

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: P934877

Luminaire Tested: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

**Test Information**

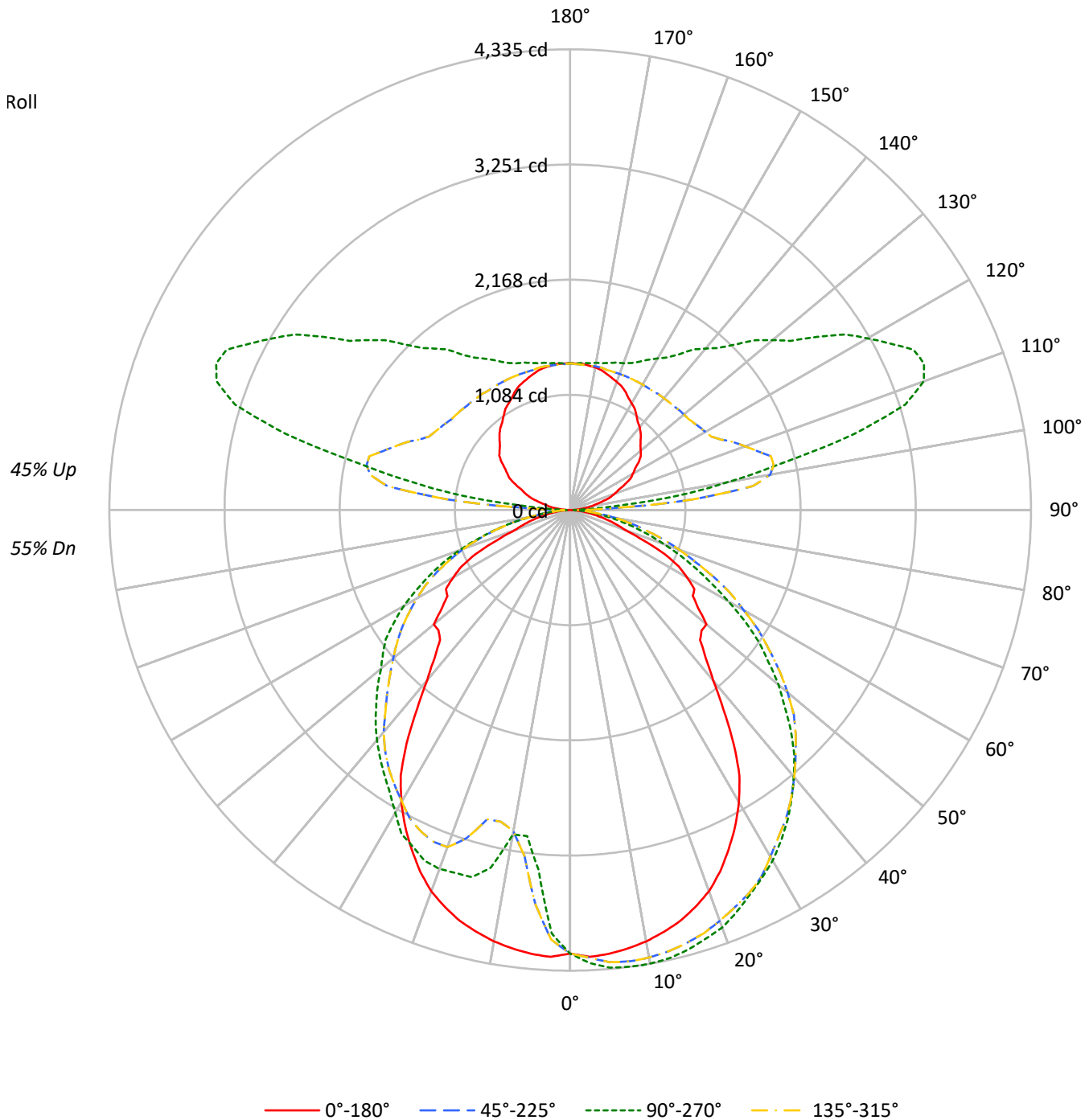
Test Method: LM-79-2019  
Report Number: P934877  
REPORT IS A COMBINATION OF REPORTS P933713 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19771.6 lumens  
Efficiency: N/A  
Efficacy: 128.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 153.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-2700K

### Luminous Intensity Polar Plot





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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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

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

	0°	90°	180°	270°
0°	12907	12907	12907	12907
5°	13008	13029	13008	10245
10°	12926	12834	12926	9176
15°	12790	12556	12790	10485
20°	12528	12227	12528	10507
25°	11985	11747	11985	10284
30°	11282	11348	11282	9795
35°	10063	10843	10063	9258
40°	8390	10249	8390	8852
45°	7501	9554	7501	8385
50°	7976	8725	7976	7917
55°	7510	7831	7510	7646
60°	7752	6651	7752	7003
65°	7040	5498	7040	6146
70°	4886	4382	4886	5151
75°	4301	3239	4301	3879
80°	3492	2141	3492	2331
85°	2045	1134	2045	965

