

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: P936191

Luminaire Tested: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

**Test Information**

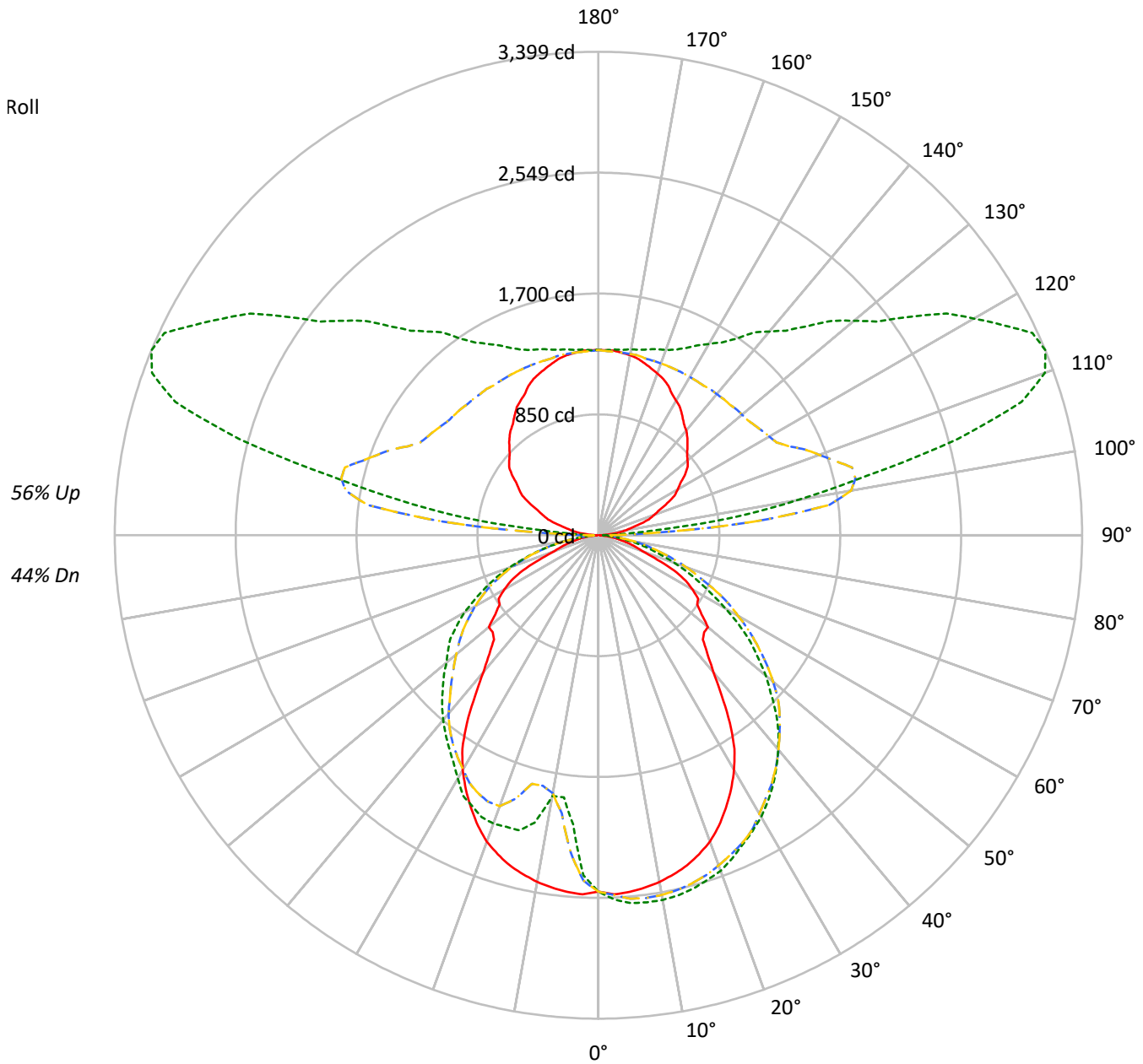
Test Method: LM-79-2019  
Report Number: P936191  
REPORT IS A COMBINATION OF REPORTS P933783 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14942.2 lumens  
Efficiency: N/A  
Efficacy: 119.7 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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CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-5000K

### 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°	15501	15501	15501	15501
5°	15611	15647	15611	12304
10°	15501	15414	15501	11019
15°	15326	15079	15326	12591
20°	15000	14684	15000	12618
25°	14338	14107	14338	12351
30°	13484	13628	13484	11764
35°	12016	13022	12016	11118
40°	10006	12308	10006	10631
45°	8935	11474	8935	10070
50°	9486	10478	9486	9508
55°	8915	9405	8915	9182
60°	9180	7988	9180	8411
65°	8310	6603	8310	7381
70°	5740	5262	5740	6187
75°	5016	3890	5016	4658
80°	4013	2571	4013	2800
85°	2260	1362	2260	1158

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13702 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.2	1.5
10°-20°	642.2	4.3
20°-30°	992.7	6.6
30°-40°	1185.1	7.9
40°-50°	1192.1	8.0
50°-60°	1037.2	6.9
60°-70°	735.4	4.9
70°-80°	389.1	2.6
80°-90°	101.9	0.7
90°-100°	634.7	4.2
100°-110°	1668.5	11.2
110°-120°	1730.1	11.6
120°-130°	1387.7	9.3
130°-140°	1088.9	7.3
140°-150°	835.8	5.6
150°-160°	601.9	4.0
160°-170°	368.3	2.5
170°-180°	124.4	0.8
0°-30°	1861.1	12.5
0°-40°	3046.2	20.4
0°-60°	5275.5	35.3
0°-90°	6501.9	43.5
90°-120°	4033.3	27.0
90°-150°	7345.7	49.2
90°-180°	8440.0	56.5
0°-180°	14942.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2506	2506	2506	2506	2506	
5°	2518	2596	2518	2041	2518	239
15°	2404	2572	2404	2148	2404	676
25°	2117	2399	2117	2100	2117	972
35°	1610	2141	1610	1828	1610	996
45°	1038	1764	1038	1548	1038	832
55°	846	1301	846	1271	846	778
65°	588	785	588	877	588	562
75°	223	372	223	446	223	234
85°	38	95	38	81	38	51
90°	9	33	9	33	9	9
95°	84	384	84	384	84	93
105°	301	2613	301	2613	301	319
115°	534	3364	534	3364	534	527
125°	743	2679	743	2679	743	659
135°	885	2079	885	2079	885	685
145°	1027	1686	1027	1686	1027	643
155°	1160	1452	1160	1452	1160	533
165°	1252	1353	1252	1353	1252	353
175°	1302	1311	1302	1311	1302	124
180°	1302	1302	1302	1302	1302	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2527.0	2527.0	2541.3	2546.0	2546.0	2538.9	2531.8	2538.9	2560.3	2567.4	2565.0
5°	2517.6	2536.6	2562.6	2567.4	2572.1	2569.7	2565.0	2569.7	2593.4	2598.2	2600.5
7.5°	2498.6	2534.1	2567.4	2574.5	2581.6	2574.5	2572.1	2576.8	2600.5	2605.3	2605.3
10°	2474.9	2524.7	2562.6	2567.4	2574.5	2567.4	2567.4	2576.8	2600.5	2605.3	2607.6
12.5°	2441.8	2510.5	2546.0	2550.8	2560.3	2557.9	2555.5	2565.0	2588.7	2593.4	2593.4
15°	2403.8	2484.3	2517.6	2522.4	2538.9	2534.1	2534.1	2543.7	2569.7	2576.8	2574.5
17.5°	2351.6	2451.2	2489.1	2496.2	2508.1	2505.7	2508.1	2517.6	2541.3	2546.0	2548.4
20°	2292.4	2406.2	2451.2	2458.3	2470.1	2470.1	2470.1	2482.0	2505.7	2515.2	2515.2
22.5°	2211.8	2358.7	2406.2	2410.9	2425.1	2425.1	2429.9	2446.4	2467.8	2470.1	2470.1
25°	2116.9	2306.6	2346.9	2361.2	2375.3	2382.4	2389.5	2399.1	2406.2	2403.8	2406.2
27.5°	2017.3	2240.2	2292.4	2301.8	2320.8	2327.9	2337.4	2339.8	2342.2	2349.3	2344.5
30°	1905.9	2147.7	2226.0	2235.4	2266.3	2271.0	2261.6	2266.3	2278.1	2282.9	2287.6
32.5°	1780.3	2010.2	2157.3	2178.6	2207.0	2192.8	2190.4	2197.5	2216.5	2216.5	2221.2
35°	1609.7	1903.6	2093.3	2112.2	2133.5	2116.9	2126.4	2128.8	2140.6	2147.7	2145.4
37.5°	1422.4	1811.1	2026.9	2041.1	2057.7	2036.3	2050.6	2057.7	2067.1	2062.5	2062.5
40°	1256.4	1666.5	1948.6	1958.1	1972.3	1955.7	1970.0	1974.8	1979.4	1974.8	1972.3
