

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: P936162

Luminaire Tested: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936162
REPORT IS A COMBINATION OF REPORTS P933783 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

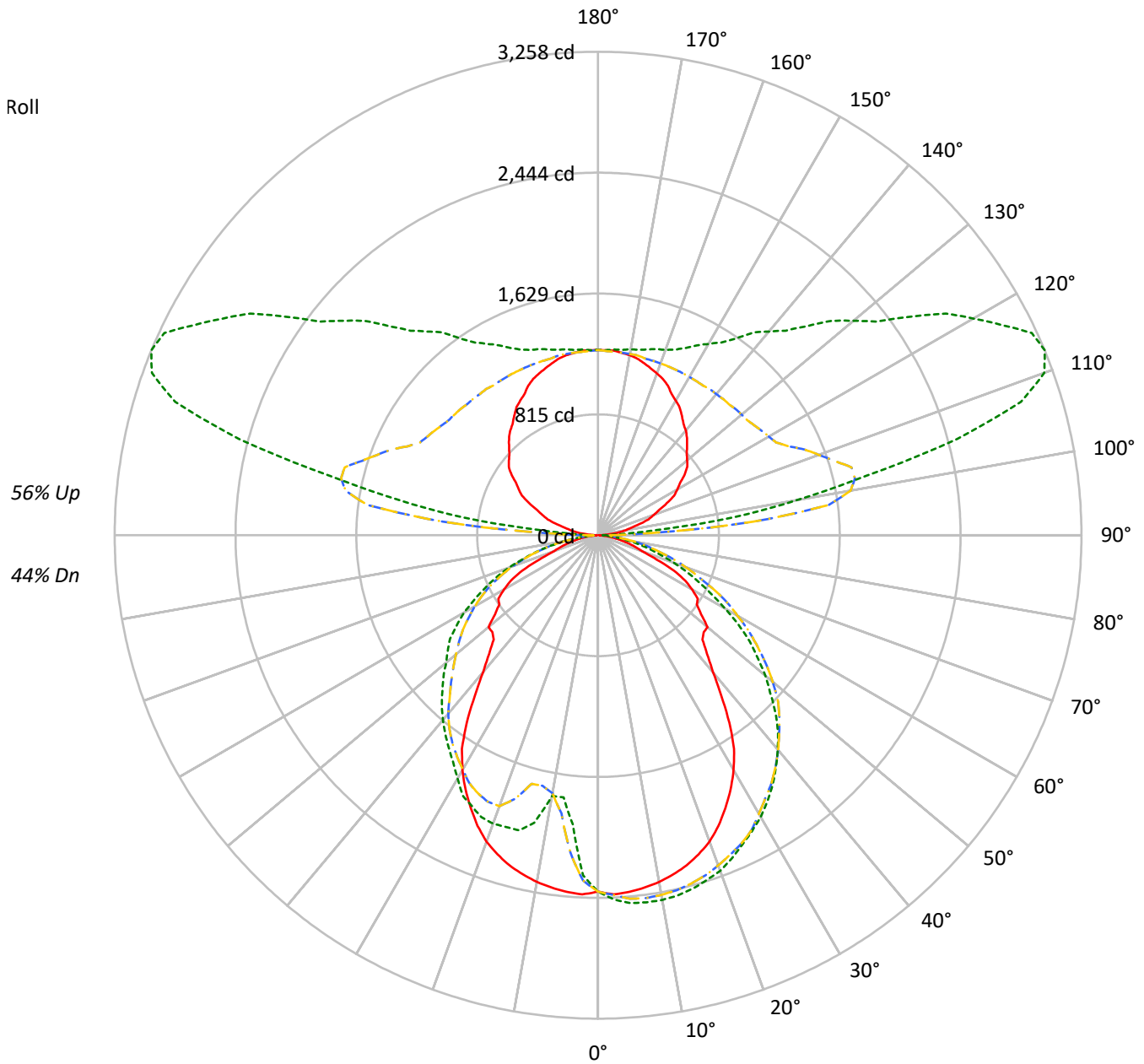
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14323.2 lumens
Efficiency: N/A
Efficacy: 114.8 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: General Diffuse

Input Watts (W): 124.8
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

TEST NUMBER: P936162
CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-3500K