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11489 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.7	1.9
10°-20°	1069.5	5.4
20°-30°	1653.2	8.4
30°-40°	1973.6	10.0
40°-50°	1985.2	10.0
50°-60°	1727.3	8.7
60°-70°	1224.7	6.2
70°-80°	647.9	3.3
80°-90°	166.6	0.8
90°-100°	672.7	3.4
100°-110°	1768.7	8.9
110°-120°	1833.9	9.3
120°-130°	1471.0	7.4
130°-140°	1154.2	5.8
140°-150°	885.9	4.5
150°-160°	638.0	3.2
160°-170°	390.4	2.0
170°-180°	131.9	0.7
0°-30°	3099.4	15.7
0°-40°	5073.0	25.7
0°-60°	8785.5	44.4
0°-90°	10824.8	54.7
90°-120°	4275.3	21.6
90°-150°	7786.5	39.4
90°-180°	8947.0	45.3
0°-180°	19771.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4173	4173	4173	4173	4173	
5°	4193	4323	4193	3399	4193	398
15°	4003	4283	4003	3577	4003	1126
25°	3525	3995	3525	3498	3525	1619
35°	2681	3565	2681	3044	2681	1658
45°	1729	2937	1729	2578	1729	1385
55°	1409	2167	1409	2116	1409	1295
65°	979	1307	979	1461	979	936
75°	371	620	371	742	371	390
85°	63	158	63	134	63	85
90°	9	35	9	35	9	10
95°	89	407	89	407	89	99
105°	319	2770	319	2770	319	338
115°	566	3566	566	3566	566	559
125°	787	2840	787	2840	787	699
135°	938	2204	938	2204	938	726
145°	1088	1788	1088	1788	1088	682
155°	1230	1539	1230	1539	1230	565
165°	1327	1434	1327	1434	1327	375
175°	1380	1389	1380	1389	1380	131
180°	1380	1380	1380	1380	1380	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4208.4	4208.4	4232.1	4240.0	4240.0	4228.1	4216.3	4228.1	4263.7	4275.5	4271.5
5°	4192.7	4224.2	4267.7	4275.5	4283.4	4279.5	4271.5	4279.5	4319.0	4326.8	4330.8
7.5°	4161.0	4220.3	4275.5	4287.4	4299.2	4287.4	4283.4	4291.4	4330.8	4338.7	4338.7
10°	4121.5	4204.5	4267.7	4275.5	4287.4	4275.5	4275.5	4291.4	4330.8	4338.7	4342.7
12.5°	4066.3	4180.8	4240.0	4247.9	4263.7	4259.7	4255.8	4271.5	4311.1	4319.0	4319.0
15°	4003.1	4137.4	4192.7	4200.5	4228.1	4220.3	4220.3	4236.1	4279.5	4291.4	4287.4
17.5°	3916.3	4082.1	4145.3	4157.1	4176.8	4172.8	4176.8	4192.7	4232.1	4240.0	4244.0
20°	3817.6	4007.1	4082.1	4094.0	4113.7	4113.7	4113.7	4133.4	4172.8	4188.7	4188.7
22.5°	3683.3	3928.1	4007.1	4015.0	4038.7	4038.7	4046.5	4074.1	4109.7	4113.7	4113.7
25°	3525.4	3841.3	3908.4	3932.1	3955.7	3967.6	3979.4	3995.3	4007.1	4003.1	4007.1
27.5°	3359.6	3730.7	3817.6	3833.4	3865.0	3876.8	3892.6	3896.6	3900.4	3912.3	3904.4
30°	3174.1	3576.7	3707.0	3722.8	3774.1	3782.0	3766.3	3774.1	3793.9	3801.8	3809.7
32.5°	2964.8	3347.8	3592.6	3628.0	3675.4	3651.7	3647.8	3659.7	3691.3	3691.3	3699.1
35°	2680.6	3170.2	3486.0	3517.6	3553.0	3525.4	3541.2	3545.2	3564.9	3576.7	3572.9
37.5°	2368.7	3016.2	3375.4	3399.1	3426.7	3391.2	3414.9	3426.7	3442.6	3434.6	3434.6
40°	2092.4	2775.4	3245.2	3260.9	3284.6	3257.0	3280.6	3288.6	3296.5	3288.6	3284.6
42.5°	1887.1	2510.8	3106.9	3126.7	3110.9	3130.6	3138.5	3154.3	3142.5	3126.7	3126.7
45°	1729.2	2439.8	2956.9	2980.6	2956.9	2988.5	3000.4	3000.4	2964.8	2956.9	2953.0
47.5°	1677.9	2297.7	2806.9	2806.9	2795.1	2834.5	2854.3	2826.6	2791.1	2779.3	2779.3
50°	1673.9	2139.7	2601.7	2585.8	2641.1	2688.5	2668.8	2641.1	2613.5	2570.1	2570.1
52.5°	1519.9	1946.3	2337.1	2396.4	2483.2	2510.8	2479.2	2451.7	2404.2	2384.5	2368.7
55°	1409.3	1745.0	2096.3	2214.7	2305.5	2341.1	2281.8	2254.2	2183.1	2171.3	2163.4
57.5°	1385.7	1452.8	1875.3	2025.3	2135.8	2131.8	2096.3	2045.0	1985.7	1974.0	1970.0
60°	1271.2	1050.1	1638.3	1816.0	1930.5	1918.7	1887.1	1839.7	1784.4	1776.6	1768.6
62.5°	1152.8	761.9	1369.9	1571.3	1733.1	1729.2	1701.6	1630.5	1591.0	1571.3	1555.5
65°	979.1	639.5	975.1	1306.8	1539.6	1547.6	1488.3	1437.0	1393.6	1369.9	1365.9
67.5°	746.1	521.1	659.3	1089.6	1354.2	1346.2	1271.2	1247.5	1192.2	1180.4	1156.8
70°	552.7	347.4	458.0	884.3	1172.5	1152.8	1093.5	1065.9	1014.6	986.9	971.2
72.5°	458.0	280.3	335.6	686.9	986.9	963.2	911.9	880.4	836.9	813.2	797.5
75°	371.1	296.1	256.6	509.3	801.4	785.6	738.2	706.7	671.1	639.5	643.5
77.5°	272.4	276.4	205.3	375.1	635.6	611.9	584.3	544.8	529.0	497.4	497.4
80°	205.3	217.1	154.0	256.6	458.0	458.0	434.3	406.7	379.0	363.2	363.2
82.5°	138.1	138.1	114.4	161.8	311.8	300.0	284.3	276.4	260.6	252.7	252.7
85°	63.1	79.0	71.0	98.7	169.7	177.7	177.7	169.7	165.8	157.9	161.8
87.5°	19.7	35.6	43.4	55.3	86.9	90.8	94.7	94.7	94.7	98.7	98.7
90°	9.3	16.6	24.0	25.9	40.7	60.6	70.4	62.5	46.9	35.2	35.2
92.5°	37.1	100.0	163.0	178.8	251.3	348.0	396.4	347.4	249.5	176.0	169.0
95°	88.9	204.2	319.5	348.3	618.4	978.7	1158.7	1034.0	784.5	597.4	576.2
97.5°	153.8	255.5	357.2	382.6	833.1	1433.6	1733.9	1655.1	1497.4	1379.2	1338.8
100°	203.8	296.0	388.2	411.2	911.1	1577.6	1910.8	1916.6	1928.2	1936.8	1888.7
102.5°	246.4	332.5	418.4	439.9	946.9	1622.9	1960.9	2061.3	2262.2	2412.9	2371.8
105°	318.6	391.5	464.3	482.6	973.5	1628.1	1955.3	2180.5	2630.9	2968.7	2946.6
107.5°	392.7	460.6	528.6	545.6	978.5	1555.7	1844.2	2158.3	2786.5	3257.6	3263.0
110°	442.7	504.1	565.4	580.8	971.0	1491.4	1751.6	2102.8	2805.0	3331.7	3354.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	491.8	550.3	608.8	623.4	971.4	1435.3	1667.3	2026.7	2745.5	3284.5	3319.9
115°	565.9	619.8	673.8	687.2	980.3	1371.0	1566.3	1912.5	2604.9	3124.3	3173.4
117.5°	639.1	688.1	737.0	749.3	998.5	1330.7	1496.8	1809.2	2434.1	2902.8	2957.3
120°	681.8	727.9	773.9	785.4	1013.3	1317.1	1469.0	1754.5	2325.5	2753.7	2806.6
122.5°	723.4	769.9	816.4	828.1	1034.6	1310.0	1447.7	1704.8	2219.0	2604.6	2656.8
125°	787.3	829.8	872.2	882.8	1063.3	1304.2	1424.6	1643.0	2079.7	2407.3	2455.4