42.5°	1133.1	1507.7	1865.7	1877.5	1868.0	1879.9	1884.6	1894.2	1887.0	1877.5	1877.5
45°	1038.3	1465.1	1775.5	1789.8	1775.5	1794.6	1801.7	1801.7	1780.3	1775.5	1773.2
47.5°	1007.5	1379.7	1685.5	1685.5	1678.4	1702.1	1714.0	1697.4	1676.0	1668.9	1668.9
50°	1005.2	1284.9	1562.2	1552.8	1585.9	1614.4	1602.6	1585.9	1569.3	1543.2	1543.2
52.5°	912.7	1168.7	1403.4	1438.9	1491.1	1507.7	1488.7	1472.2	1443.7	1431.8	1422.4
55°	846.3	1047.8	1258.8	1329.9	1384.5	1405.8	1370.2	1353.6	1311.0	1303.9	1299.1
57.5°	832.1	872.4	1126.0	1216.2	1282.5	1280.1	1258.8	1227.9	1192.4	1185.3	1182.9
60°	763.4	630.5	983.8	1090.4	1159.2	1152.1	1133.1	1104.7	1071.5	1066.8	1062.1
62.5°	692.2	457.6	822.6	943.5	1040.7	1038.3	1021.7	979.0	955.4	943.5	934.0
65°	588.0	384.1	585.5	784.7	924.6	929.2	893.7	862.9	836.9	822.6	820.2
67.5°	448.0	312.9	395.9	654.3	813.1	808.4	763.4	749.1	715.9	708.8	694.6
70°	331.9	208.7	275.0	531.0	704.0	692.2	656.7	640.1	609.2	592.6	583.2
72.5°	275.0	168.3	201.5	412.5	592.6	578.4	547.6	528.6	502.6	488.4	478.9
75°	222.9	177.8	154.1	305.8	481.2	471.8	443.3	424.3	403.0	384.1	386.4
77.5°	163.5	166.0	123.3	225.2	381.6	367.4	350.8	327.2	317.7	298.7	298.7
80°	123.3	130.4	92.5	154.1	275.0	275.0	260.8	244.1	227.6	218.1	218.1
82.5°	82.9	82.9	68.7	97.2	187.3	180.2	170.6	166.0	156.4	151.7	151.7
85°	37.9	47.4	42.7	59.3	101.9	106.7	106.7	101.9	99.6	94.8	97.2
87.5°	11.9	21.3	26.1	33.2	52.1	54.5	56.9	56.9	56.9	59.3	59.3
90°	8.8	15.8	22.7	24.5	38.5	57.1	66.4	59.0	44.3	33.3	33.3
92.5°	34.9	94.3	153.8	168.7	237.1	328.4	374.0	327.7	235.4	166.1	159.4
95°	83.9	192.6	301.4	328.6	583.5	923.3	1093.2	975.5	740.1	563.6	543.6
97.5°	145.1	241.0	336.9	360.9	785.9	1352.5	1635.8	1561.5	1412.7	1301.2	1263.0
100°	192.2	279.3	366.2	388.0	859.6	1488.3	1802.7	1808.1	1819.1	1827.2	1781.9
102.5°	232.5	313.6	394.8	415.1	893.4	1531.0	1849.9	1944.6	2134.1	2276.3	2237.4
105°	300.6	369.3	438.0	455.2	918.4	1535.9	1844.6	2057.0	2481.9	2800.6	2779.7
107.5°	370.5	434.6	498.7	514.6	923.0	1467.5	1739.8	2036.1	2628.7	3073.2	3078.3
110°	417.7	475.6	533.4	547.9	916.1	1406.9	1652.3	1983.6	2646.2	3143.1	3164.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	464.0	519.1	574.2	588.0	916.3	1354.0	1572.9	1911.9	2590.0	3098.5	3132.0
115°	533.9	584.8	635.7	648.4	924.8	1293.3	1477.6	1804.2	2457.4	2947.3	2993.7
117.5°	602.9	649.1	695.4	706.9	942.0	1255.4	1412.1	1706.9	2296.3	2738.5	2789.9
120°	643.2	686.7	730.2	741.0	955.9	1242.6	1385.9	1655.2	2193.9	2597.8	2647.7
122.5°	682.5	726.4	770.3	781.2	976.0	1235.9	1365.8	1608.3	2093.4	2457.2	2506.4
125°	742.7	782.7	822.8	832.8	1003.1	1230.4	1343.9	1550.0	1962.0	2271.0	2316.3
127.5°	791.7	832.0	872.4	882.5	1030.2	1227.1	1325.5	1502.4	1856.2	2121.6	2159.9
130°	817.9	861.4	905.0	915.8	1050.1	1229.1	1318.6	1476.1	1791.0	2027.2	2062.6
132.5°	845.0	888.5	932.0	942.9	1066.1	1230.4	1312.5	1453.4	1735.4	1946.8	1978.5
135°	885.2	924.8	964.4	974.3	1083.5	1229.1	1302.0	1420.1	1656.2	1833.3	1860.5
137.5°	926.2	965.5	1004.7	1014.5	1109.8	1236.7	1300.2	1400.1	1599.7	1749.4	1771.7
140°	960.3	996.5	1032.5	1041.6	1125.8	1238.0	1294.2	1380.4	1552.8	1682.1	1703.0
142.5°	986.5	1019.9	1053.4	1061.7	1139.2	1242.5	1294.2	1369.9	1521.3	1634.9	1652.8
145°	1026.7	1055.9	1085.0	1092.3	1156.7	1242.5	1285.4	1347.3	1471.2	1564.2	1577.7
147.5°	1066.9	1095.3	1123.6	1130.7	1182.3	1251.0	1285.4	1334.1	1431.5	1504.7	1516.0
150°	1093.2	1118.7	1144.3	1150.8	1195.6	1255.5	1285.4	1326.6	1408.8	1470.6	1479.7
152.5°	1120.2	1139.7	1159.1	1164.0	1204.4	1258.4	1285.4	1320.5	1390.8	1443.5	1450.4
155°	1160.4	1174.8	1189.2	1192.7	1223.6	1264.8	1285.4	1313.3	1369.2	1411.2	1415.8
157.5°	1190.1	1204.1	1218.1	1221.6	1242.9	1271.2	1285.4	1307.1	1350.7	1383.3	1386.4
