

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: P936187

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-2700K

Issue Date: 12/17/2024

**Test Information**

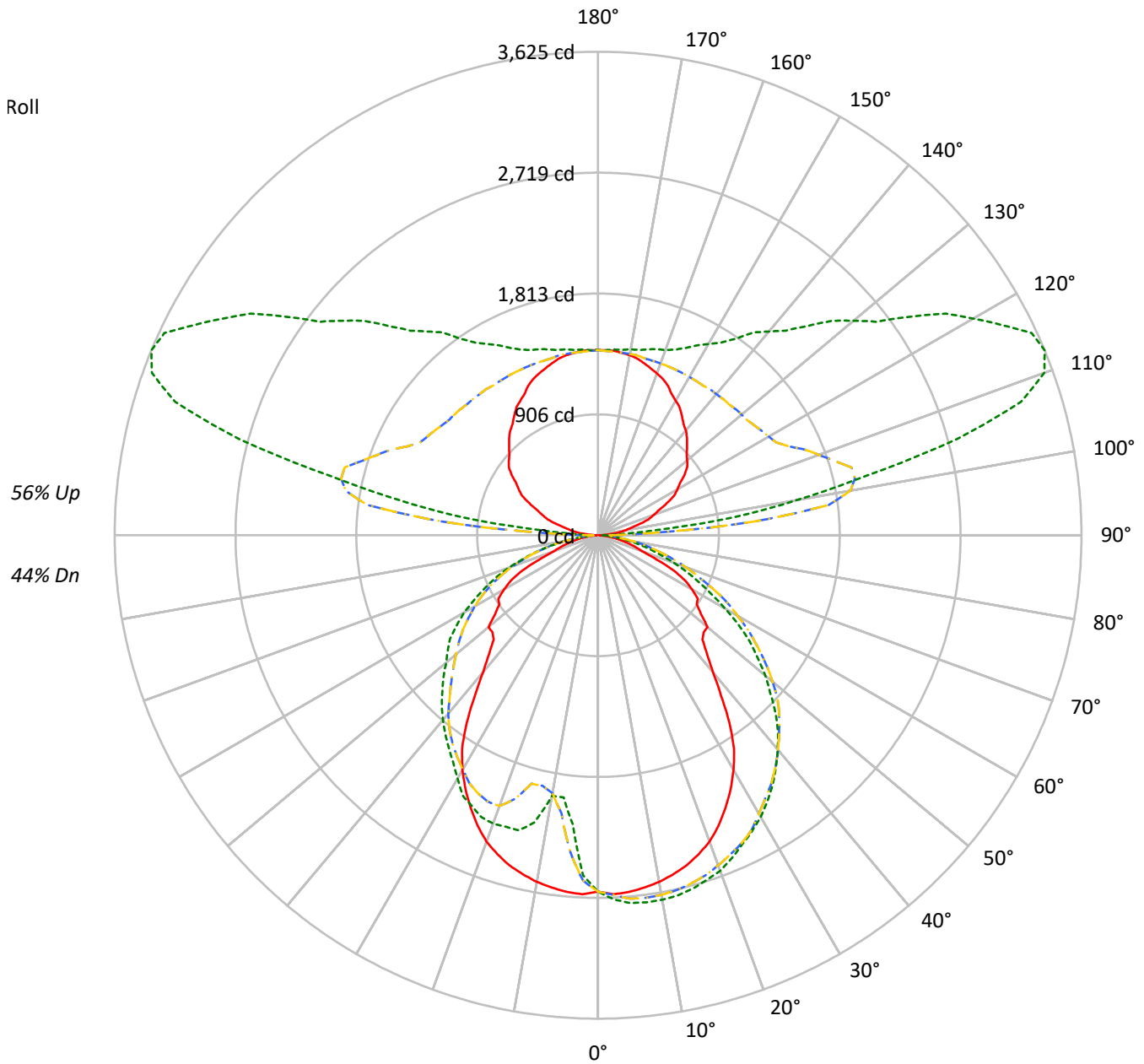
Test Method: LM-79-2019  
Report Number: P936187  
REPORT IS A COMBINATION OF REPORTS P933783 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15934.0 lumens  
Efficiency: N/A  
Efficacy: 127.7 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

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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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11

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

	0°	90°	180°	270°
0°	16530	16530	16530	16530
5°	16647	16686	16647	13120
10°	16530	16437	16530	11751
15°	16344	16081	16344	13427
20°	15996	15659	15996	13456
25°	15289	15043	15289	13170
30°	14379	14533	14379	12545
35°	12813	13886	12813	11857
40°	10670	13126	10670	11336
45°	9528	12235	9528	10739
50°	10115	11173	10115	10139
55°	9507	10029	9507	9792
60°	9788	8518	9788	8968
65°	8861	7041	8861	7871
70°	6121	5612	6121	6597
75°	5346	4148	5346	4968
80°	4280	2742	4280	2986
85°	2409	1452	2409	1235