127.5°	839.2	882.1	924.9	935.5	1092.1	1300.8	1405.2	1592.7	1967.7	2249.0	2289.5
130°	867.0	913.1	959.1	970.7	1113.0	1302.8	1397.7	1564.6	1898.5	2148.9	2186.3
132.5°	895.7	941.8	987.8	999.4	1130.0	1304.2	1391.2	1540.6	1839.5	2063.7	2097.3
135°	938.3	980.3	1022.3	1032.8	1148.6	1303.0	1380.2	1505.3	1755.5	1943.3	1972.2
137.5°	981.9	1023.4	1065.0	1075.4	1176.4	1310.9	1378.3	1484.0	1695.7	1854.4	1878.1
140°	1017.9	1056.2	1094.5	1104.1	1193.3	1312.3	1371.8	1463.2	1646.0	1783.0	1805.2
142.5°	1045.7	1081.2	1116.5	1125.4	1207.6	1317.0	1371.8	1452.1	1612.6	1733.0	1752.1
145°	1088.3	1119.2	1150.1	1157.8	1226.1	1317.0	1362.5	1428.2	1559.5	1658.0	1672.5
147.5°	1131.0	1161.0	1191.1	1198.6	1253.3	1326.1	1362.5	1414.2	1517.5	1595.0	1606.9
150°	1158.7	1185.9	1213.1	1219.9	1267.4	1330.9	1362.5	1406.2	1493.4	1558.8	1568.5
152.5°	1187.4	1208.0	1228.6	1233.7	1276.7	1333.9	1362.5	1399.8	1474.3	1530.2	1537.4
155°	1230.1	1245.3	1260.5	1264.3	1297.1	1340.7	1362.5	1392.2	1451.5	1495.9	1500.8
157.5°	1261.5	1276.4	1291.2	1294.9	1317.4	1347.5	1362.5	1385.5	1431.7	1466.2	1469.6
160°	1282.8	1294.4	1306.0	1308.8	1326.8	1350.6	1362.5	1382.2	1421.8	1451.5	1453.5
162.5°	1304.2	1312.8	1321.4	1323.6	1336.5	1353.9	1362.5	1379.2	1412.5	1437.5	1439.4
165°	1327.4	1335.1	1342.9	1344.9	1350.8	1358.6	1362.5	1374.5	1398.3	1416.2	1418.2
167.5°	1348.6	1352.3	1356.1	1357.0	1361.9	1368.5	1371.8	1379.6	1395.2	1406.9	1407.7
170°	1362.5	1366.2	1370.0	1370.9	1371.2	1371.6	1371.8	1379.6	1395.2	1406.9	1406.9
172.5°	1369.9	1370.7	1371.6	1371.8	1371.8	1371.8	1371.8	1378.0	1390.3	1399.6	1398.9
175°	1380.2	1380.2	1380.2	1380.2	1377.4	1373.7	1371.8	1375.7	1383.5	1389.4	1389.4
177.5°	1380.2	1380.2	1380.2	1380.2	1378.0	1375.1	1373.7	1376.8	1382.9	1387.5	1386.7
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4279.5	4267.7	4279.5	4271.5	4275.5	4263.7	4228.1	4216.3	4228.1	4240.0	4240.0
5°	4330.8	4322.9	4330.8	4330.8	4326.8	4319.0	4279.5	4271.5	4279.5	4283.4	4275.5
7.5°	4346.5	4334.8	4346.5	4338.7	4338.7	4330.8	4291.4	4283.4	4287.4	4299.2	4287.4
10°	4346.5	4334.8	4346.5	4342.7	4338.7	4330.8	4291.4	4275.5	4275.5	4287.4	4275.5
12.5°	4326.8	4319.0	4326.8	4319.0	4319.0	4311.1	4271.5	4255.8	4259.7	4263.7	4247.9
15°	4295.2	4283.4	4295.2	4287.4	4291.4	4279.5	4236.1	4220.3	4220.3	4228.1	4200.5
17.5°	4247.9	4232.1	4247.9	4244.0	4240.0	4232.1	4192.7	4176.8	4172.8	4176.8	4157.1
20°	4192.7	4180.8	4192.7	4188.7	4188.7	4172.8	4133.4	4113.7	4113.7	4113.7	4094.0
22.5°	4105.8	4094.0	4105.8	4113.7	4113.7	4109.7	4074.1	4046.5	4038.7	4038.7	4015.0
25°	4007.1	3995.3	4007.1	4007.1	4003.1	4007.1	3995.3	3979.4	3967.6	3955.7	3932.1
27.5°	3912.3	3904.4	3912.3	3904.4	3912.3	3900.4	3896.6	3892.6	3876.8	3865.0	3833.4
30°	3817.6	3809.7	3817.6	3809.7	3801.8	3793.9	3774.1	3766.3	3782.0	3774.1	3722.8
32.5°	3699.1	3691.3	3699.1	3699.1	3691.3	3691.3	3659.7	3647.8	3651.7	3675.4	3628.0
35°	3576.7	3564.9	3576.7	3572.9	3576.7	3564.9	3545.2	3541.2	3525.4	3553.0	3517.6
37.5°	3434.6	3422.8	3434.6	3434.6	3434.6	3442.6	3426.7	3414.9	3391.2	3426.7	3399.1
40°	3288.6	3272.8	3288.6	3284.6	3288.6	3296.5	3288.6	3280.6	3257.0	3284.6	3260.9
42.5°	3122.8	3118.8	3122.8	3126.7	3126.7	3142.5	3154.3	3138.5	3130.6	3110.9	3126.7
45°	2945.1	2937.2	2945.1	2953.0	2956.9	2964.8	3000.4	3000.4	2988.5	2956.9	2980.6
47.5°	2755.6	2735.9	2755.6	2779.3	2779.3	2791.1	2826.6	2854.3	2834.5	2795.1	2806.9
50°	2554.2	2558.2	2554.2	2570.1	2570.1	2613.5	2641.1	2668.8	2688.5	2641.1	2585.8
52.5°	2356.8	2353.0	2356.8	2368.7	2384.5	2404.2	2451.7	2479.2	2510.8	2483.2	2396.4
55°	2159.4	2167.4	2159.4	2163.4	2171.3	2183.1	2254.2	2281.8	2341.1	2305.5	2214.7
57.5°	1962.1	1950.3	1962.1	1970.0	1974.0	1985.7	2045.0	2096.3	2131.8	2135.8	2025.3
60°	1733.1	1717.3	1733.1	1768.6	1776.6	1784.4	1839.7	1887.1	1918.7	1930.5	1816.0
62.5°	1531.7	1504.2	1531.7	1555.5	1571.3	1591.0	1630.5	1701.6	1729.2	1733.1	1571.3
65°	1318.6	1306.8	1318.6	1365.9	1369.9	1393.6	1437.0	1488.3	1547.6	1539.6	1306.8
67.5°	1125.2	1125.2	1125.2	1156.8	1180.4	1192.2	1247.5	1271.2	1346.2	1354.2	1089.6
70°	947.5	943.5	947.5	971.2	986.9	1014.6	1065.9	1093.5	1152.8	1172.5	884.3
72.5°	777.8	773.8	777.8	797.5	813.2	836.9	880.4	911.9	963.2	986.9	686.9
75°	627.7	619.8	627.7	643.5	639.5	671.1	706.7	738.2	785.6	801.4	509.3
77.5°	481.7	481.7	481.7	497.4	497.4	529.0	544.8	584.3	611.9	635.6	375.1
80°	359.3	355.3	359.3	363.2	363.2	379.0	406.7	434.3	458.0	458.0	256.6
82.5°	252.7	244.7	252.7	252.7	252.7	260.6	276.4	284.3	300.0	311.8	161.8
85°	157.9	157.9	157.9	161.8	157.9	165.8	169.7	177.7	177.7	169.7	98.7
87.5°	102.7	98.7	102.7	98.7	98.7	94.7	94.7	94.7	90.8	86.9	55.3
90°	35.2	35.2	35.2	35.2	35.2	46.9	62.5	70.4	60.6	40.7	25.9
92.5°	141.0	113.0	141.0	169.0	176.0	249.5	347.4	396.4	348.0	251.3	178.8
95°	491.4	406.7	491.4	576.2	597.4	784.5	1034.0	1158.7	978.7	618.4	348.3
97.5°	1177.5	1016.1	1177.5	1338.8	1379.2	1497.4	1655.1	1733.9	1433.6	833.1	382.6
100°	1696.5	1504.3	1696.5	1888.7	1936.8	1928.2	1916.6	1910.8	1577.6	911.1	411.2
102.5°	2207.0	2042.4	2207.0	2371.8	2412.9	2262.2	2061.3	1960.9	1622.9	946.9	439.9
105°	2858.0	2769.5	2858.0	2946.6	2968.7	2630.9	2180.5	1955.3	1628.1	973.5	482.6
107.5°	3284.4	3305.8	3284.4	3263.0	3257.6	2786.5	2158.3	1844.2	1555.7	978.5	545.6
110°	3447.0	3539.2	3447.0	3354.7	3331.7	2805.0	2102.8	1751.6	1491.4	971.0	580.8





