	310°	312.5°	315°	317.5°	320°
999.6	999.6	999.6	999.6	999.6	112.5°	136.0	135.5	135.0	134.5	134.0	133.5	133.0
912.4	925.2	930.9	965.3	1001.0	115°	158.0	157.5	157.0	156.5	156.0	155.5	155.0
753.6	779.4	783.7	846.6	908.1	117.5°	180.0	179.8	179.5	179.2	179.0	178.5	178.0
589.2	619.2	627.8	710.7	796.5	120°	204.0	203.5	203.0	202.5	202.0	201.8	201.5
513.4	527.7	537.7	599.2	697.8	122.5°	228.0	227.8	227.5	227.2	227.0	226.8	226.5
476.2	490.5	503.4	553.4	630.6	125°	253.0	252.8	252.5	252.2	252.0	251.8	251.5
426.1	441.9	457.6	519.1	609.2	127.5°	278.0	277.5	277.0	276.5	276.0	275.5	275.0
364.7	386.1	406.1	480.5	599.2	130°	301.0	300.5	300.0	299.5	299.0	298.8	298.5
296.0	321.8	346.1	439.0	584.9	132.5°	325.0	324.2	323.5	322.8	322.0	321.8	321.5
233.1	256.0	283.1	400.4	584.9	135°	348.0	347.2	346.5	345.8	345.0	345.0	345.0
180.2	203.1	230.2	366.1	600.6	137.5°	369.0	368.5	368.0	367.5	367.0	367.0	367.0
147.3	165.9	193.1	338.9	623.5	140°	390.0	389.8	389.5	389.2	389.0	388.8	388.5
133.0	144.4	161.6	298.9	639.2	142.5°	412.0	411.5	411.0	410.5	410.0	410.0	410.0
113.0	121.6	137.3	274.6	649.2	145°	434.0	433.5	433.0	432.5	432.0	431.8	431.5
100.1	110.1	125.8	258.8	647.8	147.5°	454.0	453.8	453.5	453.2	453.0	452.8	452.5
93.0	103.0	121.6	253.1	647.8	150°	471.0	470.8	470.5	470.2	470.0	469.8	469.5
93.0	103.0	118.7	247.4	652.1	152.5°	487.0	486.8	486.5	486.2	486.0	485.8	485.5
91.5	97.2	110.1	244.5	659.2	155°	504.0	503.8	503.5	503.2	503.0	503.0	503.0
87.2	91.5	104.4	244.5	673.5	157.5°	519.0	519.0	519.0	519.0	519.0	519.0	519.0
81.5	87.2	100.1	248.8	700.7	160°	532.0	532.0	532.0	532.0	532.0	532.0	532.0
77.2	82.9	98.7	248.8	756.5	162.5°	542.0	541.8	541.5	541.2	541.0	541.0	541.0
72.9	81.5	97.2	246.0	836.6	165°	553.0	552.8	552.5	552.2	552.0	552.0	552.0
71.5	78.7	94.4	243.1	935.2	167.5°	560.0	560.0	560.0	560.0	560.0	560.2	560.5
70.1	75.8	87.2	236.0	1013.9	170°	565.0	565.2	565.5	565.8	566.0	566.2	566.5
67.2	71.5	80.1	223.1	1066.8	172.5°	569.0	568.8	568.5	568.2	568.0	568.2	568.5
62.9	67.2	72.9	208.8	1078.2	175°	573.0	572.8	572.5	572.2	572.0	572.0	572.0
60.1	64.4	72.9	197.3	1008.2	177.5°	577.0	577.0	577.0	577.0	577.0	577.2	577.5
55.8	62.9	74.4	187.3	855.2	180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0
52.9	62.9	75.8	183.0	679.3								
50.1	61.5	77.2	175.9	511.9								
45.8	55.8	67.2	145.9	346.1								
37.2	42.9	50.1	93.0	183.0								
24.3	25.7	28.6	57.2	101.5								
11.4	14.3	14.3	27.2	45.8								
0.0	0.0	0.0	2.9	10.0								
0.0	0.0	0.0	0.0	0.0								
0.0	0.0	0.0	0.0	0.0								
0.0	0.0	0.0	0.0	0.0								
1.0	1.0	1.0	1.0	1.0								
6.5	5.2	4.0	3.0	2.0								
26.0	24.0	22.0	14.0	10.0								
47.5	46.2	45.0	38.0	32.0								
68.0	67.0	66.0	61.0	56.0								
89.5	88.8	88.0	84.0	80.0								
111.0	110.5	110.0	106.0	103.0								

