

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: P935292

Luminaire Tested: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935292
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

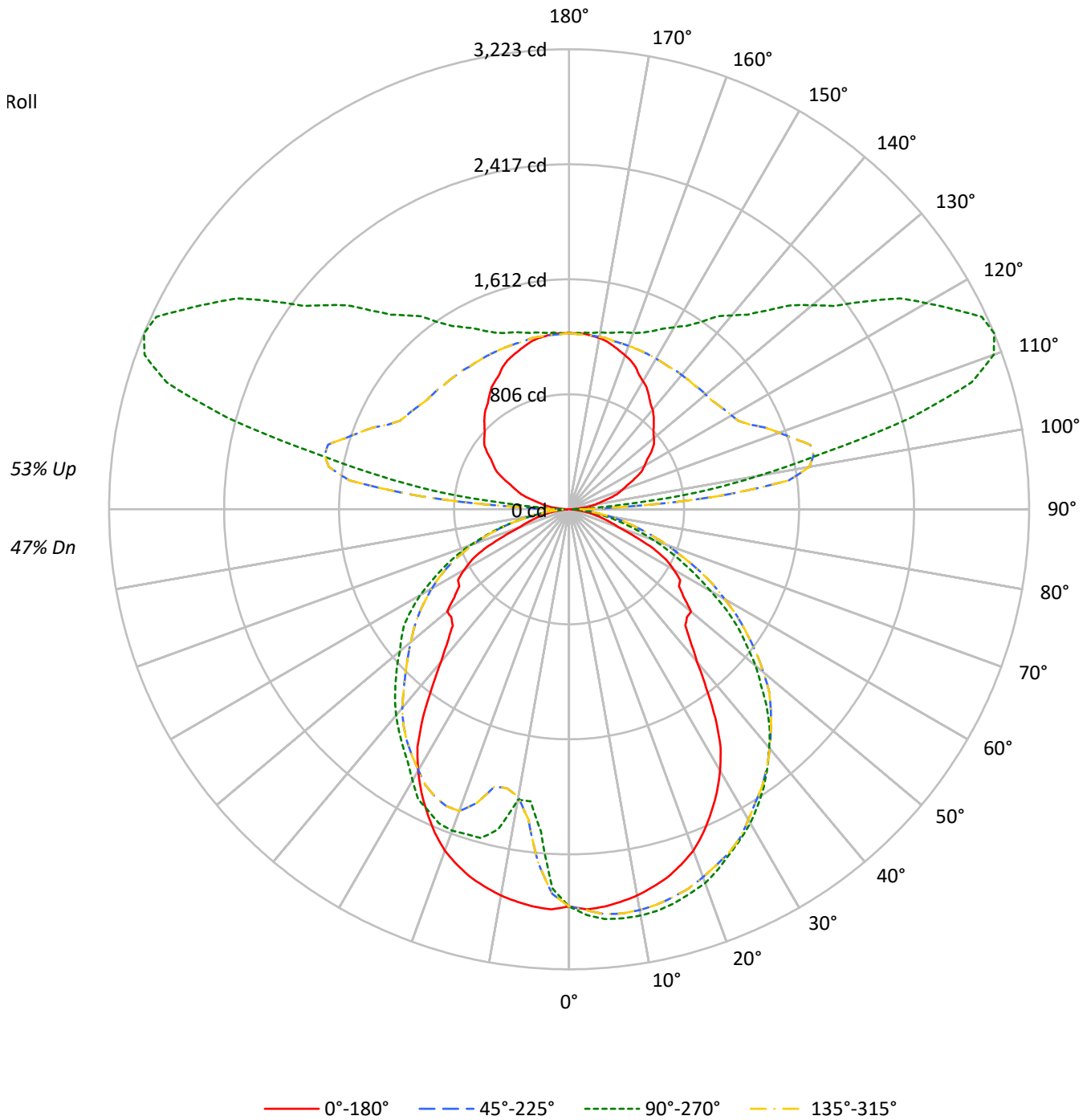
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15220.9 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 116
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P935292
CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P935292

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12907	12907	12907	12907
5°	13004	13029	13004	10245
10°	12916	12834	12916	9175
15°	12776	12556	12776	10485
20°	12509	12227	12509	10507
25°	11962	11746	11962	10284
30°	11255	11348	11255	9795
35°	10034	10843	10034	9258
40°	8361	10249	8361	8852
45°	7471	9554	7471	8385
50°	7936	8725	7936	7917
55°	7467	7831	7467	7646
60°	7697	6651	7697	7003
65°	6978	5498	6978	6146
70°	4832	4382	4832	5151
75°	4237	3239	4237	3879
80°	3416	2141	3416	2332
85°	1961	1134	1961	963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11450 cd/sqm



TEST NUMBER: P935292

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.1	1.6
10°-20°	713.0	4.7
20°-30°	1102.2	7.2
30°-40°	1315.7	8.6
40°-50°	1323.5	8.7
50°-60°	1151.6	7.6
60°-70°	816.5	5.4
70°-80°	432.0	2.8
80°-90°	112.3	0.7
90°-100°	601.8	4.0
100°-110°	1582.1	10.4
110°-120°	1640.5	10.8
120°-130°	1315.9	8.6
130°-140°	1032.5	6.8
140°-150°	792.5	5.2
150°-160°	570.7	3.7
160°-170°	349.2	2.3
170°-180°	118.0	0.8
0°-30°	2066.3	13.6
0°-40°	3382.0	22.2
0°-60°	5857.0	38.5
0°-90°	7217.7	47.4
90°-120°	3824.4	25.1
90°-150°	6965.3	45.8
90°-180°	8003.0	52.6
0°-180°	15220.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2782	2782	2782	2782	2782	
5°	2795	2882	2795	2266	2795	265
15°	2669	2856	2669	2384	2669	751
25°	2350	2664	2350	2332	2350	1079
35°	1787	2377	1787	2029	1787	1106
45°	1153	1958	1153	1719	1153	923
55°	940	1445	940	1411	940	863
65°	653	871	653	974	653	624
75°	247	413	247	495	247	260
85°	42	105	42	89	42	57
90°	8	32	8	32	8	9
95°	80	364	80	364	80	88
105°	285	2477	285	2477	285	302
115°	506	3190	506	3190	506	500
125°	704	2540	704	2540	704	625
135°	839	1971	839	1971	839	649
145°	974	1599	974	1599	974	610
155°	1100	1377	1100	1377	1100	506
165°	1187	1283	1187	1283	1187	335
175°	1234	1243	1234	1243	1234	117
180°	1234	1234	1234	1234	1234	