TEST NUMBER: P934877

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3461.5	3603.1	3461.5	3319.9	3284.5	2745.5	2026.7	1667.3	1435.3	971.4	623.4
115°	3369.7	3566.1	3369.7	3173.4	3124.3	2604.9	1912.5	1566.3	1371.0	980.3	687.2
117.5°	3175.0	3392.9	3175.0	2957.3	2902.8	2434.1	1809.2	1496.8	1330.7	998.5	749.3
120°	3018.3	3229.8	3018.3	2806.6	2753.7	2325.5	1754.5	1469.0	1317.1	1013.3	785.4
122.5°	2865.5	3074.3	2865.5	2656.8	2604.6	2219.0	1704.8	1447.7	1310.0	1034.6	828.1
125°	2647.7	2839.9	2647.7	2455.4	2407.3	2079.7	1643.0	1424.6	1304.2	1063.3	882.8
127.5°	2451.8	2613.9	2451.8	2289.5	2249.0	1967.7	1592.7	1405.2	1300.8	1092.1	935.5
130°	2336.2	2486.1	2336.2	2186.3	2148.9	1898.5	1564.6	1397.7	1302.8	1113.0	970.7
132.5°	2231.4	2365.7	2231.4	2097.3	2063.7	1839.5	1540.6	1391.2	1304.2	1130.0	999.4
135°	2087.9	2203.6	2087.9	1972.2	1943.3	1755.5	1505.3	1380.2	1303.0	1148.6	1032.8
137.5°	1972.7	2067.4	1972.7	1878.1	1854.4	1695.7	1484.0	1378.3	1310.9	1176.4	1075.4
140°	1893.7	1982.1	1893.7	1805.2	1783.0	1646.0	1463.2	1371.8	1312.3	1193.3	1104.1
142.5°	1828.3	1904.4	1828.3	1752.1	1733.0	1612.6	1452.1	1371.8	1317.0	1207.6	1125.4
145°	1730.1	1787.6	1730.1	1672.5	1658.0	1559.5	1428.2	1362.5	1317.0	1226.1	1157.8
147.5°	1654.7	1702.5	1654.7	1606.9	1595.0	1517.5	1414.2	1362.5	1326.1	1253.3	1198.6
150°	1607.2	1646.0	1607.2	1568.5	1558.8	1493.4	1406.2	1362.5	1330.9	1267.4	1219.9
152.5°	1566.7	1595.9	1566.7	1537.4	1530.2	1474.3	1399.8	1362.5	1333.9	1276.7	1233.7
155°	1520.1	1539.4	1520.1	1500.8	1495.9	1451.5	1392.2	1362.5	1340.7	1297.1	1264.3
157.5°	1483.2	1496.8	1483.2	1469.6	1466.2	1431.7	1385.5	1362.5	1347.5	1317.4	1294.9
160°	1461.2	1469.0	1461.2	1453.5	1451.5	1421.8	1382.2	1362.5	1350.6	1326.8	1308.8
162.5°	1446.8	1454.3	1446.8	1439.4	1437.5	1412.5	1379.2	1362.5	1353.9	1336.5	1323.6
165°	1426.0	1433.8	1426.0	1418.2	1416.2	1398.3	1374.5	1362.5	1358.6	1350.8	1344.9
167.5°	1411.1	1414.4	1411.1	1407.7	1406.9	1395.2	1379.6	1371.8	1368.5	1361.9	1357.0
170°	1406.9	1406.9	1406.9	1406.9	1406.9	1395.2	1379.6	1371.8	1371.6	1371.2	1370.9
172.5°	1396.0	1393.1	1396.0	1398.9	1399.6	1390.3	1378.0	1371.8	1371.8	1371.8	1371.8
175°	1389.4	1389.4	1389.4	1389.4	1389.4	1383.5	1375.7	1371.8	1373.7	1377.4	1380.2
177.5°	1383.4	1380.2	1383.4	1386.7	1387.5	1382.9	1376.8	1373.7	1375.1	1378.0	1380.2
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934877

