

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: P936041

Luminaire Tested: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936041
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

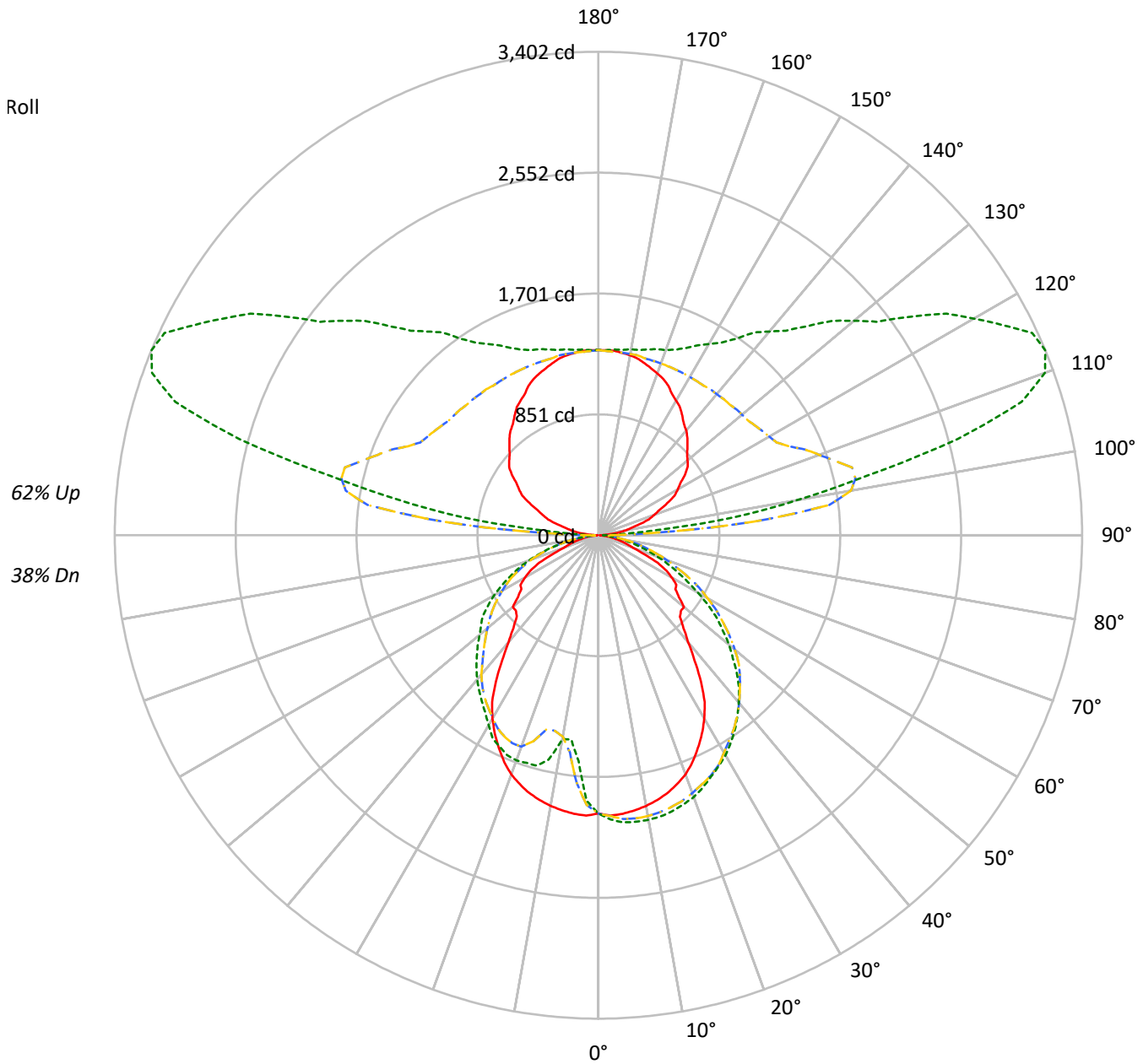
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13528.0 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 108.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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°	12111	12111	12111	12111
5°	12197	12226	12197	9613
10°	12112	12043	12112	8610
15°	11975	11782	11975	9839
20°	11721	11474	11721	9859
25°	11203	11023	11203	9651
30°	10537	10648	10537	9191
35°	9388	10175	9388	8687
40°	7818	9617	7818	8307
45°	6981	8965	6981	7868
50°	7410	8187	7410	7429
55°	6966	7349	6966	7174
60°	7172	6241	7172	6571
65°	6493	5159	6493	5767
70°	4485	4112	4485	4833
75°	3918	3039	3918	3640
80°	3134	2010	3134	2188
85°	1765	1064	1765	905

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10707 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.7	1.3
10°-20°	501.8	3.7
20°-30°	775.7	5.7
30°-40°	926.0	6.8
40°-50°	931.4	6.9
50°-60°	810.4	6.0
60°-70°	574.6	4.2
70°-80°	304.0	2.2
80°-90°	80.7	0.6
90°-100°	635.1	4.7
100°-110°	1669.8	12.3
110°-120°	1731.4	12.8
120°-130°	1388.8	10.3
130°-140°	1089.7	8.1
140°-150°	836.4	6.2
150°-160°	602.3	4.5
160°-170°	368.5	2.7
170°-180°	124.5	0.9
0°-30°	1454.2	10.7
0°-40°	2380.2	17.6
0°-60°	4122.1	30.5
0°-90°	5081.4	37.6
90°-120°	4036.3	29.8
90°-150°	7351.2	54.3
90°-180°	8447.0	62.4
0°-180°	13528.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1958	1958	1958	1958	1958	
5°	1967	2028	1967	1595	1967	187
15°	1878	2010	1878	1678	1878	528
25°	1654	1875	1654	1641	1654	759
35°	1258	1673	1258	1428	1258	778
45°	811	1378	811	1210	811	650
55°	661	1017	661	993	661	608
65°	459	613	459	685	459	439
75°	174	291	174	348	174	183
85°	30	74	30	63	30	40
90°	9	33	9	33	9	8
95°	84	384	84	384	84	93
105°	301	2615	301	2615	301	319
115°	534	3367	534	3367	534	528
125°	743	2681	743	2681	743	660
135°	886	2080	886	2080	886	685
145°	1028	1688	1028	1688	1028	644
155°	1161	1453	1161	1453	1161	534
165°	1253	1354	1253	1354	1253	354
175°	1303	1312	1303	1312	1303	124
180°	1303	1303	1303	1303	1303	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8
2.5°	1974.6	1974.6	1985.7	1989.3	1989.3	1983.8	1978.2	1983.8	2000.5	2006.1	2004.2
5°	1967.1	1982.0	2002.3	2006.1	2009.7	2007.8	2004.2	2007.8	2026.3	2030.1	2032.0
7.5°	1952.3	1980.1	2006.1	2011.6	2017.1	2011.6	2009.7	2013.5	2032.0	2035.7	2035.7
10°	1933.8	1972.7	2002.3	2006.1	2011.6	2006.1	2006.1	2013.5	2032.0	2035.7	2037.5
12.5°	1907.8	1961.6	1989.3	1993.1	2000.5	1998.6	1996.7	2004.2	2022.7	2026.3	2026.3
15°	1878.2	1941.2	1967.1	1970.8	1983.8	1980.1	1980.1	1987.5	2007.8	2013.5	2011.6
17.5°	1837.4	1915.2	1944.9	1950.5	1959.7	1957.8	1959.7	1967.1	1985.7	1989.3	1991.2
20°	1791.2	1880.1	1915.2	1920.8	1930.1	1930.1	1930.1	1939.3	1957.8	1965.3	1965.3
22.5°	1728.2	1843.1	1880.1	1883.8	1894.9	1894.9	1898.6	1911.6	1928.2	1930.1	1930.1
25°	1654.1	1802.3	1833.8	1844.8	1856.0	1861.6	1867.1	1874.6	1880.1	1878.2	1880.1
27.5°	1576.3	1750.4	1791.2	1798.6	1813.4	1818.9	1826.3	1828.2	1830.1	1835.6	1831.9
30°	1489.3	1678.2	1739.3	1746.7	1770.8	1774.4	1767.1	1770.8	1780.1	1783.8	1787.4
32.5°	1391.0	1570.8	1685.6	1702.3	1724.4	1713.3	1711.5	1717.1	1731.9	1731.9	1735.6
35°	1257.7	1487.4	1635.5	1650.4	1667.0	1654.1	1661.5	1663.3	1672.6	1678.2	1676.3
37.5°	1111.4	1415.1	1583.7	1594.8	1607.8	1591.2	1602.2	1607.8	1615.2	1611.5	1611.5
40°	981.7	1302.1	1522.5	1530.0	1541.1	1528.2	1539.3	1542.9	1546.7	1542.9	1541.1
42.5°	885.4	1178.0	1457.8	1467.0	1459.6	1468.9	1472.5	1480.0	1474.4	1467.0	1467.0