TEST NUMBER: P935292

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2805.6	2805.6	2821.4	2826.6	2826.6	2818.8	2810.9	2818.8	2842.5	2850.4	2847.8
5°	2795.1	2816.1	2845.1	2850.4	2855.6	2852.9	2847.8	2852.9	2879.3	2884.6	2887.2
7.5°	2774.1	2813.5	2850.4	2858.2	2866.2	2858.2	2855.6	2860.9	2887.2	2892.5	2892.5
10°	2747.7	2802.9	2845.1	2850.4	2858.2	2850.4	2850.4	2860.9	2887.2	2892.5	2895.1
12.5°	2710.8	2787.2	2826.6	2831.9	2842.5	2839.8	2837.2	2847.8	2874.1	2879.3	2879.3
15°	2668.8	2758.2	2795.1	2800.4	2818.8	2813.5	2813.5	2824.1	2852.9	2860.9	2858.2
17.5°	2610.8	2721.4	2763.5	2771.4	2784.5	2781.9	2784.5	2795.1	2821.4	2826.6	2829.3
20°	2545.1	2671.4	2721.4	2729.2	2742.5	2742.5	2742.5	2755.6	2781.9	2792.5	2792.5
22.5°	2455.5	2618.8	2671.4	2676.7	2692.4	2692.4	2697.7	2716.1	2739.8	2742.5	2742.5
25°	2350.3	2560.8	2605.5	2621.4	2637.2	2645.1	2652.9	2663.5	2671.4	2668.8	2671.4
27.5°	2239.7	2487.1	2545.1	2555.5	2576.7	2584.5	2595.1	2597.7	2600.4	2608.2	2602.9
30°	2116.0	2384.5	2471.4	2481.9	2516.1	2521.4	2510.8	2516.1	2529.2	2534.5	2539.8
32.5°	1976.6	2231.8	2395.1	2418.7	2450.3	2434.5	2431.8	2439.8	2460.8	2460.8	2466.1
35°	1787.0	2113.4	2324.0	2345.0	2368.7	2350.3	2360.8	2363.4	2376.7	2384.5	2381.8
37.5°	1579.2	2010.7	2250.3	2266.1	2284.5	2260.8	2276.6	2284.5	2295.0	2289.8	2289.8
40°	1394.9	1850.3	2163.4	2174.0	2189.7	2171.3	2187.1	2192.4	2197.7	2192.4	2189.7
42.5°	1258.0	1673.9	2071.3	2084.4	2074.0	2087.1	2092.4	2102.9	2095.0	2084.4	2084.4
45°	1152.8	1626.5	1971.3	1987.1	1971.3	1992.4	2000.3	2000.3	1976.6	1971.3	1968.7
47.5°	1118.6	1531.7	1871.3	1871.3	1863.4	1889.7	1902.9	1884.4	1860.7	1852.9	1852.9
50°	1115.9	1426.5	1734.4	1723.9	1760.7	1792.3	1779.2	1760.7	1742.3	1713.3	1713.3
52.5°	1013.3	1297.5	1558.0	1597.6	1655.5	1673.9	1652.9	1634.4	1602.9	1589.7	1579.2
55°	939.6	1163.3	1397.6	1476.5	1537.0	1560.7	1521.2	1502.9	1455.5	1447.6	1442.3
57.5°	923.8	968.5	1250.2	1350.2	1423.9	1421.2	1397.6	1363.3	1323.9	1315.9	1313.3
60°	847.5	700.1	1092.2	1210.6	1287.0	1279.1	1258.0	1226.5	1189.6	1184.3	1179.1
62.5°	768.5	508.0	913.2	1047.5	1155.4	1152.8	1134.3	1086.9	1060.6	1047.5	1036.9
65°	652.7	426.4	650.1	871.2	1026.5	1031.7	992.2	958.1	929.1	913.2	910.6
67.5°	497.4	347.4	439.5	726.4	902.8	897.5	847.5	831.7	794.8	786.9	771.1
70°	368.4	231.6	305.3	589.5	781.7	768.5	729.1	710.6	676.4	658.0	647.4
72.5°	305.3	186.8	223.7	458.0	658.0	642.2	608.0	586.9	558.0	542.1	531.7
75°	247.4	197.4	171.1	339.5	534.3	523.8	492.1	471.1	447.4	426.4	429.0
77.5°	181.6	184.3	136.9	250.0	423.7	408.0	389.5	363.2	352.7	331.7	331.7
80°	136.9	144.7	102.7	171.1	305.3	305.3	289.5	271.1	252.7	242.1	242.1
82.5°	92.1	92.1	76.3	107.9	208.0	200.0	189.5	184.3	173.7	168.4	168.4
85°	42.1	52.6	47.4	65.8	113.1	118.4	118.4	113.1	110.6	105.3	107.9
87.5°	13.1	23.7	29.0	36.9	57.9	60.6	63.1	63.1	63.1	65.8	65.8
90°	8.3	14.9	21.5	23.2	36.5	54.1	62.9	56.0	41.9	31.5	31.5
92.5°	33.2	89.5	145.9	160.0	224.8	311.3	354.6	310.8	223.2	157.5	151.2
95°	79.6	182.7	285.8	311.5	553.2	875.4	1036.5	925.0	701.8	534.5	515.5
97.5°	137.5	228.5	319.5	342.2	745.2	1282.4	1551.1	1480.6	1339.5	1233.7	1197.7
100°	182.3	264.7	347.3	367.9	815.0	1411.2	1709.3	1714.5	1724.8	1732.5	1689.5
102.5°	220.4	297.3	374.3	393.5	847.0	1451.7	1754.1	1843.9	2023.7	2158.4	2121.6
105°	285.1	350.2	415.3	431.7	870.8	1456.4	1749.1	1950.5	2353.3	2655.5	2635.7
107.5°	351.3	412.0	472.8	488.0	875.3	1391.5	1649.7	1930.6	2492.6	2914.0	2918.8
110°	396.0	450.9	505.8	519.5	868.6	1334.0	1566.8	1880.9	2509.1	2980.3	3000.9