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4232.1	4208.4	4208.4	4169.0	4153.1	4141.3	4121.5	4062.4	4046.5	4030.7	4054.4
5°	4267.7	4224.2	4192.7	4121.5	4062.4	4038.7	3963.7	3821.6	3726.7	3655.7	3616.3
7.5°	4275.5	4220.3	4161.0	4050.5	3908.4	3845.3	3616.3	3355.7	3284.6	3221.5	3181.9
10°	4267.7	4204.5	4121.5	3955.7	3620.2	3509.6	3280.6	3110.9	3067.5	3055.6	3067.5
12.5°	4240.0	4180.8	4066.3	3790.0	3320.2	3245.2	3110.9	3012.2	3004.3	3024.1	3130.6
15°	4192.7	4137.4	4003.1	3568.9	3154.3	3099.1	3004.3	2968.8	3012.2	3150.3	3470.2
17.5°	4145.3	4082.1	3916.3	3351.7	3028.0	2988.5	2921.4	2992.5	3237.2	3422.8	3529.4
20°	4082.1	4007.1	3817.6	3193.8	2937.2	2901.6	2870.1	3189.9	3375.4	3442.6	3501.7
22.5°	4007.1	3928.1	3683.3	3083.3	2842.5	2814.8	2834.5	3300.4	3375.4	3422.8	3474.1
25°	3908.4	3841.3	3525.4	2996.5	2767.5	2735.9	2810.9	3288.6	3332.0	3343.9	3446.5
27.5°	3817.6	3730.7	3359.6	2917.5	2676.7	2664.8	2830.6	3237.2	3268.9	3280.6	3391.2
30°	3707.0	3576.7	3174.1	2834.5	2581.9	2577.9	2834.5	3174.1	3166.2	3197.8	3308.3
32.5°	3592.6	3347.8	2964.8	2731.9	2491.1	2487.1	2806.9	3079.3	3071.5	3114.9	3197.8
35°	3486.0	3170.2	2680.6	2613.5	2376.7	2380.5	2739.8	2968.8	2972.8	3012.2	3063.5
37.5°	3375.4	3016.2	2368.7	2483.2	2266.1	2266.1	2649.0	2866.2	2858.2	2870.1	2941.2
40°	3245.2	2775.4	2092.4	2313.4	2163.4	2151.6	2538.5	2755.6	2727.9	2724.1	2822.8
42.5°	3106.9	2510.8	1887.1	2088.4	2045.0	2029.2	2404.2	2621.4	2570.1	2581.9	2708.2
45°	2956.9	2439.8	1729.2	1764.7	1922.6	1910.7	2258.1	2467.4	2431.8	2463.5	2593.8
47.5°	2806.9	2297.7	1677.9	1464.6	1792.3	1788.4	2096.3	2317.4	2297.7	2329.2	2467.4
50°	2601.7	2139.7	1673.9	1255.5	1646.3	1662.0	1902.9	2171.3	2171.3	2199.0	2345.0
52.5°	2337.1	1946.3	1519.9	1136.9	1476.5	1523.9	1733.1	2045.0	2052.9	2080.5	2210.8
55°	2096.3	1745.0	1409.3	1046.2	1275.2	1377.8	1567.3	1914.7	1930.5	1958.1	2076.6
57.5°	1875.3	1452.8	1385.7	939.6	1089.6	1188.3	1421.2	1788.4	1796.3	1820.0	1934.4
60°	1638.3	1050.1	1271.2	825.1	927.8	1002.8	1287.0	1638.3	1666.0	1681.7	1780.4
62.5°	1369.9	761.9	1152.8	746.1	848.8	864.6	1176.5	1496.2	1531.7	1543.6	1602.9
65°	975.1	639.5	979.1	679.1	765.9	769.8	1058.1	1350.2	1381.8	1401.5	1444.9
67.5°	659.3	521.1	746.1	615.8	702.7	706.7	943.5	1180.4	1223.8	1239.6	1267.3
70°	458.0	347.4	552.7	548.8	631.7	639.5	821.2	1026.5	1065.9	1077.8	1093.5
72.5°	335.6	280.3	458.0	493.5	556.7	564.5	694.8	852.8	892.2	904.1	911.9
75°	256.6	296.1	371.1	430.3	473.7	477.7	568.5	694.8	722.5	730.4	734.3
77.5°	205.3	276.4	272.4	347.4	386.8	379.0	446.1	536.9	560.5	560.5	560.5
80°	154.0	217.1	205.3	248.7	284.3	276.4	319.8	383.0	390.8	398.7	394.8
82.5°	114.4	138.1	138.1	157.9	189.5	181.6	213.1	248.7	248.7	248.7	256.6
85°	71.0	79.0	63.1	82.9	106.6	102.7	118.4	134.3	138.1	138.1	130.3
87.5°	43.4	35.6	19.7	31.6	47.4	47.4	55.3	59.3	55.3	55.3	55.3
90°	24.0	16.6	9.3	16.6	24.0	25.9	40.7	60.6	70.4	62.5	46.9
92.5°	163.0	100.0	37.1	100.0	163.0	178.8	251.3	348.0	396.4	347.4	249.5
95°	319.5	204.2	88.9	204.2	319.5	348.3	618.4	978.7	1158.7	1034.0	784.5
97.5°	357.2	255.5	153.8	255.5	357.2	382.6	833.1	1433.6	1733.9	1655.1	1497.4
100°	388.2	296.0	203.8	296.0	388.2	411.2	911.1	1577.6	1910.8	1916.6	1928.2
102.5°	418.4	332.5	246.4	332.5	418.4	439.9	946.9	1622.9	1960.9	2061.3	2262.2
105°	464.3	391.5	318.6	391.5	464.3	482.6	973.5	1628.1	1955.3	2180.5	2630.9
107.5°	528.6	460.6	392.7	460.6	528.6	545.6	978.5	1555.7	1844.2	2158.3	2786.5
110°	565.4	504.1	442.7	504.1	565.4	580.8	971.0	1491.4	1751.6	2102.8	2805.0



