

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: P227240

Luminaire Tested: **IST-AF-1000-LED-E1-SLL-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-1000-LED-E1-SLL-8030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4260.8 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U1 - G2

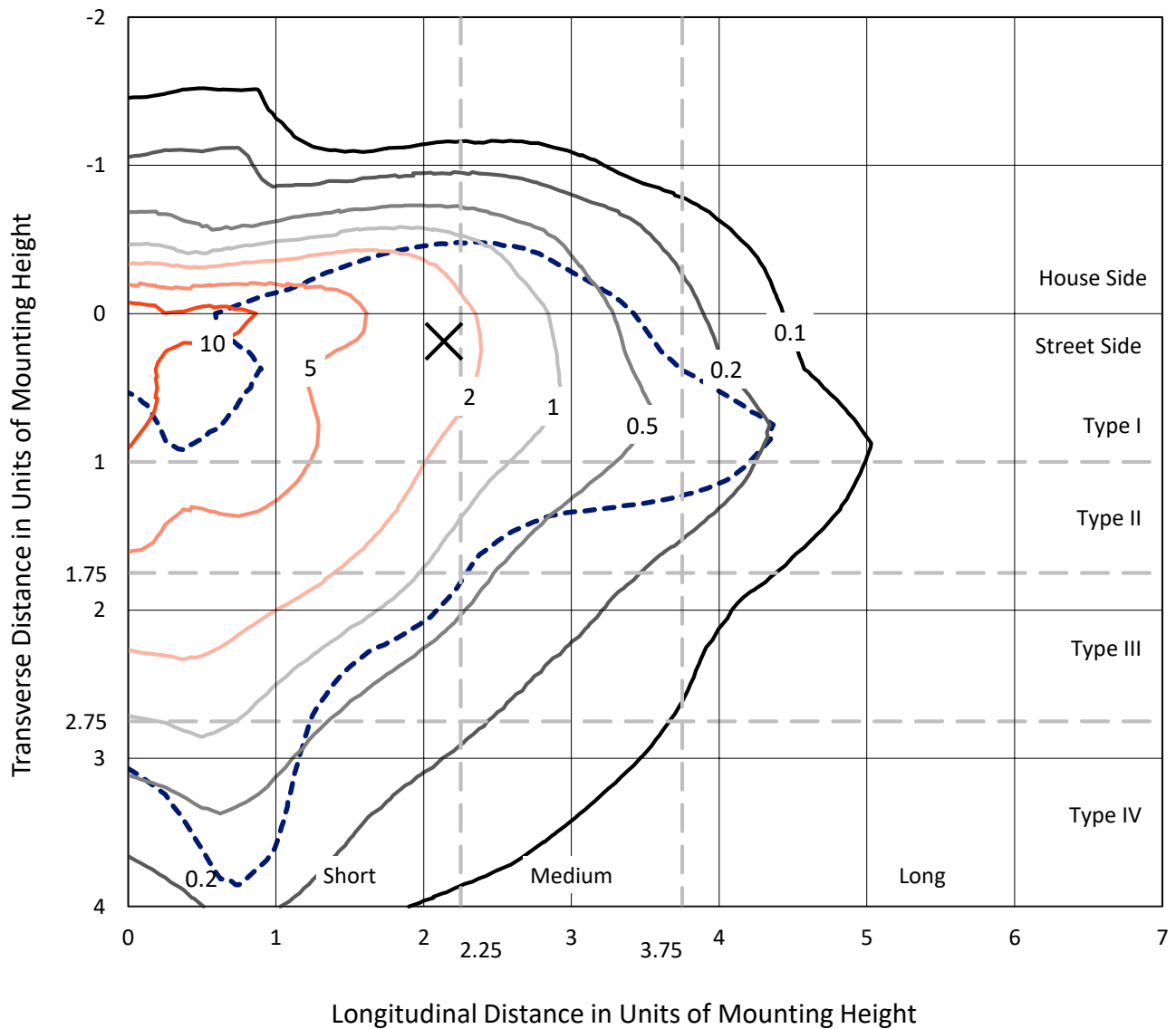
Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