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14612 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.2	1.5
10°-20°	684.8	4.3
20°-30°	1058.6	6.6
30°-40°	1263.8	7.9
40°-50°	1271.2	8.0
50°-60°	1106.1	6.9
60°-70°	784.2	4.9
70°-80°	414.9	2.6
80°-90°	108.6	0.7
90°-100°	676.8	4.2
100°-110°	1779.3	11.2
110°-120°	1844.9	11.6
120°-130°	1479.9	9.3
130°-140°	1161.2	7.3
140°-150°	891.2	5.6
150°-160°	641.8	4.0
160°-170°	392.7	2.5
170°-180°	132.7	0.8
0°-30°	1984.7	12.5
0°-40°	3248.4	20.4
0°-60°	5625.7	35.3
0°-90°	6933.5	43.5
90°-120°	4301.0	27.0
90°-150°	7833.3	49.2
90°-180°	9001.0	56.5
0°-180°	15934.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2672	2672	2672	2672	2672	
5°	2685	2768	2685	2177	2685	255
15°	2563	2743	2563	2290	2563	721
25°	2257	2558	2257	2240	2257	1037
35°	1716	2283	1716	1949	1716	1062
45°	1107	1881	1107	1651	1107	887
55°	902	1388	902	1355	902	829
65°	627	837	627	935	627	599
75°	238	397	238	475	238	250
85°	40	101	40	86	40	55
90°	9	36	9	36	9	9
95°	89	409	89	409	89	99
105°	320	2786	320	2786	320	340
115°	569	3588	569	3588	569	562
125°	792	2857	792	2857	792	703
135°	944	2217	944	2217	944	730
145°	1095	1798	1095	1798	1095	686
155°	1237	1549	1237	1549	1237	569
165°	1335	1442	1335	1442	1335	377
175°	1388	1398	1388	1398	1388	132
180°	1388	1388	1388	1388	1388	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1
2.5°	2694.8	2694.8	2710.0	2715.0	2715.0	2707.4	2699.9	2707.4	2730.2	2737.8	2735.2
5°	2684.7	2704.9	2732.7	2737.8	2742.9	2740.3	2735.2	2740.3	2765.6	2770.7	2773.2
7.5°	2664.5	2702.3	2737.8	2745.4	2752.9	2745.4	2742.9	2747.9	2773.2	2778.2	2778.2
10°	2639.2	2692.3	2732.7	2737.8	2745.4	2737.8	2737.8	2747.9	2773.2	2778.2	2780.7
12.5°	2603.8	2677.1	2715.0	2720.1	2730.2	2727.6	2725.2	2735.2	2760.5	2765.6	2765.6
15°	2563.4	2649.3	2684.7	2689.8	2707.4	2702.3	2702.3	2712.5	2740.3	2747.9	2745.4
17.5°	2507.7	2613.9	2654.3	2661.9	2674.6	2672.1	2674.6	2684.7	2710.0	2715.0	2717.6
20°	2444.6	2565.9	2613.9	2621.5	2634.1	2634.1	2634.1	2646.8	2672.1	2682.1	2682.1
22.5°	2358.6	2515.3	2565.9	2571.0	2586.1	2586.1	2591.2	2608.8	2631.6	2634.1	2634.1
25°	2257.4	2459.7	2502.6	2517.9	2533.0	2540.6	2548.2	2558.3	2565.9	2563.4	2565.9
27.5°	2151.3	2388.9	2444.6	2454.6	2474.9	2482.4	2492.6	2495.1	2497.7	2505.2	2500.2
30°	2032.4	2290.3	2373.8	2383.8	2416.7	2421.8	2411.7	2416.7	2429.3	2434.4	2439.5
32.5°	1898.5	2143.7	2300.5	2323.2	2353.5	2338.4	2335.8	2343.4	2363.6	2363.6	2368.7
35°	1716.5	2029.9	2232.2	2252.5	2275.2	2257.4	2267.6	2270.1	2282.7	2290.3	2287.8
37.5°	1516.8	1931.3	2161.4	2176.6	2194.3	2171.5	2186.7	2194.3	2204.3	2199.4	2199.4
40°	1339.8	1777.2	2078.0	2088.1	2103.3	2085.5	2100.8	2105.8	2110.8	2105.8	2103.3
42.5°	1208.3	1607.7	1989.5	2002.2	1992.0	2004.6	2009.7	2019.9	2012.2	2002.2	2002.2
45°	1107.3	1562.3	1893.4	1908.6	1893.4	1913.7	1921.3	1921.3	1898.5	1893.4	1890.9
47.5°	1074.4	1471.3	1797.4	1797.4	1789.8	1815.1	1827.8	1810.0	1787.2	1779.7	1779.7
50°	1071.9	1370.2	1665.9	1655.8	1691.2	1721.6	1708.9	1691.2	1673.5	1645.7	1645.7
52.5°	973.3	1246.3	1496.6	1534.4	1590.1	1607.7	1587.5	1569.9	1539.5	1526.9	1516.8
55°	902.5	1117.3	1342.3	1418.2	1476.4	1499.1	1461.1	1443.5	1398.0	1390.4	1385.3
57.5°	887.3	930.3	1200.8	1296.9	1367.6	1365.1	1342.3	1309.4	1271.6	1264.0	1261.4
60°	814.0	672.4	1049.1	1162.8	1236.1	1228.6	1208.3	1178.1	1142.6	1137.6	1132.6
62.5°	738.1	487.9	877.2	1006.2	1109.7	1107.3	1089.5	1044.0	1018.8	1006.2	996.0
65°	627.0	409.6	624.4	836.7	985.9	990.9	953.1	920.2	892.4	877.2	874.7
67.5°	477.8	333.7	422.2	697.7	867.1	862.0	814.0	798.8	763.4	755.9	740.7