160°	1210.3	1221.1	1231.9	1234.7	1251.6	1274.1	1285.4	1304.1	1341.3	1369.2	1371.1
162.5°	1230.4	1238.5	1246.6	1248.7	1260.9	1277.2	1285.4	1301.1	1332.5	1356.2	1357.9
165°	1252.2	1259.6	1266.9	1268.7	1274.3	1281.6	1285.4	1296.7	1319.2	1336.1	1338.0
167.5°	1272.3	1275.8	1279.3	1280.1	1284.8	1291.1	1294.2	1301.5	1316.3	1327.3	1328.1
170°	1285.4	1288.8	1292.4	1293.2	1293.5	1294.0	1294.2	1301.5	1316.3	1327.3	1327.3
172.5°	1292.4	1293.1	1294.0	1294.2	1294.2	1294.2	1294.2	1299.9	1311.6	1320.3	1319.6
175°	1302.0	1302.0	1302.0	1302.0	1299.4	1295.9	1294.2	1297.8	1305.2	1310.7	1310.7
177.5°	1302.0	1302.0	1302.0	1302.0	1299.9	1297.2	1295.8	1298.7	1304.6	1309.0	1308.3
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2569.7	2562.6	2569.7	2565.0	2567.4	2560.3	2538.9	2531.8	2538.9	2546.0	2546.0
5°	2600.5	2595.8	2600.5	2600.5	2598.2	2593.4	2569.7	2565.0	2569.7	2572.1	2567.4
7.5°	2610.1	2603.0	2610.1	2605.3	2605.3	2600.5	2576.8	2572.1	2574.5	2581.6	2574.5
10°	2610.1	2603.0	2610.1	2607.6	2605.3	2600.5	2576.8	2567.4	2567.4	2574.5	2567.4
12.5°	2598.2	2593.4	2598.2	2593.4	2593.4	2588.7	2565.0	2555.5	2557.9	2560.3	2550.8
15°	2579.2	2572.1	2579.2	2574.5	2576.8	2569.7	2543.7	2534.1	2534.1	2538.9	2522.4
17.5°	2550.8	2541.3	2550.8	2548.4	2546.0	2541.3	2517.6	2508.1	2505.7	2508.1	2496.2
20°	2517.6	2510.5	2517.6	2515.2	2515.2	2505.7	2482.0	2470.1	2470.1	2470.1	2458.3
22.5°	2465.4	2458.3	2465.4	2470.1	2470.1	2467.8	2446.4	2429.9	2425.1	2425.1	2410.9
25°	2406.2	2399.1	2406.2	2406.2	2403.8	2406.2	2399.1	2389.5	2382.4	2375.3	2361.2
27.5°	2349.3	2344.5	2349.3	2344.5	2349.3	2342.2	2339.8	2337.4	2327.9	2320.8	2301.8
30°	2292.4	2287.6	2292.4	2287.6	2282.9	2278.1	2266.3	2261.6	2271.0	2266.3	2235.4
32.5°	2221.2	2216.5	2221.2	2221.2	2216.5	2216.5	2197.5	2190.4	2192.8	2207.0	2178.6
35°	2147.7	2140.6	2147.7	2145.4	2147.7	2140.6	2128.8	2126.4	2116.9	2133.5	2112.2
37.5°	2062.5	2055.3	2062.5	2062.5	2062.5	2067.1	2057.7	2050.6	2036.3	2057.7	2041.1
40°	1974.8	1965.2	1974.8	1972.3	1974.8	1979.4	1974.8	1970.0	1955.7	1972.3	1958.1
42.5°	1875.2	1872.8	1875.2	1877.5	1877.5	1887.0	1894.2	1884.6	1879.9	1868.0	1877.5
45°	1768.4	1763.8	1768.4	1773.2	1775.5	1780.3	1801.7	1801.7	1794.6	1775.5	1789.8
47.5°	1654.7	1642.8	1654.7	1668.9	1668.9	1676.0	1697.4	1714.0	1702.1	1678.4	1685.5
50°	1533.8	1536.1	1533.8	1543.2	1543.2	1569.3	1585.9	1602.6	1614.4	1585.9	1552.8
52.5°	1415.3	1412.9	1415.3	1422.4	1431.8	1443.7	1472.2	1488.7	1507.7	1491.1	1438.9
55°	1296.7	1301.4	1296.7	1299.1	1303.9	1311.0	1353.6	1370.2	1405.8	1384.5	1329.9
57.5°	1178.1	1171.0	1178.1	1182.9	1185.3	1192.4	1227.9	1258.8	1280.1	1282.5	1216.2
60°	1040.7	1031.2	1040.7	1062.1	1066.8	1071.5	1104.7	1133.1	1152.1	1159.2	1090.4
62.5°	919.8	903.2	919.8	934.0	943.5	955.4	979.0	1021.7	1038.3	1040.7	943.5
65°	791.8	784.7	791.8	820.2	822.6	836.9	862.9	893.7	929.2	924.6	784.7
67.5°	675.7	675.7	675.7	694.6	708.8	715.9	749.1	763.4	808.4	813.1	654.3
70°	568.9	566.6	568.9	583.2	592.6	609.2	640.1	656.7	692.2	704.0	531.0
72.5°	467.0	464.7	467.0	478.9	488.4	502.6	528.6	547.6	578.4	592.6	412.5
75°	377.0	372.2	377.0	386.4	384.1	403.0	424.3	443.3	471.8	481.2	305.8
77.5°	289.3	289.3	289.3	298.7	298.7	317.7	327.2	350.8	367.4	381.6	225.2
80°	215.8	213.3	215.8	218.1	218.1	227.6	244.1	260.8	275.0	275.0	154.1
82.5°	151.7	147.0	151.7	151.7	151.7	156.4	166.0	170.6	180.2	187.3	97.2
85°	94.8	94.8	94.8	97.2	94.8	99.6	101.9	106.7	106.7	101.9	59.3
87.5°	61.6	59.3	61.6	59.3	59.3	56.9	56.9	56.9	54.5	52.1	33.2
90°	33.3	33.3	33.3	33.3	33.3	44.3	59.0	66.4	57.1	38.5	24.5
92.5°	133.0	106.6	133.0	159.4	166.1	235.4	327.7	374.0	328.4	237.1	168.7
95°	463.5	383.6	463.5	543.6	563.6	740.1	975.5	1093.2	923.3	583.5	328.6
97.5°	1110.8	958.6	1110.8	1263.0	1301.2	1412.7	1561.5	1635.8	1352.5	785.9	360.9
