

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: P935644

Luminaire Tested: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

**Test Information**

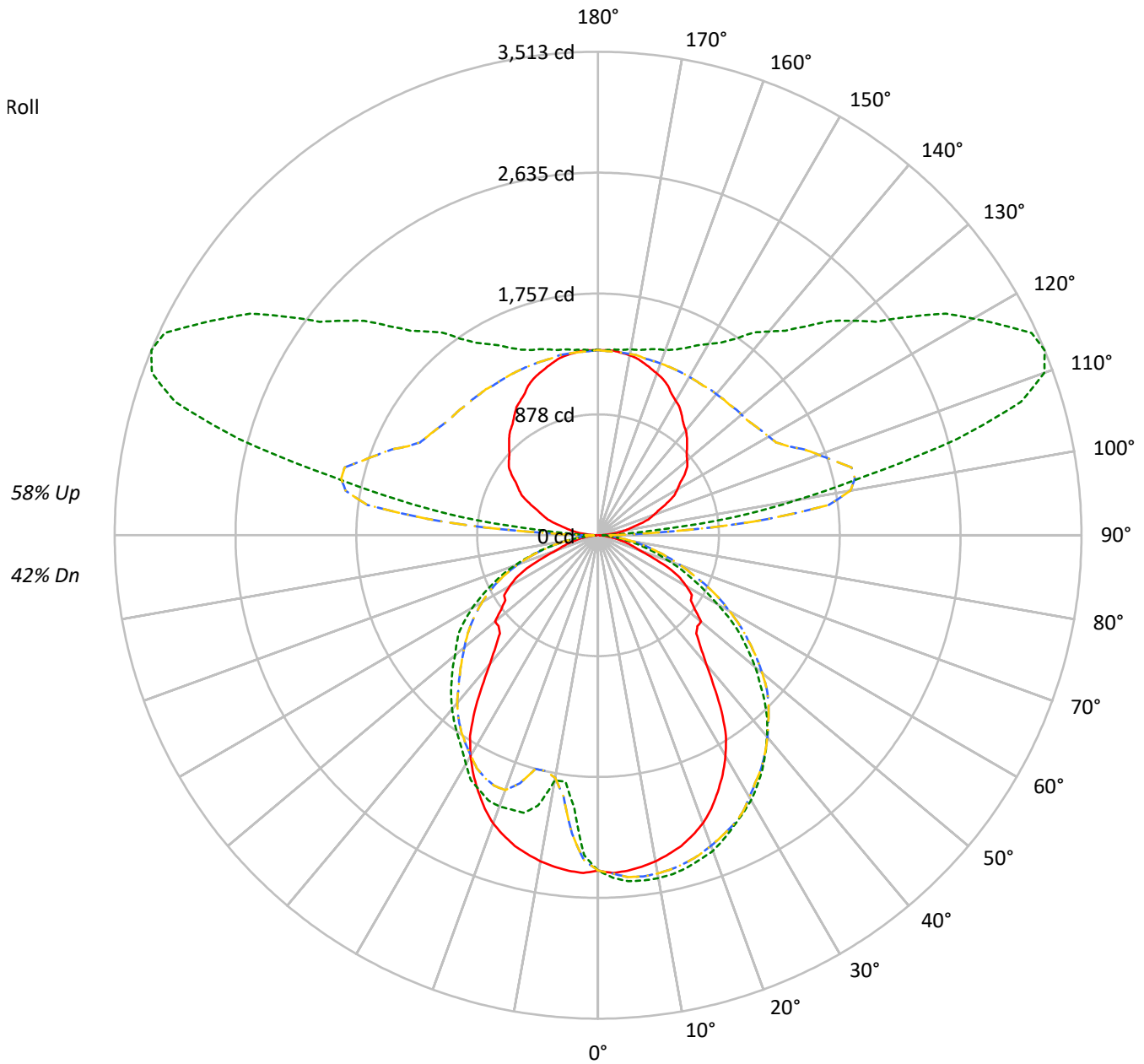
Test Method: LM-79-2019  
Report Number: P935644  
REPORT IS A COMBINATION OF REPORTS P933764 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-8-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15042.6 lumens  
Efficiency: N/A  
Efficacy: 116.8 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: General Diffuse  
  
Input Watts (W): 128.8  
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

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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	50	30	10	0
RCR																					
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	11301	11301	11301	11301
5°	11385	11407	11385	8970
10°	11309	11237	11309	8034
15°	11186	10993	11186	9180
20°	10952	10705	10952	9199
25°	10473	10284	10473	9004
30°	9854	9935	9854	8576
35°	8785	9493	8785	8105
40°	7320	8973	7320	7750
45°	6541	8365	6541	7341
50°	6948	7639	6948	6932
55°	6538	6857	6538	6694
60°	6739	5823	6739	6131
65°	6109	4814	6109	5381
70°	4231	3837	4231	4510
75°	3710	2836	3710	3396
80°	2989	1875	2989	2042
85°	1719	993	1719	844

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10024 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.9	1.5
10°-20°	624.2	4.1
20°-30°	965.0	6.4
30°-40°	1152.0	7.7
40°-50°	1158.7	7.7
50°-60°	1008.2	6.7
60°-70°	714.9	4.8
70°-80°	378.2	2.5
80°-90°	99.3	0.7
90°-100°	655.9	4.4
100°-110°	1724.3	11.5
110°-120°	1787.9	11.9
120°-130°	1434.1	9.5
130°-140°	1125.3	7.5
140°-150°	863.7	5.7
150°-160°	622.0	4.1
160°-170°	380.6	2.5
170°-180°	128.6	0.9
0°-30°	1809.1	12.0
0°-40°	2961.1	19.7
0°-60°	5128.0	34.1
0°-90°	6320.4	42.0
90°-120°	4168.0	27.7
90°-150°	7591.1	50.5
90°-180°	8722.0	58.0
0°-180°	15042.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2436	2436	2436	2436	2436	
5°	2447	2523	2447	1984	2447	232
15°	2337	2500	2337	2088	2337	657
25°	2058	2332	2058	2042	2058	945
35°	1565	2081	1565	1777	1565	968
45°	1009	1714	1009	1505	1009	809
55°	823	1265	823	1235	823	756
65°	571	763	571	853	571	546
75°	217	362	217	433	217	228
85°	37	92	37	78	37	50
90°	9	34	9	34	9	9
95°	87	396	87	396	87	96
105°	311	2700	311	2700	311	329
115°	552	3476	552	3476	552	545
125°	768	2769	768	2769	768	681
135°	915	2148	915	2148	915	708
145°	1061	1743	1061	1743	1061	665
155°	1199	1501	1199	1501	1199	551
165°	1294	1398	1294	1398	1294	365
175°	1346	1354	1346	1354	1346	128
180°	1346	1346	1346	1346	1346	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2456.4	2456.4	2470.2	2474.8	2474.8	2467.9	2461.1	2467.9	2488.7	2495.6	2493.3
5°	2447.2	2465.6	2491.0	2495.6	2500.2	2497.9	2493.3	2497.9	2521.0	2525.6	2527.9
7.5°	2428.8	2463.3	2495.6	2502.5	2509.5	2502.5	2500.2	2504.8	2527.9	2532.5	2532.5
10°	2405.7	2454.1	2491.0	2495.6	2502.5	2495.6	2495.6	2504.8	2527.9	2532.5	2534.7
12.5°	2373.4	2440.3	2474.8	2479.5	2488.7	2486.3	2484.1	2493.3	2516.3	2521.0	2521.0
15°	2336.6	2414.9	2447.2	2451.8	2467.9	2463.3	2463.3	2472.6	2497.9	2504.8	2502.5
17.5°	2285.9	2382.7	2419.5	2426.4	2437.9	2435.7	2437.9	2447.2	2470.2	2474.8	2477.2
20°	2228.3	2338.9	2382.7	2389.5	2401.1	2401.1	2401.1	2412.7	2435.7	2444.9	2444.9
22.5°	2149.9	2292.8	2338.9	2343.5	2357.3	2357.3	2361.9	2378.0	2398.8	2401.1	2401.1
25°	2057.7	2242.1	2281.2	2295.1	2309.0	2315.9	2322.7	2332.0	2338.9	2336.6	2338.9
27.5°	1960.9	2177.6	2228.3	2237.5	2256.0	2262.8	2272.1	2274.4	2276.7	2283.6	2279.0
30°	1852.6	2087.7	2163.8	2173.0	2202.9	2207.6	2198.3	2202.9	2214.4	2219.1	2223.7
32.5°	1730.6	1954.1	2097.0	2117.6	2145.3	2131.5	2129.2	2136.1	2154.5	2154.5	2159.2
35°	1564.6	1850.4	2034.7	2053.1	2073.9	2057.7	2067.0	2069.2	2080.8	2087.7	2085.4