70°	353.9	222.5	293.2	566.2	750.8	738.1	700.3	682.6	649.7	632.0	621.9
72.5°	293.2	179.5	214.8	439.8	632.0	616.8	584.0	563.7	535.9	520.8	510.6
75°	237.6	189.6	164.3	326.1	513.1	503.1	472.7	452.5	429.8	409.6	412.0
77.5°	174.4	177.0	131.5	240.1	407.0	391.8	374.1	348.9	338.7	318.5	318.5
80°	131.5	139.0	98.6	164.3	293.2	293.2	278.1	260.4	242.7	232.6	232.6
82.5°	88.4	88.4	73.3	103.7	199.7	192.1	182.0	177.0	166.8	161.8	161.8
85°	40.4	50.6	45.5	63.2	108.7	113.7	113.7	108.7	106.2	101.1	103.7
87.5°	12.6	22.7	27.8	35.4	55.6	58.2	60.7	60.7	60.7	63.2	63.2
90°	9.4	16.8	24.2	26.1	41.0	60.9	70.8	62.9	47.2	35.5	35.5
92.5°	37.3	100.6	164.0	179.9	252.9	350.2	398.8	349.5	251.0	177.1	170.0
95°	89.4	205.4	321.4	350.4	622.2	984.5	1165.7	1040.2	789.2	601.0	579.7
97.5°	154.7	257.0	359.3	384.9	838.0	1442.3	1744.4	1665.1	1506.4	1387.5	1346.9
100°	205.0	297.8	390.5	413.7	916.6	1587.1	1922.4	1928.2	1939.8	1948.5	1900.2
102.5°	247.9	334.5	421.0	442.6	952.7	1632.6	1972.7	2073.7	2275.8	2427.4	2385.9
105°	320.5	393.8	467.1	485.5	979.4	1637.8	1967.1	2193.6	2646.7	2986.5	2964.2
107.5°	395.1	463.4	531.8	548.8	984.2	1564.9	1855.2	2171.3	2803.2	3277.2	3282.6
110°	445.4	507.2	568.8	584.3	976.9	1500.3	1762.0	2115.3	2821.9	3351.7	3374.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	494.8	553.6	612.3	627.1	977.2	1443.9	1677.3	2038.8	2761.9	3304.2	3339.9
115°	569.3	623.6	677.9	691.4	986.1	1379.2	1575.7	1924.0	2620.6	3143.0	3192.4
117.5°	642.9	692.2	741.5	753.9	1004.6	1338.7	1505.9	1820.2	2448.8	2920.3	2975.1
120°	685.8	732.3	778.7	790.2	1019.4	1325.1	1477.9	1765.1	2339.5	2770.3	2823.5
122.5°	727.8	774.6	821.4	833.1	1040.8	1317.9	1456.5	1715.1	2232.3	2620.3	2672.8
125°	792.0	834.6	877.4	888.0	1069.7	1312.0	1433.1	1652.9	2092.2	2421.8	2470.1
127.5°	844.2	887.2	930.4	941.1	1098.6	1308.5	1413.5	1602.2	1979.5	2262.4	2303.2
130°	872.2	918.6	965.0	976.6	1119.8	1310.7	1406.2	1574.1	1909.9	2161.8	2199.5
132.5°	901.1	947.5	993.9	1005.5	1136.8	1312.0	1399.6	1549.9	1850.6	2076.1	2109.8
135°	943.9	986.1	1028.5	1039.0	1155.5	1310.7	1388.4	1514.3	1766.1	1954.9	1984.0
137.5°	987.7	1029.6	1071.4	1081.9	1183.4	1318.8	1386.5	1493.0	1705.8	1865.5	1889.3
140°	1024.1	1062.6	1101.1	1110.7	1200.5	1320.2	1380.1	1472.0	1655.8	1793.8	1816.0
142.5°	1052.0	1087.6	1123.3	1132.2	1214.8	1325.0	1380.1	1460.8	1622.3	1743.4	1762.5
145°	1094.9	1126.0	1157.1	1164.8	1233.4	1325.0	1370.7	1436.7	1568.9	1668.0	1682.4
147.5°	1137.7	1168.0	1198.2	1205.8	1260.7	1334.0	1370.7	1422.7	1526.6	1604.6	1616.6
150°	1165.7	1193.0	1220.3	1227.2	1275.0	1338.8	1370.7	1414.6	1502.4	1568.2	1578.0
152.5°	1194.6	1215.3	1236.0	1241.2	1284.3	1341.9	1370.7	1408.1	1483.1	1539.3	1546.7
155°	1237.4	1252.8	1268.1	1271.9	1304.9	1348.8	1370.7	1400.5	1460.1	1504.9	1509.7
157.5°	1269.1	1284.0	1299.0	1302.7	1325.4	1355.6	1370.7	1393.9	1440.3	1475.1	1478.5
160°	1290.6	1302.2	1313.7	1316.6	1334.6	1358.6	1370.7	1390.6	1430.4	1460.1	1462.1
162.5°	1312.0	1320.7	1329.4	1331.6	1344.6	1362.0	1370.7	1387.4	1421.0	1446.2	1448.1
165°	1335.3	1343.2	1351.0	1353.0	1358.8	1366.7	1370.7	1382.7	1406.8	1424.8	1426.8
167.5°	1356.8	1360.4	1364.2	1365.1	1370.1	1376.8	1380.1	1387.9	1403.7	1415.4	1416.2
170°	1370.7	1374.4	1378.2	1379.1	1379.4	1379.9	1380.1	1387.9	1403.7	1415.4	1415.4
172.5°	1378.2	1379.0	1379.9	1380.1	1380.1	1380.1	1380.1	1386.2	1398.7	1407.9	1407.2
175°	1388.4	1388.4	1388.4	1388.4	1385.6	1382.0	1380.1	1383.9	1391.8	1397.7	1397.7
177.5°	1388.4	1388.4	1388.4	1388.4	1386.2	1383.3	1381.9	1384.9	1391.2	1395.9	1395.1