TEST NUMBER: P935292

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	439.9	492.2	544.6	557.7	868.9	1283.9	1491.4	1812.9	2455.8	2938.1	2969.8
115°	506.3	554.5	602.8	614.8	876.9	1226.4	1401.1	1710.8	2330.2	2794.8	2838.7
117.5°	571.7	615.5	659.4	670.3	893.2	1190.3	1338.9	1618.4	2177.5	2596.7	2645.4
120°	609.9	651.1	692.3	702.6	906.5	1178.3	1314.1	1569.5	2080.2	2463.3	2510.6
122.5°	647.1	688.7	730.4	740.7	925.5	1171.8	1295.0	1525.0	1984.9	2329.9	2376.7
125°	704.3	742.2	780.2	789.6	951.2	1166.6	1274.3	1469.7	1860.4	2153.5	2196.5
127.5°	750.7	788.9	827.3	836.8	976.9	1163.6	1257.0	1424.7	1760.1	2011.7	2048.0
130°	775.5	816.7	858.0	868.3	995.6	1165.4	1250.3	1399.6	1698.3	1922.3	1955.7
132.5°	801.2	842.4	883.7	894.0	1010.8	1166.6	1244.5	1378.2	1645.5	1846.0	1876.0
135°	839.3	876.9	914.5	923.9	1027.5	1165.5	1234.5	1346.5	1570.4	1738.3	1764.2
137.5°	878.3	915.4	952.7	961.9	1052.3	1172.7	1232.8	1327.5	1516.8	1658.7	1680.0
140°	910.5	944.8	979.1	987.6	1067.4	1173.9	1227.1	1308.8	1472.4	1595.0	1614.8
142.5°	935.4	967.1	998.8	1006.7	1080.2	1178.1	1227.1	1298.9	1442.5	1550.3	1567.3
145°	973.6	1001.2	1028.9	1035.7	1096.8	1178.2	1218.8	1277.6	1395.0	1483.1	1496.0
147.5°	1011.6	1038.5	1065.4	1072.2	1121.1	1186.2	1218.8	1265.0	1357.4	1426.8	1437.4
150°	1036.5	1060.8	1085.1	1091.2	1133.7	1190.4	1218.8	1257.8	1335.9	1394.5	1403.2
152.5°	1062.2	1080.7	1099.1	1103.7	1142.0	1193.2	1218.8	1252.2	1318.8	1368.8	1375.4
155°	1100.3	1113.9	1127.6	1131.0	1160.2	1199.3	1218.8	1245.3	1298.4	1338.1	1342.4
157.5°	1128.5	1141.7	1155.1	1158.3	1178.5	1205.4	1218.8	1239.4	1280.7	1311.6	1314.6
160°	1147.6	1157.9	1168.2	1170.8	1186.8	1208.1	1218.8	1236.5	1271.9	1298.4	1300.2
162.5°	1166.6	1174.4	1182.2	1184.0	1195.6	1211.0	1218.8	1233.7	1263.5	1285.9	1287.6
165°	1187.3	1194.3	1201.3	1203.1	1208.3	1215.3	1218.8	1229.5	1250.9	1266.9	1268.7
167.5°	1206.4	1209.6	1213.0	1213.8	1218.2	1224.1	1227.1	1234.0	1248.1	1258.5	1259.2
170°	1218.8	1222.1	1225.5	1226.3	1226.6	1226.9	1227.1	1234.0	1248.1	1258.5	1258.5
172.5°	1225.5	1226.2	1226.9	1227.1	1227.1	1227.1	1227.1	1232.6	1243.7	1252.0	1251.4
175°	1234.5	1234.5	1234.5	1234.5	1232.1	1228.8	1227.1	1230.6	1237.5	1242.8	1242.8
177.5°	1234.5	1234.5	1234.5	1234.5	1232.6	1230.1	1228.8	1231.6	1237.0	1241.2	1240.5
180°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5



TEST NUMBER: P935292

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2852.9	2845.1	2852.9	2847.8	2850.4	2842.5	2818.8	2810.9	2818.8	2826.6	2826.6
5°	2887.2	2881.9	2887.2	2887.2	2884.6	2879.3	2852.9	2847.8	2852.9	2855.6	2850.4
7.5°	2897.8	2889.8	2897.8	2892.5	2892.5	2887.2	2860.9	2855.6	2858.2	2866.2	2858.2
10°	2897.8	2889.8	2897.8	2895.1	2892.5	2887.2	2860.9	2850.4	2850.4	2858.2	2850.4
12.5°	2884.6	2879.3	2884.6	2879.3	2879.3	2874.1	2847.8	2837.2	2839.8	2842.5	2831.9
15°	2863.5	2855.6	2863.5	2858.2	2860.9	2852.9	2824.1	2813.5	2813.5	2818.8	2800.4
17.5°	2831.9	2821.4	2831.9	2829.3	2826.6	2821.4	2795.1	2784.5	2781.9	2784.5	2771.4
20°	2795.1	2787.2	2795.1	2792.5	2792.5	2781.9	2755.6	2742.5	2742.5	2742.5	2729.2
22.5°	2737.2	2729.2	2737.2	2742.5	2742.5	2739.8	2716.1	2697.7	2692.4	2692.4	2676.7
25°	2671.4	2663.5	2671.4	2671.4	2668.8	2671.4	2663.5	2652.9	2645.1	2637.2	2621.4
27.5°	2608.2	2602.9	2608.2	2602.9	2608.2	2600.4	2597.7	2595.1	2584.5	2576.7	2555.5
30°	2545.1	2539.8	2545.1	2539.8	2534.5	2529.2	2516.1	2510.8	2521.4	2516.1	2481.9
32.5°	2466.1	2460.8	2466.1	2466.1	2460.8	2460.8	2439.8	2431.8	2434.5	2450.3	2418.7
35°	2384.5	2376.7	2384.5	2381.8	2384.5	2376.7	2363.4	2360.8	2350.3	2368.7	2345.0
37.5°	2289.8	2281.8	2289.8	2289.8	2289.8	2295.0	2284.5	2276.6	2260.8	2284.5	2266.1
40°	2192.4	2181.8	2192.4	2189.7	2192.4	2197.7	2192.4	2187.1	2171.3	2189.7	2174.0
42.5°	2081.8	2079.2	2081.8	2084.4	2084.4	2095.0	2102.9	2092.4	2087.1	2074.0	2084.4
45°	1963.4	1958.1	1963.4	1968.7	1971.3	1976.6	2000.3	2000.3	1992.4	1971.3	1987.1
47.5°	1837.0	1823.9	1837.0	1852.9	1852.9	1860.7	1884.4	1902.9	1889.7	1863.4	1871.3
50°	1702.9	1705.5	1702.9	1713.3	1713.3	1742.3	1760.7	1779.2	1792.3	1760.7	1723.9
52.5°	1571.3	1568.6	1571.3	1579.2	1589.7	1602.9	1634.4	1652.9	1673.9	1655.5	1597.6
55°	1439.6	1444.9	1439.6	1442.3	1447.6	1455.5	1502.9	1521.2	1560.7	1537.0	1476.5
57.5°	1308.0	1300.2	1308.0	1313.3	1315.9	1323.9	1363.3	1397.6	1421.2	1423.9	1350.2
60°	1155.4	1144.9	1155.4	1179.1	1184.3	1189.6	1226.5	1258.0	1279.1	1287.0	1210.6
62.5°	1021.2	1002.8	1021.2	1036.9	1047.5	1060.6	1086.9	1134.3	1152.8	1155.4	1047.5
65°	879.1	871.2	879.1	910.6	913.2	929.1	958.1	992.2	1031.7	1026.5	871.2
67.5°	750.1	750.1	750.1	771.1	786.9	794.8	831.7	847.5	897.5	902.8	726.4
70°	631.7	629.1	631.7	647.4	658.0	676.4	710.6	729.1	768.5	781.7	589.5
72.5°	518.5	515.8	518.5	531.7	542.1	558.0	586.9	608.0	642.2	658.0	458.0
75°	418.5	413.2	418.5	429.0	426.4	447.4	471.1	492.1	523.8	534.3	339.5
77.5°	321.1	321.1	321.1	331.7	331.7	352.7	363.2	389.5	408.0	423.7	250.0
80°	239.5	236.8	239.5	242.1	242.1	252.7	271.1	289.5	305.3	305.3	171.1
82.5°	168.4	163.1	168.4	168.4	168.4	173.7	184.3	189.5	200.0	208.0	107.9
85°	105.3	105.3	105.3	107.9	105.3	110.6	113.1	118.4	118.4	113.1	65.8
87.5°	68.4	65.8	68.4	65.8	65.8	63.1	63.1	63.1	60.6	57.9	36.9
90°	31.5	31.5	31.5	31.5	31.5	41.9	56.0	62.9	54.1	36.5	23.2
92.5°	126.2	101.1	126.2	151.2	157.5	223.2	310.8	354.6	311.3	224.8	160.0
95°	439.6	363.7	439.6	515.5	534.5	701.8	925.0	1036.5	875.4	553.2	311.5
97.5°	1053.3	908.9	1053.3	1197.7	1233.7	1339.5	1480.6	1551.1	1282.4	745.2	342.2
100°	1517.6	1345.6	1517.6	1689.5	1732.5	1724.8	1714.5	1709.3	1411.2	815.0	367.9
102.5°	1974.3	1827.0	1974.3	2121.6	2158.4	2023.7	1843.9	1754.1	1451.7	847.0	393.5
105°	2556.5	2477.4	2556.5	2635.7	2655.5	2353.3	1950.5	1749.1	1456.4	870.8	431.7
107.5°	2938.0	2957.1	2938.0	2918.8	2914.0	2492.6	1930.6	1649.7	1391.5	875.3	488.0
110°	3083.4	3165.9	3083.4	3000.9	2980.3	2509.1	1880.9	1566.8	1334.0	868.6	519.5