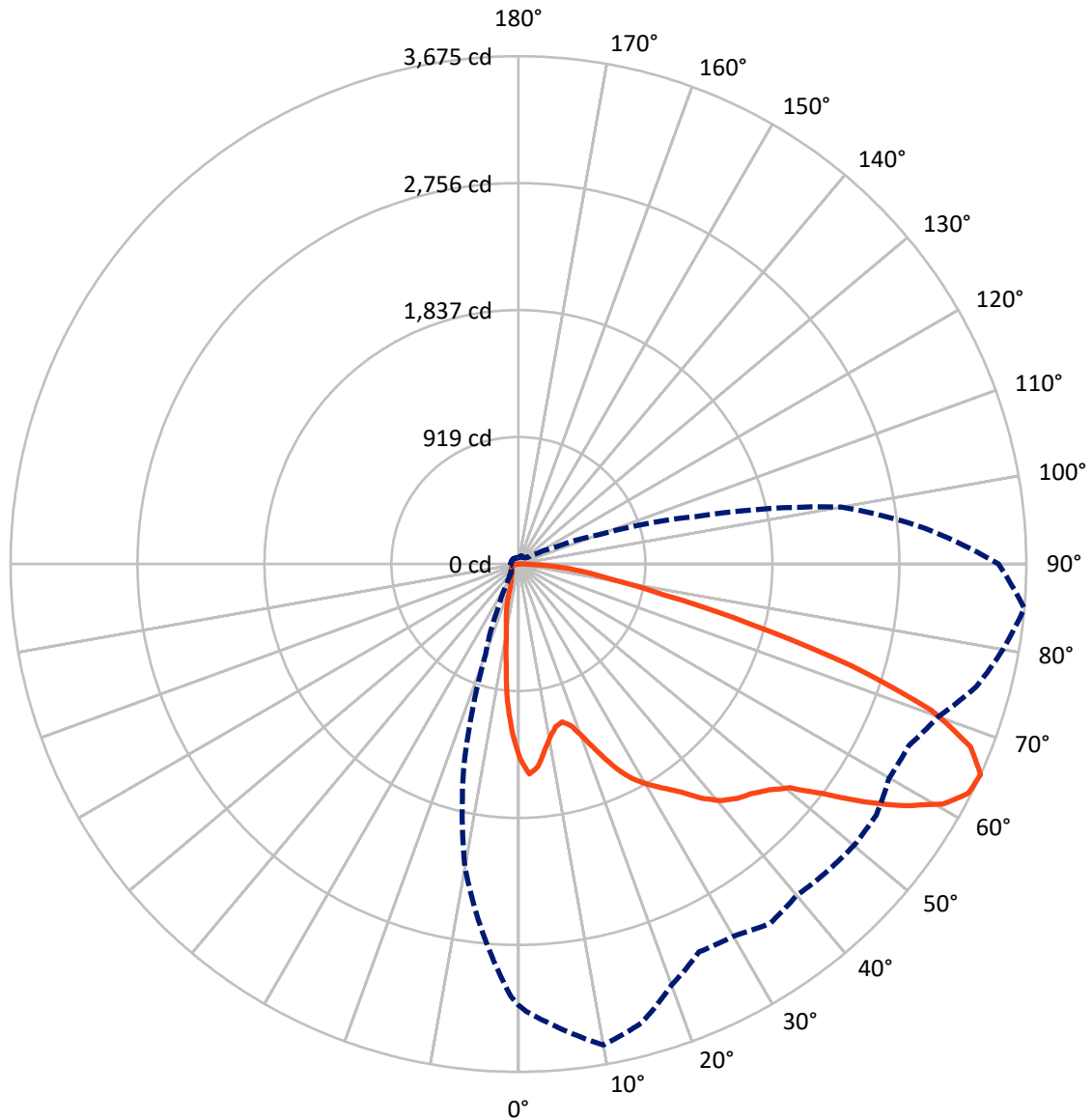
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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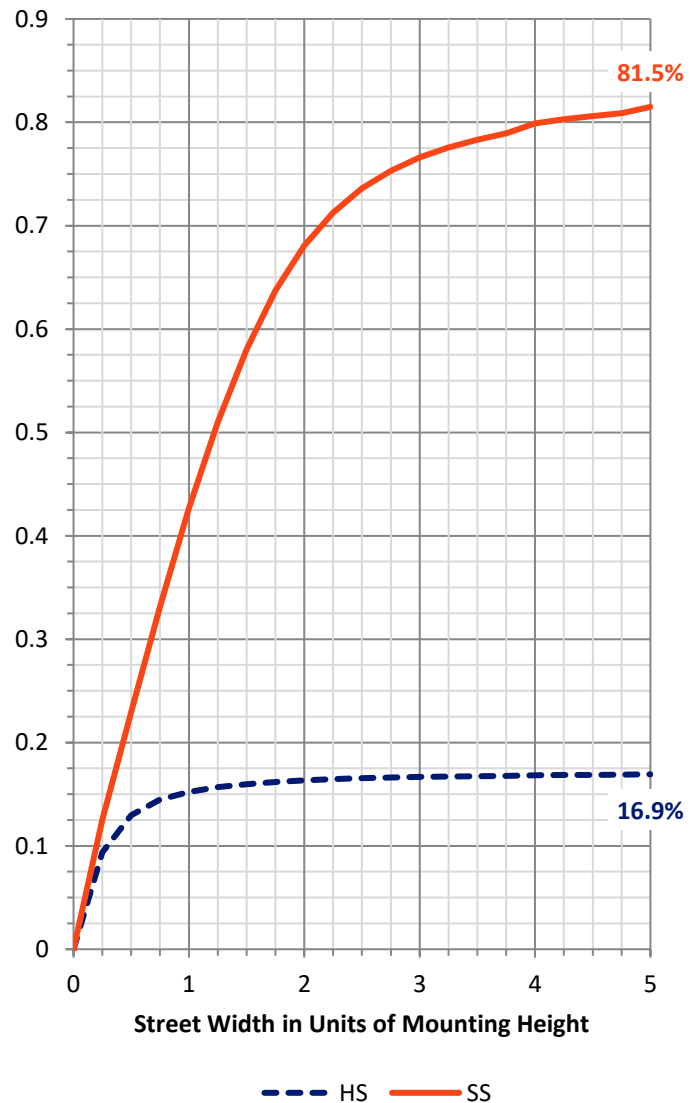
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	730.9	0.0	730.9
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	3529.7	0.2	3529.9
	% Fixture	82.8	0.0	82.8
Total	Lumens	4260.6	0.2	4260.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	2.4
10°-20°	200.7	4.7
20°-30°	286.1	6.7
30°-40°	415.1	9.7
40°-50°	593.8	13.9
50°-60°	911.7	21.4
60°-70°	1055.3	24.8
70°-80°	538.3	12.6
80°-90°	155.4	3.6
90°-100°	0.2	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°	4260.6	100.0
0°-180°	4260.8	100.0



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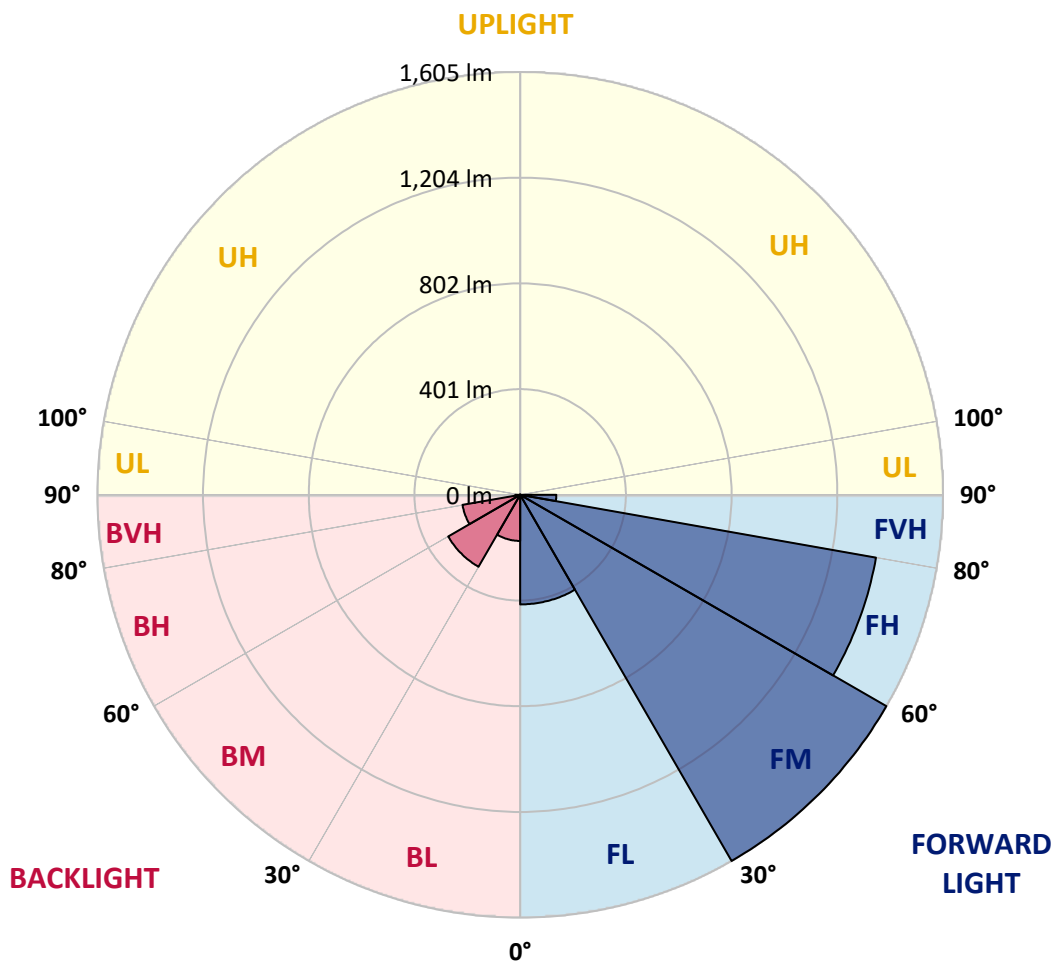
CATALOG NUMBER: IST-AF-1000-LED-E1-SLL-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	416.1	9.8			
FM	(30°-60°)	1605.0	37.7			
FH	(60°-80°)	1371.3	32.2			G1/1800
FVH	(80°-90°)	137.3	3.2			G2/225
BL	(0°-30°)	174.9	4.1	B1/500		
BM	(30°-60°)	315.6	7.4	B1/1000		
BH	(60°-80°)	222.3	5.2	B1/500		G1/500
BVH	(80°-90°)	18.1	0.4			G1/100
UL	(90°-100°)	0.2	0.0		U1/10	
UH	(100°-180°)	0.0	0.0		U1/10	