Luminous Intensity Polar Plot



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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.8	1.5
10°-20°	615.6	4.3
20°-30°	951.6	6.6
30°-40°	1136.0	7.9
40°-50°	1142.7	8.0
50°-60°	994.3	6.9
60°-70°	705.0	4.9
70°-80°	373.0	2.6
80°-90°	97.7	0.7
90°-100°	608.4	4.2
100°-110°	1599.4	11.2
110°-120°	1658.4	11.6
120°-130°	1330.3	9.3
130°-140°	1043.8	7.3
140°-150°	801.1	5.6
150°-160°	576.9	4.0
160°-170°	353.0	2.5
170°-180°	119.3	0.8
0°-30°	1784.0	12.5
0°-40°	2920.0	20.4
0°-60°	5057.0	35.3
0°-90°	6232.6	43.5
90°-120°	3866.2	27.0
90°-150°	7041.4	49.2
90°-180°	8091.0	56.5
0°-180°	14323.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2402	2402	2402	2402	2402	
5°	2413	2488	2413	1956	2413	229
15°	2304	2466	2304	2059	2304	648
25°	2029	2300	2029	2013	2029	932
35°	1543	2052	1543	1752	1543	955
45°	995	1691	995	1484	995	797
55°	811	1248	811	1218	811	745
65°	564	752	564	841	564	539
75°	214	357	214	427	214	225
85°	36	91	36	77	36	49
90°	8	32	8	32	8	8
95°	80	368	80	368	80	89
105°	288	2504	288	2504	288	305
115°	512	3225	512	3225	512	505
125°	712	2568	712	2568	712	632
135°	848	1993	848	1993	848	657
145°	984	1617	984	1617	984	617
155°	1112	1392	1112	1392	1112	511
165°	1200	1297	1200	1297	1200	339
175°	1248	1256	1248	1256	1248	118
180°	1248	1248	1248	1248	1248	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2422.4	2422.4	2436.1	2440.5	2440.5	2433.7	2426.9	2433.7	2454.2	2461.0	2458.7
5°	2413.3	2431.5	2456.5	2461.0	2465.6	2463.3	2458.7	2463.3	2486.0	2490.6	2492.8
7.5°	2395.1	2429.2	2461.0	2467.8	2474.6	2467.8	2465.6	2470.1	2492.8	2497.4	2497.4
10°	2372.4	2420.1	2456.5	2461.0	2467.8	2461.0	2461.0	2470.1	2492.8	2497.4	2499.6
12.5°	2340.6	2406.5	2440.5	2445.1	2454.2	2451.9	2449.7	2458.7	2481.4	2486.0	2486.0
15°	2304.3	2381.4	2413.3	2417.9	2433.7	2429.2	2429.2	2438.3	2463.3	2470.1	2467.8
17.5°	2254.2	2349.7	2386.0	2392.8	2404.2	2401.9	2404.2	2413.3	2436.1	2440.5	2442.9
20°	2197.5	2306.5	2349.7	2356.5	2367.8	2367.8	2367.8	2379.2	2401.9	2411.0	2411.0
22.5°	2120.2	2261.0	2306.5	2311.1	2324.7	2324.7	2329.2	2345.1	2365.6	2367.8	2367.8
25°	2029.2	2211.1	2249.7	2263.3	2277.0	2283.8	2290.6	2299.7	2306.5	2304.3	2306.5
27.5°	1933.8	2147.4	2197.5	2206.5	2224.7	2231.5	2240.6	2242.8	2245.2	2252.0	2247.4
30°	1827.0	2058.8	2133.8	2142.8	2172.4	2177.0	2167.9	2172.4	2183.8	2188.3	2192.9
32.5°	1706.6	1927.0	2067.9	2088.3	2115.6	2102.0	2099.7	2106.5	2124.7	2124.7	2129.2
35°	1543.0	1824.7	2006.6	2024.7	2045.2	2029.2	2038.4	2040.6	2052.0	2058.8	2056.5
37.5°	1363.5	1736.1	1942.9	1956.5	1972.5	1952.0	1965.7	1972.5	1981.5	1977.0	1977.0
40°	1204.4	1597.5	1867.9	1877.0	1890.6	1874.7	1888.4	1893.0	1897.4	1893.0	1890.6
42.5°	1086.2	1445.2	1788.4	1799.8	1790.6	1802.0	1806.6	1815.7	1808.8	1799.8	1799.8
45°	995.3	1404.4	1702.0	1715.7	1702.0	1720.3	1727.1	1727.1	1706.6	1702.0	1699.7
47.5°	965.8	1322.6	1615.7	1615.7	1608.9	1631.6	1643.0	1627.1	1606.5	1599.7	1599.7
50°	963.5	1231.7	1497.5	1488.5	1520.2	1547.5	1536.2	1520.2	1504.3	1479.3	1479.3
52.5°	874.9	1120.3	1345.3	1379.3	1429.4	1445.2	1427.0	1411.2	1383.9	1372.5	1363.5
55°	811.2	1004.4	1206.6	1274.8	1327.1	1347.5	1313.4	1297.6	1256.7	1249.9	1245.3
57.5°	797.6	836.2	1079.4	1165.8	1229.4	1227.1	1206.6	1177.1	1143.0	1136.2	1133.9
60°	731.7	604.4	943.0	1045.3	1111.2	1104.4	1086.2	1059.0	1027.1	1022.6	1018.1
62.5°	663.5	438.6	788.5	904.4	997.6	995.3	979.4	938.5	915.8	904.4	895.3
65°	563.6	368.2	561.3	752.2	886.3	890.7	856.7	827.2	802.2	788.5	786.3
67.5°	429.5	299.9	379.5	627.2	779.5	774.9	731.7	718.0	686.3	679.5	665.8
70°	318.1	200.0	263.6	509.0	674.9	663.5	629.5	613.6	584.0	568.1	559.0
72.5°	263.6	161.3	193.1	395.4	568.1	554.5	524.9	506.7	481.8	468.2	459.0
75°	213.6	170.5	147.7	293.1	461.3	452.2	424.9	406.7	386.3	368.2	370.4
77.5°	156.8	159.1	118.2	215.9	365.8	352.2	336.3	313.6	304.5	286.3	286.3
80°	118.2	125.0	88.6	147.7	263.6	263.6	250.0	234.0	218.2	209.1	209.1
82.5°	79.5	79.5	65.9	93.2	179.5	172.7	163.6	159.1	150.0	145.4	145.4
85°	36.3	45.5	40.9	56.9	97.7	102.2	102.2	97.7	95.4	90.9	93.2
87.5°	11.4	20.4	25.0	31.8	50.0	52.3	54.5	54.5	54.5	56.9	56.9
90°	8.4	15.1	21.8	23.5	36.9	54.7	63.7	56.6	42.4	31.9	31.9
92.5°	33.5	90.4	147.5	161.7	227.3	314.8	358.5	314.2	225.6	159.2	152.8
95°	80.4	184.6	288.9	315.0	559.3	885.0	1047.9	935.1	709.4	540.2	521.1
97.5°	139.0	231.0	322.9	345.9	753.3	1296.5	1568.0	1496.8	1354.2	1247.3	1210.7
100°	184.3	267.7	351.1	371.9	824.0	1426.7	1728.0	1733.2	1743.7	1751.5	1708.1
102.5°	222.8	300.6	378.4	397.9	856.4	1467.6	1773.3	1864.0	2045.7	2182.0	2144.7
105°	288.1	354.0	419.9	436.4	880.4	1472.3	1768.2	1971.8	2379.1	2684.6	2664.5
107.5°	355.2	416.6	478.0	493.3	884.7	1406.7	1667.7	1951.8	2519.9	2945.9	2950.8
110°	400.4	455.9	511.3	525.2	878.1	1348.6	1583.9	1901.5	2536.6	3012.9	3033.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	444.8	497.6	550.4	563.7	878.4	1297.9	1507.7	1832.7	2482.7	2970.2	3002.2
115°	511.8	560.6	609.3	621.5	886.4	1239.7	1416.4	1729.5	2355.7	2825.2	2869.7
117.5°	577.9	622.2	666.6	677.7	903.0	1203.4	1353.6	1636.2	2201.2	2625.1	2674.3
120°	616.5	658.2	700.0	710.3	916.4	1191.1	1328.5	1586.7	2103.0	2490.2	2538.0
122.5°	654.2	696.3	738.4	748.8	935.6	1184.7	1309.2	1541.7	2006.7	2355.4	2402.6
125°	712.0	750.3	788.7	798.3	961.6	1179.4	1288.3	1485.8	1880.7	2177.0	2220.4