45°	811.3	1144.7	1387.4	1398.5	1387.4	1402.2	1407.8	1407.8	1391.0	1387.4	1385.5
47.5°	787.2	1078.0	1317.0	1317.0	1311.4	1329.9	1339.2	1326.3	1309.5	1304.0	1304.0
50°	785.3	1004.0	1220.6	1213.2	1239.1	1261.4	1252.1	1239.1	1226.2	1205.9	1205.9
52.5°	713.1	913.2	1096.5	1124.4	1165.1	1178.0	1163.2	1150.2	1128.0	1118.7	1111.4
55°	661.3	818.7	983.6	1039.1	1081.7	1098.4	1070.6	1057.6	1024.3	1018.7	1015.1
57.5°	650.2	681.7	879.8	950.2	1002.1	1000.2	983.6	959.5	931.7	926.1	924.3
60°	596.4	492.7	768.7	852.1	905.7	900.2	885.4	863.2	837.2	833.6	829.8
62.5°	540.8	357.5	642.7	737.2	813.2	811.3	798.3	765.0	746.5	737.2	729.8
65°	459.4	300.0	457.5	613.1	722.4	726.1	698.3	674.2	653.8	642.7	640.9
67.5°	350.0	244.5	309.3	511.2	635.3	631.7	596.4	585.3	559.4	553.8	542.7
70°	259.3	163.0	214.9	414.9	550.2	540.8	513.1	500.2	476.0	463.1	455.7
72.5°	214.9	131.5	157.4	322.3	463.1	451.9	427.9	413.0	392.7	381.5	374.2
75°	174.1	138.9	120.4	238.9	376.0	368.6	346.4	331.5	314.9	300.0	301.9
77.5°	127.8	129.6	96.3	176.0	298.2	287.1	274.1	255.6	248.2	233.4	233.4
80°	96.3	101.9	72.3	120.4	214.9	214.9	203.8	190.8	177.8	170.4	170.4
82.5°	64.9	64.9	53.7	75.9	146.4	140.8	133.4	129.6	122.3	118.5	118.5
85°	29.6	37.0	33.4	46.3	79.6	83.4	83.4	79.6	77.8	74.1	75.9
87.5°	9.3	16.6	20.4	25.9	40.8	42.6	44.5	44.5	44.5	46.3	46.3
90°	8.8	15.8	22.7	24.5	38.5	57.1	66.5	59.1	44.3	33.3	33.3
92.5°	35.0	94.4	153.9	168.8	237.3	328.6	374.3	328.0	235.5	166.2	159.6
95°	83.9	192.7	301.6	328.8	583.9	924.0	1094.0	976.2	740.7	564.0	544.0
97.5°	145.2	241.2	337.1	361.2	786.5	1353.5	1637.0	1562.6	1413.7	1302.1	1264.0
100°	192.4	279.5	366.5	388.3	860.2	1489.5	1804.1	1809.5	1820.4	1828.6	1783.2
102.5°	232.6	313.9	395.1	415.4	894.0	1532.2	1851.3	1946.1	2135.7	2278.0	2239.1
105°	300.8	369.6	438.4	455.6	919.1	1537.0	1846.0	2058.6	2483.8	2802.7	2781.8
107.5°	370.8	434.9	499.0	515.0	923.7	1468.6	1741.1	2037.7	2630.7	3075.6	3080.6
110°	418.0	476.0	533.8	548.3	916.8	1407.9	1653.6	1985.1	2648.2	3145.5	3167.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	464.4	519.5	574.7	588.5	917.0	1355.0	1574.0	1913.3	2591.9	3100.9	3134.3
115°	534.3	585.2	636.2	648.9	925.5	1294.3	1478.7	1805.6	2459.3	2949.6	2995.9
117.5°	603.4	649.6	695.9	707.5	942.7	1256.3	1413.2	1708.2	2298.1	2740.6	2792.0
120°	643.6	687.2	730.8	741.6	956.7	1243.5	1386.9	1656.5	2195.5	2599.8	2649.7
122.5°	683.0	726.9	770.9	781.8	976.8	1236.8	1366.8	1609.6	2095.0	2459.0	2508.3
125°	743.3	783.3	823.4	833.4	1003.9	1231.3	1344.9	1551.1	1963.4	2272.7	2318.1
127.5°	792.3	832.6	873.1	883.2	1031.0	1228.0	1326.5	1503.6	1857.6	2123.2	2161.5
130°	818.5	862.1	905.6	916.5	1050.9	1230.1	1319.6	1477.2	1792.4	2028.8	2064.1
132.5°	845.6	889.2	932.7	943.6	1066.9	1231.3	1313.4	1454.5	1736.7	1948.3	1980.0
135°	885.8	925.5	965.2	975.1	1084.4	1230.1	1303.0	1421.1	1657.4	1834.6	1861.9
137.5°	926.9	966.2	1005.5	1015.3	1110.6	1237.6	1301.2	1401.1	1600.9	1750.7	1773.0
140°	961.1	997.2	1033.3	1042.4	1126.6	1239.0	1295.1	1381.4	1553.9	1683.4	1704.2
142.5°	987.2	1020.7	1054.2	1062.5	1140.1	1243.4	1295.1	1370.9	1522.4	1636.1	1654.1
145°	1027.5	1056.7	1085.8	1093.1	1157.5	1243.4	1286.3	1348.3	1472.3	1565.4	1578.9
147.5°	1067.7	1096.1	1124.5	1131.6	1183.2	1251.9	1286.3	1335.1	1432.6	1505.8	1517.1
150°	1094.0	1119.6	1145.2	1151.7	1196.5	1256.4	1286.3	1327.6	1409.9	1471.7	1480.9
152.5°	1121.1	1140.5	1160.0	1164.8	1205.3	1259.3	1286.3	1321.5	1391.9	1444.6	1451.5
155°	1161.3	1175.7	1190.1	1193.6	1224.6	1265.8	1286.3	1314.3	1370.3	1412.2	1416.8
157.5°	1191.0	1205.0	1219.0	1222.5	1243.8	1272.1	1286.3	1308.1	1351.7	1384.3	1387.5
160°	1211.2	1222.0	1232.9	1235.6	1252.5	1275.0	1286.3	1305.0	1342.3	1370.3	1372.1
162.5°	1231.3	1239.4	1247.6	1249.6	1261.9	1278.2	1286.3	1302.0	1333.5	1357.2	1359.0