100°	1600.5	1419.1	1600.5	1781.9	1827.2	1819.1	1808.1	1802.7	1488.3	859.6	388.0
102.5°	2082.1	1926.7	2082.1	2237.4	2276.3	2134.1	1944.6	1849.9	1531.0	893.4	415.1
105°	2696.2	2612.7	2696.2	2779.7	2800.6	2481.9	2057.0	1844.6	1535.9	918.4	455.2
107.5°	3098.5	3118.6	3098.5	3078.3	3073.2	2628.7	2036.1	1739.8	1467.5	923.0	514.6
110°	3251.8	3338.9	3251.8	3164.9	3143.1	2646.2	1983.6	1652.3	1406.9	916.1	547.9





TEST NUMBER: P936191

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3265.5	3399.1	3265.5	3132.0	3098.5	2590.0	1911.9	1572.9	1354.0	916.3	588.0
115°	3178.9	3364.2	3178.9	2993.7	2947.3	2457.4	1804.2	1477.6	1293.3	924.8	648.4
117.5°	2995.3	3200.8	2995.3	2789.9	2738.5	2296.3	1706.9	1412.1	1255.4	942.0	706.9
120°	2847.4	3047.0	2847.4	2647.7	2597.8	2193.9	1655.2	1385.9	1242.6	955.9	741.0
122.5°	2703.3	2900.2	2703.3	2506.4	2457.2	2093.4	1608.3	1365.8	1235.9	976.0	781.2
125°	2497.7	2679.1	2497.7	2316.3	2271.0	1962.0	1550.0	1343.9	1230.4	1003.1	832.8
127.5°	2312.9	2465.9	2312.9	2159.9	2121.6	1856.2	1502.4	1325.5	1227.1	1030.2	882.5
130°	2204.0	2345.3	2204.0	2062.6	2027.2	1791.0	1476.1	1318.6	1229.1	1050.1	915.8
132.5°	2105.0	2231.7	2105.0	1978.5	1946.8	1735.4	1453.4	1312.5	1230.4	1066.1	942.9
135°	1969.7	2078.8	1969.7	1860.5	1833.3	1656.2	1420.1	1302.0	1229.1	1083.5	974.3
137.5°	1861.1	1950.4	1861.1	1771.7	1749.4	1599.7	1400.1	1300.2	1236.7	1109.8	1014.5
140°	1786.5	1870.0	1786.5	1703.0	1682.1	1552.8	1380.4	1294.2	1238.0	1125.8	1041.6
142.5°	1724.7	1796.5	1724.7	1652.8	1634.9	1521.3	1369.9	1294.2	1242.5	1139.2	1061.7
145°	1632.1	1686.4	1632.1	1577.7	1564.2	1471.2	1347.3	1285.4	1242.5	1156.7	1092.3
147.5°	1561.0	1606.1	1561.0	1516.0	1504.7	1431.5	1334.1	1285.4	1251.0	1182.3	1130.7
150°	1516.3	1552.8	1516.3	1479.7	1470.6	1408.8	1326.6	1285.4	1255.5	1195.6	1150.8
152.5°	1478.0	1505.6	1478.0	1450.4	1443.5	1390.8	1320.5	1285.4	1258.4	1204.4	1164.0
155°	1434.0	1452.3	1434.0	1415.8	1411.2	1369.2	1313.3	1285.4	1264.8	1223.6	1192.7
157.5°	1399.3	1412.1	1399.3	1386.4	1383.3	1350.7	1307.1	1285.4	1271.2	1242.9	1221.6
160°	1378.5	1385.9	1378.5	1371.1	1369.2	1341.3	1304.1	1285.4	1274.1	1251.6	1234.7
162.5°	1364.9	1371.9	1364.9	1357.9	1356.2	1332.5	1301.1	1285.4	1277.2	1260.9	1248.7
165°	1345.2	1352.6	1345.2	1338.0	1336.1	1319.2	1296.7	1285.4	1281.6	1274.3	1268.7
167.5°	1331.2	1334.3	1331.2	1328.1	1327.3	1316.3	1301.5	1294.2	1291.1	1284.8	1280.1
170°	1327.3	1327.3	1327.3	1327.3	1327.3	1316.3	1301.5	1294.2	1294.0	1293.5	1293.2
172.5°	1316.9	1314.2	1316.9	1319.6	1320.3	1311.6	1299.9	1294.2	1294.2	1294.2	1294.2
175°	1310.7	1310.7	1310.7	1310.7	1310.7	1305.2	1297.8	1294.2	1295.9	1299.4	1302.0
177.5°	1305.1	1302.0	1305.1	1308.3	1309.0	1304.6	1298.7	1295.8	1297.2	1299.9	1302.0
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P936191

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2541.3	2527.0	2527.0	2503.4	2493.9	2486.8	2474.9	2439.3	2429.9	2420.4	2434.6
5°	2562.6	2536.6	2517.6	2474.9	2439.3	2425.1	2380.1	2294.7	2237.9	2195.2	2171.5
7.5°	2567.4	2534.1	2498.6	2432.2	2346.9	2308.9	2171.5	2015.0	1972.3	1934.4	1910.7
10°	2562.6	2524.7	2474.9	2375.3	2173.9	2107.5	1970.0	1868.0	1841.9	1834.8	1841.9
12.5°	2546.0	2510.5	2441.8	2275.8	1993.7	1948.6	1868.0	1808.8	1804.0	1815.9	1879.9
15°	2517.6	2484.3	2403.8	2143.1	1894.2	1860.9	1804.0	1782.7	1808.8	1891.7	2083.8
17.5°	2489.1	2451.2	2351.6	2012.7	1818.2	1794.6	1754.2	1796.9	1943.9	2055.3	2119.3
20°	2451.2	2406.2	2292.4	1917.8	1763.8	1742.4	1723.4	1915.4	2026.9	2067.1	2102.7
22.5°	2406.2	2358.7	2211.8	1851.5	1706.8	1690.3	1702.1	1981.9	2026.9	2055.3	2086.1
25°	2346.9	2306.6	2116.9	1799.3	1661.8	1642.8	1687.8	1974.8	2000.8	2007.9	2069.6
27.5°	2292.4	2240.2	2017.3	1751.9	1607.2	1600.1	1699.7	1943.9	1962.9	1970.0	2036.3