127.5°	758.9	797.5	836.3	846.0	987.5	1176.3	1270.6	1440.2	1779.3	2033.7	2070.4
130°	784.0	825.7	867.5	877.9	1006.6	1178.2	1264.0	1415.0	1716.9	1943.3	1977.1
132.5°	810.0	851.7	893.4	903.8	1021.9	1179.4	1258.1	1393.2	1663.5	1866.2	1896.5
135°	848.5	886.4	924.5	934.0	1038.7	1178.2	1248.1	1361.2	1587.6	1757.3	1783.5
137.5°	887.9	925.5	963.1	972.5	1063.8	1185.5	1246.4	1342.1	1533.4	1676.9	1698.3
140°	920.6	955.2	989.8	998.5	1079.1	1186.7	1240.5	1323.2	1488.5	1612.5	1632.4
142.5°	945.6	977.7	1009.7	1017.7	1092.0	1191.0	1240.5	1313.2	1458.3	1567.2	1584.3
145°	984.2	1012.2	1040.1	1047.1	1108.8	1191.0	1232.1	1291.5	1410.3	1499.4	1512.4
147.5°	1022.7	1049.9	1077.1	1083.9	1133.3	1199.2	1232.1	1278.9	1372.2	1442.3	1453.2
150°	1047.9	1072.4	1096.9	1103.1	1146.1	1203.5	1232.1	1271.6	1350.5	1409.7	1418.4
152.5°	1073.8	1092.5	1111.1	1115.7	1154.5	1206.3	1232.1	1265.8	1333.2	1383.7	1390.3
155°	1112.3	1126.1	1139.9	1143.3	1172.9	1212.4	1232.1	1258.9	1312.5	1352.7	1357.1
157.5°	1140.8	1154.2	1167.7	1171.0	1191.4	1218.5	1232.1	1253.0	1294.7	1326.0	1329.0
160°	1160.1	1170.5	1180.9	1183.5	1199.7	1221.3	1232.1	1250.0	1285.8	1312.5	1314.3
162.5°	1179.4	1187.2	1195.0	1196.9	1208.7	1224.3	1232.1	1247.2	1277.3	1300.0	1301.7
165°	1200.3	1207.4	1214.4	1216.2	1221.5	1228.5	1232.1	1243.0	1264.5	1280.7	1282.5
167.5°	1219.6	1222.9	1226.3	1227.1	1231.6	1237.6	1240.5	1247.6	1261.8	1272.3	1273.0
170°	1232.1	1235.4	1238.8	1239.6	1239.9	1240.4	1240.5	1247.6	1261.8	1272.3	1272.3
172.5°	1238.8	1239.6	1240.4	1240.5	1240.5	1240.5	1240.5	1246.1	1257.3	1265.6	1265.0
175°	1248.1	1248.1	1248.1	1248.1	1245.6	1242.2	1240.5	1244.0	1251.1	1256.4	1256.4
177.5°	1248.1	1248.1	1248.1	1248.1	1246.1	1243.5	1242.2	1244.9	1250.6	1254.8	1254.1
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2463.3	2456.5	2463.3	2458.7	2461.0	2454.2	2433.7	2426.9	2433.7	2440.5	2440.5
5°	2492.8	2488.3	2492.8	2492.8	2490.6	2486.0	2463.3	2458.7	2463.3	2465.6	2461.0
7.5°	2501.9	2495.1	2501.9	2497.4	2497.4	2492.8	2470.1	2465.6	2467.8	2474.6	2467.8
10°	2501.9	2495.1	2501.9	2499.6	2497.4	2492.8	2470.1	2461.0	2461.0	2467.8	2461.0
12.5°	2490.6	2486.0	2490.6	2486.0	2486.0	2481.4	2458.7	2449.7	2451.9	2454.2	2445.1
15°	2472.4	2465.6	2472.4	2467.8	2470.1	2463.3	2438.3	2429.2	2429.2	2433.7	2417.9
17.5°	2445.1	2436.1	2445.1	2442.9	2440.5	2436.1	2413.3	2404.2	2401.9	2404.2	2392.8
20°	2413.3	2406.5	2413.3	2411.0	2411.0	2401.9	2379.2	2367.8	2367.8	2367.8	2356.5
22.5°	2363.3	2356.5	2363.3	2367.8	2367.8	2365.6	2345.1	2329.2	2324.7	2324.7	2311.1
25°	2306.5	2299.7	2306.5	2306.5	2304.3	2306.5	2299.7	2290.6	2283.8	2277.0	2263.3
27.5°	2252.0	2247.4	2252.0	2247.4	2252.0	2245.2	2242.8	2240.6	2231.5	2224.7	2206.5
30°	2197.5	2192.9	2197.5	2192.9	2188.3	2183.8	2172.4	2167.9	2177.0	2172.4	2142.8
32.5°	2129.2	2124.7	2129.2	2129.2	2124.7	2124.7	2106.5	2099.7	2102.0	2115.6	2088.3
35°	2058.8	2052.0	2058.8	2056.5	2058.8	2052.0	2040.6	2038.4	2029.2	2045.2	2024.7
37.5°	1977.0	1970.1	1977.0	1977.0	1977.0	1981.5	1972.5	1965.7	1952.0	1972.5	1956.5
40°	1893.0	1883.8	1893.0	1890.6	1893.0	1897.4	1893.0	1888.4	1874.7	1890.6	1877.0
42.5°	1797.5	1795.2	1797.5	1799.8	1799.8	1808.8	1815.7	1806.6	1802.0	1790.6	1799.8
45°	1695.2	1690.7	1695.2	1699.7	1702.0	1706.6	1727.1	1727.1	1720.3	1702.0	1715.7
47.5°	1586.1	1574.8	1586.1	1599.7	1599.7	1606.5	1627.1	1643.0	1631.6	1608.9	1615.7
50°	1470.3	1472.5	1470.3	1479.3	1479.3	1504.3	1520.2	1536.2	1547.5	1520.2	1488.5
52.5°	1356.7	1354.3	1356.7	1363.5	1372.5	1383.9	1411.2	1427.0	1445.2	1429.4	1379.3
55°	1243.0	1247.5	1243.0	1245.3	1249.9	1256.7	1297.6	1313.4	1347.5	1327.1	1274.8
57.5°	1129.3	1122.5	1129.3	1133.9	1136.2	1143.0	1177.1	1206.6	1227.1	1229.4	1165.8
60°	997.6	988.5	997.6	1018.1	1022.6	1027.1	1059.0	1086.2	1104.4	1111.2	1045.3
62.5°	881.7	865.8	881.7	895.3	904.4	915.8	938.5	979.4	995.3	997.6	904.4
65°	759.0	752.2	759.0	786.3	788.5	802.2	827.2	856.7	890.7	886.3	752.2
67.5°	647.7	647.7	647.7	665.8	679.5	686.3	718.0	731.7	774.9	779.5	627.2
70°	545.3	543.1	545.3	559.0	568.1	584.0	613.6	629.5	663.5	674.9	509.0
72.5°	447.7	445.4	447.7	459.0	468.2	481.8	506.7	524.9	554.5	568.1	395.4
75°	361.3	356.8	361.3	370.4	368.2	386.3	406.7	424.9	452.2	461.3	293.1
77.5°	277.3	277.3	277.3	286.3	286.3	304.5	313.6	336.3	352.2	365.8	215.9
80°	206.8	204.5	206.8	209.1	209.1	218.2	234.0	250.0	263.6	263.6	147.7
82.5°	145.4	140.9	145.4	145.4	145.4	150.0	159.1	163.6	172.7	179.5	93.2
85°	90.9	90.9	90.9	93.2	90.9	95.4	97.7	102.2	102.2	97.7	56.9
87.5°	59.1	56.9	59.1	56.9	56.9	54.5	54.5	54.5	52.3	50.0	31.8
90°	31.9	31.9	31.9	31.9	31.9	42.4	56.6	63.7	54.7	36.9	23.5
92.5°	127.5	102.2	127.5	152.8	159.2	225.6	314.2	358.5	314.8	227.3	161.7
95°	444.3	367.7	444.3	521.1	540.2	709.4	935.1	1047.9	885.0	559.3	315.0
97.5°	1064.8	918.9	1064.8	1210.7	1247.3	1354.2	1496.8	1568.0	1296.5	753.3	345.9
100°	1534.2	1360.3	1534.2	1708.1	1751.5	1743.7	1733.2	1728.0	1426.7	824.0	371.9
102.5°	1995.8	1846.9	1995.8	2144.7	2182.0	2045.7	1864.0	1773.3	1467.6	856.4	397.9
105°	2584.5	2504.5	2584.5	2664.5	2684.6	2379.1	1971.8	1768.2	1472.3	880.4	436.4
107.5°	2970.1	2989.4	2970.1	2950.8	2945.9	2519.9	1951.8	1667.7	1406.7	884.7	493.3
110°	3117.1	3200.6	3117.1	3033.8	3012.9	2536.6	1901.5	1583.9	1348.6	878.1	525.2