BUG Rating: B1-U1-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1457.1	1458.5	1478.6	1497.9	1522.3	1518.7	1538.8	1553.9	1567.5	1569.6	1579.7
5°	1368.2	1382.5	1427.7	1466.4	1515.2	1553.2	1594.0	1626.3	1650.0	1672.2	1675.1
7.5°	1243.4	1254.1	1306.5	1367.4	1437.7	1487.9	1549.6	1603.3	1641.4	1677.2	1685.1
10°	1136.5	1146.6	1204.7	1283.5	1345.2	1410.5	1474.3	1518.0	1567.5	1598.3	1613.4
12.5°	1084.9	1097.1	1152.3	1224.0	1287.1	1350.2	1398.3	1436.3	1464.2	1470.0	1474.3
15°	1105.0	1111.4	1172.4	1236.2	1286.4	1318.0	1330.9	1353.8	1351.7	1363.1	1365.3
17.5°	1186.0	1183.2	1247.7	1292.1	1316.5	1312.9	1292.9	1280.7	1259.2	1252.7	1271.3
20°	1325.1	1335.2	1376.8	1404.0	1378.9	1320.8	1265.6	1227.6	1197.5	1187.5	1185.3
22.5°	1487.9	1500.8	1546.0	1531.6	1467.8	1361.7	1261.3	1200.4	1163.1	1152.3	1148.0
25°	1658.6	1667.2	1690.1	1641.4	1551.7	1414.0	1291.4	1206.1	1156.6	1140.8	1138.7
27.5°	1796.2	1804.8	1794.1	1738.2	1608.4	1472.8	1333.0	1231.9	1167.4	1151.6	1144.4
30°	1908.8	1913.1	1877.3	1807.7	1678.6	1538.1	1387.5	1277.1	1201.8	1165.9	1160.9
32.5°	2035.0	2032.2	1962.6	1866.5	1738.2	1596.9	1449.9	1328.0	1234.8	1191.0	1183.2
35°	2173.4	2148.3	2025.7	1924.6	1779.0	1642.1	1506.5	1381.8	1287.8	1229.8	1219.7
37.5°	2296.7	2270.9	2106.7	1970.5	1819.9	1677.2	1551.0	1451.3	1368.9	1315.8	1311.5
40°	2392.8	2361.3	2168.4	2001.3	1840.0	1703.0	1603.3	1538.8	1484.3	1441.3	1441.3
42.5°	2470.3	2435.9	2228.6	2037.2	1857.9	1742.5	1690.8	1668.6	1657.1	1633.5	1642.1
45°	2544.8	2509.7	2278.1	2060.1	1898.1	1819.2	1826.4	1845.7	1880.1	1866.5	1878.7
47.5°	2615.8	2581.4	2334.0	2096.7	1975.5	1956.9	1994.1	2071.6	2139.0	2192.1	2229.3
50°	2734.9	2694.0	2434.4	2204.2	2097.4	2106.7	2214.3	2366.3	2476.0	2524.8	2521.9
52.5°	2960.7	2902.7	2650.3	2405.0	2271.6	2323.3	2450.2	2641.7	2785.1	2823.1	2838.1
55°	3236.8	3190.9	2962.2	2671.1	2574.2	2592.2	2749.9	2966.5	3076.9	3116.3	3129.3
57.5°	3398.9	3386.7	3243.3	2955.7	2861.8	2854.6	3060.4	3237.5	3332.9	3370.2	3358.7
59°	3436.9	3440.5	3358.7	3157.2	3028.1	3012.4	3221.8	3386.0	3465.6	3477.0	3471.3
60°	3433.3	3453.4	3443.3	3267.6	3133.6	3113.5	3289.9	3446.2	3512.9	3530.8	3510.7
62.5°	3359.4	3393.8	3489.2	3470.6	3372.3	3269.8	3353.0	3466.3	3509.3	3492.1	3477.0
65°	3191.6	3236.8	3369.5	3534.4	3439.7	3241.8	3096.3	3109.2	3174.4	3131.4	3152.2
67.5°	2901.9	2953.6	3023.8	3398.2	3260.5	2928.5	2678.2	2555.6	2524.8	2566.4	2632.3
70°	2360.6	2394.3	2572.1	3101.3	2863.2	2407.2	2093.1	1929.6	1875.1	1971.2	2038.6
72.5°	1665.0	1715.2	1949.7	2566.4	2355.5	1928.2	1584.0	1433.4	1378.9	1383.2	1442.0
75°	1013.2	1081.3	1362.4	2029.3	1856.5	1477.1	1206.8	1098.5	1082.0	1072.7	1062.7
77.5°	668.3	694.1	895.6	1400.4	1252.0	1050.5	905.6	950.1	999.6	1010.3	1023.2
80°	453.2	461.1	580.8	982.4	824.6	775.9	732.1	836.8	930.7	948.0	938.6
82.5°	278.9	302.6	405.1	662.6	657.5	634.6	578.7	660.4	722.8	733.6	752.9
85°	96.8	101.1	248.8	585.1	668.3	675.5	476.8	376.5	423.1	415.2	298.3
87.5°	41.6	46.6	77.4	391.5	452.5	374.3	218.0	193.6	149.1	83.9	81.0
90°	2.9	2.9	2.2	3.6	10.8	7.2	6.5	2.2	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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):