165°	1253.2	1260.5	1267.8	1269.7	1275.2	1282.6	1286.3	1297.7	1320.2	1337.1	1339.0
167.5°	1273.3	1276.7	1280.3	1281.1	1285.8	1292.0	1295.1	1302.5	1317.3	1328.3	1329.1
170°	1286.3	1289.8	1293.4	1294.2	1294.5	1294.9	1295.1	1302.5	1317.3	1328.3	1328.3
172.5°	1293.4	1294.1	1294.9	1295.1	1295.1	1295.1	1295.1	1300.9	1312.6	1321.3	1320.6
175°	1303.0	1303.0	1303.0	1303.0	1300.4	1296.9	1295.1	1298.8	1306.2	1311.7	1311.7
177.5°	1303.0	1303.0	1303.0	1303.0	1300.9	1298.2	1296.8	1299.7	1305.6	1310.0	1309.2
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8
2.5°	2007.8	2002.3	2007.8	2004.2	2006.1	2000.5	1983.8	1978.2	1983.8	1989.3	1989.3
5°	2032.0	2028.2	2032.0	2032.0	2030.1	2026.3	2007.8	2004.2	2007.8	2009.7	2006.1
7.5°	2039.3	2033.8	2039.3	2035.7	2035.7	2032.0	2013.5	2009.7	2011.6	2017.1	2011.6
10°	2039.3	2033.8	2039.3	2037.5	2035.7	2032.0	2013.5	2006.1	2006.1	2011.6	2006.1
12.5°	2030.1	2026.3	2030.1	2026.3	2026.3	2022.7	2004.2	1996.7	1998.6	2000.5	1993.1
15°	2015.3	2009.7	2015.3	2011.6	2013.5	2007.8	1987.5	1980.1	1980.1	1983.8	1970.8
17.5°	1993.1	1985.7	1993.1	1991.2	1989.3	1985.7	1967.1	1959.7	1957.8	1959.7	1950.5
20°	1967.1	1961.6	1967.1	1965.3	1965.3	1957.8	1939.3	1930.1	1930.1	1930.1	1920.8
22.5°	1926.3	1920.8	1926.3	1930.1	1930.1	1928.2	1911.6	1898.6	1894.9	1894.9	1883.8
25°	1880.1	1874.6	1880.1	1880.1	1878.2	1880.1	1874.6	1867.1	1861.6	1856.0	1844.8
27.5°	1835.6	1831.9	1835.6	1831.9	1835.6	1830.1	1828.2	1826.3	1818.9	1813.4	1798.6
30°	1791.2	1787.4	1791.2	1787.4	1783.8	1780.1	1770.8	1767.1	1774.4	1770.8	1746.7
32.5°	1735.6	1731.9	1735.6	1735.6	1731.9	1731.9	1717.1	1711.5	1713.3	1724.4	1702.3
35°	1678.2	1672.6	1678.2	1676.3	1678.2	1672.6	1663.3	1661.5	1654.1	1667.0	1650.4
37.5°	1611.5	1605.9	1611.5	1611.5	1611.5	1615.2	1607.8	1602.2	1591.2	1607.8	1594.8
40°	1542.9	1535.5	1542.9	1541.1	1542.9	1546.7	1542.9	1539.3	1528.2	1541.1	1530.0
42.5°	1465.2	1463.3	1465.2	1467.0	1467.0	1474.4	1480.0	1472.5	1468.9	1459.6	1467.0
45°	1381.8	1378.1	1381.8	1385.5	1387.4	1391.0	1407.8	1407.8	1402.2	1387.4	1398.5
47.5°	1292.9	1283.6	1292.9	1304.0	1304.0	1309.5	1326.3	1339.2	1329.9	1311.4	1317.0
50°	1198.4	1200.3	1198.4	1205.9	1205.9	1226.2	1239.1	1252.1	1261.4	1239.1	1213.2
52.5°	1105.9	1104.0	1105.9	1111.4	1118.7	1128.0	1150.2	1163.2	1178.0	1165.1	1124.4
55°	1013.2	1016.9	1013.2	1015.1	1018.7	1024.3	1057.6	1070.6	1098.4	1081.7	1039.1
57.5°	920.6	915.0	920.6	924.3	926.1	931.7	959.5	983.6	1000.2	1002.1	950.2
60°	813.2	805.7	813.2	829.8	833.6	837.2	863.2	885.4	900.2	905.7	852.1
62.5°	718.7	705.7	718.7	729.8	737.2	746.5	765.0	798.3	811.3	813.2	737.2
65°	618.7	613.1	618.7	640.9	642.7	653.8	674.2	698.3	726.1	722.4	613.1
67.5°	527.9	527.9	527.9	542.7	553.8	559.4	585.3	596.4	631.7	635.3	511.2
70°	444.5	442.7	444.5	455.7	463.1	476.0	500.2	513.1	540.8	550.2	414.9
72.5°	364.9	363.0	364.9	374.2	381.5	392.7	413.0	427.9	451.9	463.1	322.3
75°	294.5	290.8	294.5	301.9	300.0	314.9	331.5	346.4	368.6	376.0	238.9
77.5°	226.0	226.0	226.0	233.4	233.4	248.2	255.6	274.1	287.1	298.2	176.0
80°	168.5	166.8	168.5	170.4	170.4	177.8	190.8	203.8	214.9	214.9	120.4
82.5°	118.5	114.9	118.5	118.5	118.5	122.3	129.6	133.4	140.8	146.4	75.9
85°	74.1	74.1	74.1	75.9	74.1	77.8	79.6	83.4	83.4	79.6	46.3
87.5°	48.1	46.3	48.1	46.3	46.3	44.5	44.5	44.5	42.6	40.8	25.9
90°	33.3	33.3	33.3	33.3	33.3	44.3	59.1	66.5	57.1	38.5	24.5
92.5°	133.1	106.6	133.1	159.6	166.2	235.5	328.0	374.3	328.6	237.3	168.8
95°	463.9	383.9	463.9	544.0	564.0	740.7	976.2	1094.0	924.0	583.9	328.8
97.5°	1111.6	959.3	1111.6	1264.0	1302.1	1413.7	1562.6	1637.0	1353.5	786.5	361.2
100°	1601.7	1420.2	1601.7	1783.2	1828.6	1820.4	1809.5	1804.1	1489.5	860.2	388.3
