

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P936096

Luminaire Tested: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936096
REPORT IS A COMBINATION OF REPORTS P933780 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

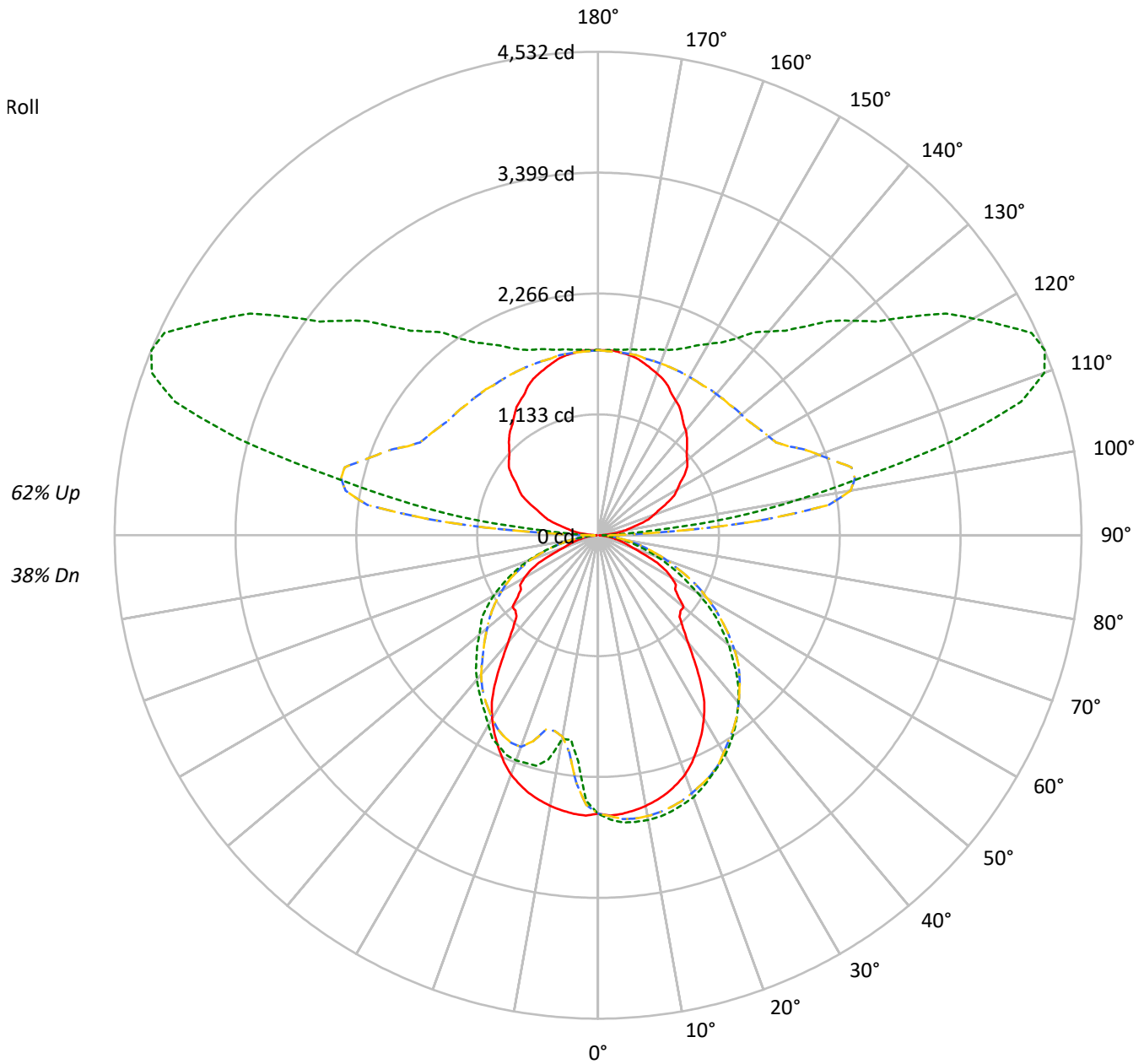
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18024.3 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 144.8
Input Voltage (V): NR
Input Current (A_{in}): 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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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12104	12104	12104	12104
5°	12194	12218	12194	9607
10°	12112	12035	12112	8604
15°	11981	11775	11981	9832
20°	11731	11466	11731	9853
25°	11217	11015	11217	9644
30°	10554	10641	10554	9186
35°	9409	10168	9409	8681
40°	7840	9611	7840	8301
45°	7005	8959	7005	7863
50°	7443	8182	7443	7424
55°	7002	7344	7002	7170
60°	7218	6237	7218	6567
65°	6544	5156	6544	5763
70°	4531	4109	4531	4831
75°	3973	3037	3973	3637
80°	3201	2008	3201	2187
85°	1840	1063	1840	904

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10737 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.5	1.3
10°-20°	668.6	3.7
20°-30°	1033.5	5.7
30°-40°	1233.8	6.8
40°-50°	1241.1	6.9
50°-60°	1079.9	6.0
60°-70°	765.6	4.2
70°-80°	405.1	2.2
80°-90°	107.5	0.6
90°-100°	846.2	4.7
100°-110°	2224.7	12.3
110°-120°	2306.8	12.8
120°-130°	1850.3	10.3
130°-140°	1451.9	8.1
140°-150°	1114.3	6.2
150°-160°	802.5	4.5
160°-170°	491.0	2.7
170°-180°	165.9	0.9
0°-30°	1937.6	10.8
0°-40°	3171.5	17.6
0°-60°	5492.4	30.5
0°-90°	6770.7	37.6
90°-120°	5377.7	29.8
90°-150°	9794.2	54.3
90°-180°	11254.0	62.4
0°-180°	18024.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2609	2609	2609	2609	2609	
5°	2621	2702	2621	2125	2621	249
15°	2503	2678	2503	2236	2503	704
25°	2204	2498	2204	2187	2204	1012
35°	1676	2229	1676	1903	1676	1037
45°	1081	1836	1081	1612	1081	866
55°	881	1355	881	1323	881	810
65°	612	817	612	913	612	585
75°	232	388	232	464	232	244
85°	40	99	40	84	40	53
90°	12	44	12	44	12	11
95°	112	512	112	512	112	124
105°	401	3484	401	3484	401	425
115°	712	4486	712	4486	712	703
125°	990	3572	990	3572	990	879
135°	1180	2772	1180	2772	1180	913
145°	1369	2249	1369	2249	1369	858
155°	1547	1936	1547	1936	1547	711
165°	1670	1804	1670	1804	1670	471
175°	1736	1748	1736	1748	1736	165
180°	1736	1736	1736	1736	1736	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2631.0	2631.0	2645.7	2650.7	2650.7	2643.3	2635.9	2643.3	2665.5	2672.9	2670.5
5°	2621.1	2640.8	2668.0	2672.9	2677.9	2675.3	2670.5	2675.3	2700.1	2705.1	2707.5
7.5°	2601.4	2638.4	2672.9	2680.3	2687.8	2680.3	2677.9	2682.8	2707.5	2712.4	2712.4
10°	2576.6	2628.5	2668.0	2672.9	2680.3	2672.9	2672.9	2682.8	2707.5	2712.4	2714.9
12.5°	2542.1	2613.7	2650.7	2655.6	2665.5	2663.0	2660.6	2670.5	2695.2	2700.1	2700.1
15°	2502.7	2586.5	2621.1	2626.0	2643.3	2638.4	2638.4	2648.3	2675.3	2682.8	2680.3
17.5°	2448.3	2552.0	2591.5	2598.9	2611.2	2608.8	2611.2	2621.1	2645.7	2650.7	2653.2
20°	2386.7	2505.1	2552.0	2559.3	2571.8	2571.8	2571.8	2584.1	2608.8	2618.7	2618.7
22.5°	2302.7	2455.8	2505.1	2510.0	2524.8	2524.8	2529.7	2547.0	2569.2	2571.8	2571.8
25°	2204.0	2401.4	2443.3	2458.2	2473.0	2480.4	2487.8	2497.7	2505.1	2502.7	2505.1
27.5°	2100.3	2332.3	2386.7	2396.5	2416.3	2423.6	2433.5	2436.0	2438.5	2445.9	2440.9
30°	1984.3	2236.1	2317.5	2327.4	2359.5	2364.4	2354.5	2359.5	2371.8	2376.7	2381.7
32.5°	1853.5	2092.9	2246.0	2268.1	2297.7	2283.0	2280.5	2287.9	2307.6	2307.6	2312.6
35°	1675.8	1981.9	2179.3	2199.0	2221.2	2204.0	2213.9	2216.3	2228.7	2236.1	2233.6
37.5°	1480.9	1885.6	2110.2	2125.0	2142.3	2120.1	2134.8	2142.3	2152.1	2147.3	2147.3
40°	1308.1	1735.1	2028.7	2038.6	2053.4	2036.1	2051.0	2055.9	2060.9	2055.9	2053.4