	0°	1°	5°	10°	15°	20°	25°	30°	35°	40°	45°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1577.5	1568.2	1573.9	1566.1	1553.2	1544.5	1534.5	1521.6	1506.5	1486.5	1466.4
5°	1668.6	1661.4	1643.5	1617.7	1581.8	1551.7	1515.9	1473.6	1438.4	1393.2	1350.9
7.5°	1676.5	1665.0	1632.0	1584.0	1528.8	1472.8	1430.5	1361.7	1317.2	1245.5	1197.5
10°	1604.8	1605.5	1572.5	1527.3	1470.0	1404.0	1343.1	1267.8	1202.5	1129.4	1049.1
12.5°	1499.4	1509.4	1510.8	1470.7	1414.8	1345.2	1277.1	1205.4	1124.4	1046.2	972.3
15°	1379.6	1408.3	1410.5	1400.4	1371.0	1312.2	1249.8	1185.3	1102.8	1017.5	934.3
17.5°	1272.8	1300.0	1325.1	1348.1	1349.5	1321.5	1283.5	1228.3	1145.9	1045.5	948.0
20°	1191.8	1221.2	1264.2	1306.5	1353.1	1367.4	1370.3	1335.2	1247.0	1124.4	992.4
22.5°	1158.1	1192.5	1236.2	1315.8	1398.3	1449.2	1477.9	1477.9	1385.4	1241.9	1065.6
25°	1150.9	1178.8	1245.5	1344.5	1454.9	1543.8	1598.3	1634.9	1568.2	1393.2	1155.9
27.5°	1155.9	1193.9	1276.4	1377.5	1492.9	1606.9	1696.6	1760.4	1698.0	1496.5	1239.8
30°	1176.0	1232.6	1318.0	1422.6	1541.7	1662.1	1770.4	1851.5	1805.6	1590.4	1319.4
32.5°	1211.1	1280.0	1376.8	1471.4	1589.7	1720.2	1827.1	1933.9	1900.2	1655.7	1361.7
35°	1263.5	1344.5	1432.7	1528.1	1641.4	1771.9	1885.9	2025.7	2013.5	1737.4	1404.0
37.5°	1348.1	1431.3	1512.3	1594.0	1701.6	1828.5	1970.5	2149.0	2139.0	1858.6	1472.1
40°	1497.2	1546.0	1606.2	1658.6	1759.7	1880.9	2032.9	2250.9	2286.7	1962.6	1532.4
42.5°	1682.2	1710.9	1728.1	1742.5	1794.1	1908.1	2078.0	2319.0	2377.8	2040.0	1579.0
45°	1918.1	1909.5	1875.1	1842.1	1836.4	1923.9	2098.8	2369.2	2449.5	2115.3	1626.3
47.5°	2197.1	2178.4	2084.5	1976.2	1916.0	1952.6	2135.4	2443.0	2537.7	2214.3	1685.1
50°	2519.0	2475.3	2321.8	2139.0	2027.8	2033.6	2227.9	2545.6	2653.8	2343.4	1794.8
52.5°	2817.3	2739.2	2556.3	2314.7	2155.5	2174.8	2394.3	2757.8	2891.9	2557.0	1979.1
55°	3080.5	2980.1	2782.9	2518.3	2374.2	2407.9	2660.3	3038.9	3165.8	2811.6	2165.5
57.5°	3304.2	3197.4	3003.1	2770.0	2590.7	2618.7	2897.6	3299.9	3385.2	3040.3	2344.1
59°	3406.0	3300.6	3121.4	2906.2	2738.5	2797.3	3065.4	3429.7	3466.3	3128.5	2412.2
60°	3455.5	3350.1	3192.4	2982.3	2828.8	2906.2	3154.4	3527.9	3496.4	3141.4	2438.0
62.5°	3451.9	3378.1	3274.1	3130.7	3102.7	3231.8	3443.3	3654.1	3517.2	3104.2	2454.5
65°	3168.7	3162.2	3097.7	3114.2	3231.1	3430.4	3560.2	3674.9	3474.2	2955.7	2374.9
67.5°	2643.1	2669.6	2678.2	2779.3	3052.5	3391.0	3505.0	3527.2	3287.0	2638.1	2127.5
70°	2040.8	1982.0	2078.8	2257.3	2651.0	3086.9	3249.0	3171.6	2904.1	2209.3	1737.4
72.5°	1444.9	1462.1	1601.2	1832.8	2233.6	2685.4	2939.2	2516.9	2184.9	1653.5	1231.9
75°	1087.1	1168.1	1235.5	1438.4	1814.2	2300.3	2509.7	1730.3	1423.4	1140.1	806.0
77.5°	1041.9	1035.4	983.8	1026.8	1307.9	1611.2	1790.5	1079.9	891.3	745.7	486.9
80°	963.0	907.8	813.9	772.3	823.9	1034.7	1136.5	694.1	593.0	521.3	274.6
82.5°	747.2	709.9	610.9	608.1	686.9	735.0	781.6	491.9	446.0	422.3	168.5
85°	474.0	486.9	499.1	608.8	762.2	770.8	608.1	299.7	235.2	331.3	107.6
87.5°	140.5	228.7	277.5	471.1	686.9	689.1	457.5	98.2	88.2	103.3	62.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227240

CATALOG NUMBER: IST-AF-1000-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227240