102.5°	2083.6	1928.2	2083.6	2239.1	2278.0	2135.7	1946.1	1851.3	1532.2	894.0	415.4
105°	2698.2	2614.7	2698.2	2781.8	2802.7	2483.8	2058.6	1846.0	1537.0	919.1	455.6
107.5°	3100.8	3121.0	3100.8	3080.6	3075.6	2630.7	2037.7	1741.1	1468.6	923.7	515.0
110°	3254.3	3341.4	3254.3	3167.3	3145.5	2648.2	1985.1	1653.6	1407.9	916.8	548.3



TEST NUMBER: P936041

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3268.0	3401.7	3268.0	3134.3	3100.9	2591.9	1913.3	1574.0	1355.0	917.0	588.5
115°	3181.3	3366.7	3181.3	2995.9	2949.6	2459.3	1805.6	1478.7	1294.3	925.5	648.9
117.5°	2997.6	3203.2	2997.6	2792.0	2740.6	2298.1	1708.2	1413.2	1256.3	942.7	707.5
120°	2849.5	3049.3	2849.5	2649.7	2599.8	2195.5	1656.5	1386.9	1243.5	956.7	741.6
122.5°	2705.3	2902.4	2705.3	2508.3	2459.0	2095.0	1609.6	1366.8	1236.8	976.8	781.8
125°	2499.6	2681.1	2499.6	2318.1	2272.7	1963.4	1551.1	1344.9	1231.3	1003.9	833.4
127.5°	2314.6	2467.8	2314.6	2161.5	2123.2	1857.6	1503.6	1326.5	1228.0	1031.0	883.2
130°	2205.6	2347.0	2205.6	2064.1	2028.8	1792.4	1477.2	1319.6	1230.1	1050.9	916.5
132.5°	2106.6	2233.4	2106.6	1980.0	1948.3	1736.7	1454.5	1313.4	1231.3	1066.9	943.6
135°	1971.2	2080.4	1971.2	1861.9	1834.6	1657.4	1421.1	1303.0	1230.1	1084.4	975.1
137.5°	1862.5	1951.9	1862.5	1773.0	1750.7	1600.9	1401.1	1301.2	1237.6	1110.6	1015.3
140°	1787.8	1871.4	1787.8	1704.2	1683.4	1553.9	1381.4	1295.1	1239.0	1126.6	1042.4
142.5°	1726.0	1797.9	1726.0	1654.1	1636.1	1522.4	1370.9	1295.1	1243.4	1140.1	1062.5
145°	1633.3	1687.7	1633.3	1578.9	1565.4	1472.3	1348.3	1286.3	1243.4	1157.5	1093.1
147.5°	1562.2	1607.3	1562.2	1517.1	1505.8	1432.6	1335.1	1286.3	1251.9	1183.2	1131.6
150°	1517.4	1553.9	1517.4	1480.9	1471.7	1409.9	1327.6	1286.3	1256.4	1196.5	1151.7
152.5°	1479.1	1506.7	1479.1	1451.5	1444.6	1391.9	1321.5	1286.3	1259.3	1205.3	1164.8
155°	1435.1	1453.4	1435.1	1416.8	1412.2	1370.3	1314.3	1286.3	1265.8	1224.6	1193.6
157.5°	1400.4	1413.2	1400.4	1387.5	1384.3	1351.7	1308.1	1286.3	1272.1	1243.8	1222.5
160°	1379.5	1386.9	1379.5	1372.1	1370.3	1342.3	1305.0	1286.3	1275.0	1252.5	1235.6
162.5°	1365.9	1372.9	1365.9	1359.0	1357.2	1333.5	1302.0	1286.3	1278.2	1261.9	1249.6
165°	1346.3	1353.6	1346.3	1339.0	1337.1	1320.2	1297.7	1286.3	1282.6	1275.2	1269.7
167.5°	1332.2	1335.3	1332.2	1329.1	1328.3	1317.3	1302.5	1295.1	1292.0	1285.8	1281.1
170°	1328.3	1328.3	1328.3	1328.3	1328.3	1317.3	1302.5	1295.1	1294.9	1294.5	1294.2
172.5°	1317.9	1315.2	1317.9	1320.6	1321.3	1312.6	1300.9	1295.1	1295.1	1295.1	1295.1
175°	1311.7	1311.7	1311.7	1311.7	1311.7	1306.2	1298.8	1295.1	1296.9	1300.4	1303.0
177.5°	1306.1	1303.0	1306.1	1309.2	1310.0	1305.6	1299.7	1296.8	1298.2	1300.9	1303.0
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



TEST NUMBER: P936041

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8
2.5°	1985.7	1974.6	1974.6	1956.0	1948.6	1943.1	1933.8	1906.0	1898.6	1891.2	1902.3
5°	2002.3	1982.0	1967.1	1933.8	1906.0	1894.9	1859.7	1793.0	1748.6	1715.2	1696.7
7.5°	2006.1	1980.1	1952.3	1900.4	1833.8	1804.1	1696.7	1574.4	1541.1	1511.4	1492.9
10°	2002.3	1972.7	1933.8	1856.0	1698.5	1646.7	1539.3	1459.6	1439.3	1433.7	1439.3
12.5°	1989.3	1961.6	1907.8	1778.2	1557.8	1522.5	1459.6	1413.3	1409.6	1418.9	1468.9
15°	1967.1	1941.2	1878.2	1674.4	1480.0	1454.0	1409.6	1392.9	1413.3	1478.1	1628.2
17.5°	1944.9	1915.2	1837.4	1572.5	1420.7	1402.2	1370.7	1404.0	1518.9	1605.9	1655.9
20°	1915.2	1880.1	1791.2	1498.5	1378.1	1361.4	1346.6	1496.7	1583.7	1615.2	1642.9
22.5°	1880.1	1843.1	1728.2	1446.6	1333.6	1320.6	1329.9	1548.5	1583.7	1605.9	1630.0
25°	1833.8	1802.3	1654.1	1405.9	1298.5	1283.6	1318.9	1542.9	1563.3	1568.9	1617.0
27.5°	1791.2	1750.4	1576.3	1368.9	1255.9	1250.3	1328.1	1518.9	1533.7	1539.3	1591.2
30°	1739.3	1678.2	1489.3	1329.9	1211.4	1209.5	1329.9	1489.3	1485.5	1500.4	1552.2