TEST NUMBER: P936162

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3130.3	3258.3	3130.3	3002.2	2970.2	2482.7	1832.7	1507.7	1297.9	878.4	563.7
115°	3047.2	3224.8	3047.2	2869.7	2825.2	2355.7	1729.5	1416.4	1239.7	886.4	621.5
117.5°	2871.3	3068.2	2871.3	2674.3	2625.1	2201.2	1636.2	1353.6	1203.4	903.0	677.7
120°	2729.4	2920.8	2729.4	2538.0	2490.2	2103.0	1586.7	1328.5	1191.1	916.4	710.3
122.5°	2591.3	2780.0	2591.3	2402.6	2355.4	2006.7	1541.7	1309.2	1184.7	935.6	748.8
125°	2394.2	2568.1	2394.2	2220.4	2177.0	1880.7	1485.8	1288.3	1179.4	961.6	798.3
127.5°	2217.1	2363.8	2217.1	2070.4	2033.7	1779.3	1440.2	1270.6	1176.3	987.5	846.0
130°	2112.7	2248.1	2112.7	1977.1	1943.3	1716.9	1415.0	1264.0	1178.2	1006.6	877.9
132.5°	2017.9	2139.3	2017.9	1896.5	1866.2	1663.5	1393.2	1258.1	1179.4	1021.9	903.8
135°	1888.1	1992.7	1888.1	1783.5	1757.3	1587.6	1361.2	1248.1	1178.2	1038.7	934.0
137.5°	1784.0	1869.6	1784.0	1698.3	1676.9	1533.4	1342.1	1246.4	1185.5	1063.8	972.5
140°	1712.5	1792.5	1712.5	1632.4	1612.5	1488.5	1323.2	1240.5	1186.7	1079.1	998.5
142.5°	1653.3	1722.1	1653.3	1584.3	1567.2	1458.3	1313.2	1240.5	1191.0	1092.0	1017.7
145°	1564.5	1616.6	1564.5	1512.4	1499.4	1410.3	1291.5	1232.1	1191.0	1108.8	1047.1
147.5°	1496.3	1539.6	1496.3	1453.2	1442.3	1372.2	1278.9	1232.1	1199.2	1133.3	1083.9
150°	1453.4	1488.5	1453.4	1418.4	1409.7	1350.5	1271.6	1232.1	1203.5	1146.1	1103.1
152.5°	1416.7	1443.2	1416.7	1390.3	1383.7	1333.2	1265.8	1232.1	1206.3	1154.5	1115.7
155°	1374.6	1392.1	1374.6	1357.1	1352.7	1312.5	1258.9	1232.1	1212.4	1172.9	1143.3
157.5°	1341.4	1353.6	1341.4	1329.0	1326.0	1294.7	1253.0	1232.1	1218.5	1191.4	1171.0
160°	1321.4	1328.5	1321.4	1314.3	1312.5	1285.8	1250.0	1232.1	1221.3	1199.7	1183.5
162.5°	1308.3	1315.0	1308.3	1301.7	1300.0	1277.3	1247.2	1232.1	1224.3	1208.7	1196.9
165°	1289.5	1296.6	1289.5	1282.5	1280.7	1264.5	1243.0	1232.1	1228.5	1221.5	1216.2
167.5°	1276.1	1279.0	1276.1	1273.0	1272.3	1261.8	1247.6	1240.5	1237.6	1231.6	1227.1
170°	1272.3	1272.3	1272.3	1272.3	1272.3	1261.8	1247.6	1240.5	1240.4	1239.9	1239.6
172.5°	1262.4	1259.8	1262.4	1265.0	1265.6	1257.3	1246.1	1240.5	1240.5	1240.5	1240.5
175°	1256.4	1256.4	1256.4	1256.4	1256.4	1251.1	1244.0	1240.5	1242.2	1245.6	1248.1
177.5°	1251.0	1248.1	1251.0	1254.1	1254.8	1250.6	1244.9	1242.2	1243.5	1246.1	1248.1
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