37.5°	1382.6	1760.5	1970.2	1984.1	2000.2	1979.4	1993.2	2000.2	2009.3	2004.8	2004.8
40°	1221.3	1620.0	1894.1	1903.4	1917.2	1901.0	1914.9	1919.5	1924.1	1919.5	1917.2
42.5°	1101.5	1465.5	1813.5	1825.0	1815.8	1827.3	1832.0	1841.1	1834.2	1825.0	1825.0
45°	1009.3	1424.0	1725.9	1739.8	1725.9	1744.4	1751.3	1751.3	1730.6	1725.9	1723.7
47.5°	979.4	1341.1	1638.4	1638.4	1631.5	1654.5	1666.0	1649.9	1629.1	1622.2	1622.2
50°	977.0	1248.9	1518.6	1509.3	1541.6	1569.2	1557.7	1541.6	1525.4	1500.1	1500.1
52.5°	887.2	1136.0	1364.1	1398.7	1449.4	1465.5	1447.1	1431.0	1403.4	1391.9	1382.6
55°	822.7	1018.5	1223.6	1292.7	1345.7	1366.5	1331.9	1315.8	1274.3	1267.4	1262.8
57.5°	808.8	848.0	1094.6	1182.1	1246.7	1244.3	1223.6	1193.6	1159.1	1152.1	1149.9
60°	742.0	613.0	956.3	1060.0	1126.8	1119.9	1101.5	1073.8	1041.6	1036.9	1032.3
62.5°	672.9	444.7	799.6	917.1	1011.6	1009.3	993.2	951.7	928.6	917.1	907.9
65°	571.4	373.3	569.2	762.8	898.7	903.3	868.7	838.8	813.4	799.6	797.3
67.5°	435.5	304.2	384.8	636.0	790.4	785.8	742.0	728.1	695.9	689.0	675.1
70°	322.6	202.7	267.3	516.2	684.4	672.9	638.3	622.2	592.2	576.1	566.8
72.5°	267.3	163.6	195.9	401.0	576.1	562.3	532.3	513.9	488.5	474.6	465.5
75°	216.6	172.8	149.8	297.3	467.8	458.6	430.9	412.5	391.7	373.3	375.6
77.5°	159.0	161.3	119.8	218.9	371.0	357.2	341.1	318.0	308.8	290.4	290.4
80°	119.8	126.7	89.9	149.8	267.3	267.3	253.5	237.4	221.2	212.0	212.0
82.5°	80.7	80.7	66.8	94.4	182.1	175.1	165.9	161.3	152.1	147.5	147.5
85°	36.9	46.0	41.5	57.6	99.1	103.7	103.7	99.1	96.8	92.2	94.4
87.5°	11.5	20.8	25.4	32.3	50.7	53.0	55.3	55.3	55.3	57.6	57.6
90°	9.1	16.3	23.5	25.3	39.8	59.0	68.6	61.0	45.7	34.3	34.3
92.5°	36.1	97.5	159.0	174.3	245.0	339.3	386.5	338.7	243.2	171.5	164.7
95°	86.7	199.1	311.5	339.6	602.9	954.1	1129.6	1008.1	764.9	582.4	561.8
97.5°	149.9	249.1	348.2	373.0	812.1	1397.7	1690.4	1613.6	1459.9	1344.6	1305.3
100°	198.6	288.6	378.5	401.0	888.3	1538.0	1862.9	1868.5	1879.8	1888.2	1841.4
102.5°	240.2	324.0	407.9	429.0	923.2	1582.2	1911.7	2009.6	2205.5	2352.3	2312.2
105°	310.6	381.7	452.7	470.5	949.0	1587.2	1906.3	2125.8	2564.8	2894.1	2872.6
107.5°	382.9	449.1	515.3	531.9	953.8	1516.6	1797.9	2104.1	2716.6	3175.9	3181.1
110°	431.7	491.5	551.3	566.2	946.7	1453.9	1707.6	2050.0	2734.6	3248.1	3270.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	479.5	536.5	593.5	607.7	946.9	1399.3	1625.4	1975.8	2676.4	3202.0	3236.6
115°	551.7	604.3	656.8	670.0	955.7	1336.6	1527.0	1864.5	2539.5	3045.8	3093.7
117.5°	623.1	670.9	718.6	730.5	973.5	1297.3	1459.3	1763.9	2373.1	2830.0	2883.1
120°	664.6	709.6	754.5	765.7	987.8	1284.1	1432.1	1710.5	2267.1	2684.6	2736.2
122.5°	705.2	750.6	795.9	807.2	1008.6	1277.1	1411.4	1662.0	2163.3	2539.3	2590.1
125°	767.6	808.9	850.2	860.5	1036.6	1271.4	1388.8	1601.8	2027.6	2346.9	2393.7
127.5°	818.1	859.9	901.6	912.1	1064.7	1268.1	1369.9	1552.7	1918.3	2192.5	2232.0
130°	845.2	890.2	935.1	946.3	1085.1	1270.1	1362.6	1525.4	1850.9	2095.0	2131.5
132.5°	873.2	918.2	963.1	974.3	1101.6	1271.4	1356.3	1502.0	1793.3	2011.9	2044.6
135°	914.8	955.7	996.6	1006.9	1119.7	1270.2	1345.5	1467.5	1711.5	1894.5	1922.7
137.5°	957.1	997.7	1038.2	1048.4	1146.8	1278.1	1343.6	1446.8	1653.1	1807.8	1830.9
140°	992.4	1029.7	1067.0	1076.4	1163.4	1279.4	1337.4	1426.5	1604.6	1738.3	1759.9
142.5°	1019.5	1054.0	1088.5	1097.1	1177.2	1284.0	1337.4	1415.6	1572.1	1689.5	1708.1
145°	1061.0	1091.1	1121.3	1128.8	1195.3	1284.0	1328.3	1392.3	1520.4	1616.4	1630.4
147.5°	1102.6	1131.9	1161.2	1168.5	1221.8	1292.8	1328.3	1378.7	1479.4	1555.0	1566.6
150°	1129.6	1156.1	1182.7	1189.3	1235.6	1297.4	1328.3	1370.8	1455.9	1519.8	1529.2
152.5°	1157.6	1177.7	1197.7	1202.8	1244.7	1300.4	1328.3	1364.6	1437.3	1491.8	1498.9