32.5°	1685.6	1570.8	1391.0	1281.8	1168.8	1167.0	1317.0	1444.8	1441.0	1461.4	1500.4
35°	1635.5	1487.4	1257.7	1226.2	1115.1	1116.9	1285.5	1392.9	1394.8	1413.3	1437.4
37.5°	1583.7	1415.1	1111.4	1165.1	1063.2	1063.2	1242.9	1344.8	1341.0	1346.6	1379.9
40°	1522.5	1302.1	981.7	1085.5	1015.1	1009.5	1191.0	1292.9	1279.9	1278.1	1324.4
42.5°	1457.8	1178.0	885.4	979.9	959.5	952.1	1128.0	1229.9	1205.9	1211.4	1270.6
45°	1387.4	1144.7	811.3	828.0	902.1	896.5	1059.5	1157.6	1141.0	1155.9	1217.0
47.5°	1317.0	1078.0	787.2	687.2	841.0	839.1	983.6	1087.3	1078.0	1092.9	1157.6
50°	1220.6	1004.0	785.3	589.1	772.4	779.8	892.8	1018.7	1018.7	1031.7	1100.2
52.5°	1096.5	913.2	713.1	533.4	692.7	715.0	813.2	959.5	963.2	976.1	1037.2
55°	983.6	818.7	661.3	490.8	598.3	646.4	735.3	898.3	905.7	918.7	974.3
57.5°	879.8	681.7	650.2	440.8	511.2	557.6	666.8	839.1	842.8	853.9	907.6
60°	768.7	492.7	596.4	387.2	435.3	470.4	603.8	768.7	781.7	789.1	835.3
62.5°	642.7	357.5	540.8	350.0	398.3	405.7	551.9	702.1	718.7	724.2	752.1
65°	457.5	300.0	459.4	318.5	359.3	361.2	496.4	633.5	648.3	657.6	677.9
67.5°	309.3	244.5	350.0	288.9	329.7	331.5	442.7	553.8	574.2	581.6	594.6
70°	214.9	163.0	259.3	257.5	296.4	300.0	385.3	481.6	500.2	505.7	513.1
72.5°	157.4	131.5	214.9	231.5	261.2	264.9	326.0	400.1	418.7	424.2	427.9
75°	120.4	138.9	174.1	201.9	222.3	224.1	266.8	326.0	338.9	342.7	344.5
77.5°	96.3	129.6	127.8	163.0	181.5	177.8	209.3	251.9	263.0	263.0	263.0
80°	72.3	101.9	96.3	116.7	133.4	129.6	150.0	179.7	183.4	187.0	185.3
82.5°	53.7	64.9	64.9	74.1	88.9	85.2	100.0	116.7	116.7	116.7	120.4
85°	33.4	37.0	29.6	38.9	50.0	48.1	55.6	63.0	64.9	64.9	61.1
87.5°	20.4	16.6	9.3	14.9	22.2	22.2	25.9	27.8	25.9	25.9	25.9
90°	22.7	15.8	8.8	15.8	22.7	24.5	38.5	57.1	66.5	59.1	44.3
92.5°	153.9	94.4	35.0	94.4	153.9	168.8	237.3	328.6	374.3	328.0	235.5
95°	301.6	192.7	83.9	192.7	301.6	328.8	583.9	924.0	1094.0	976.2	740.7
97.5°	337.1	241.2	145.2	241.2	337.1	361.2	786.5	1353.5	1637.0	1562.6	1413.7
100°	366.5	279.5	192.4	279.5	366.5	388.3	860.2	1489.5	1804.1	1809.5	1820.4
102.5°	395.1	313.9	232.6	313.9	395.1	415.4	894.0	1532.2	1851.3	1946.1	2135.7
105°	438.4	369.6	300.8	369.6	438.4	455.6	919.1	1537.0	1846.0	2058.6	2483.8
107.5°	499.0	434.9	370.8	434.9	499.0	515.0	923.7	1468.6	1741.1	2037.7	2630.7
110°	533.8	476.0	418.0	476.0	533.8	548.3	916.8	1407.9	1653.6	1985.1	2648.2



TEST NUMBER: P936041

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	574.7	519.5	464.4	519.5	574.7	588.5	917.0	1355.0	1574.0	1913.3	2591.9
115°	636.2	585.2	534.3	585.2	636.2	648.9	925.5	1294.3	1478.7	1805.6	2459.3
117.5°	695.9	649.6	603.4	649.6	695.9	707.5	942.7	1256.3	1413.2	1708.2	2298.1
120°	730.8	687.2	643.6	687.2	730.8	741.6	956.7	1243.5	1386.9	1656.5	2195.5
122.5°	770.9	726.9	683.0	726.9	770.9	781.8	976.8	1236.8	1366.8	1609.6	2095.0
125°	823.4	783.3	743.3	783.3	823.4	833.4	1003.9	1231.3	1344.9	1551.1	1963.4
127.5°	873.1	832.6	792.3	832.6	873.1	883.2	1031.0	1228.0	1326.5	1503.6	1857.6
130°	905.6	862.1	818.5	862.1	905.6	916.5	1050.9	1230.1	1319.6	1477.2	1792.4
132.5°	932.7	889.2	845.6	889.2	932.7	943.6	1066.9	1231.3	1313.4	1454.5	1736.7
135°	965.2	925.5	885.8	925.5	965.2	975.1	1084.4	1230.1	1303.0	1421.1	1657.4
137.5°	1005.5	966.2	926.9	966.2	1005.5	1015.3	1110.6	1237.6	1301.2	1401.1	1600.9
140°	1033.3	997.2	961.1	997.2	1033.3	1042.4	1126.6	1239.0	1295.1	1381.4	1553.9
142.5°	1054.2	1020.7	987.2	1020.7	1054.2	1062.5	1140.1	1243.4	1295.1	1370.9	1522.4
145°	1085.8	1056.7	1027.5	1056.7	1085.8	1093.1	1157.5	1243.4	1286.3	1348.3	1472.3
147.5°	1124.5	1096.1	1067.7	1096.1	1124.5	1131.6	1183.2	1251.9	1286.3	1335.1	1432.6
150°	1145.2	1119.6	1094.0	1119.6	1145.2	1151.7	1196.5	1256.4	1286.3	1327.6	1409.9