CATALOG NUMBER: IST-AF-1000-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1445.6	1442.7	1422.6	1388.9	1391.8	1376.0	1356.0	1323.7	1317.2	1299.3	1296.4
5°	1315.1	1281.4	1237.6	1184.6	1164.5	1137.3	1109.3	1089.2	1064.1	1041.2	1072.0
7.5°	1140.8	1091.4	1040.5	984.5	952.3	907.8	884.1	838.2	804.5	798.1	771.6
10°	995.3	932.9	874.8	824.6	764.4	722.8	692.7	667.6	644.6	616.7	599.5
12.5°	898.5	828.2	766.5	704.2	675.5	641.1	622.4	598.7	565.8	542.1	519.2
15°	854.7	778.7	711.3	656.8	615.2	583.0	550.0	521.3	485.5	458.9	432.4
17.5°	849.0	750.0	664.7	603.8	558.6	523.5	479.7	441.7	398.0	368.6	346.3
20°	855.5	728.5	621.7	542.1	496.2	434.5	393.7	347.1	304.0	265.3	230.2
22.5°	881.3	717.1	579.4	491.9	423.8	353.5	309.8	250.3	213.7	176.4	162.8
25°	916.4	709.9	542.8	436.7	350.6	281.1	221.6	172.1	155.6	146.3	141.3
27.5°	953.7	697.0	501.9	385.8	291.8	207.2	165.6	144.8	138.4	133.4	129.8
30°	981.7	671.9	451.7	331.3	232.3	177.1	147.7	134.1	129.8	124.1	120.5
32.5°	993.8	633.2	406.6	279.7	195.8	152.0	129.1	121.2	116.9	111.9	109.7
35°	991.7	589.4	383.6	259.6	179.3	134.8	113.3	108.3	102.5	97.5	92.5
37.5°	993.8	549.3	365.7	254.6	172.1	121.9	103.3	99.7	95.4	90.3	86.0
40°	1002.5	527.0	357.1	243.8	166.4	116.9	95.4	91.8	91.1	85.3	81.7
42.5°	1006.0	529.2	352.8	228.7	152.0	115.4	95.4	87.5	87.5	83.2	78.9
45°	1001.7	545.0	355.7	220.1	141.3	108.3	100.4	87.5	85.3	81.7	77.4
47.5°	1014.6	556.4	355.7	218.7	134.1	101.1	95.4	96.1	86.8	82.5	76.0
50°	1067.7	567.2	348.5	216.6	131.9	93.9	90.3	94.7	97.5	83.9	76.7
52.5°	1161.6	580.8	340.6	213.0	129.1	88.2	83.9	88.9	99.7	88.2	76.7
55°	1257.7	605.2	335.6	207.2	124.8	84.6	76.0	85.3	91.1	87.5	76.0
57.5°	1360.3	631.7	330.6	193.6	114.7	81.0	73.1	74.6	81.7	84.6	73.9
59°	1391.1	644.6	326.3	183.6	106.1	78.2	71.0	68.8	73.1	81.0	72.4
60°	1413.3	645.4	321.2	175.0	101.1	76.7	69.6	66.7	68.1	83.2	73.1
62.5°	1415.5	644.6	305.5	157.0	91.1	73.9	67.4	63.8	62.4	69.6	74.6
65°	1326.6	614.5	276.8	147.7	91.8	71.0	63.8	61.0	58.1	59.5	64.5
67.5°	1160.2	537.1	246.7	149.9	96.8	68.8	61.0	58.1	55.9	54.5	56.6
70°	877.7	446.0	238.1	154.9	101.1	67.4	56.6	53.8	52.3	51.6	51.6
72.5°	608.1	367.1	228.7	158.5	104.7	66.7	52.3	49.5	48.8	48.0	48.0
75°	391.5	266.7	189.3	134.8	95.4	61.0	47.3	44.5	43.7	43.0	43.7
77.5°	231.6	186.4	139.1	94.7	69.6	48.8	40.9	38.7	38.7	38.7	39.4
80°	128.4	110.4	92.5	61.0	49.5	36.6	33.7	31.6	31.6	32.3	33.7
82.5°	76.7	61.0	52.3	38.7	33.7	25.8	25.1	23.7	24.4	25.1	26.5
85°	50.2	38.7	31.6	25.8	22.9	16.5	14.3	15.1	15.8	17.2	17.9
87.5°	28.0	21.5	17.2	15.1	13.6	7.2	5.7	5.7	7.2	8.6	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P227240
 CATALOG NUMBER: IST-AF-1000-LED-E1-SLL-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°



NUMBER: P227240
 NUMBER: IST-AF-1000-LED-E1-SLL-8030

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

160°	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	110°	160°
1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	110°	0.0
1306.5	1285.7	1263.5	1247.0	1254.1	1230.5	1232.6	1226.2	1223.3	1221.9	1206.8	112.5°	0.0
1034.7	1042.6	1009.6	1013.2	1023.2	998.9	982.4	1009.6	1006.0	981.7	995.3	115°	0.0
745.7	747.9	732.8	699.1	699.1	717.1	723.5	736.4	745.0	775.1	756.5	117.5°	0.0
570.1	550.0	534.9	519.9	511.3	493.3	497.6	513.4	523.5	540.7	554.3	120°	0.0
495.5	473.3	446.7	423.8	411.6	395.1	384.3	380.8	384.3	373.6	374.3	122.5°	0.0
411.6	391.5	362.1	349.9	327.0	314.1	306.9	297.6	290.4	275.4	268.9	125°	0.0
319.1	292.6	262.4	262.4	246.0	235.2	232.3	230.2	225.9	218.0	210.1	127.5°	0.0
212.3	195.0	177.8	169.2	170.7	169.2	164.9	172.1	172.1	175.0	173.5	130°	0.0
154.9	152.0	145.6	140.5	137.7	137.0	137.7	139.8	144.1	147.7	151.3	132.5°	0.0
139.1	137.7	131.9	126.9	126.2	124.8	124.8	126.9	127.6	128.4	127.6	135°	0.0
129.1	126.2	121.2	117.6	116.2	115.4	116.2	114.0	112.6	113.3	112.6	137.5°	0.0
116.9	114.7	109.7	106.8	106.1	106.1	104.0	103.3	101.8	102.5	101.8	140°	0.0
107.6	104.7	99.7	96.1	96.1	95.4	96.1	95.4	94.7	93.9	93.9	142.5°	0.0
90.3	89.6	84.6	83.2	83.9	86.0	86.0	86.0	86.8	86.0	86.0	145°	0.0
83.9	83.2	78.2	74.6	73.9	73.9	73.9	75.3	77.4	78.2	79.6	147.5°	0.0
79.6	78.9	73.9	71.0	69.6	68.8	68.1	68.1	68.8	71.7	73.9	150°	0.0
76.7	75.3	70.3	66.7	66.0	65.3	64.5	64.5	64.5	65.3	67.4	152.5°	0.0
75.3	73.1	67.4	63.8	62.4	61.7	61.7	62.4	61.7	61.7	61.7	155°	0.0
73.1	71.7	66.0	61.7	60.2	60.2	59.5	59.5	59.5	58.1	58.1	157.5°	0.0
72.4	70.3	64.5	60.2	58.8	58.1	57.4	58.1	56.6	55.9	55.2	160°	0.0
71.0	68.1	61.7	58.1	57.4	55.9	55.2	55.2	55.2	53.8	53.8	162.5°	0.0
70.3	66.7	60.2	56.6	55.2	53.8	53.1	53.1	54.5	53.1	53.1	165°	0.0
69.6	64.5	58.1	53.8	53.1	51.6	50.9	51.6	53.8	52.3	51.6	167.5°	0.0
66.7	63.1	56.6	53.1	51.6	50.2	49.5	50.2	51.6	51.6	51.6	170°	0.0
65.3	61.7	55.2	51.6	50.9	49.5	48.8	48.8	50.9	50.9	50.2	172.5°	0.0
63.1	60.2	53.8	49.5	48.0	48.0	47.3	47.3	48.0	48.0	48.8	175°	0.0
60.2	58.8	52.3	47.3	46.6	45.9	45.9	45.9	45.9	47.3	47.3	177.5°	0.0
57.4	56.6	50.2	45.9	44.5	44.5	44.5	44.5	44.5	45.2	45.9	180°	0.0
53.1	53.1	47.3	43.0	42.3	41.6	41.6	41.6	41.6	42.3	43.0		
48.8	49.5	43.7	39.4	38.7	38.7	38.7	38.7	39.4	39.4	40.2		
44.5	45.2	39.4	35.1	35.1	35.1	35.1	35.1	35.1	35.1	36.6		
40.2	40.2	33.7	29.4	30.1	30.8	31.6	30.8	30.8	31.6	33.7		
34.4	33.7	28.0	24.4	24.4	25.8	26.5	25.8	26.5	26.5	29.4		
27.2	27.2	21.5	17.9	17.9	20.8	20.8	20.8	21.5	22.2	24.4		
20.8	20.1	15.1	12.2	12.2	14.3	15.1	15.8	16.5	17.2	18.6		
12.2	12.2	7.9	5.0	5.7	6.5	8.6	8.6	8.6	10.0	12.2		
0.0	0.7	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	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	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	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		