155°	1199.2	1214.0	1228.9	1232.6	1264.5	1307.0	1328.3	1357.2	1415.0	1458.4	1463.1
157.5°	1229.9	1244.3	1258.8	1262.4	1284.3	1313.6	1328.3	1350.8	1395.7	1429.4	1432.8
160°	1250.7	1261.9	1273.2	1276.0	1293.4	1316.7	1328.3	1347.6	1386.1	1415.0	1416.9
162.5°	1271.4	1279.8	1288.3	1290.3	1303.0	1319.8	1328.3	1344.5	1377.0	1401.4	1403.3
165°	1294.0	1301.7	1309.3	1311.2	1316.9	1324.4	1328.3	1340.0	1363.3	1380.7	1382.6
167.5°	1314.8	1318.3	1322.0	1322.9	1327.7	1334.1	1337.4	1344.9	1360.2	1371.6	1372.4
170°	1328.3	1331.9	1335.6	1336.5	1336.7	1337.2	1337.4	1344.9	1360.2	1371.6	1371.6
172.5°	1335.5	1336.3	1337.2	1337.4	1337.4	1337.4	1337.4	1343.4	1355.4	1364.5	1363.8
175°	1345.5	1345.5	1345.5	1345.5	1342.8	1339.2	1337.4	1341.2	1348.8	1354.5	1354.5
177.5°	1345.5	1345.5	1345.5	1345.5	1343.4	1340.6	1339.2	1342.1	1348.2	1352.7	1351.9
180°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2497.9	2491.0	2497.9	2493.3	2495.6	2488.7	2467.9	2461.1	2467.9	2474.8	2474.8
5°	2527.9	2523.2	2527.9	2527.9	2525.6	2521.0	2497.9	2493.3	2497.9	2500.2	2495.6
7.5°	2537.1	2530.1	2537.1	2532.5	2532.5	2527.9	2504.8	2500.2	2502.5	2509.5	2502.5
10°	2537.1	2530.1	2537.1	2534.7	2532.5	2527.9	2504.8	2495.6	2495.6	2502.5	2495.6
12.5°	2525.6	2521.0	2525.6	2521.0	2521.0	2516.3	2493.3	2484.1	2486.3	2488.7	2479.5
15°	2507.1	2500.2	2507.1	2502.5	2504.8	2497.9	2472.6	2463.3	2463.3	2467.9	2451.8
17.5°	2479.5	2470.2	2479.5	2477.2	2474.8	2470.2	2447.2	2437.9	2435.7	2437.9	2426.4
20°	2447.2	2440.3	2447.2	2444.9	2444.9	2435.7	2412.7	2401.1	2401.1	2401.1	2389.5
22.5°	2396.5	2389.5	2396.5	2401.1	2401.1	2398.8	2378.0	2361.9	2357.3	2357.3	2343.5
25°	2338.9	2332.0	2338.9	2338.9	2336.6	2338.9	2332.0	2322.7	2315.9	2309.0	2295.1
27.5°	2283.6	2279.0	2283.6	2279.0	2283.6	2276.7	2274.4	2272.1	2262.8	2256.0	2237.5
30°	2228.3	2223.7	2228.3	2223.7	2219.1	2214.4	2202.9	2198.3	2207.6	2202.9	2173.0
32.5°	2159.2	2154.5	2159.2	2159.2	2154.5	2154.5	2136.1	2129.2	2131.5	2145.3	2117.6
35°	2087.7	2080.8	2087.7	2085.4	2087.7	2080.8	2069.2	2067.0	2057.7	2073.9	2053.1
37.5°	2004.8	1997.8	2004.8	2004.8	2004.8	2009.3	2000.2	1993.2	1979.4	2000.2	1984.1
40°	1919.5	1910.3	1919.5	1917.2	1919.5	1924.1	1919.5	1914.9	1901.0	1917.2	1903.4
42.5°	1822.7	1820.5	1822.7	1825.0	1825.0	1834.2	1841.1	1832.0	1827.3	1815.8	1825.0
45°	1719.0	1714.4	1719.0	1723.7	1725.9	1730.6	1751.3	1751.3	1744.4	1725.9	1739.8
47.5°	1608.4	1596.9	1608.4	1622.2	1622.2	1629.1	1649.9	1666.0	1654.5	1631.5	1638.4
50°	1490.9	1493.2	1490.9	1500.1	1500.1	1525.4	1541.6	1557.7	1569.2	1541.6	1509.3
52.5°	1375.7	1373.4	1375.7	1382.6	1391.9	1403.4	1431.0	1447.1	1465.5	1449.4	1398.7
55°	1260.4	1265.1	1260.4	1262.8	1267.4	1274.3	1315.8	1331.9	1366.5	1345.7	1292.7
57.5°	1145.2	1138.4	1145.2	1149.9	1152.1	1159.1	1193.6	1223.6	1244.3	1246.7	1182.1
60°	1011.6	1002.4	1011.6	1032.3	1036.9	1041.6	1073.8	1101.5	1119.9	1126.8	1060.0
62.5°	894.1	878.0	894.1	907.9	917.1	928.6	951.7	993.2	1009.3	1011.6	917.1
65°	769.7	762.8	769.7	797.3	799.6	813.4	838.8	868.7	903.3	898.7	762.8
67.5°	656.7	656.7	656.7	675.1	689.0	695.9	728.1	742.0	785.8	790.4	636.0
70°	553.0	550.8	553.0	566.8	576.1	592.2	622.2	638.3	672.9	684.4	516.2
72.5°	454.0	451.6	454.0	465.5	474.6	488.5	513.9	532.3	562.3	576.1	401.0
75°	366.4	361.8	366.4	375.6	373.3	391.7	412.5	430.9	458.6	467.8	297.3
77.5°	281.1	281.1	281.1	290.4	290.4	308.8	318.0	341.1	357.2	371.0	218.9
80°	209.7	207.4	209.7	212.0	212.0	221.2	237.4	253.5	267.3	267.3	149.8
82.5°	147.5	142.8	147.5	147.5	147.5	152.1	161.3	165.9	175.1	182.1	94.4
85°	92.2	92.2	92.2	94.4	92.2	96.8	99.1	103.7	103.7	99.1	57.6
87.5°	59.9	57.6	59.9	57.6	57.6	55.3	55.3	55.3	53.0	50.7	32.3
90°	34.3	34.3	34.3	34.3	34.3	45.7	61.0	68.6	59.0	39.8	25.3
92.5°	137.4	110.1	137.4	164.7	171.5	243.2	338.7	386.5	339.3	245.0	174.3