TEST NUMBER: P935292

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3096.4	3223.1	3096.4	2969.8	2938.1	2455.8	1812.9	1491.4	1283.9	868.9	557.7
115°	3014.3	3190.0	3014.3	2838.7	2794.8	2330.2	1710.8	1401.1	1226.4	876.9	614.8
117.5°	2840.2	3035.0	2840.2	2645.4	2596.7	2177.5	1618.4	1338.9	1190.3	893.2	670.3
120°	2700.0	2889.2	2700.0	2510.6	2463.3	2080.2	1569.5	1314.1	1178.3	906.5	702.6
122.5°	2563.3	2750.0	2563.3	2376.7	2329.9	1984.9	1525.0	1295.0	1171.8	925.5	740.7
125°	2368.4	2540.4	2368.4	2196.5	2153.5	1860.4	1469.7	1274.3	1166.6	951.2	789.6
127.5°	2193.1	2338.2	2193.1	2048.0	2011.7	1760.1	1424.7	1257.0	1163.6	976.9	836.8
130°	2089.8	2223.9	2089.8	1955.7	1922.3	1698.3	1399.6	1250.3	1165.4	995.6	868.3
132.5°	1996.1	2116.1	1996.1	1876.0	1846.0	1645.5	1378.2	1244.5	1166.6	1010.8	894.0
135°	1867.7	1971.2	1867.7	1764.2	1738.3	1570.4	1346.5	1234.5	1165.5	1027.5	923.9
137.5°	1764.6	1849.4	1764.6	1680.0	1658.7	1516.8	1327.5	1232.8	1172.7	1052.3	961.9
140°	1693.9	1773.1	1693.9	1614.8	1595.0	1472.4	1308.8	1227.1	1173.9	1067.4	987.6
142.5°	1635.4	1703.6	1635.4	1567.3	1550.3	1442.5	1298.9	1227.1	1178.1	1080.2	1006.7
145°	1547.6	1599.1	1547.6	1496.0	1483.1	1395.0	1277.6	1218.8	1178.2	1096.8	1035.7
147.5°	1480.2	1522.9	1480.2	1437.4	1426.8	1357.4	1265.0	1218.8	1186.2	1121.1	1072.2
150°	1437.7	1472.4	1437.7	1403.2	1394.5	1335.9	1257.8	1218.8	1190.4	1133.7	1091.2
152.5°	1401.5	1427.6	1401.5	1375.4	1368.8	1318.8	1252.2	1218.8	1193.2	1142.0	1103.7
155°	1359.7	1377.1	1359.7	1342.4	1338.1	1298.4	1245.3	1218.8	1199.3	1160.2	1131.0
157.5°	1326.8	1338.9	1326.8	1314.6	1311.6	1280.7	1239.4	1218.8	1205.4	1178.5	1158.3
160°	1307.2	1314.1	1307.2	1300.2	1298.4	1271.9	1236.5	1218.8	1208.1	1186.8	1170.8
162.5°	1294.2	1300.9	1294.2	1287.6	1285.9	1263.5	1233.7	1218.8	1211.0	1195.6	1184.0
165°	1275.7	1282.6	1275.7	1268.7	1266.9	1250.9	1229.5	1218.8	1215.3	1208.3	1203.1
167.5°	1262.2	1265.2	1262.2	1259.2	1258.5	1248.1	1234.0	1227.1	1224.1	1218.2	1213.8
170°	1258.5	1258.5	1258.5	1258.5	1258.5	1248.1	1234.0	1227.1	1226.9	1226.6	1226.3
172.5°	1248.8	1246.2	1248.8	1251.4	1252.0	1243.7	1232.6	1227.1	1227.1	1227.1	1227.1
175°	1242.8	1242.8	1242.8	1242.8	1242.8	1237.5	1230.6	1227.1	1228.8	1232.1	1234.5
177.5°	1237.5	1234.5	1237.5	1240.5	1241.2	1237.0	1231.6	1228.8	1230.1	1232.6	1234.5
180°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5