42.5°	1179.7	1569.7	1942.3	1954.7	1944.9	1957.2	1962.1	1972.0	1964.6	1954.7	1954.7
45°	1081.0	1525.2	1848.6	1863.4	1848.6	1868.4	1875.8	1875.8	1853.5	1848.6	1846.1
47.5°	1049.0	1436.4	1754.8	1754.8	1747.4	1772.1	1784.4	1767.1	1744.9	1737.5	1737.5
50°	1046.5	1337.7	1626.5	1616.6	1651.1	1680.7	1668.4	1651.1	1633.8	1606.7	1606.7
52.5°	950.3	1216.7	1461.1	1498.1	1552.4	1569.7	1550.0	1532.7	1503.1	1490.8	1480.9
55°	881.1	1090.9	1310.6	1384.6	1441.3	1463.6	1426.5	1409.3	1364.9	1357.5	1352.5
57.5°	866.3	908.2	1172.4	1266.1	1335.2	1332.7	1310.6	1278.5	1241.5	1234.0	1231.6
60°	794.7	656.5	1024.2	1135.3	1206.9	1199.4	1179.7	1150.1	1115.6	1110.6	1105.7
62.5°	720.7	476.3	856.4	982.3	1083.4	1081.0	1063.7	1019.3	994.6	982.3	972.4
65°	612.1	399.8	609.6	817.0	962.6	967.4	930.5	898.4	871.2	856.4	854.0
67.5°	466.4	325.8	412.2	681.2	846.6	841.6	794.7	779.9	745.3	738.0	723.1
70°	345.5	217.2	286.3	552.8	733.0	720.7	683.7	666.4	634.3	617.0	607.1
72.5°	286.3	175.2	209.8	429.5	617.0	602.2	570.1	550.4	523.2	508.4	498.6
75°	232.0	185.1	160.5	318.4	501.0	491.2	461.5	441.8	419.6	399.8	402.3
77.5°	170.3	172.8	128.3	234.4	397.3	382.6	365.3	340.6	330.7	311.0	311.0
80°	128.3	135.7	96.3	160.5	286.3	286.3	271.5	254.2	237.0	227.1	227.1
82.5°	86.4	86.4	71.5	101.2	195.0	187.5	177.7	172.8	162.9	157.9	157.9
85°	39.5	49.3	44.5	61.7	106.1	111.1	111.1	106.1	103.7	98.7	101.2
87.5°	12.3	22.2	27.2	34.6	54.3	56.8	59.2	59.2	59.2	61.7	61.7
90°	11.7	21.0	30.3	32.6	51.3	76.1	88.5	78.7	59.0	44.3	44.3
92.5°	46.6	125.8	205.1	224.9	316.2	437.9	498.7	437.0	313.8	221.4	212.6
95°	111.9	256.8	401.8	438.0	777.8	1230.9	1457.5	1300.6	986.9	751.5	724.8
97.5°	193.4	321.3	449.3	481.2	1047.9	1803.4	2181.1	2081.9	1883.6	1734.8	1684.1
100°	256.3	372.3	488.3	517.3	1146.1	1984.4	2403.6	2410.8	2425.3	2436.2	2375.7
102.5°	309.9	418.2	526.3	553.4	1191.1	2041.4	2466.5	2592.9	2845.5	3035.0	2983.3
105°	400.8	492.4	584.1	607.0	1224.5	2047.8	2459.5	2742.8	3309.3	3734.1	3706.3
107.5°	494.0	579.5	664.8	686.2	1230.7	1956.7	2319.7	2714.8	3505.0	4097.6	4104.4
110°	556.9	634.1	711.2	730.5	1221.4	1875.9	2203.2	2644.9	3528.3	4190.9	4219.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	618.7	692.2	765.7	784.1	1221.8	1805.3	2097.1	2549.2	3453.3	4131.4	4175.9
115°	711.9	779.7	847.5	864.5	1233.1	1724.4	1970.2	2405.6	3276.6	3929.8	3991.5
117.5°	803.9	865.5	927.2	942.6	1255.9	1673.8	1882.8	2275.8	3061.8	3651.4	3719.8
120°	857.5	915.5	973.5	988.0	1274.6	1656.7	1847.8	2206.9	2925.2	3463.8	3530.3
122.5°	909.9	968.5	1026.9	1041.6	1301.4	1647.9	1821.0	2144.4	2791.2	3276.2	3341.9
125°	990.3	1043.7	1097.0	1110.3	1337.5	1640.4	1791.9	2066.6	2615.9	3028.0	3088.5
127.5°	1055.6	1109.4	1163.3	1176.7	1373.6	1636.2	1767.4	2003.2	2475.0	2828.8	2879.8
130°	1090.5	1148.5	1206.5	1221.0	1400.1	1638.7	1758.1	1968.0	2388.1	2703.0	2750.2
132.5°	1126.7	1184.7	1242.7	1257.2	1421.5	1640.5	1749.9	1937.9	2313.8	2595.8	2638.0
135°	1180.2	1233.1	1285.9	1299.1	1444.7	1638.9	1735.9	1893.4	2208.3	2444.4	2480.7
137.5°	1235.0	1287.3	1339.5	1352.6	1479.6	1649.0	1733.7	1866.8	2132.9	2332.5	2362.3
140°	1280.4	1328.6	1376.7	1388.8	1501.0	1650.7	1725.5	1840.4	2070.4	2242.8	2270.6
142.5°	1315.4	1359.9	1404.5	1415.6	1518.9	1656.6	1725.5	1826.4	2028.4	2179.9	2203.8
145°	1369.0	1407.8	1446.7	1456.4	1542.2	1656.6	1713.8	1796.4	1961.6	2085.5	2103.6
147.5°	1422.6	1460.4	1498.2	1507.7	1576.4	1668.0	1713.8	1778.8	1908.7	2006.2	2021.3
150°	1457.5	1491.7	1525.9	1534.4	1594.2	1673.9	1713.8	1768.7	1878.5	1960.8	1973.0
152.5°	1493.7	1519.5	1545.5	1551.9	1605.9	1677.8	1713.8	1760.7	1854.4	1924.7	1933.8
155°	1547.3	1566.4	1585.6	1590.3	1631.5	1686.3	1713.8	1751.1	1825.7	1881.6	1887.7
157.5°	1586.9	1605.5	1624.1	1628.8	1657.1	1694.9	1713.8	1742.8	1800.8	1844.4	1848.7