95°	479.1	396.4	479.1	561.8	582.4	764.9	1008.1	1129.6	954.1	602.9	339.6
97.5°	1147.9	990.6	1147.9	1305.3	1344.6	1459.9	1613.6	1690.4	1397.7	812.1	373.0
100°	1653.9	1466.5	1653.9	1841.4	1888.2	1879.8	1868.5	1862.9	1538.0	888.3	401.0
102.5°	2151.7	1991.1	2151.7	2312.2	2352.3	2205.5	2009.6	1911.7	1582.2	923.2	429.0
105°	2786.2	2700.0	2786.2	2872.6	2894.1	2564.8	2125.8	1906.3	1587.2	949.0	470.5
107.5°	3201.9	3222.8	3201.9	3181.1	3175.9	2716.6	2104.1	1797.9	1516.6	953.8	531.9
110°	3360.5	3450.4	3360.5	3270.6	3248.1	2734.6	2050.0	1707.6	1453.9	946.7	566.2





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3374.6	3512.6	3374.6	3236.6	3202.0	2676.4	1975.8	1625.4	1399.3	946.9	607.7
115°	3285.1	3476.5	3285.1	3093.7	3045.8	2539.5	1864.5	1527.0	1336.6	955.7	670.0
117.5°	3095.4	3307.7	3095.4	2883.1	2830.0	2373.1	1763.9	1459.3	1297.3	973.5	730.5
120°	2942.5	3148.7	2942.5	2736.2	2684.6	2267.1	1710.5	1432.1	1284.1	987.8	765.7
122.5°	2793.6	2997.1	2793.6	2590.1	2539.3	2163.3	1662.0	1411.4	1277.1	1008.6	807.2
125°	2581.2	2768.6	2581.2	2393.7	2346.9	2027.6	1601.8	1388.8	1271.4	1036.6	860.5
127.5°	2390.2	2548.3	2390.2	2232.0	2192.5	1918.3	1552.7	1369.9	1268.1	1064.7	912.1
130°	2277.6	2423.6	2277.6	2131.5	2095.0	1850.9	1525.4	1362.6	1270.1	1085.1	946.3
132.5°	2175.5	2306.3	2175.5	2044.6	2011.9	1793.3	1502.0	1356.3	1271.4	1101.6	974.3
135°	2035.5	2148.3	2035.5	1922.7	1894.5	1711.5	1467.5	1345.5	1270.2	1119.7	1006.9
137.5°	1923.2	2015.5	1923.2	1830.9	1807.8	1653.1	1446.8	1343.6	1278.1	1146.8	1048.4
140°	1846.2	1932.4	1846.2	1759.9	1738.3	1604.6	1426.5	1337.4	1279.4	1163.4	1076.4
142.5°	1782.3	1856.6	1782.3	1708.1	1689.5	1572.1	1415.6	1337.4	1284.0	1177.2	1097.1
145°	1686.6	1742.8	1686.6	1630.4	1616.4	1520.4	1392.3	1328.3	1284.0	1195.3	1128.8
147.5°	1613.2	1659.7	1613.2	1566.6	1555.0	1479.4	1378.7	1328.3	1292.8	1221.8	1168.5
150°	1567.0	1604.6	1567.0	1529.2	1519.8	1455.9	1370.8	1328.3	1297.4	1235.6	1189.3
152.5°	1527.4	1555.9	1527.4	1498.9	1491.8	1437.3	1364.6	1328.3	1300.4	1244.7	1202.8
155°	1481.9	1500.8	1481.9	1463.1	1458.4	1415.0	1357.2	1328.3	1307.0	1264.5	1232.6
157.5°	1446.0	1459.3	1446.0	1432.8	1429.4	1395.7	1350.8	1328.3	1313.6	1284.3	1262.4
160°	1424.5	1432.1	1424.5	1416.9	1415.0	1386.1	1347.6	1328.3	1316.7	1293.4	1276.0
162.5°	1410.5	1417.8	1410.5	1403.3	1401.4	1377.0	1344.5	1328.3	1319.8	1303.0	1290.3
165°	1390.2	1397.9	1390.2	1382.6	1380.7	1363.3	1340.0	1328.3	1324.4	1316.9	1311.2
167.5°	1375.6	1378.9	1375.6	1372.4	1371.6	1360.2	1344.9	1337.4	1334.1	1327.7	1322.9
170°	1371.6	1371.6	1371.6	1371.6	1371.6	1360.2	1344.9	1337.4	1337.2	1336.7	1336.5
172.5°	1360.9	1358.1	1360.9	1363.8	1364.5	1355.4	1343.4	1337.4	1337.4	1337.4	1337.4
175°	1354.5	1354.5	1354.5	1354.5	1354.5	1348.8	1341.2	1337.4	1339.2	1342.8	1345.5
177.5°	1348.7	1345.5	1348.7	1351.9	1352.7	1348.2	1342.1	1339.2	1340.6	1343.4	1345.5
180°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2470.2	2456.4	2456.4	2433.4	2424.2	2417.3	2405.7	2371.1	2361.9	2352.7	2366.5
5°	2491.0	2465.6	2447.2	2405.7	2371.1	2357.3	2313.5	2230.6	2175.3	2133.8	2110.8
7.5°	2495.6	2463.3	2428.8	2364.3	2281.2	2244.4	2110.8	1958.7	1917.2	1880.4	1857.3
10°	2491.0	2454.1	2405.7	2309.0	2113.0	2048.6	1914.9	1815.8	1790.5	1783.6	1790.5
12.5°	2474.8	2440.3	2373.4	2212.2	1937.9	1894.1	1815.8	1758.2	1753.6	1765.1	1827.3
15°	2447.2	2414.9	2336.6	2083.1	1841.1	1808.9	1753.6	1732.8	1758.2	1838.9	2025.5
17.5°	2419.5	2382.7	2285.9	1956.4	1767.4	1744.4	1705.2	1746.7	1889.5	1997.8	2060.1
20°	2382.7	2338.9	2228.3	1864.2	1714.4	1693.7	1675.3	1861.9	1970.2	2009.3	2044.0
22.5°	2338.9	2292.8	2149.9	1799.7	1659.1	1643.0	1654.5	1926.4	1970.2	1997.8	2027.8
25°	2281.2	2242.1	2057.7	1749.0	1615.4	1596.9	1640.6	1919.5	1944.8	1951.8	2011.7