152.5°	1160.0	1140.5	1121.1	1140.5	1160.0	1164.8	1205.3	1259.3	1286.3	1321.5	1391.9
155°	1190.1	1175.7	1161.3	1175.7	1190.1	1193.6	1224.6	1265.8	1286.3	1314.3	1370.3
157.5°	1219.0	1205.0	1191.0	1205.0	1219.0	1222.5	1243.8	1272.1	1286.3	1308.1	1351.7
160°	1232.9	1222.0	1211.2	1222.0	1232.9	1235.6	1252.5	1275.0	1286.3	1305.0	1342.3
162.5°	1247.6	1239.4	1231.3	1239.4	1247.6	1249.6	1261.9	1278.2	1286.3	1302.0	1333.5
165°	1267.8	1260.5	1253.2	1260.5	1267.8	1269.7	1275.2	1282.6	1286.3	1297.7	1320.2
167.5°	1280.3	1276.7	1273.3	1276.7	1280.3	1281.1	1285.8	1292.0	1295.1	1302.5	1317.3
170°	1293.4	1289.8	1286.3	1289.8	1293.4	1294.2	1294.5	1294.9	1295.1	1302.5	1317.3
172.5°	1294.9	1294.1	1293.4	1294.1	1294.9	1295.1	1295.1	1295.1	1295.1	1300.9	1312.6
175°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1300.4	1296.9	1295.1	1298.8	1306.2
177.5°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1300.9	1298.2	1296.8	1299.7	1305.6
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



TEST NUMBER: P936041

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8	1957.8
2.5°	1889.3	1883.8	1891.2	1870.8	1891.2	1883.8	1889.3	1902.3	1891.2	1898.6	1906.0
5°	1657.8	1648.5	1618.9	1594.8	1618.9	1648.5	1657.8	1696.7	1715.2	1748.6	1793.0
7.5°	1481.8	1474.4	1467.0	1452.2	1467.0	1474.4	1481.8	1492.9	1511.4	1541.1	1574.4
10°	1442.9	1444.8	1455.9	1454.0	1455.9	1444.8	1442.9	1439.3	1433.7	1439.3	1459.6
12.5°	1542.9	1559.7	1620.8	1617.0	1620.8	1559.7	1542.9	1468.9	1418.9	1409.6	1413.3
15°	1657.8	1663.3	1676.3	1678.2	1676.3	1663.3	1657.8	1628.2	1478.1	1413.3	1392.9
17.5°	1668.9	1670.8	1680.0	1680.0	1680.0	1670.8	1668.9	1655.9	1605.9	1518.9	1404.0
20°	1659.7	1663.3	1681.9	1685.6	1681.9	1663.3	1659.7	1642.9	1615.2	1583.7	1496.7
22.5°	1655.9	1663.3	1678.2	1676.3	1678.2	1663.3	1655.9	1630.0	1605.9	1583.7	1548.5
25°	1637.4	1637.4	1639.3	1641.2	1639.3	1637.4	1637.4	1617.0	1568.9	1563.3	1542.9
27.5°	1598.5	1602.2	1613.3	1611.5	1613.3	1602.2	1598.5	1591.2	1539.3	1533.7	1518.9
30°	1563.3	1559.7	1550.4	1542.9	1550.4	1559.7	1563.3	1552.2	1500.4	1485.5	1489.3
32.5°	1504.0	1494.8	1485.5	1480.0	1485.5	1494.8	1504.0	1500.4	1461.4	1441.0	1444.8
35°	1433.7	1435.5	1433.7	1428.1	1433.7	1435.5	1433.7	1437.4	1413.3	1394.8	1392.9
37.5°	1383.6	1387.4	1385.5	1378.1	1385.5	1387.4	1383.6	1379.9	1346.6	1341.0	1344.8
40°	1331.8	1333.6	1331.8	1326.3	1331.8	1333.6	1331.8	1324.4	1278.1	1279.9	1292.9
42.5°	1281.8	1279.9	1274.4	1270.6	1274.4	1279.9	1281.8	1270.6	1211.4	1205.9	1229.9
45°	1224.4	1226.2	1215.1	1209.5	1215.1	1226.2	1224.4	1217.0	1155.9	1141.0	1157.6
47.5°	1167.0	1167.0	1157.6	1152.1	1157.6	1167.0	1167.0	1157.6	1092.9	1078.0	1087.3
50°	1105.9	1104.0	1091.0	1089.1	1091.0	1104.0	1105.9	1100.2	1031.7	1018.7	1018.7
52.5°	1035.5	1035.5	1037.2	1041.0	1037.2	1035.5	1035.5	1037.2	976.1	963.2	959.5
55°	974.3	976.1	989.1	992.8	989.1	976.1	974.3	974.3	918.7	905.7	898.3
57.5°	911.3	911.3	920.6	920.6	920.6	911.3	911.3	907.6	853.9	842.8	839.1
60°	839.1	842.8	850.2	848.3	850.2	842.8	839.1	835.3	789.1	781.7	768.7
62.5°	763.1	766.8	768.7	765.0	768.7	766.8	763.1	752.1	724.2	718.7	702.1
65°	683.5	687.2	689.1	685.3	689.1	687.2	683.5	677.9	657.6	648.3	633.5
67.5°	602.0	600.2	598.3	605.7	598.3	600.2	602.0	594.6	581.6	574.2	553.8
70°	518.7	518.7	516.8	520.4	516.8	518.7	518.7	513.1	505.7	500.2	481.6
72.5°	429.7	427.9	435.3	429.7	435.3	427.9	429.7	427.9	424.2	418.7	400.1
75°	342.7	346.4	342.7	348.3	342.7	346.4	342.7	344.5	342.7	338.9	326.0
77.5°	261.2	264.9	261.2	261.2	261.2	264.9	261.2	263.0	263.0	263.0	251.9
80°	185.3	183.4	183.4	181.5	183.4	183.4	185.3	185.3	187.0	183.4	179.7
82.5°	118.5	116.7	116.7	120.4	116.7	116.7	118.5	120.4	116.7	116.7	116.7