180°	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1
2.5°	2740.3	2732.7	2740.3	2735.2	2737.8	2730.2	2707.4	2699.9	2707.4	2715.0	2715.0
5°	2773.2	2768.1	2773.2	2773.2	2770.7	2765.6	2740.3	2735.2	2740.3	2742.9	2737.8
7.5°	2783.3	2775.8	2783.3	2778.2	2778.2	2773.2	2747.9	2742.9	2745.4	2752.9	2745.4
10°	2783.3	2775.8	2783.3	2780.7	2778.2	2773.2	2747.9	2737.8	2737.8	2745.4	2737.8
12.5°	2770.7	2765.6	2770.7	2765.6	2765.6	2760.5	2735.2	2725.2	2727.6	2730.2	2720.1
15°	2750.5	2742.9	2750.5	2745.4	2747.9	2740.3	2712.5	2702.3	2702.3	2707.4	2689.8
17.5°	2720.1	2710.0	2720.1	2717.6	2715.0	2710.0	2684.7	2674.6	2672.1	2674.6	2661.9
20°	2684.7	2677.1	2684.7	2682.1	2682.1	2672.1	2646.8	2634.1	2634.1	2634.1	2621.5
22.5°	2629.0	2621.5	2629.0	2634.1	2634.1	2631.6	2608.8	2591.2	2586.1	2586.1	2571.0
25°	2565.9	2558.3	2565.9	2565.9	2563.4	2565.9	2558.3	2548.2	2540.6	2533.0	2517.9
27.5°	2505.2	2500.2	2505.2	2500.2	2505.2	2497.7	2495.1	2492.6	2482.4	2474.9	2454.6
30°	2444.6	2439.5	2444.6	2439.5	2434.4	2429.3	2416.7	2411.7	2421.8	2416.7	2383.8
32.5°	2368.7	2363.6	2368.7	2368.7	2363.6	2363.6	2343.4	2335.8	2338.4	2353.5	2323.2
35°	2290.3	2282.7	2290.3	2287.8	2290.3	2282.7	2270.1	2267.6	2257.4	2275.2	2252.5
37.5°	2199.4	2191.7	2199.4	2199.4	2199.4	2204.3	2194.3	2186.7	2171.5	2194.3	2176.6
40°	2105.8	2095.7	2105.8	2103.3	2105.8	2110.8	2105.8	2100.8	2085.5	2103.3	2088.1
42.5°	1999.7	1997.1	1999.7	2002.2	2002.2	2012.2	2019.9	2009.7	2004.6	1992.0	2002.2
45°	1885.8	1880.8	1885.8	1890.9	1893.4	1898.5	1921.3	1921.3	1913.7	1893.4	1908.6
47.5°	1764.5	1751.9	1764.5	1779.7	1779.7	1787.2	1810.0	1827.8	1815.1	1789.8	1797.4
50°	1635.6	1638.1	1635.6	1645.7	1645.7	1673.5	1691.2	1708.9	1721.6	1691.2	1655.8
52.5°	1509.2	1506.6	1509.2	1516.8	1526.9	1539.5	1569.9	1587.5	1607.7	1590.1	1534.4
55°	1382.7	1387.8	1382.7	1385.3	1390.4	1398.0	1443.5	1461.1	1499.1	1476.4	1418.2
57.5°	1256.4	1248.8	1256.4	1261.4	1264.0	1271.6	1309.4	1342.3	1365.1	1367.6	1296.9
60°	1109.7	1099.7	1109.7	1132.6	1137.6	1142.6	1178.1	1208.3	1228.6	1236.1	1162.8
62.5°	980.9	963.1	980.9	996.0	1006.2	1018.8	1044.0	1089.5	1107.3	1109.7	1006.2
65°	844.3	836.7	844.3	874.7	877.2	892.4	920.2	953.1	990.9	985.9	836.7
67.5°	720.5	720.5	720.5	740.7	755.9	763.4	798.8	814.0	862.0	867.1	697.7
70°	606.7	604.2	606.7	621.9	632.0	649.7	682.6	700.3	738.1	750.8	566.2
72.5°	498.0	495.5	498.0	510.6	520.8	535.9	563.7	584.0	616.8	632.0	439.8
75°	402.0	396.9	402.0	412.0	409.6	429.8	452.5	472.7	503.1	513.1	326.1
77.5°	308.5	308.5	308.5	318.5	318.5	338.7	348.9	374.1	391.8	407.0	240.1
80°	230.1	227.5	230.1	232.6	232.6	242.7	260.4	278.1	293.2	293.2	164.3
82.5°	161.8	156.8	161.8	161.8	161.8	166.8	177.0	182.0	192.1	199.7	103.7
85°	101.1	101.1	101.1	103.7	101.1	106.2	108.7	113.7	113.7	108.7	63.2
87.5°	65.7	63.2	65.7	63.2	63.2	60.7	60.7	60.7	58.2	55.6	35.4
90°	35.5	35.5	35.5	35.5	35.5	47.2	62.9	70.8	60.9	41.0	26.1
92.5°	141.8	113.6	141.8	170.0	177.1	251.0	349.5	398.8	350.2	252.9	179.9
95°	494.3	409.1	494.3	579.7	601.0	789.2	1040.2	1165.7	984.5	622.2	350.4
97.5°	1184.5	1022.2	1184.5	1346.9	1387.5	1506.4	1665.1	1744.4	1442.3	838.0	384.9
100°	1706.7	1513.3	1706.7	1900.2	1948.5	1939.8	1928.2	1922.4	1587.1	916.6	413.7
102.5°	2220.3	2054.6	2220.3	2385.9	2427.4	2275.8	2073.7	1972.7	1632.6	952.7	442.6
105°	2875.2	2786.1	2875.2	2964.2	2986.5	2646.7	2193.6	1967.1	1637.8	979.4	485.5
107.5°	3304.1	3325.6	3304.1	3282.6	3277.2	2803.2	2171.3	1855.2	1564.9	984.2	548.8
110°	3467.7	3560.5	3467.7	3374.9	3351.7	2821.9	2115.3	1762.0	1500.3	976.9	584.3