TEST NUMBER: P936162

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2436.1	2422.4	2422.4	2399.7	2390.6	2383.8	2372.4	2338.3	2329.2	2320.1	2333.7
5°	2456.5	2431.5	2413.3	2372.4	2338.3	2324.7	2281.5	2199.7	2145.2	2104.3	2081.5
7.5°	2461.0	2429.2	2395.1	2331.5	2249.7	2213.3	2081.5	1931.5	1890.6	1854.3	1831.5
10°	2456.5	2420.1	2372.4	2277.0	2083.8	2020.2	1888.4	1790.6	1765.6	1758.8	1765.6
12.5°	2440.5	2406.5	2340.6	2181.5	1911.1	1867.9	1790.6	1733.9	1729.3	1740.7	1802.0
15°	2413.3	2381.4	2304.3	2054.3	1815.7	1783.8	1729.3	1708.9	1733.9	1813.4	1997.4
17.5°	2386.0	2349.7	2254.2	1929.3	1742.9	1720.3	1681.6	1722.5	1863.4	1970.1	2031.6
20°	2349.7	2306.5	2197.5	1838.3	1690.7	1670.2	1652.0	1836.1	1942.9	1981.5	2015.6
22.5°	2306.5	2261.0	2120.2	1774.8	1636.1	1620.2	1631.6	1899.8	1942.9	1970.1	1999.7
25°	2249.7	2211.1	2029.2	1724.7	1592.9	1574.8	1617.9	1893.0	1917.9	1924.7	1983.8
27.5°	2197.5	2147.4	1933.8	1679.3	1540.7	1533.8	1629.3	1863.4	1881.6	1888.4	1952.0
30°	2133.8	2058.8	1827.0	1631.6	1486.1	1483.9	1631.6	1827.0	1822.5	1840.7	1904.2
32.5°	2067.9	1927.0	1706.6	1572.5	1433.9	1431.6	1615.7	1772.4	1768.0	1793.0	1840.7
35°	2006.6	1824.7	1543.0	1504.3	1367.9	1370.3	1577.1	1708.9	1711.1	1733.9	1763.4
37.5°	1942.9	1736.1	1363.5	1429.4	1304.4	1304.4	1524.8	1649.8	1645.2	1652.0	1692.9
40°	1867.9	1597.5	1204.4	1331.6	1245.3	1238.5	1461.1	1586.1	1570.2	1568.0	1624.8
42.5°	1788.4	1445.2	1086.2	1202.1	1177.1	1168.0	1383.9	1508.9	1479.3	1486.1	1558.8
45°	1702.0	1404.4	995.3	1015.7	1106.7	1099.8	1299.8	1420.2	1399.8	1418.0	1492.9
47.5°	1615.7	1322.6	965.8	843.0	1031.7	1029.4	1206.6	1333.9	1322.6	1340.7	1420.2
50°	1497.5	1231.7	963.5	722.6	947.6	956.6	1095.3	1249.9	1249.9	1265.7	1349.8
52.5°	1345.3	1120.3	874.9	654.5	849.9	877.1	997.6	1177.1	1181.6	1197.6	1272.5
55°	1206.6	1004.4	811.2	602.2	734.0	793.1	902.1	1102.1	1111.2	1127.1	1195.2
57.5°	1079.4	836.2	797.6	540.9	627.2	684.0	818.0	1029.4	1033.9	1047.6	1113.5
60°	943.0	604.4	731.7	475.0	534.1	577.2	740.8	943.0	959.0	968.0	1024.9
62.5°	788.5	438.6	663.5	429.5	488.6	497.6	677.2	861.2	881.7	888.5	922.6
65°	561.3	368.2	563.6	390.9	440.9	443.1	609.0	777.1	795.3	806.7	831.7
67.5°	379.5	299.9	429.5	354.5	404.5	406.7	543.1	679.5	704.4	713.6	729.4
70°	263.6	200.0	318.1	315.9	363.6	368.2	472.6	590.8	613.6	620.4	629.5
72.5°	193.1	161.3	263.6	284.1	320.4	325.0	399.9	490.8	513.6	520.4	524.9
75°	147.7	170.5	213.6	247.7	272.7	275.0	327.2	399.9	415.9	420.4	422.7
77.5°	118.2	159.1	156.8	200.0	222.7	218.2	256.8	309.1	322.7	322.7	322.7
80°	88.6	125.0	118.2	143.2	163.6	159.1	184.1	220.4	225.0	229.5	227.2
82.5°	65.9	79.5	79.5	90.9	109.0	104.6	122.7	143.2	143.2	143.2	147.7
85°	40.9	45.5	36.3	47.7	61.3	59.1	68.1	77.3	79.5	79.5	75.0
87.5°	25.0	20.4	11.4	18.2	27.3	27.3	31.8	34.1	31.8	31.8	31.8
90°	21.8	15.1	8.4	15.1	21.8	23.5	36.9	54.7	63.7	56.6	42.4
92.5°	147.5	90.4	33.5	90.4	147.5	161.7	227.3	314.8	358.5	314.2	225.6
95°	288.9	184.6	80.4	184.6	288.9	315.0	559.3	885.0	1047.9	935.1	709.4
97.5°	322.9	231.0	139.0	231.0	322.9	345.9	753.3	1296.5	1568.0	1496.8	1354.2
100°	351.1	267.7	184.3	267.7	351.1	371.9	824.0	1426.7	1728.0	1733.2	1743.7
102.5°	378.4	300.6	222.8	300.6	378.4	397.9	856.4	1467.6	1773.3	1864.0	2045.7
105°	419.9	354.0	288.1	354.0	419.9	436.4	880.4	1472.3	1768.2	1971.8	2379.1
107.5°	478.0	416.6	355.2	416.6	478.0	493.3	884.7	1406.7	1667.7	1951.8	2519.9
110°	511.3	455.9	400.4	455.9	511.3	525.2	878.1	1348.6	1583.9	1901.5	2536.6