160°	1613.7	1628.1	1642.6	1646.3	1668.8	1698.8	1713.8	1738.6	1788.4	1825.7	1828.1
162.5°	1640.5	1651.3	1662.2	1664.9	1681.2	1703.0	1713.8	1734.8	1776.7	1808.2	1810.6
165°	1669.5	1679.3	1689.2	1691.7	1699.0	1708.8	1713.8	1728.8	1758.9	1781.4	1783.8
167.5°	1696.3	1701.0	1705.7	1706.9	1713.0	1721.4	1725.5	1735.3	1755.0	1769.7	1770.8
170°	1713.8	1718.5	1723.1	1724.4	1724.7	1725.2	1725.5	1735.3	1755.0	1769.7	1769.7
172.5°	1723.1	1724.2	1725.2	1725.5	1725.5	1725.5	1725.5	1733.2	1748.7	1760.4	1759.5
175°	1735.9	1735.9	1735.9	1735.9	1732.5	1727.8	1725.5	1730.4	1740.2	1747.6	1747.6
177.5°	1735.9	1735.9	1735.9	1735.9	1733.2	1729.6	1727.8	1731.7	1739.5	1745.3	1744.2
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2675.3	2668.0	2675.3	2670.5	2672.9	2665.5	2643.3	2635.9	2643.3	2650.7	2650.7
5°	2707.5	2702.5	2707.5	2707.5	2705.1	2700.1	2675.3	2670.5	2675.3	2677.9	2672.9
7.5°	2717.4	2709.9	2717.4	2712.4	2712.4	2707.5	2682.8	2677.9	2680.3	2687.8	2680.3
10°	2717.4	2709.9	2717.4	2714.9	2712.4	2707.5	2682.8	2672.9	2672.9	2680.3	2672.9
12.5°	2705.1	2700.1	2705.1	2700.1	2700.1	2695.2	2670.5	2660.6	2663.0	2665.5	2655.6
15°	2685.2	2677.9	2685.2	2680.3	2682.8	2675.3	2648.3	2638.4	2638.4	2643.3	2626.0
17.5°	2655.6	2645.7	2655.6	2653.2	2650.7	2645.7	2621.1	2611.2	2608.8	2611.2	2598.9
20°	2621.1	2613.7	2621.1	2618.7	2618.7	2608.8	2584.1	2571.8	2571.8	2571.8	2559.3
22.5°	2566.8	2559.3	2566.8	2571.8	2571.8	2569.2	2547.0	2529.7	2524.8	2524.8	2510.0
25°	2505.1	2497.7	2505.1	2505.1	2502.7	2505.1	2497.7	2487.8	2480.4	2473.0	2458.2
27.5°	2445.9	2440.9	2445.9	2440.9	2445.9	2438.5	2436.0	2433.5	2423.6	2416.3	2396.5
30°	2386.7	2381.7	2386.7	2381.7	2376.7	2371.8	2359.5	2354.5	2364.4	2359.5	2327.4
32.5°	2312.6	2307.6	2312.6	2312.6	2307.6	2307.6	2287.9	2280.5	2283.0	2297.7	2268.1
35°	2236.1	2228.7	2236.1	2233.6	2236.1	2228.7	2216.3	2213.9	2204.0	2221.2	2199.0
37.5°	2147.3	2139.8	2147.3	2147.3	2147.3	2152.1	2142.3	2134.8	2120.1	2142.3	2125.0
40°	2055.9	2046.0	2055.9	2053.4	2055.9	2060.9	2055.9	2051.0	2036.1	2053.4	2038.6
42.5°	1952.2	1949.8	1952.2	1954.7	1954.7	1964.6	1972.0	1962.1	1957.2	1944.9	1954.7
45°	1841.2	1836.2	1841.2	1846.1	1848.6	1853.5	1875.8	1875.8	1868.4	1848.6	1863.4
47.5°	1722.7	1710.3	1722.7	1737.5	1737.5	1744.9	1767.1	1784.4	1772.1	1747.4	1754.8
50°	1596.9	1599.3	1596.9	1606.7	1606.7	1633.8	1651.1	1668.4	1680.7	1651.1	1616.6
52.5°	1473.5	1471.0	1473.5	1480.9	1490.8	1503.1	1532.7	1550.0	1569.7	1552.4	1498.1
55°	1350.0	1355.0	1350.0	1352.5	1357.5	1364.9	1409.3	1426.5	1463.6	1441.3	1384.6
57.5°	1226.6	1219.2	1226.6	1231.6	1234.0	1241.5	1278.5	1310.6	1332.7	1335.2	1266.1
60°	1083.4	1073.6	1083.4	1105.7	1110.6	1115.6	1150.1	1179.7	1199.4	1206.9	1135.3
62.5°	957.6	940.4	957.6	972.4	982.3	994.6	1019.3	1063.7	1081.0	1083.4	982.3
65°	824.3	817.0	824.3	854.0	856.4	871.2	898.4	930.5	967.4	962.6	817.0
67.5°	703.4	703.4	703.4	723.1	738.0	745.3	779.9	794.7	841.6	846.6	681.2
70°	592.3	589.9	592.3	607.1	617.0	634.3	666.4	683.7	720.7	733.0	552.8
72.5°	486.2	483.7	486.2	498.6	508.4	523.2	550.4	570.1	602.2	617.0	429.5
75°	392.5	387.5	392.5	402.3	399.8	419.6	441.8	461.5	491.2	501.0	318.4
77.5°	301.1	301.1	301.1	311.0	311.0	330.7	340.6	365.3	382.6	397.3	234.4
80°	224.6	222.1	224.6	227.1	227.1	237.0	254.2	271.5	286.3	286.3	160.5
82.5°	157.9	153.0	157.9	157.9	157.9	162.9	172.8	177.7	187.5	195.0	101.2
85°	98.7	98.7	98.7	101.2	98.7	103.7	106.1	111.1	111.1	106.1	61.7
87.5°	64.2	61.7	64.2	61.7	61.7	59.2	59.2	59.2	56.8	54.3	34.6
90°	44.3	44.3	44.3	44.3	44.3	59.0	78.7	88.5	76.1	51.3	32.6
92.5°	177.4	142.2	177.4	212.6	221.4	313.8	437.0	498.7	437.9	316.2	224.9
95°	618.1	511.5	618.1	724.8	751.5	986.9	1300.6	1457.5	1230.9	777.8	438.0