TEST NUMBER: P934877

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	608.8	550.3	491.8	550.3	608.8	623.4	971.4	1435.3	1667.3	2026.7	2745.5
115°	673.8	619.8	565.9	619.8	673.8	687.2	980.3	1371.0	1566.3	1912.5	2604.9
117.5°	737.0	688.1	639.1	688.1	737.0	749.3	998.5	1330.7	1496.8	1809.2	2434.1
120°	773.9	727.9	681.8	727.9	773.9	785.4	1013.3	1317.1	1469.0	1754.5	2325.5
122.5°	816.4	769.9	723.4	769.9	816.4	828.1	1034.6	1310.0	1447.7	1704.8	2219.0
125°	872.2	829.8	787.3	829.8	872.2	882.8	1063.3	1304.2	1424.6	1643.0	2079.7
127.5°	924.9	882.1	839.2	882.1	924.9	935.5	1092.1	1300.8	1405.2	1592.7	1967.7
130°	959.1	913.1	867.0	913.1	959.1	970.7	1113.0	1302.8	1397.7	1564.6	1898.5
132.5°	987.8	941.8	895.7	941.8	987.8	999.4	1130.0	1304.2	1391.2	1540.6	1839.5
135°	1022.3	980.3	938.3	980.3	1022.3	1032.8	1148.6	1303.0	1380.2	1505.3	1755.5
137.5°	1065.0	1023.4	981.9	1023.4	1065.0	1075.4	1176.4	1310.9	1378.3	1484.0	1695.7
140°	1094.5	1056.2	1017.9	1056.2	1094.5	1104.1	1193.3	1312.3	1371.8	1463.2	1646.0
142.5°	1116.5	1081.2	1045.7	1081.2	1116.5	1125.4	1207.6	1317.0	1371.8	1452.1	1612.6
145°	1150.1	1119.2	1088.3	1119.2	1150.1	1157.8	1226.1	1317.0	1362.5	1428.2	1559.5
147.5°	1191.1	1161.0	1131.0	1161.0	1191.1	1198.6	1253.3	1326.1	1362.5	1414.2	1517.5
150°	1213.1	1185.9	1158.7	1185.9	1213.1	1219.9	1267.4	1330.9	1362.5	1406.2	1493.4
152.5°	1228.6	1208.0	1187.4	1208.0	1228.6	1233.7	1276.7	1333.9	1362.5	1399.8	1474.3
155°	1260.5	1245.3	1230.1	1245.3	1260.5	1264.3	1297.1	1340.7	1362.5	1392.2	1451.5
157.5°	1291.2	1276.4	1261.5	1276.4	1291.2	1294.9	1317.4	1347.5	1362.5	1385.5	1431.7
160°	1306.0	1294.4	1282.8	1294.4	1306.0	1308.8	1326.8	1350.6	1362.5	1382.2	1421.8
162.5°	1321.4	1312.8	1304.2	1312.8	1321.4	1323.6	1336.5	1353.9	1362.5	1379.2	1412.5
165°	1342.9	1335.1	1327.4	1335.1	1342.9	1344.9	1350.8	1358.6	1362.5	1374.5	1398.3
167.5°	1356.1	1352.3	1348.6	1352.3	1356.1	1357.0	1361.9	1368.5	1371.8	1379.6	1395.2
170°	1370.0	1366.2	1362.5	1366.2	1370.0	1370.9	1371.2	1371.6	1371.8	1379.6	1395.2
172.5°	1371.6	1370.7	1369.9	1370.7	1371.6	1371.8	1371.8	1371.8	1371.8	1378.0	1390.3
175°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1377.4	1373.7	1371.8	1375.7	1383.5
177.5°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1378.0	1375.1	1373.7	1376.8	1382.9
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934877