TEST NUMBER: P936162

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	550.4	497.6	444.8	497.6	550.4	563.7	878.4	1297.9	1507.7	1832.7	2482.7
115°	609.3	560.6	511.8	560.6	609.3	621.5	886.4	1239.7	1416.4	1729.5	2355.7
117.5°	666.6	622.2	577.9	622.2	666.6	677.7	903.0	1203.4	1353.6	1636.2	2201.2
120°	700.0	658.2	616.5	658.2	700.0	710.3	916.4	1191.1	1328.5	1586.7	2103.0
122.5°	738.4	696.3	654.2	696.3	738.4	748.8	935.6	1184.7	1309.2	1541.7	2006.7
125°	788.7	750.3	712.0	750.3	788.7	798.3	961.6	1179.4	1288.3	1485.8	1880.7
127.5°	836.3	797.5	758.9	797.5	836.3	846.0	987.5	1176.3	1270.6	1440.2	1779.3
130°	867.5	825.7	784.0	825.7	867.5	877.9	1006.6	1178.2	1264.0	1415.0	1716.9
132.5°	893.4	851.7	810.0	851.7	893.4	903.8	1021.9	1179.4	1258.1	1393.2	1663.5
135°	924.5	886.4	848.5	886.4	924.5	934.0	1038.7	1178.2	1248.1	1361.2	1587.6
137.5°	963.1	925.5	887.9	925.5	963.1	972.5	1063.8	1185.5	1246.4	1342.1	1533.4
140°	989.8	955.2	920.6	955.2	989.8	998.5	1079.1	1186.7	1240.5	1323.2	1488.5
142.5°	1009.7	977.7	945.6	977.7	1009.7	1017.7	1092.0	1191.0	1240.5	1313.2	1458.3
145°	1040.1	1012.2	984.2	1012.2	1040.1	1047.1	1108.8	1191.0	1232.1	1291.5	1410.3
147.5°	1077.1	1049.9	1022.7	1049.9	1077.1	1083.9	1133.3	1199.2	1232.1	1278.9	1372.2
150°	1096.9	1072.4	1047.9	1072.4	1096.9	1103.1	1146.1	1203.5	1232.1	1271.6	1350.5
152.5°	1111.1	1092.5	1073.8	1092.5	1111.1	1115.7	1154.5	1206.3	1232.1	1265.8	1333.2
155°	1139.9	1126.1	1112.3	1126.1	1139.9	1143.3	1172.9	1212.4	1232.1	1258.9	1312.5
157.5°	1167.7	1154.2	1140.8	1154.2	1167.7	1171.0	1191.4	1218.5	1232.1	1253.0	1294.7
160°	1180.9	1170.5	1160.1	1170.5	1180.9	1183.5	1199.7	1221.3	1232.1	1250.0	1285.8
162.5°	1195.0	1187.2	1179.4	1187.2	1195.0	1196.9	1208.7	1224.3	1232.1	1247.2	1277.3
165°	1214.4	1207.4	1200.3	1207.4	1214.4	1216.2	1221.5	1228.5	1232.1	1243.0	1264.5
167.5°	1226.3	1222.9	1219.6	1222.9	1226.3	1227.1	1231.6	1237.6	1240.5	1247.6	1261.8
170°	1238.8	1235.4	1232.1	1235.4	1238.8	1239.6	1239.9	1240.4	1240.5	1247.6	1261.8
172.5°	1240.4	1239.6	1238.8	1239.6	1240.4	1240.5	1240.5	1240.5	1240.5	1246.1	1257.3
175°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1245.6	1242.2	1240.5	1244.0	1251.1
177.5°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1246.1	1243.5	1242.2	1244.9	1250.6
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