27.5°	2228.3	2177.6	1960.9	1702.9	1562.3	1555.4	1652.2	1889.5	1908.0	1914.9	1979.4
30°	2163.8	2087.7	1852.6	1654.5	1507.0	1504.7	1654.5	1852.6	1848.1	1866.5	1931.0
32.5°	2097.0	1954.1	1730.6	1594.6	1454.0	1451.8	1638.4	1797.3	1792.7	1818.1	1866.5
35°	2034.7	1850.4	1564.6	1525.4	1387.2	1389.5	1599.2	1732.8	1735.2	1758.2	1788.2
37.5°	1970.2	1760.5	1382.6	1449.4	1322.7	1322.7	1546.2	1672.9	1668.4	1675.3	1716.7
40°	1894.1	1620.0	1221.3	1350.3	1262.8	1255.8	1481.7	1608.4	1592.2	1590.0	1647.6
42.5°	1813.5	1465.5	1101.5	1219.0	1193.6	1184.4	1403.4	1530.1	1500.1	1507.0	1580.7
45°	1725.9	1424.0	1009.3	1030.0	1122.2	1115.3	1318.1	1440.2	1419.5	1437.9	1513.9
47.5°	1638.4	1341.1	979.4	854.9	1046.2	1043.8	1223.6	1352.6	1341.1	1359.6	1440.2
50°	1518.6	1248.9	977.0	732.8	960.9	970.1	1110.7	1267.4	1267.4	1283.5	1368.7
52.5°	1364.1	1136.0	887.2	663.6	861.8	889.5	1011.6	1193.6	1198.3	1214.4	1290.4
55°	1223.6	1018.5	822.7	610.7	744.3	804.2	914.9	1117.6	1126.8	1143.0	1212.0
57.5°	1094.6	848.0	808.8	548.4	636.0	693.6	829.6	1043.8	1048.4	1062.3	1129.1
60°	956.3	613.0	742.0	481.6	541.5	585.3	751.2	956.3	972.4	981.6	1039.3
62.5°	799.6	444.7	672.9	435.5	495.4	504.6	686.7	873.3	894.1	901.0	935.5
65°	569.2	373.3	571.4	396.3	447.0	449.4	617.6	788.1	806.5	818.1	843.3
67.5°	384.8	304.2	435.5	359.5	410.2	412.5	550.8	689.0	714.4	723.5	739.7
70°	267.3	202.7	322.6	320.3	368.7	373.3	479.3	599.1	622.2	629.1	638.3
72.5°	195.9	163.6	267.3	288.0	324.9	329.5	405.6	497.8	520.8	527.7	532.3
75°	149.8	172.8	216.6	251.1	276.5	278.8	331.8	405.6	421.7	426.3	428.6
77.5°	119.8	161.3	159.0	202.7	225.9	221.2	260.4	313.4	327.2	327.2	327.2
80°	89.9	126.7	119.8	145.2	165.9	161.3	186.6	223.5	228.1	232.7	230.4
82.5°	66.8	80.7	80.7	92.2	110.6	106.0	124.4	145.2	145.2	145.2	149.8
85°	41.5	46.0	36.9	48.4	62.2	59.9	69.2	78.3	80.7	80.7	76.0
87.5°	25.4	20.8	11.5	18.4	27.6	27.6	32.3	34.5	32.3	32.3	32.3
90°	23.5	16.3	9.1	16.3	23.5	25.3	39.8	59.0	68.6	61.0	45.7
92.5°	159.0	97.5	36.1	97.5	159.0	174.3	245.0	339.3	386.5	338.7	243.2
95°	311.5	199.1	86.7	199.1	311.5	339.6	602.9	954.1	1129.6	1008.1	764.9
97.5°	348.2	249.1	149.9	249.1	348.2	373.0	812.1	1397.7	1690.4	1613.6	1459.9
100°	378.5	288.6	198.6	288.6	378.5	401.0	888.3	1538.0	1862.9	1868.5	1879.8
102.5°	407.9	324.0	240.2	324.0	407.9	429.0	923.2	1582.2	1911.7	2009.6	2205.5
105°	452.7	381.7	310.6	381.7	452.7	470.5	949.0	1587.2	1906.3	2125.8	2564.8
107.5°	515.3	449.1	382.9	449.1	515.3	531.9	953.8	1516.6	1797.9	2104.1	2716.6
110°	551.3	491.5	431.7	491.5	551.3	566.2	946.7	1453.9	1707.6	2050.0	2734.6



TEST NUMBER: P935644

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	593.5	536.5	479.5	536.5	593.5	607.7	946.9	1399.3	1625.4	1975.8	2676.4
115°	656.8	604.3	551.7	604.3	656.8	670.0	955.7	1336.6	1527.0	1864.5	2539.5
117.5°	718.6	670.9	623.1	670.9	718.6	730.5	973.5	1297.3	1459.3	1763.9	2373.1
120°	754.5	709.6	664.6	709.6	754.5	765.7	987.8	1284.1	1432.1	1710.5	2267.1
122.5°	795.9	750.6	705.2	750.6	795.9	807.2	1008.6	1277.1	1411.4	1662.0	2163.3
125°	850.2	808.9	767.6	808.9	850.2	860.5	1036.6	1271.4	1388.8	1601.8	2027.6
127.5°	901.6	859.9	818.1	859.9	901.6	912.1	1064.7	1268.1	1369.9	1552.7	1918.3
130°	935.1	890.2	845.2	890.2	935.1	946.3	1085.1	1270.1	1362.6	1525.4	1850.9
132.5°	963.1	918.2	873.2	918.2	963.1	974.3	1101.6	1271.4	1356.3	1502.0	1793.3
135°	996.6	955.7	914.8	955.7	996.6	1006.9	1119.7	1270.2	1345.5	1467.5	1711.5
137.5°	1038.2	997.7	957.1	997.7	1038.2	1048.4	1146.8	1278.1	1343.6	1446.8	1653.1
140°	1067.0	1029.7	992.4	1029.7	1067.0	1076.4	1163.4	1279.4	1337.4	1426.5	1604.6
142.5°	1088.5	1054.0	1019.5	1054.0	1088.5	1097.1	1177.2	1284.0	1337.4	1415.6	1572.1
145°	1121.3	1091.1	1061.0	1091.1	1121.3	1128.8	1195.3	1284.0	1328.3	1392.3	1520.4