TEST NUMBER: P935292

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2821.4	2805.6	2805.6	2779.3	2768.8	2760.9	2747.7	2708.2	2697.7	2687.2	2702.9
5°	2845.1	2816.1	2795.1	2747.7	2708.2	2692.4	2642.4	2547.7	2484.5	2437.1	2410.8
7.5°	2850.4	2813.5	2774.1	2700.4	2605.5	2563.5	2410.8	2237.1	2189.7	2147.7	2121.3
10°	2845.1	2802.9	2747.7	2637.2	2413.4	2339.8	2187.1	2074.0	2045.0	2037.1	2045.0
12.5°	2826.6	2787.2	2710.8	2526.7	2213.4	2163.4	2074.0	2008.1	2002.9	2016.0	2087.1
15°	2795.1	2758.2	2668.8	2379.2	2102.9	2066.0	2002.9	1979.2	2008.1	2100.3	2313.4
17.5°	2763.5	2721.4	2610.8	2234.5	2018.7	1992.4	1947.6	1995.0	2158.1	2281.8	2353.0
20°	2721.4	2671.4	2545.1	2129.2	1958.1	1934.4	1913.4	2126.6	2250.3	2295.0	2334.5
22.5°	2671.4	2618.8	2455.5	2055.5	1895.0	1876.6	1889.7	2200.3	2250.3	2281.8	2316.1
25°	2605.5	2560.8	2350.3	1997.6	1845.0	1823.9	1873.9	2192.4	2221.3	2229.2	2297.7
27.5°	2545.1	2487.1	2239.7	1945.0	1784.4	1776.6	1887.1	2158.1	2179.2	2187.1	2260.8
30°	2471.4	2384.5	2116.0	1889.7	1721.3	1718.6	1889.7	2116.0	2110.8	2131.8	2205.5
32.5°	2395.1	2231.8	1976.6	1821.3	1660.7	1658.1	1871.3	2052.9	2047.6	2076.6	2131.8
35°	2324.0	2113.4	1787.0	1742.3	1584.4	1587.0	1826.6	1979.2	1981.8	2008.1	2042.4
37.5°	2250.3	2010.7	1579.2	1655.5	1510.7	1510.7	1766.0	1910.7	1905.5	1913.4	1960.7
40°	2163.4	1850.3	1394.9	1542.3	1442.3	1434.3	1692.3	1837.0	1818.6	1816.0	1881.8
42.5°	2071.3	1673.9	1258.0	1392.3	1363.3	1352.8	1602.9	1747.6	1713.3	1721.3	1805.4
45°	1971.3	1626.5	1152.8	1176.5	1281.8	1273.9	1505.5	1644.9	1621.3	1642.3	1729.2
47.5°	1871.3	1531.7	1118.6	976.5	1194.9	1192.2	1397.6	1544.9	1531.7	1552.9	1644.9
50°	1734.4	1426.5	1115.9	836.9	1097.5	1108.0	1268.6	1447.6	1447.6	1466.0	1563.3
52.5°	1558.0	1297.5	1013.3	758.0	984.3	1015.9	1155.4	1363.3	1368.6	1387.0	1473.9
55°	1397.6	1163.3	939.6	697.5	850.1	918.5	1044.9	1276.5	1287.0	1305.5	1384.3
57.5°	1250.2	968.5	923.8	626.4	726.4	792.2	947.5	1192.2	1197.5	1213.3	1289.6
60°	1092.2	700.1	847.5	550.1	618.5	668.5	858.0	1092.2	1110.6	1121.2	1187.0
62.5°	913.2	508.0	768.5	497.4	565.8	576.4	784.4	997.5	1021.2	1029.1	1068.5
65°	650.1	426.4	652.7	452.7	510.5	513.2	705.4	900.1	921.2	934.3	963.2
67.5°	439.5	347.4	497.4	410.6	468.5	471.1	629.1	786.9	815.9	826.4	844.8
70°	305.3	231.6	368.4	365.8	421.1	426.4	547.4	684.3	710.6	718.5	729.1
72.5°	223.7	186.8	305.3	329.0	371.1	376.4	463.2	568.5	594.8	602.7	608.0
75°	171.1	197.4	247.4	286.8	315.8	318.4	379.0	463.2	481.7	486.9	489.5
77.5°	136.9	184.3	181.6	231.6	258.0	252.7	297.4	358.0	373.7	373.7	373.7
80°	102.7	144.7	136.9	165.8	189.5	184.3	213.1	255.3	260.6	265.8	263.1
82.5°	76.3	92.1	92.1	105.3	126.3	121.1	142.1	165.8	165.8	165.8	171.1
85°	47.4	52.6	42.1	55.3	71.0	68.4	79.0	89.4	92.1	92.1	86.9
87.5°	29.0	23.7	13.1	21.0	31.6	31.6	36.9	39.4	36.9	36.9	36.9
90°	21.5	14.9	8.3	14.9	21.5	23.2	36.5	54.1	62.9	56.0	41.9
92.5°	145.9	89.5	33.2	89.5	145.9	160.0	224.8	311.3	354.6	310.8	223.2
95°	285.8	182.7	79.6	182.7	285.8	311.5	553.2	875.4	1036.5	925.0	701.8
97.5°	319.5	228.5	137.5	228.5	319.5	342.2	745.2	1282.4	1551.1	1480.6	1339.5
100°	347.3	264.7	182.3	264.7	347.3	367.9	815.0	1411.2	1709.3	1714.5	1724.8
102.5°	374.3	297.3	220.4	297.3	374.3	393.5	847.0	1451.7	1754.1	1843.9	2023.7
105°	415.3	350.2	285.1	350.2	415.3	431.7	870.8	1456.4	1749.1	1950.5	2353.3
107.5°	472.8	412.0	351.3	412.0	472.8	488.0	875.3	1391.5	1649.7	1930.6	2492.6
110°	505.8	450.9	396.0	450.9	505.8	519.5	868.6	1334.0	1566.8	1880.9	2509.1