97.5°	1481.0	1278.1	1481.0	1684.1	1734.8	1883.6	2081.9	2181.1	1803.4	1047.9	481.2
100°	2133.9	1892.1	2133.9	2375.7	2436.2	2425.3	2410.8	2403.6	1984.4	1146.1	517.3
102.5°	2776.1	2569.1	2776.1	2983.3	3035.0	2845.5	2592.9	2466.5	2041.4	1191.1	553.4
105°	3595.0	3483.6	3595.0	3706.3	3734.1	3309.3	2742.8	2459.5	2047.8	1224.5	607.0
107.5°	4131.3	4158.2	4131.3	4104.4	4097.6	3505.0	2714.8	2319.7	1956.7	1230.7	686.2
110°	4335.8	4451.8	4335.8	4219.8	4190.9	3528.3	2644.9	2203.2	1875.9	1221.4	730.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4354.0	4532.1	4354.0	4175.9	4131.4	3453.3	2549.2	2097.1	1805.3	1221.8	784.1
115°	4238.6	4485.5	4238.6	3991.5	3929.8	3276.6	2405.6	1970.2	1724.4	1233.1	864.5
117.5°	3993.8	4267.7	3993.8	3719.8	3651.4	3061.8	2275.8	1882.8	1673.8	1255.9	942.6
120°	3796.5	4062.6	3796.5	3530.3	3463.8	2925.2	2206.9	1847.8	1656.7	1274.6	988.0
122.5°	3604.4	3866.9	3604.4	3341.9	3276.2	2791.2	2144.4	1821.0	1647.9	1301.4	1041.6
125°	3330.4	3572.2	3330.4	3088.5	3028.0	2615.9	2066.6	1791.9	1640.4	1337.5	1110.3
127.5°	3083.9	3287.9	3083.9	2879.8	2828.8	2475.0	2003.2	1767.4	1636.2	1373.6	1176.7
130°	2938.6	3127.1	2938.6	2750.2	2703.0	2388.1	1968.0	1758.1	1638.7	1400.1	1221.0
132.5°	2806.8	2975.6	2806.8	2638.0	2595.8	2313.8	1937.9	1749.9	1640.5	1421.5	1257.2
135°	2626.2	2771.7	2626.2	2480.7	2444.4	2208.3	1893.4	1735.9	1638.9	1444.7	1299.1
137.5°	2481.4	2600.4	2481.4	2362.3	2332.5	2132.9	1866.8	1733.7	1649.0	1479.6	1352.6
140°	2382.0	2493.3	2382.0	2270.6	2242.8	2070.4	1840.4	1725.5	1650.7	1501.0	1388.8
142.5°	2299.6	2395.4	2299.6	2203.8	2179.9	2028.4	1826.4	1725.5	1656.6	1518.9	1415.6
145°	2176.1	2248.6	2176.1	2103.6	2085.5	1961.6	1796.4	1713.8	1656.6	1542.2	1456.4
147.5°	2081.3	2141.4	2081.3	2021.3	2006.2	1908.7	1778.8	1713.8	1668.0	1576.4	1507.7
150°	2021.7	2070.4	2021.7	1973.0	1960.8	1878.5	1768.7	1713.8	1673.9	1594.2	1534.4
152.5°	1970.6	2007.4	1970.6	1933.8	1924.7	1854.4	1760.7	1713.8	1677.8	1605.9	1551.9
155°	1912.1	1936.4	1912.1	1887.7	1881.6	1825.7	1751.1	1713.8	1686.3	1631.5	1590.3
157.5°	1865.7	1882.8	1865.7	1848.7	1844.4	1800.8	1742.8	1713.8	1694.9	1657.1	1628.8
160°	1838.0	1847.8	1838.0	1828.1	1825.7	1788.4	1738.6	1713.8	1698.8	1668.8	1646.3
162.5°	1819.8	1829.1	1819.8	1810.6	1808.2	1776.7	1734.8	1713.8	1703.0	1681.2	1664.9
165°	1793.7	1803.6	1793.7	1783.8	1781.4	1758.9	1728.8	1713.8	1708.8	1699.0	1691.7
167.5°	1775.0	1779.1	1775.0	1770.8	1769.7	1755.0	1735.3	1725.5	1721.4	1713.0	1706.9
170°	1769.7	1769.7	1769.7	1769.7	1769.7	1755.0	1735.3	1725.5	1725.2	1724.7	1724.4
172.5°	1755.9	1752.3	1755.9	1759.5	1760.4	1748.7	1733.2	1725.5	1725.5	1725.5	1725.5
175°	1747.6	1747.6	1747.6	1747.6	1747.6	1740.2	1730.4	1725.5	1727.8	1732.5	1735.9
177.5°	1740.0	1735.9	1740.0	1744.2	1745.3	1739.5	1731.7	1727.8	1729.6	1733.2	1735.9
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2645.7	2631.0	2631.0	2606.3	2596.4	2589.0	2576.6	2539.6	2529.7	2519.9	2534.7
5°	2668.0	2640.8	2621.1	2576.6	2539.6	2524.8	2477.9	2389.1	2329.9	2285.4	2260.7
7.5°	2672.9	2638.4	2601.4	2532.3	2443.3	2403.9	2260.7	2097.9	2053.4	2014.0	1989.2
10°	2668.0	2628.5	2576.6	2473.0	2263.2	2194.2	2051.0	1944.9	1917.7	1910.3	1917.7
12.5°	2650.7	2613.7	2542.1	2369.4	2075.6	2028.7	1944.9	1883.1	1878.2	1890.5	1957.2
15°	2621.1	2586.5	2502.7	2231.1	1972.0	1937.4	1878.2	1856.0	1883.1	1969.5	2169.4
17.5°	2591.5	2552.0	2448.3	2095.4	1893.0	1868.4	1826.3	1870.8	2023.8	2139.8	2206.5
20°	2552.0	2505.1	2386.7	1996.7	1836.2	1814.0	1794.3	1994.2	2110.2	2152.1	2189.2
22.5°	2505.1	2455.8	2302.7	1927.6	1777.0	1759.7	1772.1	2063.3	2110.2	2139.8	2171.9
25°	2443.3	2401.4	2204.0	1873.2	1730.1	1710.3	1757.2	2055.9	2083.0	2090.5	2154.6
27.5°	2386.7	2332.3	2100.3	1823.9	1673.4	1666.0	1769.6	2023.8	2043.6	2051.0	2120.1