TEST NUMBER: P936162

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2317.9	2311.1	2320.1	2295.1	2320.1	2311.1	2317.9	2333.7	2320.1	2329.2	2338.3
5°	2033.8	2022.4	1986.1	1956.5	1986.1	2022.4	2033.8	2081.5	2104.3	2145.2	2199.7
7.5°	1817.9	1808.8	1799.8	1781.6	1799.8	1808.8	1817.9	1831.5	1854.3	1890.6	1931.5
10°	1770.2	1772.4	1786.1	1783.8	1786.1	1772.4	1770.2	1765.6	1758.8	1765.6	1790.6
12.5°	1893.0	1913.4	1988.4	1983.8	1988.4	1913.4	1893.0	1802.0	1740.7	1729.3	1733.9
15°	2033.8	2040.6	2056.5	2058.8	2056.5	2040.6	2033.8	1997.4	1813.4	1733.9	1708.9
17.5°	2047.4	2049.7	2061.1	2061.1	2061.1	2049.7	2047.4	2031.6	1970.1	1863.4	1722.5
20°	2036.1	2040.6	2063.3	2067.9	2063.3	2040.6	2036.1	2015.6	1981.5	1942.9	1836.1
22.5°	2031.6	2040.6	2058.8	2056.5	2058.8	2040.6	2031.6	1999.7	1970.1	1942.9	1899.8
25°	2008.8	2008.8	2011.0	2013.4	2011.0	2008.8	2008.8	1983.8	1924.7	1917.9	1893.0
27.5°	1961.1	1965.7	1979.3	1977.0	1979.3	1965.7	1961.1	1952.0	1888.4	1881.6	1863.4
30°	1917.9	1913.4	1902.0	1893.0	1902.0	1913.4	1917.9	1904.2	1840.7	1822.5	1827.0
32.5°	1845.2	1833.9	1822.5	1815.7	1822.5	1833.9	1845.2	1840.7	1793.0	1768.0	1772.4
35°	1758.8	1761.1	1758.8	1752.0	1758.8	1761.1	1758.8	1763.4	1733.9	1711.1	1708.9
37.5°	1697.5	1702.0	1699.7	1690.7	1699.7	1702.0	1697.5	1692.9	1652.0	1645.2	1649.8
40°	1633.9	1636.1	1633.9	1627.1	1633.9	1636.1	1633.9	1624.8	1568.0	1570.2	1586.1
42.5°	1572.5	1570.2	1563.4	1558.8	1563.4	1570.2	1572.5	1558.8	1486.1	1479.3	1508.9
45°	1502.1	1504.3	1490.7	1483.9	1490.7	1504.3	1502.1	1492.9	1418.0	1399.8	1420.2
47.5°	1431.6	1431.6	1420.2	1413.4	1420.2	1431.6	1431.6	1420.2	1340.7	1322.6	1333.9
50°	1356.7	1354.3	1338.5	1336.2	1338.5	1354.3	1356.7	1349.8	1265.7	1249.9	1249.9
52.5°	1270.3	1270.3	1272.5	1277.1	1272.5	1270.3	1270.3	1272.5	1197.6	1181.6	1177.1
55°	1195.2	1197.6	1213.5	1218.0	1213.5	1197.6	1195.2	1195.2	1127.1	1111.2	1102.1
57.5°	1118.1	1118.1	1129.3	1129.3	1129.3	1118.1	1118.1	1113.5	1047.6	1033.9	1029.4
60°	1029.4	1033.9	1043.0	1040.8	1043.0	1033.9	1029.4	1024.9	968.0	959.0	943.0
62.5°	936.2	940.8	943.0	938.5	943.0	940.8	936.2	922.6	888.5	881.7	861.2
65°	838.5	843.0	845.4	840.8	845.4	843.0	838.5	831.7	806.7	795.3	777.1
67.5°	738.5	736.2	734.0	743.1	734.0	736.2	738.5	729.4	713.6	704.4	679.5
70°	636.3	636.3	634.0	638.5	634.0	636.3	636.3	629.5	620.4	613.6	590.8
72.5°	527.2	524.9	534.1	527.2	534.1	524.9	527.2	524.9	520.4	513.6	490.8
75°	420.4	424.9	420.4	427.2	420.4	424.9	420.4	422.7	420.4	415.9	399.9
77.5°	320.4	325.0	320.4	320.4	320.4	325.0	320.4	322.7	322.7	322.7	309.1
80°	227.2	225.0	225.0	222.7	225.0	225.0	227.2	227.2	229.5	225.0	220.4
82.5°	145.4	143.2	143.2	147.7	143.2	143.2	145.4	147.7	143.2	143.2	143.2
85°	79.5	81.8	77.3	77.3	77.3	81.8	79.5	75.0	79.5	79.5	77.3
87.5°	29.5	27.3	27.3	27.3	27.3	27.3	29.5	31.8	31.8	31.8	34.1
90°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	42.4	56.6	63.7	54.7
92.5°	159.2	152.8	127.5	102.2	127.5	152.8	159.2	225.6	314.2	358.5	314.8
95°	540.2	521.1	444.3	367.7	444.3	521.1	540.2	709.4	935.1	1047.9	885.0
97.5°	1247.3	1210.7	1064.8	918.9	1064.8	1210.7	1247.3	1354.2	1496.8	1568.0	1296.5
100°	1751.5	1708.1	1534.2	1360.3	1534.2	1708.1	1751.5	1743.7	1733.2	1728.0	1426.7
102.5°	2182.0	2144.7	1995.8	1846.9	1995.8	2144.7	2182.0	2045.7	1864.0	1773.3	1467.6
105°	2684.6	2664.5	2584.5	2504.5	2584.5	2664.5	2684.6	2379.1	1971.8	1768.2	1472.3
107.5°	2945.9	2950.8	2970.1	2989.4	2970.1	2950.8	2945.9	2519.9	1951.8	1667.7	1406.7
110°	3012.9	3033.8	3117.1	3200.6	3117.1	3033.8	3012.9	2536.6	1901.5	1583.9	1348.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2970.2	3002.2	3130.3	3258.3	3130.3	3002.2	2970.2	2482.7	1832.7	1507.7	1297.9
115°	2825.2	2869.7	3047.2	3224.8	3047.2	2869.7	2825.2	2355.7	1729.5	1416.4	1239.7
117.5°	2625.1	2674.3	2871.3	3068.2	2871.3	2674.3	2625.1	2201.2	1636.2	1353.6	1203.4
120°	2490.2	2538.0	2729.4	2920.8	2729.4	2538.0	2490.2	2103.0	1586.7	1328.5	1191.1
122.5°	2355.4	2402.6	2591.3	2780.0	2591.3	2402.6	2355.4	2006.7	1541.7	1309.2	1184.7
125°	2177.0	2220.4	2394.2	2568.1	2394.2	2220.4	2177.0	1880.7	1485.8	1288.3	1179.4
127.5°	2033.7	2070.4	2217.1	2363.8	2217.1	2070.4	2033.7	1779.3	1440.2	1270.6	1176.3
130°	1943.3	1977.1	2112.7	2248.1	2112.7	1977.1	1943.3	1716.9	1415.0	1264.0	1178.2
132.5°	1866.2	1896.5	2017.9	2139.3	2017.9	1896.5	1866.2	1663.5	1393.2	1258.1	1179.4
135°	1757.3	1783.5	1888.1	1992.7	1888.1	1783.5	1757.3	1587.6	1361.2	1248.1	1178.2
137.5°	1676.9	1698.3	1784.0	1869.6	1784.0	1698.3	1676.9	1533.4	1342.1	1246.4	1185.5
140°	1612.5	1632.4	1712.5	1792.5	1712.5	1632.4	1612.5	1488.5	1323.2	1240.5	1186.7
142.5°	1567.2	1584.3	1653.3	1722.1	1653.3	1584.3	1567.2	1458.3	1313.2	1240.5	1191.0
145°	1499.4	1512.4	1564.5	1616.6	1564.5	1512.4	1499.4	1410.3	1291.5	1232.1	1191.0
147.5°	1442.3	1453.2	1496.3	1539.6	1496.3	1453.2	1442.3	1372.2	1278.9	1232.1	1199.2
150°	1409.7	1418.4	1453.4	1488.5	1453.4	1418.4	1409.7	1350.5	1271.6	1232.1	1203.5
152.5°	1383.7	1390.3	1416.7	1443.2	1416.7	1390.3	1383.7	1333.2	1265.8	1232.1	1206.3
155°	1352.7	1357.1	1374.6	1392.1	1374.6	1357.1	1352.7	1312.5	1258.9	1232.1	1212.4
157.5°	1326.0	1329.0	1341.4	1353.6	1341.4	1329.0	1326.0	1294.7	1253.0	1232.1	1218.5
160°	1312.5	1314.3	1321.4	1328.5	1321.4	1314.3	1312.5	1285.8	1250.0	1232.1	1221.3
162.5°	1300.0	1301.7	1308.3	1315.0	1308.3	1301.7	1300.0	1277.3	1247.2	1232.1	1224.3
165°	1280.7	1282.5	1289.5	1296.6	1289.5	1282.5	1280.7	1264.5	1243.0	1232.1	1228.5
167.5°	1272.3	1273.0	1276.1	1279.0	1276.1	1273.0	1272.3	1261.8	1247.6	1240.5	1237.6
170°	1272.3	1272.3	1272.3	1272.3	1272.3	1272.3	1272.3	1261.8	1247.6	1240.5	1240.4
172.5°	1265.6	1265.0	1262.4	1259.8	1262.4	1265.0	1265.6	1257.3	1246.1	1240.5	1240.5
175°	1256.4	1256.4	1256.4	1256.4	1256.4	1256.4	1256.4	1251.1	1244.0	1240.5	1242.2
177.5°	1254.8	1254.1	1251.0	1248.1	1251.0	1254.1	1254.8	1250.6	1244.9	1242.2	1243.5
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2372.4	2383.8	2390.6	2399.7	2422.4
5°	2281.5	2324.7	2338.3	2372.4	2413.3
7.5°	2081.5	2213.3	2249.7	2331.5	2395.1
10°	1888.4	2020.2	2083.8	2277.0	2372.4
12.5°	1790.6	1867.9	1911.1	2181.5	2340.6
15°	1729.3	1783.8	1815.7	2054.3	2304.3
17.5°	1681.6	1720.3	1742.9	1929.3	2254.2
20°	1652.0	1670.2	1690.7	1838.3	2197.5
22.5°	1631.6	1620.2	1636.1	1774.8	2120.2
25°	1617.9	1574.8	1592.9	1724.7	2029.2
27.5°	1629.3	1533.8	1540.7	1679.3	1933.8
30°	1631.6	1483.9	1486.1	1631.6	1827.0
32.5°	1615.7	1431.6	1433.9	1572.5	1706.6
35°	1577.1	1370.3	1367.9	1504.3	1543.0
37.5°	1524.8	1304.4	1304.4	1429.4	1363.5
40°	1461.1	1238.5	1245.3	1331.6	1204.4
42.5°	1383.9	1168.0	1177.1	1202.1	1086.2
45°	1299.8	1099.8	1106.7	1015.7	995.3
47.5°	1206.6	1029.4	1031.7	843.0	965.8
50°	1095.3	956.6	947.6	722.6	963.5
52.5°	997.6	877.1	849.9	654.5	874.9
55°	902.1	793.1	734.0	602.2	811.2
57.5°	818.0	684.0	627.2	540.9	797.6
60°	740.8	577.2	534.1	475.0	731.7
62.5°	677.2	497.6	488.6	429.5	663.5
65°	609.0	443.1	440.9	390.9	563.6
67.5°	543.1	406.7	404.5	354.5	429.5
70°	472.6	368.2	363.6	315.9	318.1
72.5°	399.9	325.0	320.4	284.1	263.6
75°	327.2	275.0	272.7	247.7	213.6
77.5°	256.8	218.2	222.7	200.0	156.8
80°	184.1	159.1	163.6	143.2	118.2
82.5°	122.7	104.6	109.0	90.9	79.5
85°	68.1	59.1	61.3	47.7	36.3
87.5°	31.8	27.3	27.3	18.2	11.4
90°	36.9	23.5	21.8	15.1	8.4
92.5°	227.3	161.7	147.5	90.4	33.5
95°	559.3	315.0	288.9	184.6	80.4
97.5°	753.3	345.9	322.9	231.0	139.0
100°	824.0	371.9	351.1	267.7	184.3
102.5°	856.4	397.9	378.4	300.6	222.8
105°	880.4	436.4	419.9	354.0	288.1
107.5°	884.7	493.3	478.0	416.6	355.2
110°	878.1	525.2	511.3	455.9	400.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	878.4	563.7	550.4	497.6	444.8
115°	886.4	621.5	609.3	560.6	511.8
117.5°	903.0	677.7	666.6	622.2	577.9
120°	916.4	710.3	700.0	658.2	616.5
122.5°	935.6	748.8	738.4	696.3	654.2
125°	961.6	798.3	788.7	750.3	712.0
127.5°	987.5	846.0	836.3	797.5	758.9
130°	1006.6	877.9	867.5	825.7	784.0
132.5°	1021.9	903.8	893.4	851.7	810.0
135°	1038.7	934.0	924.5	886.4	848.5
137.5°	1063.8	972.5	963.1	925.5	887.9
140°	1079.1	998.5	989.8	955.2	920.6
142.5°	1092.0	1017.7	1009.7	977.7	945.6
145°	1108.8	1047.1	1040.1	1012.2	984.2
147.5°	1133.3	1083.9	1077.1	1049.9	1022.7
150°	1146.1	1103.1	1096.9	1072.4	1047.9
152.5°	1154.5	1115.7	1111.1	1092.5	1073.8
155°	1172.9	1143.3	1139.9	1126.1	1112.3
157.5°	1191.4	1171.0	1167.7	1154.2	1140.8
160°	1199.7	1183.5	1180.9	1170.5	1160.1
162.5°	1208.7	1196.9	1195.0	1187.2	1179.4
165°	1221.5	1216.2	1214.4	1207.4	1200.3
167.5°	1231.6	1227.1	1226.3	1222.9	1219.6
170°	1239.9	1239.6	1238.8	1235.4	1232.1
172.5°	1240.5	1240.5	1240.4	1239.6	1238.8
175°	1245.6	1248.1	1248.1	1248.1	1248.1
177.5°	1246.1	1248.1	1248.1	1248.1	1248.1
180°	1248.1	1248.1	1248.1	1248.1	1248.1