147.5°	1161.2	1131.9	1102.6	1131.9	1161.2	1168.5	1221.8	1292.8	1328.3	1378.7	1479.4
150°	1182.7	1156.1	1129.6	1156.1	1182.7	1189.3	1235.6	1297.4	1328.3	1370.8	1455.9
152.5°	1197.7	1177.7	1157.6	1177.7	1197.7	1202.8	1244.7	1300.4	1328.3	1364.6	1437.3
155°	1228.9	1214.0	1199.2	1214.0	1228.9	1232.6	1264.5	1307.0	1328.3	1357.2	1415.0
157.5°	1258.8	1244.3	1229.9	1244.3	1258.8	1262.4	1284.3	1313.6	1328.3	1350.8	1395.7
160°	1273.2	1261.9	1250.7	1261.9	1273.2	1276.0	1293.4	1316.7	1328.3	1347.6	1386.1
162.5°	1288.3	1279.8	1271.4	1279.8	1288.3	1290.3	1303.0	1319.8	1328.3	1344.5	1377.0
165°	1309.3	1301.7	1294.0	1301.7	1309.3	1311.2	1316.9	1324.4	1328.3	1340.0	1363.3
167.5°	1322.0	1318.3	1314.8	1318.3	1322.0	1322.9	1327.7	1334.1	1337.4	1344.9	1360.2
170°	1335.6	1331.9	1328.3	1331.9	1335.6	1336.5	1336.7	1337.2	1337.4	1344.9	1360.2
172.5°	1337.2	1336.3	1335.5	1336.3	1337.2	1337.4	1337.4	1337.4	1337.4	1343.4	1355.4
175°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1342.8	1339.2	1337.4	1341.2	1348.8
177.5°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1343.4	1340.6	1339.2	1342.1	1348.2
180°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5



TEST NUMBER: P935644

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2350.4	2343.5	2352.7	2327.4	2352.7	2343.5	2350.4	2366.5	2352.7	2361.9	2371.1
5°	2062.4	2050.8	2014.0	1984.1	2014.0	2050.8	2062.4	2110.8	2133.8	2175.3	2230.6
7.5°	1843.5	1834.2	1825.0	1806.6	1825.0	1834.2	1843.5	1857.3	1880.4	1917.2	1958.7
10°	1795.1	1797.3	1811.2	1808.9	1811.2	1797.3	1795.1	1790.5	1783.6	1790.5	1815.8
12.5°	1919.5	1940.3	2016.3	2011.7	2016.3	1940.3	1919.5	1827.3	1765.1	1753.6	1758.2
15°	2062.4	2069.2	2085.4	2087.7	2085.4	2069.2	2062.4	2025.5	1838.9	1758.2	1732.8
17.5°	2076.2	2078.5	2090.0	2090.0	2090.0	2078.5	2076.2	2060.1	1997.8	1889.5	1746.7
20°	2064.7	2069.2	2092.4	2097.0	2092.4	2069.2	2064.7	2044.0	2009.3	1970.2	1861.9
22.5°	2060.1	2069.2	2087.7	2085.4	2087.7	2069.2	2060.1	2027.8	1997.8	1970.2	1926.4
25°	2037.0	2037.0	2039.3	2041.6	2039.3	2037.0	2037.0	2011.7	1951.8	1944.8	1919.5
27.5°	1988.7	1993.2	2007.1	2004.8	2007.1	1993.2	1988.7	1979.4	1914.9	1908.0	1889.5
30°	1944.8	1940.3	1928.7	1919.5	1928.7	1940.3	1944.8	1931.0	1866.5	1848.1	1852.6
32.5°	1871.1	1859.6	1848.1	1841.1	1848.1	1859.6	1871.1	1866.5	1818.1	1792.7	1797.3
35°	1783.6	1785.8	1783.6	1776.6	1783.6	1785.8	1783.6	1788.2	1758.2	1735.2	1732.8
37.5°	1721.3	1725.9	1723.7	1714.4	1723.7	1725.9	1721.3	1716.7	1675.3	1668.4	1672.9
40°	1656.8	1659.1	1656.8	1649.9	1656.8	1659.1	1656.8	1647.6	1590.0	1592.2	1608.4
42.5°	1594.6	1592.2	1585.4	1580.7	1585.4	1592.2	1594.6	1580.7	1507.0	1500.1	1530.1
45°	1523.2	1525.4	1511.7	1504.7	1511.7	1525.4	1523.2	1513.9	1437.9	1419.5	1440.2
47.5°	1451.8	1451.8	1440.2	1433.3	1440.2	1451.8	1451.8	1440.2	1359.6	1341.1	1352.6
50°	1375.7	1373.4	1357.2	1355.0	1357.2	1373.4	1375.7	1368.7	1283.5	1267.4	1267.4
52.5°	1288.1	1288.1	1290.4	1295.1	1290.4	1288.1	1288.1	1290.4	1214.4	1198.3	1193.6
55°	1212.0	1214.4	1230.5	1235.1	1230.5	1214.4	1212.0	1212.0	1143.0	1126.8	1117.6
57.5°	1133.7	1133.7	1145.2	1145.2	1145.2	1133.7	1133.7	1129.1	1062.3	1048.4	1043.8
60°	1043.8	1048.4	1057.7	1055.4	1057.7	1048.4	1043.8	1039.3	981.6	972.4	956.3
62.5°	949.4	954.0	956.3	951.7	956.3	954.0	949.4	935.5	901.0	894.1	873.3
65°	850.3	854.9	857.2	852.6	857.2	854.9	850.3	843.3	818.1	806.5	788.1
67.5°	748.9	746.6	744.3	753.5	744.3	746.6	748.9	739.7	723.5	714.4	689.0
70°	645.2	645.2	642.9	647.5	642.9	645.2	645.2	638.3	629.1	622.2	599.1
72.5°	534.6	532.3	541.5	534.6	541.5	532.3	534.6	532.3	527.7	520.8	497.8
75°	426.3	430.9	426.3	433.2	426.3	430.9	426.3	428.6	426.3	421.7	405.6
77.5°	324.9	329.5	324.9	324.9	324.9	329.5	324.9	327.2	327.2	327.2	313.4