30°	2317.5	2236.1	1984.3	1772.1	1614.1	1611.6	1772.1	1984.3	1979.4	1999.1	2068.2
32.5°	2246.0	2092.9	1853.5	1707.9	1557.4	1554.9	1754.8	1925.1	1920.1	1947.3	1999.1
35°	2179.3	1981.9	1675.8	1633.8	1485.8	1488.2	1712.9	1856.0	1858.5	1883.1	1915.3
37.5°	2110.2	1885.6	1480.9	1552.4	1416.7	1416.7	1656.1	1791.8	1786.9	1794.3	1838.7
40°	2028.7	1735.1	1308.1	1446.3	1352.5	1345.1	1587.0	1722.7	1705.4	1703.0	1764.7
42.5°	1942.3	1569.7	1179.7	1305.6	1278.5	1268.6	1503.1	1638.8	1606.7	1614.1	1693.1
45°	1848.6	1525.2	1081.0	1103.2	1202.0	1194.6	1411.7	1542.5	1520.4	1540.1	1621.5
47.5°	1754.8	1436.4	1049.0	915.7	1120.5	1118.0	1310.6	1448.7	1436.4	1456.2	1542.5
50°	1626.5	1337.7	1046.5	784.8	1029.2	1039.1	1189.6	1357.5	1357.5	1374.8	1466.0
52.5°	1461.1	1216.7	950.3	710.8	923.1	952.7	1083.4	1278.5	1283.4	1300.7	1382.1
55°	1310.6	1090.9	881.1	654.1	797.2	861.3	979.9	1197.0	1206.9	1224.2	1298.2
57.5°	1172.4	908.2	866.3	587.4	681.2	742.9	888.5	1118.0	1122.9	1137.8	1209.3
60°	1024.2	656.5	794.7	515.8	580.0	626.9	804.5	1024.2	1041.5	1051.4	1113.1
62.5°	856.4	476.3	720.7	466.4	530.6	540.5	735.5	935.4	957.6	965.0	1002.0
65°	609.6	399.8	612.1	424.5	478.8	481.3	661.5	844.1	863.9	876.2	903.3
67.5°	412.2	325.8	466.4	385.0	439.4	441.8	589.9	738.0	765.1	774.9	792.2
70°	286.3	217.2	345.5	343.1	394.9	399.8	513.3	641.7	666.4	673.8	683.7
72.5°	209.8	175.2	286.3	308.5	348.0	353.0	434.4	533.1	557.8	565.2	570.1
75°	160.5	185.1	232.0	269.0	296.2	298.6	355.4	434.4	451.7	456.6	459.1
77.5°	128.3	172.8	170.3	217.2	241.9	237.0	278.9	335.7	350.4	350.4	350.4
80°	96.3	135.7	128.3	155.5	177.7	172.8	199.9	239.4	244.3	249.3	246.8
82.5°	71.5	86.4	86.4	98.7	118.4	113.6	133.3	155.5	155.5	155.5	160.5
85°	44.5	49.3	39.5	51.8	66.6	64.2	74.1	83.9	86.4	86.4	81.4
87.5°	27.2	22.2	12.3	19.7	29.6	29.6	34.6	37.0	34.6	34.6	34.6
90°	30.3	21.0	11.7	21.0	30.3	32.6	51.3	76.1	88.5	78.7	59.0
92.5°	205.1	125.8	46.6	125.8	205.1	224.9	316.2	437.9	498.7	437.0	313.8
95°	401.8	256.8	111.9	256.8	401.8	438.0	777.8	1230.9	1457.5	1300.6	986.9
97.5°	449.3	321.3	193.4	321.3	449.3	481.2	1047.9	1803.4	2181.1	2081.9	1883.6
100°	488.3	372.3	256.3	372.3	488.3	517.3	1146.1	1984.4	2403.6	2410.8	2425.3
102.5°	526.3	418.2	309.9	418.2	526.3	553.4	1191.1	2041.4	2466.5	2592.9	2845.5
105°	584.1	492.4	400.8	492.4	584.1	607.0	1224.5	2047.8	2459.5	2742.8	3309.3
107.5°	664.8	579.5	494.0	579.5	664.8	686.2	1230.7	1956.7	2319.7	2714.8	3505.0
110°	711.2	634.1	556.9	634.1	711.2	730.5	1221.4	1875.9	2203.2	2644.9	3528.3



TEST NUMBER: P936096

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	765.7	692.2	618.7	692.2	765.7	784.1	1221.8	1805.3	2097.1	2549.2	3453.3
115°	847.5	779.7	711.9	779.7	847.5	864.5	1233.1	1724.4	1970.2	2405.6	3276.6
117.5°	927.2	865.5	803.9	865.5	927.2	942.6	1255.9	1673.8	1882.8	2275.8	3061.8
120°	973.5	915.5	857.5	915.5	973.5	988.0	1274.6	1656.7	1847.8	2206.9	2925.2
122.5°	1026.9	968.5	909.9	968.5	1026.9	1041.6	1301.4	1647.9	1821.0	2144.4	2791.2
125°	1097.0	1043.7	990.3	1043.7	1097.0	1110.3	1337.5	1640.4	1791.9	2066.6	2615.9
127.5°	1163.3	1109.4	1055.6	1109.4	1163.3	1176.7	1373.6	1636.2	1767.4	2003.2	2475.0
130°	1206.5	1148.5	1090.5	1148.5	1206.5	1221.0	1400.1	1638.7	1758.1	1968.0	2388.1
132.5°	1242.7	1184.7	1126.7	1184.7	1242.7	1257.2	1421.5	1640.5	1749.9	1937.9	2313.8
135°	1285.9	1233.1	1180.2	1233.1	1285.9	1299.1	1444.7	1638.9	1735.9	1893.4	2208.3
137.5°	1339.5	1287.3	1235.0	1287.3	1339.5	1352.6	1479.6	1649.0	1733.7	1866.8	2132.9
140°	1376.7	1328.6	1280.4	1328.6	1376.7	1388.8	1501.0	1650.7	1725.5	1840.4	2070.4
142.5°	1404.5	1359.9	1315.4	1359.9	1404.5	1415.6	1518.9	1656.6	1725.5	1826.4	2028.4
145°	1446.7	1407.8	1369.0	1407.8	1446.7	1456.4	1542.2	1656.6	1713.8	1796.4	1961.6