'227240
 IST-AF-1000-LED-E1-SLL-8030

REPORT NUMBER: P227240
 CATALOG NUMBER: IST-AF-10

TION (continued):

CANDELA DISTRIBUTION (con

165°	170°	175°	180°	185°	190°	195°	200°	205°	210°		215°	220°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	1407.6	1407.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1219.7	1219.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	1001.0	994.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	775.9	799.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	559.3	575.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	389.4	398.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	268.2	285.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	208.7	210.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	172.1	173.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	152.7	155.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	128.4	131.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	113.3	116.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	104.0	105.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	94.7	94.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	86.8	87.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	81.0	82.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	76.0	76.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	68.8	70.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	62.4	63.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	58.1	58.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	55.2	55.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	53.8	54.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	53.1	54.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	53.1	53.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	52.3	53.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	52.3	53.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	50.2	51.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	48.8	50.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	46.6	48.8
										70°	44.5	46.6
										72.5°	41.6	44.5
										75°	38.7	40.9
										77.5°	35.1	37.3
										80°	30.8	31.6
										82.5°	25.8	25.8
										85°	19.4	17.2
										87.5°	10.8	11.5
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	0.0	0.0
										97.5°	0.0	0.0
										100°	0.0	0.0
										102.5°	0.0	0.0
										105°	0.0	0.0
										107.5°	0.0	0.0



REPORT NUMBER: P227240

CATALOG NUMBER: IST-AF-1000-LED-E1

00-LED-E1-SLL-8030

tinued):

CANDELA DISTRIBUTION (continued):

225°	230°	235°	240°	245°	250°	255°	260°	265°		215°	220°	225°
1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	110°	0.0	0.0	0.0
1203.9	1203.9	1225.5	1227.6	1202.5	1209.0	1221.2	1206.8	1222.6	112.5°	0.0	0.0	0.0
1010.3	1001.7	1002.5	996.7	1006.8	995.3	1007.5	1003.2	999.6	115°	0.0	0.0	0.0
784.5	799.5	788.8	768.0	784.5	771.6	747.2	749.3	722.1	117.5°	0.0	0.0	0.0
589.4	578.7	572.9	562.9	536.4	541.4	514.1	518.4	527.8	120°	0.0	0.0	0.0
406.6	398.7	408.0	401.6	390.8	392.9	398.7	404.4	419.5	122.5°	0.0	0.0	0.0
285.4	281.8	279.7	284.0	296.1	302.6	311.9	329.1	337.7	125°	0.0	0.0	0.0
214.4	215.1	213.0	219.4	229.5	234.5	236.6	238.1	248.1	127.5°	0.0	0.0	0.0
177.1	180.0	179.3	181.4	178.5	175.7	177.8	173.5	169.9	130°	0.0	0.0	0.0
154.9	155.6	152.0	151.3	147.0	143.4	140.5	140.5	139.1	132.5°	0.0	0.0	0.0
131.2	131.9	128.4	128.4	127.6	129.8	128.4	125.5	124.8	135°	0.0	0.0	0.0
117.6	116.2	114.0	114.0	112.6	112.6	113.3	114.0	113.3	137.5°	0.0	0.0	0.0
105.4	104.0	103.3	104.0	103.3	104.0	104.7	104.0	104.7	140°	0.0	0.0	0.0
96.8	95.4	95.4	96.1	95.4	96.1	96.1	96.1	95.4	142.5°	0.0	0.0	0.0
89.6	88.2	88.2	88.2	87.5	86.0	84.6	82.5	80.3	145°	0.0	0.0	0.0
83.9	83.2	81.7	81.0	78.9	74.6	73.1	73.1	73.1	147.5°	0.0	0.0	0.0
78.9	77.4	76.7	73.9	71.0	69.6	69.6	69.6	69.6	150°	0.0	0.0	0.0
72.4	70.3	68.8	68.1	67.4	67.4	66.7	66.7	66.7	152.5°	0.0	0.0	0.0
64.5	63.8	63.8	64.5	64.5	64.5	64.5	63.8	64.5	155°	0.0	0.0	0.0
59.5	59.5	60.2	61.0	61.7	62.4	63.1	62.4	63.1	157.5°	0.0	0.0	0.0
57.4	57.4	57.4	58.8	59.5	60.2	61.7	61.7	61.7	160°	0.0	0.0	0.0
55.9	55.9	56.6	57.4	58.1	58.8	59.5	60.2	61.0	162.5°	0.0	0.0	0.0
55.2	55.9	55.2	55.9	56.6	58.1	58.8	58.8	59.5	165°	0.0	0.0	0.0
55.2	55.2	55.2	55.2	56.6	57.4	56.6	57.4	58.1	167.5°	0.0	0.0	0.0
55.2	55.2	54.5	55.2	55.9	56.6	55.9	55.9	57.4	170°	0.0	0.0	0.0
54.5	55.2	54.5	54.5	55.2	55.9	55.2	55.9	56.6	172.5°	0.0	0.0	0.0
53.1	53.8	53.1	53.8	53.8	54.5	54.5	54.5	55.2	175°	0.0	0.0	0.0
51.6	51.6	51.6	52.3	52.3	53.1	53.1	53.8	53.1	177.5°	0.0	0.0	0.0
50.2	50.2	50.2	50.9	50.9	51.6	52.3	51.6	51.6	180°	0.0	0.0	0.0
48.8	48.0	47.3	48.0	48.8	48.8	49.5	48.8	49.5				
46.6	45.9	45.2	45.2	45.9	45.9	46.6	45.9	45.9				
43.0	43.0	41.6	41.6	41.6	41.6	42.3	41.6	40.9				
38.7	38.7	37.3	37.3	37.3	37.3	36.6	36.6	36.6				
32.3	33.0	33.0	32.3	32.3	31.6	31.6	30.8	30.1				
24.4	25.8	26.5	26.5	26.5	26.5	26.5	25.1	23.7				
17.2	19.4	21.5	21.5	20.8	20.8	20.8	18.6	16.5				
10.8	12.9	13.6	15.1	12.9	12.2	12.2	10.8	10.0				
0.0	0.0	1.4	0.7	2.2	2.2	2.9	1.4	0.7				
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	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	0.0	0.0	0.0	0.0	0.0	0.0				