TEST NUMBER: P935292

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	544.6	492.2	439.9	492.2	544.6	557.7	868.9	1283.9	1491.4	1812.9	2455.8
115°	602.8	554.5	506.3	554.5	602.8	614.8	876.9	1226.4	1401.1	1710.8	2330.2
117.5°	659.4	615.5	571.7	615.5	659.4	670.3	893.2	1190.3	1338.9	1618.4	2177.5
120°	692.3	651.1	609.9	651.1	692.3	702.6	906.5	1178.3	1314.1	1569.5	2080.2
122.5°	730.4	688.7	647.1	688.7	730.4	740.7	925.5	1171.8	1295.0	1525.0	1984.9
125°	780.2	742.2	704.3	742.2	780.2	789.6	951.2	1166.6	1274.3	1469.7	1860.4
127.5°	827.3	788.9	750.7	788.9	827.3	836.8	976.9	1163.6	1257.0	1424.7	1760.1
130°	858.0	816.7	775.5	816.7	858.0	868.3	995.6	1165.4	1250.3	1399.6	1698.3
132.5°	883.7	842.4	801.2	842.4	883.7	894.0	1010.8	1166.6	1244.5	1378.2	1645.5
135°	914.5	876.9	839.3	876.9	914.5	923.9	1027.5	1165.5	1234.5	1346.5	1570.4
137.5°	952.7	915.4	878.3	915.4	952.7	961.9	1052.3	1172.7	1232.8	1327.5	1516.8
140°	979.1	944.8	910.5	944.8	979.1	987.6	1067.4	1173.9	1227.1	1308.8	1472.4
142.5°	998.8	967.1	935.4	967.1	998.8	1006.7	1080.2	1178.1	1227.1	1298.9	1442.5
145°	1028.9	1001.2	973.6	1001.2	1028.9	1035.7	1096.8	1178.2	1218.8	1277.6	1395.0
147.5°	1065.4	1038.5	1011.6	1038.5	1065.4	1072.2	1121.1	1186.2	1218.8	1265.0	1357.4
150°	1085.1	1060.8	1036.5	1060.8	1085.1	1091.2	1133.7	1190.4	1218.8	1257.8	1335.9
152.5°	1099.1	1080.7	1062.2	1080.7	1099.1	1103.7	1142.0	1193.2	1218.8	1252.2	1318.8
155°	1127.6	1113.9	1100.3	1113.9	1127.6	1131.0	1160.2	1199.3	1218.8	1245.3	1298.4
157.5°	1155.1	1141.7	1128.5	1141.7	1155.1	1158.3	1178.5	1205.4	1218.8	1239.4	1280.7
160°	1168.2	1157.9	1147.6	1157.9	1168.2	1170.8	1186.8	1208.1	1218.8	1236.5	1271.9
162.5°	1182.2	1174.4	1166.6	1174.4	1182.2	1184.0	1195.6	1211.0	1218.8	1233.7	1263.5
165°	1201.3	1194.3	1187.3	1194.3	1201.3	1203.1	1208.3	1215.3	1218.8	1229.5	1250.9
167.5°	1213.0	1209.6	1206.4	1209.6	1213.0	1213.8	1218.2	1224.1	1227.1	1234.0	1248.1
170°	1225.5	1222.1	1218.8	1222.1	1225.5	1226.3	1226.6	1226.9	1227.1	1234.0	1248.1
172.5°	1226.9	1226.2	1225.5	1226.2	1226.9	1227.1	1227.1	1227.1	1227.1	1232.6	1243.7
175°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1232.1	1228.8	1227.1	1230.6	1237.5
177.5°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1232.6	1230.1	1228.8	1231.6	1237.0
180°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5



TEST NUMBER: P935292

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2684.5	2676.7	2687.2	2658.2	2687.2	2676.7	2684.5	2702.9	2687.2	2697.7	2708.2
5°	2355.5	2342.4	2300.3	2266.1	2300.3	2342.4	2355.5	2410.8	2437.1	2484.5	2547.7
7.5°	2105.5	2095.0	2084.4	2063.4	2084.4	2095.0	2105.5	2121.3	2147.7	2189.7	2237.1
10°	2050.3	2052.9	2068.7	2066.0	2068.7	2052.9	2050.3	2045.0	2037.1	2045.0	2074.0
12.5°	2192.4	2216.1	2303.0	2297.7	2303.0	2216.1	2192.4	2087.1	2016.0	2002.9	2008.1
15°	2355.5	2363.4	2381.8	2384.5	2381.8	2363.4	2355.5	2313.4	2100.3	2008.1	1979.2
17.5°	2371.4	2374.0	2387.1	2387.1	2387.1	2374.0	2371.4	2353.0	2281.8	2158.1	1995.0
20°	2358.2	2363.4	2389.8	2395.1	2389.8	2363.4	2358.2	2334.5	2295.0	2250.3	2126.6
22.5°	2353.0	2363.4	2384.5	2381.8	2384.5	2363.4	2353.0	2316.1	2281.8	2250.3	2200.3
25°	2326.6	2326.6	2329.2	2331.8	2329.2	2326.6	2326.6	2297.7	2229.2	2221.3	2192.4
27.5°	2271.4	2276.6	2292.4	2289.8	2292.4	2276.6	2271.4	2260.8	2187.1	2179.2	2158.1
30°	2221.3	2216.1	2202.9	2192.4	2202.9	2216.1	2221.3	2205.5	2131.8	2110.8	2116.0
32.5°	2137.1	2124.0	2110.8	2102.9	2110.8	2124.0	2137.1	2131.8	2076.6	2047.6	2052.9
35°	2037.1	2039.7	2037.1	2029.2	2037.1	2039.7	2037.1	2042.4	2008.1	1981.8	1979.2
37.5°	1966.0	1971.3	1968.7	1958.1	1968.7	1971.3	1966.0	1960.7	1913.4	1905.5	1910.7
40°	1892.3	1895.0	1892.3	1884.4	1892.3	1895.0	1892.3	1881.8	1816.0	1818.6	1837.0
42.5°	1821.3	1818.6	1810.7	1805.4	1810.7	1818.6	1821.3	1805.4	1721.3	1713.3	1747.6
45°	1739.7	1742.3	1726.6	1718.6	1726.6	1742.3	1739.7	1729.2	1642.3	1621.3	1644.9
47.5°	1658.1	1658.1	1644.9	1637.0	1644.9	1658.1	1658.1	1644.9	1552.9	1531.7	1544.9
50°	1571.3	1568.6	1550.2	1547.6	1550.2	1568.6	1571.3	1563.3	1466.0	1447.6	1447.6
52.5°	1471.2	1471.2	1473.9	1479.2	1473.9	1471.2	1471.2	1473.9	1387.0	1368.6	1363.3
55°	1384.3	1387.0	1405.5	1410.7	1405.5	1387.0	1384.3	1384.3	1305.5	1287.0	1276.5
57.5°	1294.9	1294.9	1308.0	1308.0	1308.0	1294.9	1294.9	1289.6	1213.3	1197.5	1192.2
60°	1192.2	1197.5	1208.0	1205.5	1208.0	1197.5	1192.2	1187.0	1121.2	1110.6	1092.2
62.5°	1084.3	1089.6	1092.2	1086.9	1092.2	1089.6	1084.3	1068.5	1029.1	1021.2	997.5
65°	971.2	976.5	979.1	973.8	979.1	976.5	971.2	963.2	934.3	921.2	900.1
67.5°	855.4	852.8	850.1	860.6	850.1	852.8	855.4	844.8	826.4	815.9	786.9
70°	736.9	736.9	734.3	739.5	734.3	736.9	736.9	729.1	718.5	710.6	684.3
72.5°	610.6	608.0	618.5	610.6	618.5	608.0	610.6	608.0	602.7	594.8	568.5
75°	486.9	492.1	486.9	494.8	486.9	492.1	486.9	489.5	486.9	481.7	463.2
77.5°	371.1	376.4	371.1	371.1	371.1	376.4	371.1	373.7	373.7	373.7	358.0
80°	263.1	260.6	260.6	258.0	260.6	260.6	263.1	263.1	265.8	260.6	255.3
82.5°	168.4	165.8	165.8	171.1	165.8	165.8	168.4	171.1	165.8	165.8	165.8
85°	92.1	94.7	89.4	89.4	89.4	94.7	92.1	86.9	92.1	92.1	89.4
87.5°	34.3	31.6	31.6	31.6	31.6	31.6	34.3	36.9	36.9	36.9	39.4
90°	31.5	31.5	31.5	31.5	31.5	31.5	31.5	41.9	56.0	62.9	54.1
92.5°	157.5	151.2	126.2	101.1	126.2	151.2	157.5	223.2	310.8	354.6	311.3
95°	534.5	515.5	439.6	363.7	439.6	515.5	534.5	701.8	925.0	1036.5	875.4
97.5°	1233.7	1197.7	1053.3	908.9	1053.3	1197.7	1233.7	1339.5	1480.6	1551.1	1282.4
100°	1732.5	1689.5	1517.6	1345.6	1517.6	1689.5	1732.5	1724.8	1714.5	1709.3	1411.2
102.5°	2158.4	2121.6	1974.3	1827.0	1974.3	2121.6	2158.4	2023.7	1843.9	1754.1	1451.7
105°	2655.5	2635.7	2556.5	2477.4	2556.5	2635.7	2655.5	2353.3	1950.5	1749.1	1456.4
107.5°	2914.0	2918.8	2938.0	2957.1	2938.0	2918.8	2914.0	2492.6	1930.6	1649.7	1391.5
110°	2980.3	3000.9	3083.4	3165.9	3083.4	3000.9	2980.3	2509.1	1880.9	1566.8	1334.0