85°	64.9	66.6	63.0	63.0	63.0	66.6	64.9	61.1	64.9	64.9	63.0
87.5°	24.1	22.2	22.2	22.2	22.2	22.2	24.1	25.9	25.9	25.9	27.8
90°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	44.3	59.1	66.5	57.1
92.5°	166.2	159.6	133.1	106.6	133.1	159.6	166.2	235.5	328.0	374.3	328.6
95°	564.0	544.0	463.9	383.9	463.9	544.0	564.0	740.7	976.2	1094.0	924.0
97.5°	1302.1	1264.0	1111.6	959.3	1111.6	1264.0	1302.1	1413.7	1562.6	1637.0	1353.5
100°	1828.6	1783.2	1601.7	1420.2	1601.7	1783.2	1828.6	1820.4	1809.5	1804.1	1489.5
102.5°	2278.0	2239.1	2083.6	1928.2	2083.6	2239.1	2278.0	2135.7	1946.1	1851.3	1532.2
105°	2802.7	2781.8	2698.2	2614.7	2698.2	2781.8	2802.7	2483.8	2058.6	1846.0	1537.0
107.5°	3075.6	3080.6	3100.8	3121.0	3100.8	3080.6	3075.6	2630.7	2037.7	1741.1	1468.6
110°	3145.5	3167.3	3254.3	3341.4	3254.3	3167.3	3145.5	2648.2	1985.1	1653.6	1407.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3100.9	3134.3	3268.0	3401.7	3268.0	3134.3	3100.9	2591.9	1913.3	1574.0	1355.0
115°	2949.6	2995.9	3181.3	3366.7	3181.3	2995.9	2949.6	2459.3	1805.6	1478.7	1294.3
117.5°	2740.6	2792.0	2997.6	3203.2	2997.6	2792.0	2740.6	2298.1	1708.2	1413.2	1256.3
120°	2599.8	2649.7	2849.5	3049.3	2849.5	2649.7	2599.8	2195.5	1656.5	1386.9	1243.5
122.5°	2459.0	2508.3	2705.3	2902.4	2705.3	2508.3	2459.0	2095.0	1609.6	1366.8	1236.8
125°	2272.7	2318.1	2499.6	2681.1	2499.6	2318.1	2272.7	1963.4	1551.1	1344.9	1231.3
127.5°	2123.2	2161.5	2314.6	2467.8	2314.6	2161.5	2123.2	1857.6	1503.6	1326.5	1228.0
130°	2028.8	2064.1	2205.6	2347.0	2205.6	2064.1	2028.8	1792.4	1477.2	1319.6	1230.1
132.5°	1948.3	1980.0	2106.6	2233.4	2106.6	1980.0	1948.3	1736.7	1454.5	1313.4	1231.3
135°	1834.6	1861.9	1971.2	2080.4	1971.2	1861.9	1834.6	1657.4	1421.1	1303.0	1230.1
137.5°	1750.7	1773.0	1862.5	1951.9	1862.5	1773.0	1750.7	1600.9	1401.1	1301.2	1237.6
140°	1683.4	1704.2	1787.8	1871.4	1787.8	1704.2	1683.4	1553.9	1381.4	1295.1	1239.0
142.5°	1636.1	1654.1	1726.0	1797.9	1726.0	1654.1	1636.1	1522.4	1370.9	1295.1	1243.4
145°	1565.4	1578.9	1633.3	1687.7	1633.3	1578.9	1565.4	1472.3	1348.3	1286.3	1243.4
147.5°	1505.8	1517.1	1562.2	1607.3	1562.2	1517.1	1505.8	1432.6	1335.1	1286.3	1251.9
150°	1471.7	1480.9	1517.4	1553.9	1517.4	1480.9	1471.7	1409.9	1327.6	1286.3	1256.4
152.5°	1444.6	1451.5	1479.1	1506.7	1479.1	1451.5	1444.6	1391.9	1321.5	1286.3	1259.3
155°	1412.2	1416.8	1435.1	1453.4	1435.1	1416.8	1412.2	1370.3	1314.3	1286.3	1265.8
157.5°	1384.3	1387.5	1400.4	1413.2	1400.4	1387.5	1384.3	1351.7	1308.1	1286.3	1272.1
160°	1370.3	1372.1	1379.5	1386.9	1379.5	1372.1	1370.3	1342.3	1305.0	1286.3	1275.0
162.5°	1357.2	1359.0	1365.9	1372.9	1365.9	1359.0	1357.2	1333.5	1302.0	1286.3	1278.2
165°	1337.1	1339.0	1346.3	1353.6	1346.3	1339.0	1337.1	1320.2	1297.7	1286.3	1282.6
167.5°	1328.3	1329.1	1332.2	1335.3	1332.2	1329.1	1328.3	1317.3	1302.5	1295.1	1292.0
170°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1317.3	1302.5	1295.1	1294.9
172.5°	1321.3	1320.6	1317.9	1315.2	1317.9	1320.6	1321.3	1312.6	1300.9	1295.1	1295.1
175°	1311.7	1311.7	1311.7	1311.7	1311.7	1311.7	1311.7	1306.2	1298.8	1295.1	1296.9
177.5°	1310.0	1309.2	1306.1	1303.0	1306.1	1309.2	1310.0	1305.6	1299.7	1296.8	1298.2
180°	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0	1303.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1957.8	1957.8	1957.8	1957.8	1957.8
2.5°	1933.8	1943.1	1948.6	1956.0	1974.6
5°	1859.7	1894.9	1906.0	1933.8	1967.1
7.5°	1696.7	1804.1	1833.8	1900.4	1952.3
10°	1539.3	1646.7	1698.5	1856.0	1933.8
12.5°	1459.6	1522.5	1557.8	1778.2	1907.8
15°	1409.6	1454.0	1480.0	1674.4	1878.2
17.5°	1370.7	1402.2	1420.7	1572.5	1837.4
20°	1346.6	1361.4	1378.1	1498.5	1791.2
22.5°	1329.9	1320.6	1333.6	1446.6	1728.2
25°	1318.9	1283.6	1298.5	1405.9	1654.1