147.5°	1498.2	1460.4	1422.6	1460.4	1498.2	1507.7	1576.4	1668.0	1713.8	1778.8	1908.7
150°	1525.9	1491.7	1457.5	1491.7	1525.9	1534.4	1594.2	1673.9	1713.8	1768.7	1878.5
152.5°	1545.5	1519.5	1493.7	1519.5	1545.5	1551.9	1605.9	1677.8	1713.8	1760.7	1854.4
155°	1585.6	1566.4	1547.3	1566.4	1585.6	1590.3	1631.5	1686.3	1713.8	1751.1	1825.7
157.5°	1624.1	1605.5	1586.9	1605.5	1624.1	1628.8	1657.1	1694.9	1713.8	1742.8	1800.8
160°	1642.6	1628.1	1613.7	1628.1	1642.6	1646.3	1668.8	1698.8	1713.8	1738.6	1788.4
162.5°	1662.2	1651.3	1640.5	1651.3	1662.2	1664.9	1681.2	1703.0	1713.8	1734.8	1776.7
165°	1689.2	1679.3	1669.5	1679.3	1689.2	1691.7	1699.0	1708.8	1713.8	1728.8	1758.9
167.5°	1705.7	1701.0	1696.3	1701.0	1705.7	1706.9	1713.0	1721.4	1725.5	1735.3	1755.0
170°	1723.1	1718.5	1713.8	1718.5	1723.1	1724.4	1724.7	1725.2	1725.5	1735.3	1755.0
172.5°	1725.2	1724.2	1723.1	1724.2	1725.2	1725.5	1725.5	1725.5	1725.5	1733.2	1748.7
175°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1732.5	1727.8	1725.5	1730.4	1740.2
177.5°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1733.2	1729.6	1727.8	1731.7	1739.5
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



TEST NUMBER: P936096

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2517.4	2510.0	2519.9	2492.8	2519.9	2510.0	2517.4	2534.7	2519.9	2529.7	2539.6
5°	2208.9	2196.6	2157.1	2125.0	2157.1	2196.6	2208.9	2260.7	2285.4	2329.9	2389.1
7.5°	1974.5	1964.6	1954.7	1935.0	1954.7	1964.6	1974.5	1989.2	2014.0	2053.4	2097.9
10°	1922.6	1925.1	1939.9	1937.4	1939.9	1925.1	1922.6	1917.7	1910.3	1917.7	1944.9
12.5°	2055.9	2078.2	2159.6	2154.6	2159.6	2078.2	2055.9	1957.2	1890.5	1878.2	1883.1
15°	2208.9	2216.3	2233.6	2236.1	2233.6	2216.3	2208.9	2169.4	1969.5	1883.1	1856.0
17.5°	2223.8	2226.2	2238.5	2238.5	2238.5	2226.2	2223.8	2206.5	2139.8	2023.8	1870.8
20°	2211.4	2216.3	2241.0	2246.0	2241.0	2216.3	2211.4	2189.2	2152.1	2110.2	1994.2
22.5°	2206.5	2216.3	2236.1	2233.6	2236.1	2216.3	2206.5	2171.9	2139.8	2110.2	2063.3
25°	2181.7	2181.7	2184.3	2186.7	2184.3	2181.7	2181.7	2154.6	2090.5	2083.0	2055.9
27.5°	2130.0	2134.8	2149.7	2147.3	2149.7	2134.8	2130.0	2120.1	2051.0	2043.6	2023.8
30°	2083.0	2078.2	2065.7	2055.9	2065.7	2078.2	2083.0	2068.2	1999.1	1979.4	1984.3
32.5°	2004.1	1991.8	1979.4	1972.0	1979.4	1991.8	2004.1	1999.1	1947.3	1920.1	1925.1
35°	1910.3	1912.7	1910.3	1902.8	1910.3	1912.7	1910.3	1915.3	1883.1	1858.5	1856.0
37.5°	1843.6	1848.6	1846.1	1836.2	1846.1	1848.6	1843.6	1838.7	1794.3	1786.9	1791.8
40°	1774.5	1777.0	1774.5	1767.1	1774.5	1777.0	1774.5	1764.7	1703.0	1705.4	1722.7
42.5°	1707.9	1705.4	1698.0	1693.1	1698.0	1705.4	1707.9	1693.1	1614.1	1606.7	1638.8
45°	1631.4	1633.8	1619.1	1611.6	1619.1	1633.8	1631.4	1621.5	1540.1	1520.4	1542.5
47.5°	1554.9	1554.9	1542.5	1535.1	1542.5	1554.9	1554.9	1542.5	1456.2	1436.4	1448.7
50°	1473.5	1471.0	1453.7	1451.2	1453.7	1471.0	1473.5	1466.0	1374.8	1357.5	1357.5
52.5°	1379.6	1379.6	1382.1	1387.1	1382.1	1379.6	1379.6	1382.1	1300.7	1283.4	1278.5
55°	1298.2	1300.7	1318.0	1322.9	1318.0	1300.7	1298.2	1298.2	1224.2	1206.9	1197.0
57.5°	1214.3	1214.3	1226.6	1226.6	1226.6	1214.3	1214.3	1209.3	1137.8	1122.9	1118.0
60°	1118.0	1122.9	1132.8	1130.4	1132.8	1122.9	1118.0	1113.1	1051.4	1041.5	1024.2
62.5°	1016.8	1021.8	1024.2	1019.3	1024.2	1021.8	1016.8	1002.0	965.0	957.6	935.4
65°	910.7	915.7	918.1	913.2	918.1	915.7	910.7	903.3	876.2	863.9	844.1
67.5°	802.1	799.7	797.2	807.1	797.2	799.7	802.1	792.2	774.9	765.1	738.0
70°	691.1	691.1	688.5	693.5	688.5	691.1	691.1	683.7	673.8	666.4	641.7
72.5°	572.6	570.1	580.0	572.6	580.0	570.1	572.6	570.1	565.2	557.8	533.1
75°	456.6	461.5	456.6	464.0	456.6	461.5	456.6	459.1	456.6	451.7	434.4
77.5°	348.0	353.0	348.0	348.0	348.0	353.0	348.0	350.4	350.4	350.4	335.7