30°	2226.0	2147.7	1905.9	1702.1	1550.3	1548.0	1702.1	1905.9	1901.3	1920.2	1986.5
32.5°	2157.3	2010.2	1780.3	1640.5	1495.9	1493.5	1685.5	1849.0	1844.4	1870.4	1920.2
35°	2093.3	1903.6	1609.7	1569.3	1427.1	1429.5	1645.2	1782.7	1785.1	1808.8	1839.6
37.5°	2026.9	1811.1	1422.4	1491.1	1360.7	1360.7	1590.7	1721.1	1716.3	1723.4	1766.1
40°	1948.6	1666.5	1256.4	1389.1	1299.1	1292.0	1524.3	1654.7	1638.0	1635.7	1695.0
42.5°	1865.7	1507.7	1133.1	1254.1	1227.9	1218.5	1443.7	1574.1	1543.2	1550.3	1626.2
45°	1775.5	1465.1	1038.3	1059.6	1154.5	1147.3	1356.0	1481.6	1460.3	1479.3	1557.4
47.5°	1685.5	1379.7	1007.5	879.5	1076.2	1073.9	1258.8	1391.6	1379.7	1398.7	1481.6
50°	1562.2	1284.9	1005.2	753.8	988.5	998.0	1142.7	1303.9	1303.9	1320.4	1408.1
52.5°	1403.4	1168.7	912.7	682.8	886.6	915.0	1040.7	1227.9	1232.7	1249.3	1327.5
55°	1258.8	1047.8	846.3	628.2	765.7	827.3	941.1	1149.8	1159.2	1175.8	1246.9
57.5°	1126.0	872.4	832.1	564.2	654.3	713.6	853.4	1073.9	1078.6	1092.9	1161.6
60°	983.8	630.5	763.4	495.5	557.1	602.1	772.8	983.8	1000.4	1009.8	1069.1
62.5°	822.6	457.6	692.2	448.0	509.7	519.1	706.5	898.4	919.8	926.9	962.5
65°	585.5	384.1	588.0	407.8	459.9	462.2	635.3	810.7	829.7	841.5	867.7
67.5°	395.9	312.9	448.0	369.8	422.0	424.3	566.6	708.8	734.9	744.4	760.9
70°	275.0	208.7	331.9	329.5	379.3	384.1	493.1	616.3	640.1	647.2	656.7
72.5°	201.5	168.3	275.0	296.4	334.3	339.0	417.2	512.0	535.7	542.8	547.6
75°	154.1	177.8	222.9	258.4	284.5	286.8	341.4	417.2	433.8	438.6	440.9
77.5°	123.3	166.0	163.5	208.7	232.3	227.6	267.9	322.4	336.6	336.6	336.6
80°	92.5	130.4	123.3	149.3	170.6	166.0	192.0	230.0	234.7	239.4	237.0
82.5°	68.7	82.9	82.9	94.8	113.8	109.1	128.1	149.3	149.3	149.3	154.1
85°	42.7	47.4	37.9	49.8	64.0	61.6	71.1	80.6	82.9	82.9	78.3
87.5°	26.1	21.3	11.9	19.0	28.5	28.5	33.2	35.6	33.2	33.2	33.2
90°	22.7	15.8	8.8	15.8	22.7	24.5	38.5	57.1	66.4	59.0	44.3
92.5°	153.8	94.3	34.9	94.3	153.8	168.7	237.1	328.4	374.0	327.7	235.4
95°	301.4	192.6	83.9	192.6	301.4	328.6	583.5	923.3	1093.2	975.5	740.1
97.5°	336.9	241.0	145.1	241.0	336.9	360.9	785.9	1352.5	1635.8	1561.5	1412.7
100°	366.2	279.3	192.2	279.3	366.2	388.0	859.6	1488.3	1802.7	1808.1	1819.1
102.5°	394.8	313.6	232.5	313.6	394.8	415.1	893.4	1531.0	1849.9	1944.6	2134.1
105°	438.0	369.3	300.6	369.3	438.0	455.2	918.4	1535.9	1844.6	2057.0	2481.9
107.5°	498.7	434.6	370.5	434.6	498.7	514.6	923.0	1467.5	1739.8	2036.1	2628.7
110°	533.4	475.6	417.7	475.6	533.4	547.9	916.1	1406.9	1652.3	1983.6	2646.2



TEST NUMBER: P936191

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	574.2	519.1	464.0	519.1	574.2	588.0	916.3	1354.0	1572.9	1911.9	2590.0
115°	635.7	584.8	533.9	584.8	635.7	648.4	924.8	1293.3	1477.6	1804.2	2457.4
117.5°	695.4	649.1	602.9	649.1	695.4	706.9	942.0	1255.4	1412.1	1706.9	2296.3
120°	730.2	686.7	643.2	686.7	730.2	741.0	955.9	1242.6	1385.9	1655.2	2193.9
122.5°	770.3	726.4	682.5	726.4	770.3	781.2	976.0	1235.9	1365.8	1608.3	2093.4
125°	822.8	782.7	742.7	782.7	822.8	832.8	1003.1	1230.4	1343.9	1550.0	1962.0
127.5°	872.4	832.0	791.7	832.0	872.4	882.5	1030.2	1227.1	1325.5	1502.4	1856.2
130°	905.0	861.4	817.9	861.4	905.0	915.8	1050.1	1229.1	1318.6	1476.1	1791.0
132.5°	932.0	888.5	845.0	888.5	932.0	942.9	1066.1	1230.4	1312.5	1453.4	1735.4
135°	964.4	924.8	885.2	924.8	964.4	974.3	1083.5	1229.1	1302.0	1420.1	1656.2
137.5°	1004.7	965.5	926.2	965.5	1004.7	1014.5	1109.8	1236.7	1300.2	1400.1	1599.7
140°	1032.5	996.5	960.3	996.5	1032.5	1041.6	1125.8	1238.0	1294.2	1380.4	1552.8
142.5°	1053.4	1019.9	986.5	1019.9	1053.4	1061.7	1139.2	1242.5	1294.2	1369.9	1521.3
145°	1085.0	1055.9	1026.7	1055.9	1085.0	1092.3	1156.7	1242.5	1285.4	1347.3	1471.2
147.5°	1123.6	1095.3	1066.9	1095.3	1123.6	1130.7	1182.3	1251.0	1285.4	1334.1	1431.5