TEST NUMBER: P935292

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2938.1	2969.8	3096.4	3223.1	3096.4	2969.8	2938.1	2455.8	1812.9	1491.4	1283.9
115°	2794.8	2838.7	3014.3	3190.0	3014.3	2838.7	2794.8	2330.2	1710.8	1401.1	1226.4
117.5°	2596.7	2645.4	2840.2	3035.0	2840.2	2645.4	2596.7	2177.5	1618.4	1338.9	1190.3
120°	2463.3	2510.6	2700.0	2889.2	2700.0	2510.6	2463.3	2080.2	1569.5	1314.1	1178.3
122.5°	2329.9	2376.7	2563.3	2750.0	2563.3	2376.7	2329.9	1984.9	1525.0	1295.0	1171.8
125°	2153.5	2196.5	2368.4	2540.4	2368.4	2196.5	2153.5	1860.4	1469.7	1274.3	1166.6
127.5°	2011.7	2048.0	2193.1	2338.2	2193.1	2048.0	2011.7	1760.1	1424.7	1257.0	1163.6
130°	1922.3	1955.7	2089.8	2223.9	2089.8	1955.7	1922.3	1698.3	1399.6	1250.3	1165.4
132.5°	1846.0	1876.0	1996.1	2116.1	1996.1	1876.0	1846.0	1645.5	1378.2	1244.5	1166.6
135°	1738.3	1764.2	1867.7	1971.2	1867.7	1764.2	1738.3	1570.4	1346.5	1234.5	1165.5
137.5°	1658.7	1680.0	1764.6	1849.4	1764.6	1680.0	1658.7	1516.8	1327.5	1232.8	1172.7
140°	1595.0	1614.8	1693.9	1773.1	1693.9	1614.8	1595.0	1472.4	1308.8	1227.1	1173.9
142.5°	1550.3	1567.3	1635.4	1703.6	1635.4	1567.3	1550.3	1442.5	1298.9	1227.1	1178.1
145°	1483.1	1496.0	1547.6	1599.1	1547.6	1496.0	1483.1	1395.0	1277.6	1218.8	1178.2
147.5°	1426.8	1437.4	1480.2	1522.9	1480.2	1437.4	1426.8	1357.4	1265.0	1218.8	1186.2
150°	1394.5	1403.2	1437.7	1472.4	1437.7	1403.2	1394.5	1335.9	1257.8	1218.8	1190.4
152.5°	1368.8	1375.4	1401.5	1427.6	1401.5	1375.4	1368.8	1318.8	1252.2	1218.8	1193.2
155°	1338.1	1342.4	1359.7	1377.1	1359.7	1342.4	1338.1	1298.4	1245.3	1218.8	1199.3
157.5°	1311.6	1314.6	1326.8	1338.9	1326.8	1314.6	1311.6	1280.7	1239.4	1218.8	1205.4
160°	1298.4	1300.2	1307.2	1314.1	1307.2	1300.2	1298.4	1271.9	1236.5	1218.8	1208.1
162.5°	1285.9	1287.6	1294.2	1300.9	1294.2	1287.6	1285.9	1263.5	1233.7	1218.8	1211.0
165°	1266.9	1268.7	1275.7	1282.6	1275.7	1268.7	1266.9	1250.9	1229.5	1218.8	1215.3
167.5°	1258.5	1259.2	1262.2	1265.2	1262.2	1259.2	1258.5	1248.1	1234.0	1227.1	1224.1
170°	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1258.5	1248.1	1234.0	1227.1	1226.9
172.5°	1252.0	1251.4	1248.8	1246.2	1248.8	1251.4	1252.0	1243.7	1232.6	1227.1	1227.1
175°	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1242.8	1237.5	1230.6	1227.1	1228.8
177.5°	1241.2	1240.5	1237.5	1234.5	1237.5	1240.5	1241.2	1237.0	1231.6	1228.8	1230.1
180°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5