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3482.3	3624.7	3482.3	3339.9	3304.2	2761.9	2038.8	1677.3	1443.9	977.2	627.1
115°	3389.9	3587.5	3389.9	3192.4	3143.0	2620.6	1924.0	1575.7	1379.2	986.1	691.4
117.5°	3194.2	3413.3	3194.2	2975.1	2920.3	2448.8	1820.2	1505.9	1338.7	1004.6	753.9
120°	3036.4	3249.3	3036.4	2823.5	2770.3	2339.5	1765.1	1477.9	1325.1	1019.4	790.2
122.5°	2882.7	3092.7	2882.7	2672.8	2620.3	2232.3	1715.1	1456.5	1317.9	1040.8	833.1
125°	2663.5	2856.9	2663.5	2470.1	2421.8	2092.2	1652.9	1433.1	1312.0	1069.7	888.0
127.5°	2466.4	2629.6	2466.4	2303.2	2262.4	1979.5	1602.2	1413.5	1308.5	1098.6	941.1
130°	2350.3	2501.0	2350.3	2199.5	2161.8	1909.9	1574.1	1406.2	1310.7	1119.8	976.6
132.5°	2244.8	2379.8	2244.8	2109.8	2076.1	1850.6	1549.9	1399.6	1312.0	1136.8	1005.5
135°	2100.5	2216.8	2100.5	1984.0	1954.9	1766.1	1514.3	1388.4	1310.7	1155.5	1039.0
137.5°	1984.6	2079.8	1984.6	1889.3	1865.5	1705.8	1493.0	1386.5	1318.8	1183.4	1081.9
140°	1905.0	1994.1	1905.0	1816.0	1793.8	1655.8	1472.0	1380.1	1320.2	1200.5	1110.7
142.5°	1839.2	1915.8	1839.2	1762.5	1743.4	1622.3	1460.8	1380.1	1325.0	1214.8	1132.2
145°	1740.4	1798.4	1740.4	1682.4	1668.0	1568.9	1436.7	1370.7	1325.0	1233.4	1164.8
147.5°	1664.6	1712.7	1664.6	1616.6	1604.6	1526.6	1422.7	1370.7	1334.0	1260.7	1205.8
150°	1616.9	1655.8	1616.9	1578.0	1568.2	1502.4	1414.6	1370.7	1338.8	1275.0	1227.2
152.5°	1576.1	1605.6	1576.1	1546.7	1539.3	1483.1	1408.1	1370.7	1341.9	1284.3	1241.2
155°	1529.2	1548.7	1529.2	1509.7	1504.9	1460.1	1400.5	1370.7	1348.8	1304.9	1271.9
157.5°	1492.2	1505.9	1492.2	1478.5	1475.1	1440.3	1393.9	1370.7	1355.6	1325.4	1302.7
160°	1470.0	1477.9	1470.0	1462.1	1460.1	1430.4	1390.6	1370.7	1358.6	1334.6	1316.6
162.5°	1455.5	1462.9	1455.5	1448.1	1446.2	1421.0	1387.4	1370.7	1362.0	1344.6	1331.6
165°	1434.5	1442.4	1434.5	1426.8	1424.8	1406.8	1382.7	1370.7	1366.7	1358.8	1353.0
167.5°	1419.6	1422.9	1419.6	1416.2	1415.4	1403.7	1387.9	1380.1	1376.8	1370.1	1365.1
170°	1415.4	1415.4	1415.4	1415.4	1415.4	1403.7	1387.9	1380.1	1379.9	1379.4	1379.1
172.5°	1404.4	1401.5	1404.4	1407.2	1407.9	1398.7	1386.2	1380.1	1380.1	1380.1	1380.1
175°	1397.7	1397.7	1397.7	1397.7	1397.7	1391.8	1383.9	1380.1	1382.0	1385.6	1388.4
177.5°	1391.7	1388.4	1391.7	1395.1	1395.9	1391.2	1384.9	1381.9	1383.3	1386.2	1388.4
180°	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1
2.5°	2710.0	2694.8	2694.8	2669.6	2659.4	2651.8	2639.2	2601.3	2591.2	2581.0	2596.2
5°	2732.7	2704.9	2684.7	2639.2	2601.3	2586.1	2538.1	2447.1	2386.4	2340.9	2315.6
7.5°	2737.8	2702.3	2664.5	2593.7	2502.6	2462.2	2315.6	2148.8	2103.3	2062.8	2037.5
10°	2732.7	2692.3	2639.2	2533.0	2318.2	2247.4	2100.8	1992.0	1964.2	1956.6	1964.2
12.5°	2715.0	2677.1	2603.8	2426.9	2126.1	2078.0	1992.0	1928.9	1923.8	1936.4	2004.6
15°	2684.7	2649.3	2563.4	2285.3	2019.9	1984.4	1923.8	1901.1	1928.9	2017.3	2222.1
17.5°	2654.3	2613.9	2507.7	2146.3	1938.9	1913.7	1870.7	1916.2	2073.0	2191.7	2260.0
20°	2613.9	2565.9	2444.6	2045.1	1880.8	1858.0	1837.8	2042.6	2161.4	2204.3	2242.3
22.5°	2565.9	2515.3	2358.6	1974.4	1820.1	1802.5	1815.1	2113.4	2161.4	2191.7	2224.6
25°	2502.6	2459.7	2257.4	1918.7	1772.1	1751.9	1799.9	2105.8	2133.6	2141.2	2206.9
27.5°	2444.6	2388.9	2151.3	1868.2	1713.9	1706.3	1812.5	2073.0	2093.2	2100.8	2171.5
30°	2373.8	2290.3	2032.4	1815.1	1653.3	1650.8	1815.1	2032.4	2027.5	2047.7	2118.4
32.5°	2300.5	2143.7	1898.5	1749.4	1595.2	1592.6	1797.4	1971.8	1966.8	1994.6	2047.7
35°	2232.2	2029.9	1716.5	1673.5	1521.8	1524.4	1754.5	1901.1	1903.6	1928.9	1961.7
37.5°	2161.4	1931.3	1516.8	1590.1	1451.1	1451.1	1696.3	1835.3	1830.2	1837.8	1883.3
40°	2078.0	1777.2	1339.8	1481.4	1385.3	1377.8	1625.5	1764.5	1746.8	1744.3	1807.5
42.5°	1989.5	1607.7	1208.3	1337.3	1309.4	1299.4	1539.5	1678.6	1645.7	1653.3	1734.1
45°	1893.4	1562.3	1107.3	1130.0	1231.2	1223.5	1446.0	1580.0	1557.2	1577.5	1660.8
47.5°	1797.4	1471.3	1074.4	937.8	1147.7	1145.2	1342.3	1483.9	1471.3	1491.5	1580.0
50°	1665.9	1370.2	1071.9	803.9	1054.2	1064.2	1218.5	1390.4	1390.4	1408.0	1501.6
52.5°	1496.6	1246.3	973.3	728.1	945.5	975.8	1109.7	1309.4	1314.5	1332.2	1415.6
55°	1342.3	1117.3	902.5	669.9	816.5	882.3	1003.6	1226.1	1236.1	1253.9	1329.7
57.5°	1200.8	930.3	887.3	601.7	697.7	760.9	910.0	1145.2	1150.2	1165.4	1238.7
60°	1049.1	672.4	814.0	528.4	594.1	642.1	824.1	1049.1	1066.8	1076.9	1140.1
62.5°	877.2	487.9	738.1	477.8	543.5	553.6	753.4	958.1	980.9	988.4	1026.4
65°	624.4	409.6	627.0	434.9	490.4	492.9	677.5	864.5	884.7	897.4	925.3
67.5°	422.2	333.7	477.8	394.3	450.0	452.5	604.2	755.9	783.7	793.8	811.4
70°	293.2	222.5	353.9	351.4	404.5	409.6	525.8	657.3	682.6	690.1	700.3
72.5°	214.8	179.5	293.2	316.0	356.5	361.5	444.9	546.0	571.3	578.9	584.0
75°	164.3	189.6	237.6	275.6	303.4	305.9	364.0	444.9	462.6	467.7	470.2
77.5°	131.5	177.0	174.4	222.5	247.7	242.7	285.7	343.8	359.0	359.0	359.0
80°	98.6	139.0	131.5	159.3	182.0	177.0	204.8	245.2	250.3	255.3	252.8
82.5°	73.3	88.4	88.4	101.1	121.3	116.3	136.6	159.3	159.3	159.3	164.3
85°	45.5	50.6	40.4	53.1	68.2	65.7	75.8	86.0	88.4	88.4	83.5
87.5°	27.8	22.7	12.6	20.2	30.4	30.4	35.4	37.9	35.4	35.4	35.4
90°	24.2	16.8	9.4	16.8	24.2	26.1	41.0	60.9	70.8	62.9	47.2
92.5°	164.0	100.6	37.3	100.6	164.0	179.9	252.9	350.2	398.8	349.5	251.0
95°	321.4	205.4	89.4	205.4	321.4	350.4	622.2	984.5	1165.7	1040.2	789.2
97.5°	359.3	257.0	154.7	257.0	359.3	384.9	838.0	1442.3	1744.4	1665.1	1506.4
100°	390.5	297.8	205.0	297.8	390.5	413.7	916.6	1587.1	1922.4	1928.2	1939.8
102.5°	421.0	334.5	247.9	334.5	421.0	442.6	952.7	1632.6	1972.7	2073.7	2275.8
105°	467.1	393.8	320.5	393.8	467.1	485.5	979.4	1637.8	1967.1	2193.6	2646.7
107.5°	531.8	463.4	395.1	463.4	531.8	548.8	984.2	1564.9	1855.2	2171.3	2803.2
110°	568.8	507.2	445.4	507.2	568.8	584.3	976.9	1500.3	1762.0	2115.3	2821.9