150°	1144.3	1118.7	1093.2	1118.7	1144.3	1150.8	1195.6	1255.5	1285.4	1326.6	1408.8
152.5°	1159.1	1139.7	1120.2	1139.7	1159.1	1164.0	1204.4	1258.4	1285.4	1320.5	1390.8
155°	1189.2	1174.8	1160.4	1174.8	1189.2	1192.7	1223.6	1264.8	1285.4	1313.3	1369.2
157.5°	1218.1	1204.1	1190.1	1204.1	1218.1	1221.6	1242.9	1271.2	1285.4	1307.1	1350.7
160°	1231.9	1221.1	1210.3	1221.1	1231.9	1234.7	1251.6	1274.1	1285.4	1304.1	1341.3
162.5°	1246.6	1238.5	1230.4	1238.5	1246.6	1248.7	1260.9	1277.2	1285.4	1301.1	1332.5
165°	1266.9	1259.6	1252.2	1259.6	1266.9	1268.7	1274.3	1281.6	1285.4	1296.7	1319.2
167.5°	1279.3	1275.8	1272.3	1275.8	1279.3	1280.1	1284.8	1291.1	1294.2	1301.5	1316.3
170°	1292.4	1288.8	1285.4	1288.8	1292.4	1293.2	1293.5	1294.0	1294.2	1301.5	1316.3
172.5°	1294.0	1293.1	1292.4	1293.1	1294.0	1294.2	1294.2	1294.2	1294.2	1299.9	1311.6
175°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1299.4	1295.9	1294.2	1297.8	1305.2
177.5°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1299.9	1297.2	1295.8	1298.7	1304.6
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P936191

CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2418.0	2410.9	2420.4	2394.3	2420.4	2410.9	2418.0	2434.6	2420.4	2429.9	2439.3
5°	2121.7	2109.8	2071.9	2041.1	2071.9	2109.8	2121.7	2171.5	2195.2	2237.9	2294.7
7.5°	1896.5	1887.0	1877.5	1858.6	1877.5	1887.0	1896.5	1910.7	1934.4	1972.3	2015.0
10°	1846.7	1849.0	1863.3	1860.9	1863.3	1849.0	1846.7	1841.9	1834.8	1841.9	1868.0
12.5°	1974.8	1996.1	2074.3	2069.6	2074.3	1996.1	1974.8	1879.9	1815.9	1804.0	1808.8
15°	2121.7	2128.8	2145.4	2147.7	2145.4	2128.8	2121.7	2083.8	1891.7	1808.8	1782.7
17.5°	2135.9	2138.3	2150.2	2150.2	2150.2	2138.3	2135.9	2119.3	2055.3	1943.9	1796.9
20°	2124.1	2128.8	2152.5	2157.3	2152.5	2128.8	2124.1	2102.7	2067.1	2026.9	1915.4
22.5°	2119.3	2128.8	2147.7	2145.4	2147.7	2128.8	2119.3	2086.1	2055.3	2026.9	1981.9
25°	2095.6	2095.6	2098.0	2100.4	2098.0	2095.6	2095.6	2069.6	2007.9	2000.8	1974.8
27.5°	2045.8	2050.6	2064.8	2062.5	2064.8	2050.6	2045.8	2036.3	1970.0	1962.9	1943.9
30°	2000.8	1996.1	1984.2	1974.8	1984.2	1996.1	2000.8	1986.5	1920.2	1901.3	1905.9
32.5°	1925.0	1913.1	1901.3	1894.2	1901.3	1913.1	1925.0	1920.2	1870.4	1844.4	1849.0
35°	1834.8	1837.2	1834.8	1827.7	1834.8	1837.2	1834.8	1839.6	1808.8	1785.1	1782.7
37.5°	1770.9	1775.5	1773.2	1763.8	1773.2	1775.5	1770.9	1766.1	1723.4	1716.3	1721.1
40°	1704.5	1706.8	1704.5	1697.4	1704.5	1706.8	1704.5	1695.0	1635.7	1638.0	1654.7
42.5°	1640.5	1638.0	1631.0	1626.2	1631.0	1638.0	1640.5	1626.2	1550.3	1543.2	1574.1
45°	1567.0	1569.3	1555.1	1548.0	1555.1	1569.3	1567.0	1557.4	1479.3	1460.3	1481.6
47.5°	1493.5	1493.5	1481.6	1474.5	1481.6	1493.5	1493.5	1481.6	1398.7	1379.7	1391.6
50°	1415.3	1412.9	1396.3	1393.9	1396.3	1412.9	1415.3	1408.1	1320.4	1303.9	1303.9
52.5°	1325.2	1325.2	1327.5	1332.3	1327.5	1325.2	1325.2	1327.5	1249.3	1232.7	1227.9
55°	1246.9	1249.3	1265.9	1270.6	1265.9	1249.3	1246.9	1246.9	1175.8	1159.2	1149.8
57.5°	1166.4	1166.4	1178.1	1178.1	1178.1	1166.4	1166.4	1161.6	1092.9	1078.6	1073.9
60°	1073.9	1078.6	1088.1	1085.8	1088.1	1078.6	1073.9	1069.1	1009.8	1000.4	983.8
62.5°	976.7	981.4	983.8	979.0	983.8	981.4	976.7	962.5	926.9	919.8	898.4
65°	874.8	879.5	881.9	877.1	881.9	879.5	874.8	867.7	841.5	829.7	810.7
67.5°	770.5	768.0	765.7	775.2	765.7	768.0	770.5	760.9	744.4	734.9	708.8
70°	663.8	663.8	661.4	666.1	661.4	663.8	663.8	656.7	647.2	640.1	616.3
72.5°	549.9	547.6	557.1	549.9	557.1	547.6	549.9	547.6	542.8	535.7	512.0
75°	438.6	443.3	438.6	445.7	438.6	443.3	438.6	440.9	438.6	433.8	417.2
77.5°	334.3	339.0	334.3	334.3	334.3	339.0	334.3	336.6	336.6	336.6	322.4
80°	237.0	234.7	234.7	232.3	234.7	234.7	237.0	237.0	239.4	234.7	230.0
82.5°	151.7	149.3	149.3	154.1	149.3	149.3	151.7	154.1	149.3	149.3	149.3