80°	246.8	244.3	244.3	241.9	244.3	244.3	246.8	246.8	249.3	244.3	239.4
82.5°	157.9	155.5	155.5	160.5	155.5	155.5	157.9	160.5	155.5	155.5	155.5
85°	86.4	88.8	83.9	83.9	83.9	88.8	86.4	81.4	86.4	86.4	83.9
87.5°	32.1	29.6	29.6	29.6	29.6	29.6	32.1	34.6	34.6	34.6	37.0
90°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	59.0	78.7	88.5	76.1
92.5°	221.4	212.6	177.4	142.2	177.4	212.6	221.4	313.8	437.0	498.7	437.9
95°	751.5	724.8	618.1	511.5	618.1	724.8	751.5	986.9	1300.6	1457.5	1230.9
97.5°	1734.8	1684.1	1481.0	1278.1	1481.0	1684.1	1734.8	1883.6	2081.9	2181.1	1803.4
100°	2436.2	2375.7	2133.9	1892.1	2133.9	2375.7	2436.2	2425.3	2410.8	2403.6	1984.4
102.5°	3035.0	2983.3	2776.1	2569.1	2776.1	2983.3	3035.0	2845.5	2592.9	2466.5	2041.4
105°	3734.1	3706.3	3595.0	3483.6	3595.0	3706.3	3734.1	3309.3	2742.8	2459.5	2047.8
107.5°	4097.6	4104.4	4131.3	4158.2	4131.3	4104.4	4097.6	3505.0	2714.8	2319.7	1956.7
110°	4190.9	4219.8	4335.8	4451.8	4335.8	4219.8	4190.9	3528.3	2644.9	2203.2	1875.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4131.4	4175.9	4354.0	4532.1	4354.0	4175.9	4131.4	3453.3	2549.2	2097.1	1805.3
115°	3929.8	3991.5	4238.6	4485.5	4238.6	3991.5	3929.8	3276.6	2405.6	1970.2	1724.4
117.5°	3651.4	3719.8	3993.8	4267.7	3993.8	3719.8	3651.4	3061.8	2275.8	1882.8	1673.8
120°	3463.8	3530.3	3796.5	4062.6	3796.5	3530.3	3463.8	2925.2	2206.9	1847.8	1656.7
122.5°	3276.2	3341.9	3604.4	3866.9	3604.4	3341.9	3276.2	2791.2	2144.4	1821.0	1647.9
125°	3028.0	3088.5	3330.4	3572.2	3330.4	3088.5	3028.0	2615.9	2066.6	1791.9	1640.4
127.5°	2828.8	2879.8	3083.9	3287.9	3083.9	2879.8	2828.8	2475.0	2003.2	1767.4	1636.2
130°	2703.0	2750.2	2938.6	3127.1	2938.6	2750.2	2703.0	2388.1	1968.0	1758.1	1638.7
132.5°	2595.8	2638.0	2806.8	2975.6	2806.8	2638.0	2595.8	2313.8	1937.9	1749.9	1640.5
135°	2444.4	2480.7	2626.2	2771.7	2626.2	2480.7	2444.4	2208.3	1893.4	1735.9	1638.9
137.5°	2332.5	2362.3	2481.4	2600.4	2481.4	2362.3	2332.5	2132.9	1866.8	1733.7	1649.0
140°	2242.8	2270.6	2382.0	2493.3	2382.0	2270.6	2242.8	2070.4	1840.4	1725.5	1650.7
142.5°	2179.9	2203.8	2299.6	2395.4	2299.6	2203.8	2179.9	2028.4	1826.4	1725.5	1656.6
145°	2085.5	2103.6	2176.1	2248.6	2176.1	2103.6	2085.5	1961.6	1796.4	1713.8	1656.6
147.5°	2006.2	2021.3	2081.3	2141.4	2081.3	2021.3	2006.2	1908.7	1778.8	1713.8	1668.0
150°	1960.8	1973.0	2021.7	2070.4	2021.7	1973.0	1960.8	1878.5	1768.7	1713.8	1673.9
152.5°	1924.7	1933.8	1970.6	2007.4	1970.6	1933.8	1924.7	1854.4	1760.7	1713.8	1677.8
155°	1881.6	1887.7	1912.1	1936.4	1912.1	1887.7	1881.6	1825.7	1751.1	1713.8	1686.3
157.5°	1844.4	1848.7	1865.7	1882.8	1865.7	1848.7	1844.4	1800.8	1742.8	1713.8	1694.9
160°	1825.7	1828.1	1838.0	1847.8	1838.0	1828.1	1825.7	1788.4	1738.6	1713.8	1698.8
162.5°	1808.2	1810.6	1819.8	1829.1	1819.8	1810.6	1808.2	1776.7	1734.8	1713.8	1703.0
165°	1781.4	1783.8	1793.7	1803.6	1793.7	1783.8	1781.4	1758.9	1728.8	1713.8	1708.8
167.5°	1769.7	1770.8	1775.0	1779.1	1775.0	1770.8	1769.7	1755.0	1735.3	1725.5	1721.4
170°	1769.7	1769.7	1769.7	1769.7	1769.7	1769.7	1769.7	1755.0	1735.3	1725.5	1725.2
172.5°	1760.4	1759.5	1755.9	1752.3	1755.9	1759.5	1760.4	1748.7	1733.2	1725.5	1725.5
175°	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6	1747.6	1740.2	1730.4	1725.5	1727.8
177.5°	1745.3	1744.2	1740.0	1735.9	1740.0	1744.2	1745.3	1739.5	1731.7	1727.8	1729.6
180°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2576.6	2589.0	2596.4	2606.3	2631.0
5°	2477.9	2524.8	2539.6	2576.6	2621.1
7.5°	2260.7	2403.9	2443.3	2532.3	2601.4
10°	2051.0	2194.2	2263.2	2473.0	2576.6
12.5°	1944.9	2028.7	2075.6	2369.4	2542.1
15°	1878.2	1937.4	1972.0	2231.1	2502.7
17.5°	1826.3	1868.4	1893.0	2095.4	2448.3
20°	1794.3	1814.0	1836.2	1996.7	2386.7
22.5°	1772.1	1759.7	1777.0	1927.6	2302.7
25°	1757.2	1710.3	1730.1	1873.2	2204.0