TEST NUMBER: P936187

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	612.3	553.6	494.8	553.6	612.3	627.1	977.2	1443.9	1677.3	2038.8	2761.9
115°	677.9	623.6	569.3	623.6	677.9	691.4	986.1	1379.2	1575.7	1924.0	2620.6
117.5°	741.5	692.2	642.9	692.2	741.5	753.9	1004.6	1338.7	1505.9	1820.2	2448.8
120°	778.7	732.3	685.8	732.3	778.7	790.2	1019.4	1325.1	1477.9	1765.1	2339.5
122.5°	821.4	774.6	727.8	774.6	821.4	833.1	1040.8	1317.9	1456.5	1715.1	2232.3
125°	877.4	834.6	792.0	834.6	877.4	888.0	1069.7	1312.0	1433.1	1652.9	2092.2
127.5°	930.4	887.2	844.2	887.2	930.4	941.1	1098.6	1308.5	1413.5	1602.2	1979.5
130°	965.0	918.6	872.2	918.6	965.0	976.6	1119.8	1310.7	1406.2	1574.1	1909.9
132.5°	993.9	947.5	901.1	947.5	993.9	1005.5	1136.8	1312.0	1399.6	1549.9	1850.6
135°	1028.5	986.1	943.9	986.1	1028.5	1039.0	1155.5	1310.7	1388.4	1514.3	1766.1
137.5°	1071.4	1029.6	987.7	1029.6	1071.4	1081.9	1183.4	1318.8	1386.5	1493.0	1705.8
140°	1101.1	1062.6	1024.1	1062.6	1101.1	1110.7	1200.5	1320.2	1380.1	1472.0	1655.8
142.5°	1123.3	1087.6	1052.0	1087.6	1123.3	1132.2	1214.8	1325.0	1380.1	1460.8	1622.3
145°	1157.1	1126.0	1094.9	1126.0	1157.1	1164.8	1233.4	1325.0	1370.7	1436.7	1568.9
147.5°	1198.2	1168.0	1137.7	1168.0	1198.2	1205.8	1260.7	1334.0	1370.7	1422.7	1526.6
150°	1220.3	1193.0	1165.7	1193.0	1220.3	1227.2	1275.0	1338.8	1370.7	1414.6	1502.4
152.5°	1236.0	1215.3	1194.6	1215.3	1236.0	1241.2	1284.3	1341.9	1370.7	1408.1	1483.1
155°	1268.1	1252.8	1237.4	1252.8	1268.1	1271.9	1304.9	1348.8	1370.7	1400.5	1460.1
157.5°	1299.0	1284.0	1269.1	1284.0	1299.0	1302.7	1325.4	1355.6	1370.7	1393.9	1440.3
160°	1313.7	1302.2	1290.6	1302.2	1313.7	1316.6	1334.6	1358.6	1370.7	1390.6	1430.4
162.5°	1329.4	1320.7	1312.0	1320.7	1329.4	1331.6	1344.6	1362.0	1370.7	1387.4	1421.0
165°	1351.0	1343.2	1335.3	1343.2	1351.0	1353.0	1358.8	1366.7	1370.7	1382.7	1406.8
167.5°	1364.2	1360.4	1356.8	1360.4	1364.2	1365.1	1370.1	1376.8	1380.1	1387.9	1403.7
170°	1378.2	1374.4	1370.7	1374.4	1378.2	1379.1	1379.4	1379.9	1380.1	1387.9	1403.7
172.5°	1379.9	1379.0	1378.2	1379.0	1379.9	1380.1	1380.1	1380.1	1380.1	1386.2	1398.7
175°	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1385.6	1382.0	1380.1	1383.9	1391.8
177.5°	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1386.2	1383.3	1381.9	1384.9	1391.2
180°	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4



TEST NUMBER: P936187

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1	2672.1
2.5°	2578.5	2571.0	2581.0	2553.2	2581.0	2571.0	2578.5	2596.2	2581.0	2591.2	2601.3
5°	2262.5	2249.9	2209.4	2176.6	2209.4	2249.9	2262.5	2315.6	2340.9	2386.4	2447.1
7.5°	2022.4	2012.2	2002.2	1981.9	2002.2	2012.2	2022.4	2037.5	2062.8	2103.3	2148.8
10°	1969.3	1971.8	1987.0	1984.4	1987.0	1971.8	1969.3	1964.2	1956.6	1964.2	1992.0
12.5°	2105.8	2128.6	2212.0	2206.9	2212.0	2128.6	2105.8	2004.6	1936.4	1923.8	1928.9
15°	2262.5	2270.1	2287.8	2290.3	2287.8	2270.1	2262.5	2222.1	2017.3	1928.9	1901.1
17.5°	2277.7	2280.2	2292.9	2292.9	2292.9	2280.2	2277.7	2260.0	2191.7	2073.0	1916.2
20°	2265.1	2270.1	2295.4	2300.5	2295.4	2270.1	2265.1	2242.3	2204.3	2161.4	2042.6
22.5°	2260.0	2270.1	2290.3	2287.8	2290.3	2270.1	2260.0	2224.6	2191.7	2161.4	2113.4
25°	2234.7	2234.7	2237.2	2239.8	2237.2	2234.7	2234.7	2206.9	2141.2	2133.6	2105.8
27.5°	2181.6	2186.7	2201.9	2199.4	2201.9	2186.7	2181.6	2171.5	2100.8	2093.2	2073.0
30°	2133.6	2128.6	2115.9	2105.8	2115.9	2128.6	2133.6	2118.4	2047.7	2027.5	2032.4
32.5°	2052.8	2040.1	2027.5	2019.9	2027.5	2040.1	2052.8	2047.7	1994.6	1966.8	1971.8
35°	1956.6	1959.1	1956.6	1949.1	1956.6	1959.1	1956.6	1961.7	1928.9	1903.6	1901.1
37.5°	1888.4	1893.4	1890.9	1880.8	1890.9	1893.4	1888.4	1883.3	1837.8	1830.2	1835.3
40°	1817.6	1820.1	1817.6	1810.0	1817.6	1820.1	1817.6	1807.5	1744.3	1746.8	1764.5
42.5°	1749.4	1746.8	1739.2	1734.1	1739.2	1746.8	1749.4	1734.1	1653.3	1645.7	1678.6
45°	1671.0	1673.5	1658.3	1650.8	1658.3	1673.5	1671.0	1660.8	1577.5	1557.2	1580.0
47.5°	1592.6	1592.6	1580.0	1572.4	1580.0	1592.6	1592.6	1580.0	1491.5	1471.3	1483.9
50°	1509.2	1506.6	1489.0	1486.4	1489.0	1506.6	1509.2	1501.6	1408.0	1390.4	1390.4
52.5°	1413.1	1413.1	1415.6	1420.7	1415.6	1413.1	1413.1	1415.6	1332.2	1314.5	1309.4
55°	1329.7	1332.2	1350.0	1355.0	1350.0	1332.2	1329.7	1329.7	1253.9	1236.1	1226.1
57.5°	1243.8	1243.8	1256.4	1256.4	1256.4	1243.8	1243.8	1238.7	1165.4	1150.2	1145.2
60°	1145.2	1150.2	1160.3	1157.8	1160.3	1150.2	1145.2	1140.1	1076.9	1066.8	1049.1
62.5°	1041.5	1046.6	1049.1	1044.0	1049.1	1046.6	1041.5	1026.4	988.4	980.9	958.1
65°	932.9	937.8	940.4	935.3	940.4	937.8	932.9	925.3	897.4	884.7	864.5
67.5°	821.6	819.0	816.5	826.7	816.5	819.0	821.6	811.4	793.8	783.7	755.9
70°	707.9	707.9	705.3	710.3	705.3	707.9	707.9	700.3	690.1	682.6	657.3
72.5°	586.4	584.0	594.1	586.4	594.1	584.0	586.4	584.0	578.9	571.3	546.0
75°	467.7	472.7	467.7	475.3	467.7	472.7	467.7	470.2	467.7	462.6	444.9
77.5°	356.5	361.5	356.5	356.5	356.5	361.5	356.5	359.0	359.0	359.0	343.8
80°	252.8	250.3	250.3	247.7	250.3	250.3	252.8	252.8	255.3	250.3	245.2
82.5°	161.8	159.3	159.3	164.3	159.3	159.3	161.8	164.3	159.3	159.3	159.3
85°	88.4	91.0	86.0	86.0	86.0	91.0	88.4	83.5	88.4	88.4	86.0
87.5°	32.9	30.4	30.4	30.4	30.4	30.4	32.9	35.4	35.4	35.4	37.9
90°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	47.2	62.9	70.8	60.9
92.5°	177.1	170.0	141.8	113.6	141.8	170.0	177.1	251.0	349.5	398.8	350.2
95°	601.0	579.7	494.3	409.1	494.3	579.7	601.0	789.2	1040.2	1165.7	984.5
97.5°	1387.5	1346.9	1184.5	1022.2	1184.5	1346.9	1387.5	1506.4	1665.1	1744.4	1442.3
100°	1948.5	1900.2	1706.7	1513.3	1706.7	1900.2	1948.5	1939.8	1928.2	1922.4	1587.1
102.5°	2427.4	2385.9	2220.3	2054.6	2220.3	2385.9	2427.4	2275.8	2073.7	1972.7	1632.6
105°	2986.5	2964.2	2875.2	2786.1	2875.2	2964.2	2986.5	2646.7	2193.6	1967.1	1637.8
107.5°	3277.2	3282.6	3304.1	3325.6	3304.1	3282.6	3277.2	2803.2	2171.3	1855.2	1564.9
110°	3351.7	3374.9	3467.7	3560.5	3467.7	3374.9	3351.7	2821.9	2115.3	1762.0	1500.3