REPORT NUMBER: P227240

CATALOG NUMBER: IST-AF-1000-LED-E1-SLL-8030

-SLL-8030

CANDELA DISTRIBUTION (continued):

230°	235°	240°	245°	250°	255°	260°	265°		270°	275°	280°	285°
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°	1407.6	1407.6	1407.6	1407.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1209.0	1235.5	1239.1	1242.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°	993.8	1020.4	1005.3	1011.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°	725.7	708.5	730.7	744.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°	529.9	550.0	558.6	574.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°	439.6	452.5	468.2	493.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°	356.4	365.7	385.8	410.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°	259.6	273.2	286.1	306.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°	174.2	180.0	195.8	205.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°	139.8	142.0	144.8	152.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°	125.5	126.9	129.1	131.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°	114.0	114.7	116.9	118.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°	104.0	103.3	104.0	106.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°	93.2	93.2	94.7	94.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°	80.3	79.6	81.0	83.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°	73.9	74.6	76.0	77.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°	70.3	71.0	72.4	73.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°	66.7	68.1	69.6	71.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°	64.5	66.0	68.1	70.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°	63.8	65.3	67.4	70.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°	62.4	64.5	66.7	69.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°	62.4	63.8	66.0	69.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°	60.2	62.4	64.5	68.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°	58.8	60.2	63.1	67.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59°	58.1	59.5	62.4	66.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°	56.6	58.8	61.7	66.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°	55.2	57.4	60.2	64.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°	53.1	55.9	58.8	61.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°	51.6	53.1	55.9	58.8
								70°	48.8	50.2	52.3	54.5
								72.5°	45.2	45.9	47.3	49.5
								75°	40.2	40.9	41.6	43.7
								77.5°	35.1	35.1	35.9	38.7
								80°	29.4	29.4	30.1	31.6
								82.5°	22.2	22.2	23.7	25.8
								85°	15.8	15.1	17.2	18.6
								87.5°	9.3	8.6	9.3	9.3
								90°	0.7	2.2	1.4	1.4
								92.5°	0.0	0.0	0.0	0.0
								95°	0.0	0.0	0.0	0.0
								97.5°	0.0	0.0	0.0	0.0
								100°	0.0	0.0	0.0	0.0
								102.5°	0.0	0.0	0.0	0.0
								105°	0.0	0.0	0.0	0.0
								107.5°	0.0	0.0	0.0	0.0



REPORT NUMBER: P227240

CATALOG NUMBER: IST-AF-1000-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

290°	295°	300°	305°	310°	315°	320°		270°	275°	280°	285°	290°
1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	110°	0.0	0.0	0.0	0.0	0.0
1257.0	1249.8	1255.6	1277.8	1285.7	1295.7	1329.4	112.5°	0.0	0.0	0.0	0.0	0.0
1027.5	1036.9	1027.5	1072.7	1074.9	1105.0	1117.2	115°	0.0	0.0	0.0	0.0	0.0
755.1	767.3	787.3	817.4	826.1	869.1	905.6	117.5°	0.0	0.0	0.0	0.0	0.0
589.4	605.2	633.2	651.8	670.5	695.5	724.9	120°	0.0	0.0	0.0	0.0	0.0
523.5	539.9	564.3	588.0	614.5	633.9	658.3	122.5°	0.0	0.0	0.0	0.0	0.0
437.4	463.2	486.9	517.7	539.9	575.1	603.8	125°	0.0	0.0	0.0	0.0	0.0
334.2	370.0	393.7	431.0	464.7	495.5	534.2	127.5°	0.0	0.0	0.0	0.0	0.0
232.3	260.3	290.4	330.6	374.3	416.6	468.2	130°	0.0	0.0	0.0	0.0	0.0
159.9	175.0	197.9	239.5	284.7	345.6	401.6	132.5°	0.0	0.0	0.0	0.0	0.0
136.2	142.0	150.6	170.7	208.7	275.4	337.0	135°	0.0	0.0	0.0	0.0	0.0
121.2	125.5	131.2	141.3	161.3	207.2	275.4	137.5°	0.0	0.0	0.0	0.0	0.0
111.1	116.2	121.9	129.1	139.8	171.4	222.3	140°	0.0	0.0	0.0	0.0	0.0
97.5	101.1	106.1	114.0	121.9	147.0	196.5	142.5°	0.0	0.0	0.0	0.0	0.0
86.0	90.3	96.8	102.5	110.4	130.5	178.5	145°	0.0	0.0	0.0	0.0	0.0
80.3	84.6	90.3	95.4	101.1	117.6	165.6	147.5°	0.0	0.0	0.0	0.0	0.0
76.7	81.0	86.8	91.1	94.7	113.3	160.6	150°	0.0	0.0	0.0	0.0	0.0
74.6	79.6	84.6	87.5	94.7	115.4	148.4	152.5°	0.0	0.0	0.0	0.0	0.0
73.9	78.9	84.6	89.6	104.0	109.0	140.5	155°	0.0	0.0	0.0	0.0	0.0
74.6	78.9	86.0	100.4	101.1	103.3	131.9	157.5°	0.0	0.0	0.0	0.0	0.0
74.6	81.0	96.1	104.7	96.1	97.5	124.1	160°	0.0	0.0	0.0	0.0	0.0
75.3	83.9	99.7	97.5	93.2	91.1	115.4	162.5°	0.0	0.0	0.0	0.0	0.0
75.3	82.5	95.4	91.8	86.0	86.8	105.4	165°	0.0	0.0	0.0	0.0	0.0
73.1	82.5	91.8	83.2	78.9	82.5	96.8	167.5°	0.0	0.0	0.0	0.0	0.0
71.7	84.6	81.7	76.7	76.7	80.3	92.5	170°	0.0	0.0	0.0	0.0	0.0
71.0	86.8	77.4	74.6	74.6	79.6	90.3	172.5°	0.0	0.0	0.0	0.0	0.0
68.8	81.0	71.0	69.6	71.7	75.3	87.5	175°	0.0	0.0	0.0	0.0	0.0
64.5	67.4	65.3	65.3	68.1	72.4	86.0	177.5°	0.0	0.0	0.0	0.0	0.0
59.5	61.0	61.0	61.7	64.5	68.1	87.5	180°	0.0	0.0	0.0	0.0	0.0
55.2	55.2	56.6	57.4	59.5	64.5	83.9						
50.2	50.9	50.9	52.3	53.8	58.8	81.0						
44.5	44.5	45.9	45.9	48.0	53.1	72.4						
38.7	38.7	38.7	39.4	40.9	45.9	59.5						
32.3	32.3	32.3	33.0	33.7	38.0	45.2						
25.8	25.1	24.4	24.4	25.8	29.4	35.1						
17.9	17.9	17.2	17.2	17.2	19.4	23.7						
10.0	8.6	9.3	10.0	9.3	10.8	12.9						
0.7	1.4	2.2	2.9	2.9	2.9	4.3						
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	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	0.0	0.0	0.0	0.0						