80°	230.4	228.1	228.1	225.9	228.1	228.1	230.4	230.4	232.7	228.1	223.5
82.5°	147.5	145.2	145.2	149.8	145.2	145.2	147.5	149.8	145.2	145.2	145.2
85°	80.7	82.9	78.3	78.3	78.3	82.9	80.7	76.0	80.7	80.7	78.3
87.5°	30.0	27.6	27.6	27.6	27.6	27.6	30.0	32.3	32.3	32.3	34.5
90°	34.3	34.3	34.3	34.3	34.3	34.3	34.3	45.7	61.0	68.6	59.0
92.5°	171.5	164.7	137.4	110.1	137.4	164.7	171.5	243.2	338.7	386.5	339.3
95°	582.4	561.8	479.1	396.4	479.1	561.8	582.4	764.9	1008.1	1129.6	954.1
97.5°	1344.6	1305.3	1147.9	990.6	1147.9	1305.3	1344.6	1459.9	1613.6	1690.4	1397.7
100°	1888.2	1841.4	1653.9	1466.5	1653.9	1841.4	1888.2	1879.8	1868.5	1862.9	1538.0
102.5°	2352.3	2312.2	2151.7	1991.1	2151.7	2312.2	2352.3	2205.5	2009.6	1911.7	1582.2
105°	2894.1	2872.6	2786.2	2700.0	2786.2	2872.6	2894.1	2564.8	2125.8	1906.3	1587.2
107.5°	3175.9	3181.1	3201.9	3222.8	3201.9	3181.1	3175.9	2716.6	2104.1	1797.9	1516.6
110°	3248.1	3270.6	3360.5	3450.4	3360.5	3270.6	3248.1	2734.6	2050.0	1707.6	1453.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3202.0	3236.6	3374.6	3512.6	3374.6	3236.6	3202.0	2676.4	1975.8	1625.4	1399.3
115°	3045.8	3093.7	3285.1	3476.5	3285.1	3093.7	3045.8	2539.5	1864.5	1527.0	1336.6
117.5°	2830.0	2883.1	3095.4	3307.7	3095.4	2883.1	2830.0	2373.1	1763.9	1459.3	1297.3
120°	2684.6	2736.2	2942.5	3148.7	2942.5	2736.2	2684.6	2267.1	1710.5	1432.1	1284.1
122.5°	2539.3	2590.1	2793.6	2997.1	2793.6	2590.1	2539.3	2163.3	1662.0	1411.4	1277.1
125°	2346.9	2393.7	2581.2	2768.6	2581.2	2393.7	2346.9	2027.6	1601.8	1388.8	1271.4
127.5°	2192.5	2232.0	2390.2	2548.3	2390.2	2232.0	2192.5	1918.3	1552.7	1369.9	1268.1
130°	2095.0	2131.5	2277.6	2423.6	2277.6	2131.5	2095.0	1850.9	1525.4	1362.6	1270.1
132.5°	2011.9	2044.6	2175.5	2306.3	2175.5	2044.6	2011.9	1793.3	1502.0	1356.3	1271.4
135°	1894.5	1922.7	2035.5	2148.3	2035.5	1922.7	1894.5	1711.5	1467.5	1345.5	1270.2
137.5°	1807.8	1830.9	1923.2	2015.5	1923.2	1830.9	1807.8	1653.1	1446.8	1343.6	1278.1
140°	1738.3	1759.9	1846.2	1932.4	1846.2	1759.9	1738.3	1604.6	1426.5	1337.4	1279.4
142.5°	1689.5	1708.1	1782.3	1856.6	1782.3	1708.1	1689.5	1572.1	1415.6	1337.4	1284.0
145°	1616.4	1630.4	1686.6	1742.8	1686.6	1630.4	1616.4	1520.4	1392.3	1328.3	1284.0
147.5°	1555.0	1566.6	1613.2	1659.7	1613.2	1566.6	1555.0	1479.4	1378.7	1328.3	1292.8
150°	1519.8	1529.2	1567.0	1604.6	1567.0	1529.2	1519.8	1455.9	1370.8	1328.3	1297.4
152.5°	1491.8	1498.9	1527.4	1555.9	1527.4	1498.9	1491.8	1437.3	1364.6	1328.3	1300.4
155°	1458.4	1463.1	1481.9	1500.8	1481.9	1463.1	1458.4	1415.0	1357.2	1328.3	1307.0
157.5°	1429.4	1432.8	1446.0	1459.3	1446.0	1432.8	1429.4	1395.7	1350.8	1328.3	1313.6
160°	1415.0	1416.9	1424.5	1432.1	1424.5	1416.9	1415.0	1386.1	1347.6	1328.3	1316.7
162.5°	1401.4	1403.3	1410.5	1417.8	1410.5	1403.3	1401.4	1377.0	1344.5	1328.3	1319.8
165°	1380.7	1382.6	1390.2	1397.9	1390.2	1382.6	1380.7	1363.3	1340.0	1328.3	1324.4
167.5°	1371.6	1372.4	1375.6	1378.9	1375.6	1372.4	1371.6	1360.2	1344.9	1337.4	1334.1
170°	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6	1360.2	1344.9	1337.4	1337.2
172.5°	1364.5	1363.8	1360.9	1358.1	1360.9	1363.8	1364.5	1355.4	1343.4	1337.4	1337.4
175°	1354.5	1354.5	1354.5	1354.5	1354.5	1354.5	1354.5	1348.8	1341.2	1337.4	1339.2
177.5°	1352.7	1351.9	1348.7	1345.5	1348.7	1351.9	1352.7	1348.2	1342.1	1339.2	1340.6
180°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2435.7	2435.7	2435.7	2435.7	2435.7
2.5°	2405.7	2417.3	2424.2	2433.4	2456.4
5°	2313.5	2357.3	2371.1	2405.7	2447.2
7.5°	2110.8	2244.4	2281.2	2364.3	2428.8
10°	1914.9	2048.6	2113.0	2309.0	2405.7
12.5°	1815.8	1894.1	1937.9	2212.2	2373.4
15°	1753.6	1808.9	1841.1	2083.1	2336.6
17.5°	1705.2	1744.4	1767.4	1956.4	2285.9
20°	1675.3	1693.7	1714.4	1864.2	2228.3
22.5°	1654.5	1643.0	1659.1	1799.7	2149.9
25°	1640.6	1596.9	1615.4	1749.0	2057.7