85°	82.9	85.4	80.6	80.6	80.6	85.4	82.9	78.3	82.9	82.9	80.6
87.5°	30.8	28.5	28.5	28.5	28.5	28.5	30.8	33.2	33.2	33.2	35.6
90°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	44.3	59.0	66.4	57.1
92.5°	166.1	159.4	133.0	106.6	133.0	159.4	166.1	235.4	327.7	374.0	328.4
95°	563.6	543.6	463.5	383.6	463.5	543.6	563.6	740.1	975.5	1093.2	923.3
97.5°	1301.2	1263.0	1110.8	958.6	1110.8	1263.0	1301.2	1412.7	1561.5	1635.8	1352.5
100°	1827.2	1781.9	1600.5	1419.1	1600.5	1781.9	1827.2	1819.1	1808.1	1802.7	1488.3
102.5°	2276.3	2237.4	2082.1	1926.7	2082.1	2237.4	2276.3	2134.1	1944.6	1849.9	1531.0
105°	2800.6	2779.7	2696.2	2612.7	2696.2	2779.7	2800.6	2481.9	2057.0	1844.6	1535.9
107.5°	3073.2	3078.3	3098.5	3118.6	3098.5	3078.3	3073.2	2628.7	2036.1	1739.8	1467.5
110°	3143.1	3164.9	3251.8	3338.9	3251.8	3164.9	3143.1	2646.2	1983.6	1652.3	1406.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3098.5	3132.0	3265.5	3399.1	3265.5	3132.0	3098.5	2590.0	1911.9	1572.9	1354.0
115°	2947.3	2993.7	3178.9	3364.2	3178.9	2993.7	2947.3	2457.4	1804.2	1477.6	1293.3
117.5°	2738.5	2789.9	2995.3	3200.8	2995.3	2789.9	2738.5	2296.3	1706.9	1412.1	1255.4
120°	2597.8	2647.7	2847.4	3047.0	2847.4	2647.7	2597.8	2193.9	1655.2	1385.9	1242.6
122.5°	2457.2	2506.4	2703.3	2900.2	2703.3	2506.4	2457.2	2093.4	1608.3	1365.8	1235.9
125°	2271.0	2316.3	2497.7	2679.1	2497.7	2316.3	2271.0	1962.0	1550.0	1343.9	1230.4
127.5°	2121.6	2159.9	2312.9	2465.9	2312.9	2159.9	2121.6	1856.2	1502.4	1325.5	1227.1
130°	2027.2	2062.6	2204.0	2345.3	2204.0	2062.6	2027.2	1791.0	1476.1	1318.6	1229.1
132.5°	1946.8	1978.5	2105.0	2231.7	2105.0	1978.5	1946.8	1735.4	1453.4	1312.5	1230.4
135°	1833.3	1860.5	1969.7	2078.8	1969.7	1860.5	1833.3	1656.2	1420.1	1302.0	1229.1
137.5°	1749.4	1771.7	1861.1	1950.4	1861.1	1771.7	1749.4	1599.7	1400.1	1300.2	1236.7
140°	1682.1	1703.0	1786.5	1870.0	1786.5	1703.0	1682.1	1552.8	1380.4	1294.2	1238.0
142.5°	1634.9	1652.8	1724.7	1796.5	1724.7	1652.8	1634.9	1521.3	1369.9	1294.2	1242.5
145°	1564.2	1577.7	1632.1	1686.4	1632.1	1577.7	1564.2	1471.2	1347.3	1285.4	1242.5
147.5°	1504.7	1516.0	1561.0	1606.1	1561.0	1516.0	1504.7	1431.5	1334.1	1285.4	1251.0
150°	1470.6	1479.7	1516.3	1552.8	1516.3	1479.7	1470.6	1408.8	1326.6	1285.4	1255.5
152.5°	1443.5	1450.4	1478.0	1505.6	1478.0	1450.4	1443.5	1390.8	1320.5	1285.4	1258.4
155°	1411.2	1415.8	1434.0	1452.3	1434.0	1415.8	1411.2	1369.2	1313.3	1285.4	1264.8
157.5°	1383.3	1386.4	1399.3	1412.1	1399.3	1386.4	1383.3	1350.7	1307.1	1285.4	1271.2
160°	1369.2	1371.1	1378.5	1385.9	1378.5	1371.1	1369.2	1341.3	1304.1	1285.4	1274.1
162.5°	1356.2	1357.9	1364.9	1371.9	1364.9	1357.9	1356.2	1332.5	1301.1	1285.4	1277.2
165°	1336.1	1338.0	1345.2	1352.6	1345.2	1338.0	1336.1	1319.2	1296.7	1285.4	1281.6
167.5°	1327.3	1328.1	1331.2	1334.3	1331.2	1328.1	1327.3	1316.3	1301.5	1294.2	1291.1
170°	1327.3	1327.3	1327.3	1327.3	1327.3	1327.3	1327.3	1316.3	1301.5	1294.2	1294.0
172.5°	1320.3	1319.6	1316.9	1314.2	1316.9	1319.6	1320.3	1311.6	1299.9	1294.2	1294.2
175°	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1310.7	1305.2	1297.8	1294.2	1295.9
177.5°	1309.0	1308.3	1305.1	1302.0	1305.1	1308.3	1309.0	1304.6	1298.7	1295.8	1297.2
180°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2474.9	2486.8	2493.9	2503.4	2527.0
5°	2380.1	2425.1	2439.3	2474.9	2517.6
7.5°	2171.5	2308.9	2346.9	2432.2	2498.6
10°	1970.0	2107.5	2173.9	2375.3	2474.9
12.5°	1868.0	1948.6	1993.7	2275.8	2441.8
15°	1804.0	1860.9	1894.2	2143.1	2403.8
17.5°	1754.2	1794.6	1818.2	2012.7	2351.6
20°	1723.4	1742.4	1763.8	1917.8	2292.4
22.5°	1702.1	1690.3	1706.8	1851.5	2211.8
25°	1687.8	1642.8	1661.8	1799.3	2116.9
27.5°	1699.7	1600.1	1607.2	1751.9	2017.3
30°	1702.1	1548.0	1550.3	1702.1	1905.9
32.5°	1685.5	1493.5	1495.9	1640.5	1780.3