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4026.8	4015.0	4030.7	3987.3	4030.7	4015.0	4026.8	4054.4	4030.7	4046.5	4062.4
5°	3533.3	3513.6	3450.4	3399.1	3450.4	3513.6	3533.3	3616.3	3655.7	3726.7	3821.6
7.5°	3158.3	3142.5	3126.7	3095.1	3126.7	3142.5	3158.3	3181.9	3221.5	3284.6	3355.7
10°	3075.3	3079.3	3103.0	3099.1	3103.0	3079.3	3075.3	3067.5	3055.6	3067.5	3110.9
12.5°	3288.6	3324.1	3454.3	3446.5	3454.3	3324.1	3288.6	3130.6	3024.1	3004.3	3012.2
15°	3533.3	3545.2	3572.9	3576.7	3572.9	3545.2	3533.3	3470.2	3150.3	3012.2	2968.8
17.5°	3557.0	3561.0	3580.7	3580.7	3580.7	3561.0	3557.0	3529.4	3422.8	3237.2	2992.5
20°	3537.3	3545.2	3584.6	3592.6	3584.6	3545.2	3537.3	3501.7	3442.6	3375.4	3189.9
22.5°	3529.4	3545.2	3576.7	3572.9	3576.7	3545.2	3529.4	3474.1	3422.8	3375.4	3300.4
25°	3489.9	3489.9	3493.9	3497.8	3493.9	3489.9	3489.9	3446.5	3343.9	3332.0	3288.6
27.5°	3407.0	3414.9	3438.6	3434.6	3438.6	3414.9	3407.0	3391.2	3280.6	3268.9	3237.2
30°	3332.0	3324.1	3304.3	3288.6	3304.3	3324.1	3332.0	3308.3	3197.8	3166.2	3174.1
32.5°	3205.6	3185.9	3166.2	3154.3	3166.2	3185.9	3205.6	3197.8	3114.9	3071.5	3079.3
35°	3055.6	3059.6	3055.6	3043.8	3055.6	3059.6	3055.6	3063.5	3012.2	2972.8	2968.8
37.5°	2949.1	2956.9	2953.0	2937.2	2953.0	2956.9	2949.1	2941.2	2870.1	2858.2	2866.2
40°	2838.5	2842.5	2838.5	2826.6	2838.5	2842.5	2838.5	2822.8	2724.1	2727.9	2755.6
42.5°	2731.9	2727.9	2716.1	2708.2	2716.1	2727.9	2731.9	2708.2	2581.9	2570.1	2621.4
45°	2609.5	2613.5	2589.8	2577.9	2589.8	2613.5	2609.5	2593.8	2463.5	2431.8	2467.4
47.5°	2487.1	2487.1	2467.4	2455.5	2467.4	2487.1	2487.1	2467.4	2329.2	2297.7	2317.4
50°	2356.8	2353.0	2325.3	2321.4	2325.3	2353.0	2356.8	2345.0	2199.0	2171.3	2171.3
52.5°	2206.8	2206.8	2210.8	2218.7	2210.8	2206.8	2206.8	2210.8	2080.5	2052.9	2045.0
55°	2076.6	2080.5	2108.1	2116.0	2108.1	2080.5	2076.6	2076.6	1958.1	1930.5	1914.7
57.5°	1942.3	1942.3	1962.1	1962.1	1962.1	1942.3	1942.3	1934.4	1820.0	1796.3	1788.4
60°	1788.4	1796.3	1812.0	1808.1	1812.0	1796.3	1788.4	1780.4	1681.7	1666.0	1638.3
62.5°	1626.5	1634.4	1638.3	1630.5	1638.3	1634.4	1626.5	1602.9	1543.6	1531.7	1496.2
65°	1456.7	1464.6	1468.6	1460.7	1468.6	1464.6	1456.7	1444.9	1401.5	1381.8	1350.2
67.5°	1283.0	1279.1	1275.2	1290.9	1275.2	1279.1	1283.0	1267.3	1239.6	1223.8	1180.4
70°	1105.4	1105.4	1101.5	1109.3	1101.5	1105.4	1105.4	1093.5	1077.8	1065.9	1026.5
72.5°	915.9	911.9	927.8	915.9	927.8	911.9	915.9	911.9	904.1	892.2	852.8
75°	730.4	738.2	730.4	742.2	730.4	738.2	730.4	734.3	730.4	722.5	694.8
77.5°	556.7	564.5	556.7	556.7	556.7	564.5	556.7	560.5	560.5	560.5	536.9
80°	394.8	390.8	390.8	386.8	390.8	390.8	394.8	394.8	398.7	390.8	383.0
82.5°	252.7	248.7	248.7	256.6	248.7	248.7	252.7	256.6	248.7	248.7	248.7
85°	138.1	142.1	134.3	134.3	134.3	142.1	138.1	130.3	138.1	138.1	134.3
87.5°	51.3	47.4	47.4	47.4	47.4	47.4	51.3	55.3	55.3	55.3	59.3
90°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	46.9	62.5	70.4	60.6
92.5°	176.0	169.0	141.0	113.0	141.0	169.0	176.0	249.5	347.4	396.4	348.0
95°	597.4	576.2	491.4	406.7	491.4	576.2	597.4	784.5	1034.0	1158.7	978.7
97.5°	1379.2	1338.8	1177.5	1016.1	1177.5	1338.8	1379.2	1497.4	1655.1	1733.9	1433.6
100°	1936.8	1888.7	1696.5	1504.3	1696.5	1888.7	1936.8	1928.2	1916.6	1910.8	1577.6
102.5°	2412.9	2371.8	2207.0	2042.4	2207.0	2371.8	2412.9	2262.2	2061.3	1960.9	1622.9
105°	2968.7	2946.6	2858.0	2769.5	2858.0	2946.6	2968.7	2630.9	2180.5	1955.3	1628.1
107.5°	3257.6	3263.0	3284.4	3305.8	3284.4	3263.0	3257.6	2786.5	2158.3	1844.2	1555.7
110°	3331.7	3354.7	3447.0	3539.2	3447.0	3354.7	3331.7	2805.0	2102.8	1751.6	1491.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3284.5	3319.9	3461.5	3603.1	3461.5	3319.9	3284.5	2745.5	2026.7	1667.3	1435.3
115°	3124.3	3173.4	3369.7	3566.1	3369.7	3173.4	3124.3	2604.9	1912.5	1566.3	1371.0
117.5°	2902.8	2957.3	3175.0	3392.9	3175.0	2957.3	2902.8	2434.1	1809.2	1496.8	1330.7
120°	2753.7	2806.6	3018.3	3229.8	3018.3	2806.6	2753.7	2325.5	1754.5	1469.0	1317.1
122.5°	2604.6	2656.8	2865.5	3074.3	2865.5	2656.8	2604.6	2219.0	1704.8	1447.7	1310.0
125°	2407.3	2455.4	2647.7	2839.9	2647.7	2455.4	2407.3	2079.7	1643.0	1424.6	1304.2
127.5°	2249.0	2289.5	2451.8	2613.9	2451.8	2289.5	2249.0	1967.7	1592.7	1405.2	1300.8
130°	2148.9	2186.3	2336.2	2486.1	2336.2	2186.3	2148.9	1898.5	1564.6	1397.7	1302.8
132.5°	2063.7	2097.3	2231.4	2365.7	2231.4	2097.3	2063.7	1839.5	1540.6	1391.2	1304.2
135°	1943.3	1972.2	2087.9	2203.6	2087.9	1972.2	1943.3	1755.5	1505.3	1380.2	1303.0
137.5°	1854.4	1878.1	1972.7	2067.4	1972.7	1878.1	1854.4	1695.7	1484.0	1378.3	1310.9
140°	1783.0	1805.2	1893.7	1982.1	1893.7	1805.2	1783.0	1646.0	1463.2	1371.8	1312.3
142.5°	1733.0	1752.1	1828.3	1904.4	1828.3	1752.1	1733.0	1612.6	1452.1	1371.8	1317.0
145°	1658.0	1672.5	1730.1	1787.6	1730.1	1672.5	1658.0	1559.5	1428.2	1362.5	1317.0
147.5°	1595.0	1606.9	1654.7	1702.5	1654.7	1606.9	1595.0	1517.5	1414.2	1362.5	1326.1
150°	1558.8	1568.5	1607.2	1646.0	1607.2	1568.5	1558.8	1493.4	1406.2	1362.5	1330.9
152.5°	1530.2	1537.4	1566.7	1595.9	1566.7	1537.4	1530.2	1474.3	1399.8	1362.5	1333.9
155°	1495.9	1500.8	1520.1	1539.4	1520.1	1500.8	1495.9	1451.5	1392.2	1362.5	1340.7
157.5°	1466.2	1469.6	1483.2	1496.8	1483.2	1469.6	1466.2	1431.7	1385.5	1362.5	1347.5
160°	1451.5	1453.5	1461.2	1469.0	1461.2	1453.5	1451.5	1421.8	1382.2	1362.5	1350.6
162.5°	1437.5	1439.4	1446.8	1454.3	1446.8	1439.4	1437.5	1412.5	1379.2	1362.5	1353.9
165°	1416.2	1418.2	1426.0	1433.8	1426.0	1418.2	1416.2	1398.3	1374.5	1362.5	1358.6
167.5°	1406.9	1407.7	1411.1	1414.4	1411.1	1407.7	1406.9	1395.2	1379.6	1371.8	1368.5
170°	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1395.2	1379.6	1371.8	1371.6
172.5°	1399.6	1398.9	1396.0	1393.1	1396.0	1398.9	1399.6	1390.3	1378.0	1371.8	1371.8
175°	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4	1383.5	1375.7	1371.8	1373.7
177.5°	1387.5	1386.7	1383.4	1380.2	1383.4	1386.7	1387.5	1382.9	1376.8	1373.7	1375.1
180°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934877