27.5°	1652.2	1555.4	1562.3	1702.9	1960.9
30°	1654.5	1504.7	1507.0	1654.5	1852.6
32.5°	1638.4	1451.8	1454.0	1594.6	1730.6
35°	1599.2	1389.5	1387.2	1525.4	1564.6
37.5°	1546.2	1322.7	1322.7	1449.4	1382.6
40°	1481.7	1255.8	1262.8	1350.3	1221.3
42.5°	1403.4	1184.4	1193.6	1219.0	1101.5
45°	1318.1	1115.3	1122.2	1030.0	1009.3
47.5°	1223.6	1043.8	1046.2	854.9	979.4
50°	1110.7	970.1	960.9	732.8	977.0
52.5°	1011.6	889.5	861.8	663.6	887.2
55°	914.9	804.2	744.3	610.7	822.7
57.5°	829.6	693.6	636.0	548.4	808.8
60°	751.2	585.3	541.5	481.6	742.0
62.5°	686.7	504.6	495.4	435.5	672.9
65°	617.6	449.4	447.0	396.3	571.4
67.5°	550.8	412.5	410.2	359.5	435.5
70°	479.3	373.3	368.7	320.3	322.6
72.5°	405.6	329.5	324.9	288.0	267.3
75°	331.8	278.8	276.5	251.1	216.6
77.5°	260.4	221.2	225.9	202.7	159.0
80°	186.6	161.3	165.9	145.2	119.8
82.5°	124.4	106.0	110.6	92.2	80.7
85°	69.2	59.9	62.2	48.4	36.9
87.5°	32.3	27.6	27.6	18.4	11.5
90°	39.8	25.3	23.5	16.3	9.1
92.5°	245.0	174.3	159.0	97.5	36.1
95°	602.9	339.6	311.5	199.1	86.7
97.5°	812.1	373.0	348.2	249.1	149.9
100°	888.3	401.0	378.5	288.6	198.6
102.5°	923.2	429.0	407.9	324.0	240.2
105°	949.0	470.5	452.7	381.7	310.6
107.5°	953.8	531.9	515.3	449.1	382.9
110°	946.7	566.2	551.3	491.5	431.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	946.9	607.7	593.5	536.5	479.5
115°	955.7	670.0	656.8	604.3	551.7
117.5°	973.5	730.5	718.6	670.9	623.1
120°	987.8	765.7	754.5	709.6	664.6
122.5°	1008.6	807.2	795.9	750.6	705.2
125°	1036.6	860.5	850.2	808.9	767.6
127.5°	1064.7	912.1	901.6	859.9	818.1
130°	1085.1	946.3	935.1	890.2	845.2
132.5°	1101.6	974.3	963.1	918.2	873.2
135°	1119.7	1006.9	996.6	955.7	914.8
137.5°	1146.8	1048.4	1038.2	997.7	957.1
140°	1163.4	1076.4	1067.0	1029.7	992.4
142.5°	1177.2	1097.1	1088.5	1054.0	1019.5
145°	1195.3	1128.8	1121.3	1091.1	1061.0
147.5°	1221.8	1168.5	1161.2	1131.9	1102.6
150°	1235.6	1189.3	1182.7	1156.1	1129.6
152.5°	1244.7	1202.8	1197.7	1177.7	1157.6
155°	1264.5	1232.6	1228.9	1214.0	1199.2
157.5°	1284.3	1262.4	1258.8	1244.3	1229.9
160°	1293.4	1276.0	1273.2	1261.9	1250.7
162.5°	1303.0	1290.3	1288.3	1279.8	1271.4
165°	1316.9	1311.2	1309.3	1301.7	1294.0
167.5°	1327.7	1322.9	1322.0	1318.3	1314.8
170°	1336.7	1336.5	1335.6	1331.9	1328.3
172.5°	1337.4	1337.4	1337.2	1336.3	1335.5
175°	1342.8	1345.5	1345.5	1345.5	1345.5
177.5°	1343.4	1345.5	1345.5	1345.5	1345.5
180°	1345.5	1345.5	1345.5	1345.5	1345.5



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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	12.45	13.24	13.47	14.27	15.65	15.28	16.08	16.31	17.11	18.49
	3H	12.92	13.63	13.95	14.67	16.07	16.63	17.34	17.66	18.38	19.78
	4H	13.11	13.78	14.15	14.82	16.23	17.07	17.74	18.11	18.79	20.19
	6H	13.22	13.84	14.28	14.89	16.31	17.35	17.97	18.41	19.02	20.44
	8H	13.22	13.81	14.28	14.87	16.29	17.43	18.02	18.49	19.08	20.49
	12H	13.19	13.75	14.25	14.81	16.25	17.46	18.02	18.53	19.08	20.52
4H	2H	13.47	14.15	14.52	15.19	16.60	15.68	16.36	16.74	17.40	18.81
	3H	14.49	15.05	15.55	16.12	17.55	17.19	17.75	18.25	18.82	20.24
	4H	14.77	15.28	15.83	16.34	17.79	17.71	18.23	18.78	19.29	20.73
	6H	14.89	15.33	15.96	16.41	17.85	18.08	18.52	19.15	19.60	21.04
	8H	14.89	15.30	15.97	16.38	17.83	18.18	18.60	19.26	19.67	21.13
	12H	14.86	15.23	15.95	16.32	17.78	18.24	18.61	19.33	19.70	21.16
8H	4H	15.22	15.63	16.29	16.71	18.16	17.83	18.24	18.91	19.32	20.77
	6H	15.47	15.82	16.57	16.93	18.38	18.27	18.61	19.37	19.73	21.18
	8H	15.52	15.82	16.62	16.92	18.39	18.42	18.72	19.53	19.82	21.29
	12H	15.50	15.76	16.61	16.86	18.37	18.52	18.78	19.63	19.88	21.39
12H	4H	15.22	15.59	16.31	16.68	18.14	17.79	18.17	18.89	19.26	20.72
	6H	15.54	15.83	16.64	16.94	18.41	18.26	18.56	19.37	19.66	21.13
	8H	15.60	15.86	16.71	16.96	18.47	18.42	18.69	19.53	19.78	21.29