35°	1645.2	1429.5	1427.1	1569.3	1609.7
37.5°	1590.7	1360.7	1360.7	1491.1	1422.4
40°	1524.3	1292.0	1299.1	1389.1	1256.4
42.5°	1443.7	1218.5	1227.9	1254.1	1133.1
45°	1356.0	1147.3	1154.5	1059.6	1038.3
47.5°	1258.8	1073.9	1076.2	879.5	1007.5
50°	1142.7	998.0	988.5	753.8	1005.2
52.5°	1040.7	915.0	886.6	682.8	912.7
55°	941.1	827.3	765.7	628.2	846.3
57.5°	853.4	713.6	654.3	564.2	832.1
60°	772.8	602.1	557.1	495.5	763.4
62.5°	706.5	519.1	509.7	448.0	692.2
65°	635.3	462.2	459.9	407.8	588.0
67.5°	566.6	424.3	422.0	369.8	448.0
70°	493.1	384.1	379.3	329.5	331.9
72.5°	417.2	339.0	334.3	296.4	275.0
75°	341.4	286.8	284.5	258.4	222.9
77.5°	267.9	227.6	232.3	208.7	163.5
80°	192.0	166.0	170.6	149.3	123.3
82.5°	128.1	109.1	113.8	94.8	82.9
85°	71.1	61.6	64.0	49.8	37.9
87.5°	33.2	28.5	28.5	19.0	11.9
90°	38.5	24.5	22.7	15.8	8.8
92.5°	237.1	168.7	153.8	94.3	34.9
95°	583.5	328.6	301.4	192.6	83.9
97.5°	785.9	360.9	336.9	241.0	145.1
100°	859.6	388.0	366.2	279.3	192.2
102.5°	893.4	415.1	394.8	313.6	232.5
105°	918.4	455.2	438.0	369.3	300.6
107.5°	923.0	514.6	498.7	434.6	370.5
110°	916.1	547.9	533.4	475.6	417.7



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CATALOG NUMBER: SQ4-FA-150U-125D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	916.3	588.0	574.2	519.1	464.0
115°	924.8	648.4	635.7	584.8	533.9
117.5°	942.0	706.9	695.4	649.1	602.9
120°	955.9	741.0	730.2	686.7	643.2
122.5°	976.0	781.2	770.3	726.4	682.5
125°	1003.1	832.8	822.8	782.7	742.7
127.5°	1030.2	882.5	872.4	832.0	791.7
130°	1050.1	915.8	905.0	861.4	817.9
132.5°	1066.1	942.9	932.0	888.5	845.0
135°	1083.5	974.3	964.4	924.8	885.2
137.5°	1109.8	1014.5	1004.7	965.5	926.2
140°	1125.8	1041.6	1032.5	996.5	960.3
142.5°	1139.2	1061.7	1053.4	1019.9	986.5
145°	1156.7	1092.3	1085.0	1055.9	1026.7
147.5°	1182.3	1130.7	1123.6	1095.3	1066.9
150°	1195.6	1150.8	1144.3	1118.7	1093.2
152.5°	1204.4	1164.0	1159.1	1139.7	1120.2
155°	1223.6	1192.7	1189.2	1174.8	1160.4
157.5°	1242.9	1221.6	1218.1	1204.1	1190.1
160°	1251.6	1234.7	1231.9	1221.1	1210.3
162.5°	1260.9	1248.7	1246.6	1238.5	1230.4
165°	1274.3	1268.7	1266.9	1259.6	1252.2
167.5°	1284.8	1280.1	1279.3	1275.8	1272.3
170°	1293.5	1293.2	1292.4	1288.8	1285.4
172.5°	1294.2	1294.2	1294.0	1293.1	1292.4
175°	1299.4	1302.0	1302.0	1302.0	1302.0
177.5°	1299.9	1302.0	1302.0	1302.0	1302.0
180°	1302.0	1302.0	1302.0	1302.0	1302.0



TEST NUMBER: P936191  
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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	13.69	14.50	14.71	15.52	16.88	16.52	17.32	17.53	18.35	19.71
	3H	14.17	14.89	15.19	15.92	17.30	17.86	18.58	18.88	19.61	20.99
	4H	14.36	15.04	15.39	16.07	17.46	18.30	18.98	19.33	20.01	21.40
	6H	14.47	15.10	15.52	16.14	17.54	18.58	19.21	19.62	20.25	21.65
	8H	14.47	15.07	15.52	16.12	17.52	18.65	19.25	19.70	20.30	21.70
	12H	14.44	15.01	15.50	16.06	17.48	18.69	19.26	19.74	20.30	21.72
4H	2H	14.72	15.40	15.76	16.43	17.82	16.92	17.61	17.96	18.64	20.03
	3H	15.74	16.31	16.79	17.37	18.77	18.42	18.99	19.47	20.05	21.45
	4H	16.01	16.54	17.07	17.59	19.01	18.95	19.47	20.00	20.52	21.94
	6H	16.14	16.58	17.20	17.66	19.08	19.31	19.75	20.37	20.83	22.25
	8H	16.14	16.56	17.21	17.63	19.06	19.41	19.83	20.48	20.90	22.33
	12H	16.11	16.48	17.19	17.57	19.01	19.46	19.84	20.55	20.92	22.36
8H	4H	16.46	16.88	17.53	17.95	19.38	19.07	19.48	20.13	20.55	21.99
	6H	16.72	17.07	17.81	18.18	19.61	19.50	19.84	20.59	20.95	22.39
	8H	16.76	17.07	17.86	18.16	19.61	19.65	19.95	20.74	21.04	22.50
	12H	16.75	17.01	17.84	18.10	19.59	19.74	20.01	20.84	21.10	22.59
12H	4H	16.47	16.84	17.55	17.93	19.37	19.03	19.41	20.11	20.49	21.93
	6H	16.78	17.09	17.88	18.18	19.63	19.49	19.80	20.59	20.89	22.34
	8H	16.85	17.11	17.95	18.20	19.69	19.65	19.92	20.75	21.01	22.50