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CANDELA DISTRIBUTION (continued):

295°	300°	305°	310°	315°	320°		325°	330°	335°	340°	345°	350°
0.0	0.0	0.0	0.0	0.0	0.0	0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
0.0	0.0	0.0	0.0	0.0	0.0	2.5°	1325.1	1343.8	1373.2	1378.9	1402.6	1419.1
0.0	0.0	0.0	0.0	0.0	0.0	5°	1122.9	1167.4	1183.2	1214.0	1267.8	1295.0
0.0	0.0	0.0	0.0	0.0	0.0	7.5°	926.4	960.1	998.1	1047.6	1087.1	1133.7
0.0	0.0	0.0	0.0	0.0	0.0	10°	762.2	810.3	859.8	899.9	955.1	1011.1
0.0	0.0	0.0	0.0	0.0	0.0	12.5°	676.9	703.4	752.2	808.8	877.7	940.1
0.0	0.0	0.0	0.0	0.0	0.0	15°	632.4	664.0	716.3	776.6	849.7	927.2
0.0	0.0	0.0	0.0	0.0	0.0	17.5°	577.2	627.4	686.9	773.0	867.6	975.2
0.0	0.0	0.0	0.0	0.0	0.0	20°	522.7	583.7	661.8	775.1	906.4	1046.2
0.0	0.0	0.0	0.0	0.0	0.0	22.5°	474.7	547.1	646.1	788.1	955.8	1142.3
0.0	0.0	0.0	0.0	0.0	0.0	25°	418.0	514.8	633.9	814.6	1031.9	1271.3
0.0	0.0	0.0	0.0	0.0	0.0	27.5°	372.9	484.0	616.0	837.5	1101.4	1395.4
0.0	0.0	0.0	0.0	0.0	0.0	30°	322.7	448.2	590.9	845.4	1186.0	1497.2
0.0	0.0	0.0	0.0	0.0	0.0	32.5°	282.5	414.5	562.2	838.2	1224.0	1568.2
0.0	0.0	0.0	0.0	0.0	0.0	35°	263.2	390.1	537.8	813.1	1255.6	1644.9
0.0	0.0	0.0	0.0	0.0	0.0	37.5°	250.3	363.5	514.1	771.6	1291.4	1720.9
0.0	0.0	0.0	0.0	0.0	0.0	40°	233.8	342.8	494.8	741.4	1319.4	1784.0
0.0	0.0	0.0	0.0	0.0	0.0	42.5°	218.7	324.1	479.7	714.9	1326.6	1840.7
0.0	0.0	0.0	0.0	0.0	0.0	45°	205.8	312.6	468.2	716.3	1331.6	1919.6
0.0	0.0	0.0	0.0	0.0	0.0	47.5°	195.8	301.9	463.9	740.7	1384.6	2029.3
0.0	0.0	0.0	0.0	0.0	0.0	50°	186.4	292.6	456.8	788.1	1470.0	2177.7
0.0	0.0	0.0	0.0	0.0	0.0	52.5°	175.7	279.7	447.4	836.8	1563.2	2376.3
0.0	0.0	0.0	0.0	0.0	0.0	55°	161.3	262.4	437.4	877.7	1690.1	2618.0
0.0	0.0	0.0	0.0	0.0	0.0	57.5°	139.1	242.4	431.0	898.5	1768.3	2757.1
0.0	0.0	0.0	0.0	0.0	0.0	59°	127.6	223.0	427.4	888.4	1789.1	2780.8
0.0	0.0	0.0	0.0	0.0	0.0	60°	121.2	211.5	421.6	876.2	1794.8	2765.7
0.0	0.0	0.0	0.0	0.0	0.0	62.5°	112.6	184.3	398.0	815.3	1714.5	2583.6
0.0	0.0	0.0	0.0	0.0	0.0	65°	114.7	174.2	344.2	694.1	1530.2	2227.9
0.0	0.0	0.0	0.0	0.0	0.0	67.5°	117.6	169.9	297.6	560.7	1219.7	1843.6
						70°	115.4	167.8	270.3	446.0	913.5	1380.3
						72.5°	112.6	158.5	234.5	358.5	579.4	966.6
						75°	99.7	133.4	184.3	246.0	365.7	704.2
						77.5°	78.2	102.5	130.5	152.7	185.7	496.9
						80°	57.4	74.6	85.3	91.8	103.3	339.2
						82.5°	40.9	50.2	54.5	58.1	68.8	253.8
						85°	30.8	35.1	38.0	38.0	46.6	179.3
						87.5°	17.2	17.9	17.9	19.4	22.9	48.8
						90°	5.0	5.0	4.3	5.0	3.6	2.9
						92.5°	0.0	0.0	0.0	0.0	0.0	0.0
						95°	0.0	0.0	0.0	0.0	0.0	0.0
						97.5°	0.0	0.0	0.0	0.0	0.0	0.0
						100°	0.0	0.0	0.0	0.0	0.0	0.0
						102.5°	0.0	0.0	0.0	0.0	0.0	0.0
						105°	0.0	0.0	0.0	0.0	0.0	0.0
						107.5°	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

355°	359°	360°		325°	330°	335°	340°	345°	350°	355°
1407.6	1407.6	1407.6	110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1437.7	1448.5	1457.1	112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1336.6	1363.1	1368.2	115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1185.3	1228.3	1243.4	117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1074.2	1120.8	1136.5	120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1013.2	1067.7	1084.9	122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1014.6	1079.9	1105.0	125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1080.6	1155.2	1186.0	127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1193.9	1302.2	1325.1	130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1347.4	1453.5	1487.9	132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1491.5	1632.0	1658.6	135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1633.5	1772.6	1796.2	137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1743.2	1888.7	1908.8	140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1848.6	2012.8	2035.0	142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1966.2	2147.6	2173.4	145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2072.3	2280.3	2296.7	147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2189.9	2388.5	2392.8	150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2286.0	2468.8	2470.3	152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2379.2	2544.1	2544.8	155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2476.7	2626.6	2615.8	157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2630.9	2724.1	2734.9	160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2865.4	2948.6	2960.7	162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3137.9	3253.3	3236.8	165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3253.3	3385.2	3398.9	167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3233.9	3413.9	3436.9	170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3203.1	3405.3	3433.3	172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3028.1	3315.7	3359.4	175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2734.2	3130.0	3191.6	177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2356.3	2852.5	2901.9	180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1838.5	2318.3	2360.6								
1221.9	1591.9	1665.0								
776.6	1026.8	1013.2								
572.9	667.6	668.3								
415.9	458.2	453.2								
322.0	279.7	278.9								
112.6	99.0	96.8								
48.8	40.9	41.6								
2.2	2.2	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								