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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	13.55	14.35	14.56	15.37	16.74	16.37	17.18	17.38	18.20	19.56
	3H	14.02	14.74	15.04	15.77	17.15	17.71	18.43	18.73	19.46	20.84
	4H	14.21	14.89	15.24	15.93	17.31	18.15	18.84	19.19	19.87	21.26
	6H	14.33	14.95	15.37	15.99	17.39	18.43	19.06	19.48	20.10	21.50
	8H	14.32	14.92	15.37	15.98	17.37	18.50	19.10	19.55	20.16	21.55
	12H	14.29	14.86	15.35	15.91	17.33	18.54	19.11	19.59	20.16	21.58
4H	2H	14.57	15.26	15.61	16.29	17.68	16.77	17.46	17.81	18.49	19.88
	3H	15.59	16.16	16.64	17.22	18.63	18.27	18.84	19.32	19.90	21.31
	4H	15.87	16.39	16.92	17.44	18.87	18.80	19.32	19.85	20.37	21.80
	6H	15.99	16.44	17.05	17.51	18.93	19.16	19.61	20.22	20.68	22.10
	8H	15.99	16.41	17.06	17.48	18.92	19.26	19.68	20.33	20.75	22.18
	12H	15.96	16.34	17.04	17.42	18.86	19.32	19.69	20.40	20.78	22.22
8H	4H	16.32	16.73	17.38	17.80	19.24	18.92	19.34	19.98	20.40	21.84
	6H	16.58	16.92	17.66	18.03	19.46	19.35	19.70	20.44	20.81	22.24
	8H	16.62	16.92	17.71	18.01	19.46	19.50	19.81	20.60	20.90	22.35
	12H	16.60	16.87	17.70	17.95	19.44	19.60	19.86	20.70	20.95	22.44
12H	4H	16.32	16.70	17.40	17.78	19.22	18.88	19.26	19.96	20.34	21.78
	6H	16.64	16.94	17.73	18.03	19.48	19.35	19.65	20.44	20.74	22.20
	8H	16.70	16.97	17.80	18.05	19.55	19.51	19.77	20.60	20.86	22.35