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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4121.5	4141.3	4153.1	4169.0	4208.4
5°	3963.7	4038.7	4062.4	4121.5	4192.7
7.5°	3616.3	3845.3	3908.4	4050.5	4161.0
10°	3280.6	3509.6	3620.2	3955.7	4121.5
12.5°	3110.9	3245.2	3320.2	3790.0	4066.3
15°	3004.3	3099.1	3154.3	3568.9	4003.1
17.5°	2921.4	2988.5	3028.0	3351.7	3916.3
20°	2870.1	2901.6	2937.2	3193.8	3817.6
22.5°	2834.5	2814.8	2842.5	3083.3	3683.3
25°	2810.9	2735.9	2767.5	2996.5	3525.4
27.5°	2830.6	2664.8	2676.7	2917.5	3359.6
30°	2834.5	2577.9	2581.9	2834.5	3174.1
32.5°	2806.9	2487.1	2491.1	2731.9	2964.8
35°	2739.8	2380.5	2376.7	2613.5	2680.6
37.5°	2649.0	2266.1	2266.1	2483.2	2368.7
40°	2538.5	2151.6	2163.4	2313.4	2092.4
42.5°	2404.2	2029.2	2045.0	2088.4	1887.1
45°	2258.1	1910.7	1922.6	1764.7	1729.2
47.5°	2096.3	1788.4	1792.3	1464.6	1677.9
50°	1902.9	1662.0	1646.3	1255.5	1673.9
52.5°	1733.1	1523.9	1476.5	1136.9	1519.9
55°	1567.3	1377.8	1275.2	1046.2	1409.3
57.5°	1421.2	1188.3	1089.6	939.6	1385.7
60°	1287.0	1002.8	927.8	825.1	1271.2
62.5°	1176.5	864.6	848.8	746.1	1152.8
65°	1058.1	769.8	765.9	679.1	979.1
67.5°	943.5	706.7	702.7	615.8	746.1
70°	821.2	639.5	631.7	548.8	552.7
72.5°	694.8	564.5	556.7	493.5	458.0
75°	568.5	477.7	473.7	430.3	371.1
77.5°	446.1	379.0	386.8	347.4	272.4
80°	319.8	276.4	284.3	248.7	205.3
82.5°	213.1	181.6	189.5	157.9	138.1
85°	118.4	102.7	106.6	82.9	63.1
87.5°	55.3	47.4	47.4	31.6	19.7
90°	40.7	25.9	24.0	16.6	9.3
92.5°	251.3	178.8	163.0	100.0	37.1
95°	618.4	348.3	319.5	204.2	88.9
97.5°	833.1	382.6	357.2	255.5	153.8
100°	911.1	411.2	388.2	296.0	203.8
102.5°	946.9	439.9	418.4	332.5	246.4
105°	973.5	482.6	464.3	391.5	318.6
107.5°	978.5	545.6	528.6	460.6	392.7
110°	971.0	580.8	565.4	504.1	442.7



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CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	971.4	623.4	608.8	550.3	491.8
115°	980.3	687.2	673.8	619.8	565.9
117.5°	998.5	749.3	737.0	688.1	639.1
120°	1013.3	785.4	773.9	727.9	681.8
122.5°	1034.6	828.1	816.4	769.9	723.4
125°	1063.3	882.8	872.2	829.8	787.3
127.5°	1092.1	935.5	924.9	882.1	839.2
130°	1113.0	970.7	959.1	913.1	867.0
132.5°	1130.0	999.4	987.8	941.8	895.7
135°	1148.6	1032.8	1022.3	980.3	938.3
137.5°	1176.4	1075.4	1065.0	1023.4	981.9
140°	1193.3	1104.1	1094.5	1056.2	1017.9
142.5°	1207.6	1125.4	1116.5	1081.2	1045.7
145°	1226.1	1157.8	1150.1	1119.2	1088.3
147.5°	1253.3	1198.6	1191.1	1161.0	1131.0
150°	1267.4	1219.9	1213.1	1185.9	1158.7
152.5°	1276.7	1233.7	1228.6	1208.0	1187.4
155°	1297.1	1264.3	1260.5	1245.3	1230.1
157.5°	1317.4	1294.9	1291.2	1276.4	1261.5
160°	1326.8	1308.8	1306.0	1294.4	1282.8
162.5°	1336.5	1323.6	1321.4	1312.8	1304.2
165°	1350.8	1344.9	1342.9	1335.1	1327.4
167.5°	1361.9	1357.0	1356.1	1352.3	1348.6
170°	1371.2	1370.9	1370.0	1366.2	1362.5
172.5°	1371.8	1371.8	1371.6	1370.7	1369.9
175°	1377.4	1380.2	1380.2	1380.2	1380.2
177.5°	1378.0	1380.2	1380.2	1380.2	1380.2
180°	1380.2	1380.2	1380.2	1380.2	1380.2



TEST NUMBER: P934877

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-12-2700K

**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	14.13	15.03	15.04	15.97	17.17	16.98	17.88	17.89	18.82	20.02
	3H	14.61	15.42	15.53	16.36	17.59	18.33	19.15	19.26	20.09	21.31
	4H	14.80	15.57	15.74	16.52	17.75	18.78	19.55	19.73	20.50	21.74
	6H	14.92	15.63	15.87	16.58	17.83	19.08	19.78	20.03	20.74	21.99
	8H	14.92	15.60	15.88	16.57	17.81	19.16	19.83	20.12	20.80	22.05
	12H	14.90	15.54	15.86	16.50	17.77	19.20	19.84	20.16	20.80	22.08
4H	2H	15.17	15.94	16.12	16.89	18.12	17.39	18.16	18.34	19.11	20.34
	3H	16.20	16.84	17.16	17.82	19.07	18.91	19.55	19.87	20.53	21.78
	4H	16.48	17.06	17.45	18.04	19.31	19.44	20.03	20.41	21.00	22.27
	6H	16.61	17.11	17.59	18.11	19.38	19.82	20.32	20.80	21.32	22.59
	8H	16.61	17.08	17.59	18.07	19.36	19.93	20.40	20.91	21.39	22.67
	12H	16.58	17.01	17.58	18.01	19.30	19.99	20.41	20.99	21.42	22.71
8H	4H	16.94	17.41	17.92	18.40	19.69	19.57	20.04	20.55	21.03	22.32
	6H	17.20	17.59	18.21	18.62	19.91	20.01	20.40	21.02	21.43	22.72
	8H	17.25	17.59	18.26	18.61	19.91	20.17	20.51	21.19	21.53	22.83
	12H	17.23	17.53	18.25	18.55	19.90	20.27	20.58	21.29	21.59	22.94
12H	4H	16.95	17.37	17.95	18.38	19.67	19.54	19.96	20.54	20.97	22.26
	6H	17.27	17.61	18.28	18.63	19.93	20.01	20.35	21.03	21.37	22.68
	8H	17.33	17.64	18.35	18.65	20.00	20.18	20.48	21.20	21.49	22.84