27.5°	1328.1	1250.3	1255.9	1368.9	1576.3
30°	1329.9	1209.5	1211.4	1329.9	1489.3
32.5°	1317.0	1167.0	1168.8	1281.8	1391.0
35°	1285.5	1116.9	1115.1	1226.2	1257.7
37.5°	1242.9	1063.2	1063.2	1165.1	1111.4
40°	1191.0	1009.5	1015.1	1085.5	981.7
42.5°	1128.0	952.1	959.5	979.9	885.4
45°	1059.5	896.5	902.1	828.0	811.3
47.5°	983.6	839.1	841.0	687.2	787.2
50°	892.8	779.8	772.4	589.1	785.3
52.5°	813.2	715.0	692.7	533.4	713.1
55°	735.3	646.4	598.3	490.8	661.3
57.5°	666.8	557.6	511.2	440.8	650.2
60°	603.8	470.4	435.3	387.2	596.4
62.5°	551.9	405.7	398.3	350.0	540.8
65°	496.4	361.2	359.3	318.5	459.4
67.5°	442.7	331.5	329.7	288.9	350.0
70°	385.3	300.0	296.4	257.5	259.3
72.5°	326.0	264.9	261.2	231.5	214.9
75°	266.8	224.1	222.3	201.9	174.1
77.5°	209.3	177.8	181.5	163.0	127.8
80°	150.0	129.6	133.4	116.7	96.3
82.5°	100.0	85.2	88.9	74.1	64.9
85°	55.6	48.1	50.0	38.9	29.6
87.5°	25.9	22.2	22.2	14.9	9.3
90°	38.5	24.5	22.7	15.8	8.8
92.5°	237.3	168.8	153.9	94.4	35.0
95°	583.9	328.8	301.6	192.7	83.9
97.5°	786.5	361.2	337.1	241.2	145.2
100°	860.2	388.3	366.5	279.5	192.4
102.5°	894.0	415.4	395.1	313.9	232.6
105°	919.1	455.6	438.4	369.6	300.8
107.5°	923.7	515.0	499.0	434.9	370.8
110°	916.8	548.3	533.8	476.0	418.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	917.0	588.5	574.7	519.5	464.4
115°	925.5	648.9	636.2	585.2	534.3
117.5°	942.7	707.5	695.9	649.6	603.4
120°	956.7	741.6	730.8	687.2	643.6
122.5°	976.8	781.8	770.9	726.9	683.0
125°	1003.9	833.4	823.4	783.3	743.3
127.5°	1031.0	883.2	873.1	832.6	792.3
130°	1050.9	916.5	905.6	862.1	818.5
132.5°	1066.9	943.6	932.7	889.2	845.6
135°	1084.4	975.1	965.2	925.5	885.8
137.5°	1110.6	1015.3	1005.5	966.2	926.9
140°	1126.6	1042.4	1033.3	997.2	961.1
142.5°	1140.1	1062.5	1054.2	1020.7	987.2
145°	1157.5	1093.1	1085.8	1056.7	1027.5
147.5°	1183.2	1131.6	1124.5	1096.1	1067.7
150°	1196.5	1151.7	1145.2	1119.6	1094.0
152.5°	1205.3	1164.8	1160.0	1140.5	1121.1
155°	1224.6	1193.6	1190.1	1175.7	1161.3
157.5°	1243.8	1222.5	1219.0	1205.0	1191.0
160°	1252.5	1235.6	1232.9	1222.0	1211.2
162.5°	1261.9	1249.6	1247.6	1239.4	1231.3
165°	1275.2	1269.7	1267.8	1260.5	1253.2
167.5°	1285.8	1281.1	1280.3	1276.7	1273.3
170°	1294.5	1294.2	1293.4	1289.8	1286.3
172.5°	1295.1	1295.1	1294.9	1294.1	1293.4
175°	1300.4	1303.0	1303.0	1303.0	1303.0
177.5°	1300.9	1303.0	1303.0	1303.0	1303.0
180°	1303.0	1303.0	1303.0	1303.0	1303.0



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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	13.25	14.02	15.45	15.02	15.78	16.08	16.84	18.28
	3H	12.66	13.34	13.73	14.41	15.87	16.36	17.04	17.42	18.11	19.56
	4H	12.85	13.50	13.93	14.57	16.03	16.79	17.44	17.87	18.51	19.97
	6H	12.96	13.56	14.05	14.63	16.11	17.07	17.67	18.16	18.74	20.22
	8H	12.96	13.53	14.05	14.62	16.09	17.14	17.71	18.23	18.80	20.27
	12H	12.93	13.47	14.03	14.55	16.04	17.18	17.71	18.27	18.80	20.29
4H	2H	13.21	13.86	14.30	14.93	16.39	15.42	16.06	16.50	17.13	18.60
	3H	14.23	14.77	15.32	15.87	17.34	16.91	17.45	18.00	18.55	20.02
	4H	14.50	15.00	15.60	16.08	17.58	17.43	17.93	18.53	19.02	20.51
	6H	14.62	15.05	15.73	16.16	17.65	17.79	18.21	18.90	19.33	20.82
	8H	14.63	15.02	15.73	16.12	17.63	17.89	18.29	19.00	19.39	20.90
	12H	14.59	14.95	15.71	16.06	17.57	17.95	18.30	19.07	19.42	20.93
8H	4H	14.95	15.34	16.05	16.45	17.95	17.55	17.94	18.66	19.05	20.56
	6H	15.21	15.53	16.33	16.68	18.18	17.98	18.31	19.11	19.45	20.96
	8H	15.25	15.53	16.38	16.66	18.18	18.13	18.42	19.26	19.54	21.07
	12H	15.23	15.48	16.36	16.60	18.16	18.22	18.47	19.36	19.60	21.16
12H	4H	14.95	15.31	16.07	16.42	17.93	17.51	17.87	18.63	18.98	20.50
	6H	15.26	15.55	16.40	16.68	18.20	17.98	18.26	19.11	19.39	20.91
	8H	15.33	15.58	16.46	16.70	18.26	18.13	18.38	19.27	19.51	21.07