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CANDELA DISTRIBUTION (continued):

322.5°	325°	335°	345°		355°	359°	360°
132.5	132.0	129.0	126.0	0°	999.6	999.6	999.6
154.5	154.0	151.0	149.0	2.5°	1035.3	1052.5	1061.1
177.5	177.0	174.0	172.0	5°	979.6	1015.3	1026.8
201.2	201.0	198.0	196.0	7.5°	895.2	935.2	951.0
226.2	226.0	223.0	221.0	10°	810.8	860.9	876.6
251.2	251.0	248.0	247.0	12.5°	760.8	820.8	829.4
274.5	274.0	272.0	270.0	15°	740.7	802.2	819.4
298.2	298.0	294.0	293.0	17.5°	760.8	829.4	846.6
321.2	321.0	318.0	317.0	20°	799.4	883.8	910.9
345.0	345.0	341.0	339.0	22.5°	865.2	979.6	1013.9
367.0	367.0	364.0	363.0	25°	972.4	1131.1	1161.2
388.2	388.0	386.0	385.0	27.5°	1086.8	1251.3	1298.5
410.0	410.0	407.0	408.0	30°	1186.9	1362.8	1401.4
431.2	431.0	428.0	428.0	32.5°	1258.4	1451.5	1495.8
452.2	452.0	448.0	447.0	35°	1342.8	1553.0	1595.9
469.2	469.0	465.0	464.0	37.5°	1440.0	1676.0	1734.6
485.2	485.0	482.0	483.0	40°	1547.3	1803.3	1869.0
503.0	503.0	501.0	502.0	42.5°	1644.5	1921.9	1994.9
519.0	519.0	516.0	517.0	45°	1720.3	2033.5	2090.7
532.0	532.0	529.0	529.0	47.5°	1807.5	2119.3	2183.6
541.0	541.0	538.0	539.0	50°	1927.7	2228.0	2303.8
552.0	552.0	548.0	549.0	52.5°	2103.6	2412.4	2466.8
560.8	561.0	558.0	559.0	55°	2316.6	2635.5	2697.0
566.8	567.0	565.0	566.0	57.5°	2512.5	2842.9	2895.8
568.8	569.0	567.0	569.0	60°	2638.4	2938.7	2983.0
572.0	572.0	569.0	570.0	62.5°	2639.8	2941.5	2997.3
577.8	578.0	574.0	575.0	65°	2535.4	2878.6	2941.5
576.0	576.0	576.0	576.0	67.5°	2270.9	2718.5	2815.7
				70°	1917.7	2403.9	2512.5
				72.5°	1495.8	1889.1	2013.5
				75°	1013.9	1254.1	1362.8
				77.5°	644.9	723.6	759.3
				80°	380.4	427.6	446.2
				82.5°	236.0	254.5	273.1
				85°	95.8	68.6	74.4
				87.5°	0.0	0.0	0.0
				90°	0.0	0.0	0.0
				92.5°	0.0	0.0	0.0
				95°	1.0	1.0	1.0
				97.5°	2.0	2.0	2.0
				100°	8.0	8.0	8.0
				102.5°	28.0	28.0	28.0
				105°	54.0	54.0	54.0
				107.5°	77.0	77.8	78.0
				110°	102.0	101.2	101.0

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CANDELA DISTRIBUTION (continued):

	355°	359°	360°
112.5°	124.0	124.0	124.0
115°	147.0	146.2	146.0
117.5°	170.0	169.2	169.0
120°	195.0	193.4	193.0
122.5°	220.0	219.2	219.0
125°	246.0	244.4	244.0
127.5°	269.0	267.4	267.0
130°	292.0	290.4	290.0
132.5°	314.0	313.2	313.0
135°	337.0	336.2	336.0
137.5°	360.0	359.2	359.0
140°	383.0	382.2	382.0
142.5°	406.0	404.4	404.0
145°	426.0	425.2	425.0
147.5°	444.0	444.0	444.0
150°	462.0	461.2	461.0
152.5°	480.0	479.2	479.0
155°	500.0	499.2	499.0
157.5°	515.0	513.4	513.0
160°	527.0	525.4	525.0
162.5°	536.0	535.2	535.0
165°	547.0	546.2	546.0
167.5°	556.0	555.2	555.0
170°	563.0	562.2	562.0
172.5°	566.0	565.2	565.0
175°	569.0	567.4	567.0
177.5°	573.0	572.2	572.0
180°	576.0	576.0	576.0

(END OF REPORT)