27.5°	1769.6	1666.0	1673.4	1823.9	2100.3
30°	1772.1	1611.6	1614.1	1772.1	1984.3
32.5°	1754.8	1554.9	1557.4	1707.9	1853.5
35°	1712.9	1488.2	1485.8	1633.8	1675.8
37.5°	1656.1	1416.7	1416.7	1552.4	1480.9
40°	1587.0	1345.1	1352.5	1446.3	1308.1
42.5°	1503.1	1268.6	1278.5	1305.6	1179.7
45°	1411.7	1194.6	1202.0	1103.2	1081.0
47.5°	1310.6	1118.0	1120.5	915.7	1049.0
50°	1189.6	1039.1	1029.2	784.8	1046.5
52.5°	1083.4	952.7	923.1	710.8	950.3
55°	979.9	861.3	797.2	654.1	881.1
57.5°	888.5	742.9	681.2	587.4	866.3
60°	804.5	626.9	580.0	515.8	794.7
62.5°	735.5	540.5	530.6	466.4	720.7
65°	661.5	481.3	478.8	424.5	612.1
67.5°	589.9	441.8	439.4	385.0	466.4
70°	513.3	399.8	394.9	343.1	345.5
72.5°	434.4	353.0	348.0	308.5	286.3
75°	355.4	298.6	296.2	269.0	232.0
77.5°	278.9	237.0	241.9	217.2	170.3
80°	199.9	172.8	177.7	155.5	128.3
82.5°	133.3	113.6	118.4	98.7	86.4
85°	74.1	64.2	66.6	51.8	39.5
87.5°	34.6	29.6	29.6	19.7	12.3
90°	51.3	32.6	30.3	21.0	11.7
92.5°	316.2	224.9	205.1	125.8	46.6
95°	777.8	438.0	401.8	256.8	111.9
97.5°	1047.9	481.2	449.3	321.3	193.4
100°	1146.1	517.3	488.3	372.3	256.3
102.5°	1191.1	553.4	526.3	418.2	309.9
105°	1224.5	607.0	584.1	492.4	400.8
107.5°	1230.7	686.2	664.8	579.5	494.0
110°	1221.4	730.5	711.2	634.1	556.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1221.8	784.1	765.7	692.2	618.7
115°	1233.1	864.5	847.5	779.7	711.9
117.5°	1255.9	942.6	927.2	865.5	803.9
120°	1274.6	988.0	973.5	915.5	857.5
122.5°	1301.4	1041.6	1026.9	968.5	909.9
125°	1337.5	1110.3	1097.0	1043.7	990.3
127.5°	1373.6	1176.7	1163.3	1109.4	1055.6
130°	1400.1	1221.0	1206.5	1148.5	1090.5
132.5°	1421.5	1257.2	1242.7	1184.7	1126.7
135°	1444.7	1299.1	1285.9	1233.1	1180.2
137.5°	1479.6	1352.6	1339.5	1287.3	1235.0
140°	1501.0	1388.8	1376.7	1328.6	1280.4
142.5°	1518.9	1415.6	1404.5	1359.9	1315.4
145°	1542.2	1456.4	1446.7	1407.8	1369.0
147.5°	1576.4	1507.7	1498.2	1460.4	1422.6
150°	1594.2	1534.4	1525.9	1491.7	1457.5
152.5°	1605.9	1551.9	1545.5	1519.5	1493.7
155°	1631.5	1590.3	1585.6	1566.4	1547.3
157.5°	1657.1	1628.8	1624.1	1605.5	1586.9
160°	1668.8	1646.3	1642.6	1628.1	1613.7
162.5°	1681.2	1664.9	1662.2	1651.3	1640.5
165°	1699.0	1691.7	1689.2	1679.3	1669.5
167.5°	1713.0	1706.9	1705.7	1701.0	1696.3
170°	1724.7	1724.4	1723.1	1718.5	1713.8
172.5°	1725.5	1725.5	1725.2	1724.2	1723.1
175°	1732.5	1735.9	1735.9	1735.9	1735.9
177.5°	1733.2	1735.9	1735.9	1735.9	1735.9
180°	1735.9	1735.9	1735.9	1735.9	1735.9



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.20	12.96	13.26	14.02	15.46	15.04	15.80	16.09	16.86	18.29
	3H	12.67	13.35	13.73	14.42	15.87	16.38	17.06	17.44	18.13	19.58
	4H	12.85	13.50	13.93	14.57	16.03	16.82	17.46	17.90	18.53	20.00
	6H	12.97	13.56	14.05	14.64	16.11	17.10	17.69	18.19	18.77	20.24
	8H	12.97	13.53	14.06	14.62	16.09	17.17	17.74	18.26	18.83	20.30
	12H	12.93	13.47	14.03	14.55	16.05	17.21	17.74	18.30	18.83	20.32
4H	2H	13.22	13.86	14.30	14.94	16.40	15.43	16.08	16.52	17.15	18.61
	3H	14.24	14.78	15.33	15.87	17.35	16.93	17.47	18.02	18.57	20.04
	4H	14.51	15.00	15.61	16.09	17.59	17.46	17.95	18.55	19.04	20.54
	6H	14.63	15.05	15.73	16.16	17.65	17.82	18.24	18.92	19.35	20.84
	8H	14.63	15.03	15.74	16.13	17.64	17.92	18.32	19.03	19.42	20.93
	12H	14.59	14.95	15.72	16.07	17.58	17.98	18.33	19.10	19.45	20.96
8H	4H	14.96	15.35	16.06	16.45	17.96	17.57	17.97	18.68	19.07	20.58
	6H	15.21	15.54	16.34	16.69	18.19	18.01	18.33	19.13	19.48	20.98
	8H	15.25	15.54	16.39	16.67	18.19	18.16	18.44	19.29	19.57	21.09
	12H	15.23	15.49	16.37	16.61	18.17	18.25	18.50	19.39	19.63	21.19
12H	4H	14.96	15.31	16.08	16.43	17.94	17.53	17.89	18.65	19.01	20.52
	6H	15.27	15.56	16.41	16.69	18.21	18.00	18.29	19.14	19.42	20.94
	8H	15.34	15.59	16.47	16.71	18.27	18.16	18.41	19.30	19.53	21.09