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3304.2	3339.9	3482.3	3624.7	3482.3	3339.9	3304.2	2761.9	2038.8	1677.3	1443.9
115°	3143.0	3192.4	3389.9	3587.5	3389.9	3192.4	3143.0	2620.6	1924.0	1575.7	1379.2
117.5°	2920.3	2975.1	3194.2	3413.3	3194.2	2975.1	2920.3	2448.8	1820.2	1505.9	1338.7
120°	2770.3	2823.5	3036.4	3249.3	3036.4	2823.5	2770.3	2339.5	1765.1	1477.9	1325.1
122.5°	2620.3	2672.8	2882.7	3092.7	2882.7	2672.8	2620.3	2232.3	1715.1	1456.5	1317.9
125°	2421.8	2470.1	2663.5	2856.9	2663.5	2470.1	2421.8	2092.2	1652.9	1433.1	1312.0
127.5°	2262.4	2303.2	2466.4	2629.6	2466.4	2303.2	2262.4	1979.5	1602.2	1413.5	1308.5
130°	2161.8	2199.5	2350.3	2501.0	2350.3	2199.5	2161.8	1909.9	1574.1	1406.2	1310.7
132.5°	2076.1	2109.8	2244.8	2379.8	2244.8	2109.8	2076.1	1850.6	1549.9	1399.6	1312.0
135°	1954.9	1984.0	2100.5	2216.8	2100.5	1984.0	1954.9	1766.1	1514.3	1388.4	1310.7
137.5°	1865.5	1889.3	1984.6	2079.8	1984.6	1889.3	1865.5	1705.8	1493.0	1386.5	1318.8
140°	1793.8	1816.0	1905.0	1994.1	1905.0	1816.0	1793.8	1655.8	1472.0	1380.1	1320.2
142.5°	1743.4	1762.5	1839.2	1915.8	1839.2	1762.5	1743.4	1622.3	1460.8	1380.1	1325.0
145°	1668.0	1682.4	1740.4	1798.4	1740.4	1682.4	1668.0	1568.9	1436.7	1370.7	1325.0
147.5°	1604.6	1616.6	1664.6	1712.7	1664.6	1616.6	1604.6	1526.6	1422.7	1370.7	1334.0
150°	1568.2	1578.0	1616.9	1655.8	1616.9	1578.0	1568.2	1502.4	1414.6	1370.7	1338.8
152.5°	1539.3	1546.7	1576.1	1605.6	1576.1	1546.7	1539.3	1483.1	1408.1	1370.7	1341.9
155°	1504.9	1509.7	1529.2	1548.7	1529.2	1509.7	1504.9	1460.1	1400.5	1370.7	1348.8
157.5°	1475.1	1478.5	1492.2	1505.9	1492.2	1478.5	1475.1	1440.3	1393.9	1370.7	1355.6
160°	1460.1	1462.1	1470.0	1477.9	1470.0	1462.1	1460.1	1430.4	1390.6	1370.7	1358.6
162.5°	1446.2	1448.1	1455.5	1462.9	1455.5	1448.1	1446.2	1421.0	1387.4	1370.7	1362.0
165°	1424.8	1426.8	1434.5	1442.4	1434.5	1426.8	1424.8	1406.8	1382.7	1370.7	1366.7
167.5°	1415.4	1416.2	1419.6	1422.9	1419.6	1416.2	1415.4	1403.7	1387.9	1380.1	1376.8
170°	1415.4	1415.4	1415.4	1415.4	1415.4	1415.4	1415.4	1403.7	1387.9	1380.1	1379.9
172.5°	1407.9	1407.2	1404.4	1401.5	1404.4	1407.2	1407.9	1398.7	1386.2	1380.1	1380.1
175°	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7	1391.8	1383.9	1380.1	1382.0
177.5°	1395.9	1395.1	1391.7	1388.4	1391.7	1395.1	1395.9	1391.2	1384.9	1381.9	1383.3
180°	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4	1388.4