TEST NUMBER: P935292

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2747.7	2760.9	2768.8	2779.3	2805.6
5°	2642.4	2692.4	2708.2	2747.7	2795.1
7.5°	2410.8	2563.5	2605.5	2700.4	2774.1
10°	2187.1	2339.8	2413.4	2637.2	2747.7
12.5°	2074.0	2163.4	2213.4	2526.7	2710.8
15°	2002.9	2066.0	2102.9	2379.2	2668.8
17.5°	1947.6	1992.4	2018.7	2234.5	2610.8
20°	1913.4	1934.4	1958.1	2129.2	2545.1
22.5°	1889.7	1876.6	1895.0	2055.5	2455.5
25°	1873.9	1823.9	1845.0	1997.6	2350.3
27.5°	1887.1	1776.6	1784.4	1945.0	2239.7
30°	1889.7	1718.6	1721.3	1889.7	2116.0
32.5°	1871.3	1658.1	1660.7	1821.3	1976.6
35°	1826.6	1587.0	1584.4	1742.3	1787.0
37.5°	1766.0	1510.7	1510.7	1655.5	1579.2
40°	1692.3	1434.3	1442.3	1542.3	1394.9
42.5°	1602.9	1352.8	1363.3	1392.3	1258.0
45°	1505.5	1273.9	1281.8	1176.5	1152.8
47.5°	1397.6	1192.2	1194.9	976.5	1118.6
50°	1268.6	1108.0	1097.5	836.9	1115.9
52.5°	1155.4	1015.9	984.3	758.0	1013.3
55°	1044.9	918.5	850.1	697.5	939.6
57.5°	947.5	792.2	726.4	626.4	923.8
60°	858.0	668.5	618.5	550.1	847.5
62.5°	784.4	576.4	565.8	497.4	768.5
65°	705.4	513.2	510.5	452.7	652.7
67.5°	629.1	471.1	468.5	410.6	497.4
70°	547.4	426.4	421.1	365.8	368.4
72.5°	463.2	376.4	371.1	329.0	305.3
75°	379.0	318.4	315.8	286.8	247.4
77.5°	297.4	252.7	258.0	231.6	181.6
80°	213.1	184.3	189.5	165.8	136.9
82.5°	142.1	121.1	126.3	105.3	92.1
85°	79.0	68.4	71.0	55.3	42.1
87.5°	36.9	31.6	31.6	21.0	13.1
90°	36.5	23.2	21.5	14.9	8.3
92.5°	224.8	160.0	145.9	89.5	33.2
95°	553.2	311.5	285.8	182.7	79.6
97.5°	745.2	342.2	319.5	228.5	137.5
100°	815.0	367.9	347.3	264.7	182.3
102.5°	847.0	393.5	374.3	297.3	220.4
105°	870.8	431.7	415.3	350.2	285.1
107.5°	875.3	488.0	472.8	412.0	351.3
110°	868.6	519.5	505.8	450.9	396.0



TEST NUMBER: P935292

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	868.9	557.7	544.6	492.2	439.9
115°	876.9	614.8	602.8	554.5	506.3
117.5°	893.2	670.3	659.4	615.5	571.7
120°	906.5	702.6	692.3	651.1	609.9
122.5°	925.5	740.7	730.4	688.7	647.1
125°	951.2	789.6	780.2	742.2	704.3
127.5°	976.9	836.8	827.3	788.9	750.7
130°	995.6	868.3	858.0	816.7	775.5
132.5°	1010.8	894.0	883.7	842.4	801.2
135°	1027.5	923.9	914.5	876.9	839.3
137.5°	1052.3	961.9	952.7	915.4	878.3
140°	1067.4	987.6	979.1	944.8	910.5
142.5°	1080.2	1006.7	998.8	967.1	935.4
145°	1096.8	1035.7	1028.9	1001.2	973.6
147.5°	1121.1	1072.2	1065.4	1038.5	1011.6
150°	1133.7	1091.2	1085.1	1060.8	1036.5
152.5°	1142.0	1103.7	1099.1	1080.7	1062.2
155°	1160.2	1131.0	1127.6	1113.9	1100.3
157.5°	1178.5	1158.3	1155.1	1141.7	1128.5
160°	1186.8	1170.8	1168.2	1157.9	1147.6
162.5°	1195.6	1184.0	1182.2	1174.4	1166.6
165°	1208.3	1203.1	1201.3	1194.3	1187.3
167.5°	1218.2	1213.8	1213.0	1209.6	1206.4
170°	1226.6	1226.3	1225.5	1222.1	1218.8
172.5°	1227.1	1227.1	1226.9	1226.2	1225.5
175°	1232.1	1234.5	1234.5	1234.5	1234.5
177.5°	1232.6	1234.5	1234.5	1234.5	1234.5
180°	1234.5	1234.5	1234.5	1234.5	1234.5



TEST NUMBER: P935292
 CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-2700K

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	13.45	14.29	14.43	15.28	16.59	16.29	17.13	17.27	18.12	19.43
	3H	13.93	14.68	14.92	15.68	17.01	17.63	18.39	18.62	19.39	20.72
	4H	14.12	14.83	15.12	15.83	17.17	18.08	18.79	19.08	19.79	21.13
	6H	14.23	14.89	15.25	15.90	17.25	18.36	19.02	19.38	20.03	21.38
	8H	14.23	14.86	15.25	15.88	17.23	18.44	19.06	19.46	20.09	21.43
	12H	14.20	14.80	15.23	15.82	17.19	18.48	19.07	19.50	20.09	21.46
4H	2H	14.48	15.19	15.49	16.20	17.54	16.69	17.41	17.70	18.41	19.75
	3H	15.51	16.10	16.53	17.13	18.48	18.20	18.79	19.22	19.83	21.18
	4H	15.78	16.32	16.81	17.35	18.72	18.73	19.27	19.75	20.30	21.67
	6H	15.91	16.37	16.94	17.42	18.79	19.09	19.56	20.13	20.61	21.98
	8H	15.91	16.35	16.95	17.39	18.77	19.20	19.64	20.24	20.68	22.06
	12H	15.88	16.27	16.93	17.33	18.72	19.26	19.65	20.32	20.71	22.10
8H	4H	16.24	16.67	17.27	17.71	19.10	18.85	19.29	19.89	20.33	21.71
	6H	16.50	16.86	17.56	17.94	19.32	19.29	19.65	20.35	20.73	22.12
	8H	16.54	16.85	17.61	17.92	19.32	19.44	19.76	20.51	20.83	22.23
	12H	16.52	16.80	17.59	17.86	19.31	19.54	19.82	20.61	20.88	22.33
12H	4H	16.24	16.63	17.30	17.69	19.08	18.81	19.21	19.87	20.26	21.66
	6H	16.56	16.87	17.63	17.94	19.34	19.29	19.60	20.35	20.67	22.07
	8H	16.62	16.90	17.70	17.96	19.41	19.45	19.73	20.52	20.79	22.23