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2672.1	2672.1	2672.1	2672.1	2672.1
2.5°	2639.2	2651.8	2659.4	2669.6	2694.8
5°	2538.1	2586.1	2601.3	2639.2	2684.7
7.5°	2315.6	2462.2	2502.6	2593.7	2664.5
10°	2100.8	2247.4	2318.2	2533.0	2639.2
12.5°	1992.0	2078.0	2126.1	2426.9	2603.8
15°	1923.8	1984.4	2019.9	2285.3	2563.4
17.5°	1870.7	1913.7	1938.9	2146.3	2507.7
20°	1837.8	1858.0	1880.8	2045.1	2444.6
22.5°	1815.1	1802.5	1820.1	1974.4	2358.6
25°	1799.9	1751.9	1772.1	1918.7	2257.4
27.5°	1812.5	1706.3	1713.9	1868.2	2151.3
30°	1815.1	1650.8	1653.3	1815.1	2032.4
32.5°	1797.4	1592.6	1595.2	1749.4	1898.5
35°	1754.5	1524.4	1521.8	1673.5	1716.5
37.5°	1696.3	1451.1	1451.1	1590.1	1516.8
40°	1625.5	1377.8	1385.3	1481.4	1339.8
42.5°	1539.5	1299.4	1309.4	1337.3	1208.3
45°	1446.0	1223.5	1231.2	1130.0	1107.3
47.5°	1342.3	1145.2	1147.7	937.8	1074.4
50°	1218.5	1064.2	1054.2	803.9	1071.9
52.5°	1109.7	975.8	945.5	728.1	973.3
55°	1003.6	882.3	816.5	669.9	902.5
57.5°	910.0	760.9	697.7	601.7	887.3
60°	824.1	642.1	594.1	528.4	814.0
62.5°	753.4	553.6	543.5	477.8	738.1
65°	677.5	492.9	490.4	434.9	627.0
67.5°	604.2	452.5	450.0	394.3	477.8
70°	525.8	409.6	404.5	351.4	353.9
72.5°	444.9	361.5	356.5	316.0	293.2
75°	364.0	305.9	303.4	275.6	237.6
77.5°	285.7	242.7	247.7	222.5	174.4
80°	204.8	177.0	182.0	159.3	131.5
82.5°	136.6	116.3	121.3	101.1	88.4
85°	75.8	65.7	68.2	53.1	40.4
87.5°	35.4	30.4	30.4	20.2	12.6
90°	41.0	26.1	24.2	16.8	9.4
92.5°	252.9	179.9	164.0	100.6	37.3
95°	622.2	350.4	321.4	205.4	89.4
97.5°	838.0	384.9	359.3	257.0	154.7
100°	916.6	413.7	390.5	297.8	205.0
102.5°	952.7	442.6	421.0	334.5	247.9
105°	979.4	485.5	467.1	393.8	320.5
107.5°	984.2	548.8	531.8	463.4	395.1
110°	976.9	584.3	568.8	507.2	445.4



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CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	977.2	627.1	612.3	553.6	494.8
115°	986.1	691.4	677.9	623.6	569.3
117.5°	1004.6	753.9	741.5	692.2	642.9
120°	1019.4	790.2	778.7	732.3	685.8
122.5°	1040.8	833.1	821.4	774.6	727.8
125°	1069.7	888.0	877.4	834.6	792.0
127.5°	1098.6	941.1	930.4	887.2	844.2
130°	1119.8	976.6	965.0	918.6	872.2
132.5°	1136.8	1005.5	993.9	947.5	901.1
135°	1155.5	1039.0	1028.5	986.1	943.9
137.5°	1183.4	1081.9	1071.4	1029.6	987.7
140°	1200.5	1110.7	1101.1	1062.6	1024.1
142.5°	1214.8	1132.2	1123.3	1087.6	1052.0
145°	1233.4	1164.8	1157.1	1126.0	1094.9
147.5°	1260.7	1205.8	1198.2	1168.0	1137.7
150°	1275.0	1227.2	1220.3	1193.0	1165.7
152.5°	1284.3	1241.2	1236.0	1215.3	1194.6
155°	1304.9	1271.9	1268.1	1252.8	1237.4
157.5°	1325.4	1302.7	1299.0	1284.0	1269.1
160°	1334.6	1316.6	1313.7	1302.2	1290.6
162.5°	1344.6	1331.6	1329.4	1320.7	1312.0
165°	1358.8	1353.0	1351.0	1343.2	1335.3
167.5°	1370.1	1365.1	1364.2	1360.4	1356.8
170°	1379.4	1379.1	1378.2	1374.4	1370.7
172.5°	1380.1	1380.1	1379.9	1379.0	1378.2
175°	1385.6	1388.4	1388.4	1388.4	1388.4
177.5°	1386.2	1388.4	1388.4	1388.4	1388.4
180°	1388.4	1388.4	1388.4	1388.4	1388.4



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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	13.92	14.72	14.93	15.74	17.11	16.74	17.55	17.75	18.57	19.93
	3H	14.39	15.11	15.41	16.14	17.52	18.08	18.80	19.10	19.83	21.21
	4H	14.58	15.26	15.61	16.30	17.68	18.52	19.21	19.56	20.24	21.63
	6H	14.70	15.33	15.74	16.36	17.76	18.80	19.43	19.85	20.47	21.87
	8H	14.70	15.29	15.74	16.35	17.74	18.88	19.47	19.92	20.53	21.92
	12H	14.66	15.23	15.72	16.28	17.70	18.91	19.48	19.97	20.53	21.95
4H	2H	14.94	15.63	15.98	16.66	18.05	17.14	17.83	18.19	18.86	20.25
	3H	15.96	16.53	17.01	17.59	19.00	18.64	19.21	19.69	20.27	21.68
	4H	16.24	16.76	17.29	17.81	19.24	19.17	19.69	20.22	20.74	22.17
	6H	16.36	16.81	17.42	17.88	19.30	19.53	19.98	20.59	21.05	22.47
	8H	16.36	16.78	17.43	17.85	19.29	19.63	20.05	20.70	21.12	22.55
	12H	16.33	16.71	17.41	17.79	19.23	19.69	20.07	20.77	21.15	22.59
8H	4H	16.69	17.10	17.75	18.17	19.61	19.29	19.71	20.35	20.77	22.21
	6H	16.95	17.29	18.03	18.40	19.83	19.72	20.07	20.81	21.18	22.61
	8H	16.99	17.29	18.08	18.38	19.83	19.87	20.18	20.97	21.27	22.72
	12H	16.97	17.24	18.07	18.32	19.82	19.97	20.23	21.07	21.32	22.81
12H	4H	16.69	17.07	17.77	18.15	19.59	19.25	19.63	20.33	20.71	22.15
	6H	17.01	17.31	18.10	18.40	19.85	19.72	20.02	20.81	21.11	22.57
	8H	17.07	17.34	18.17	18.42	19.92	19.88	20.14	20.98	21.23	22.72