

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: P935294

Luminaire Tested: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

**Test Information**

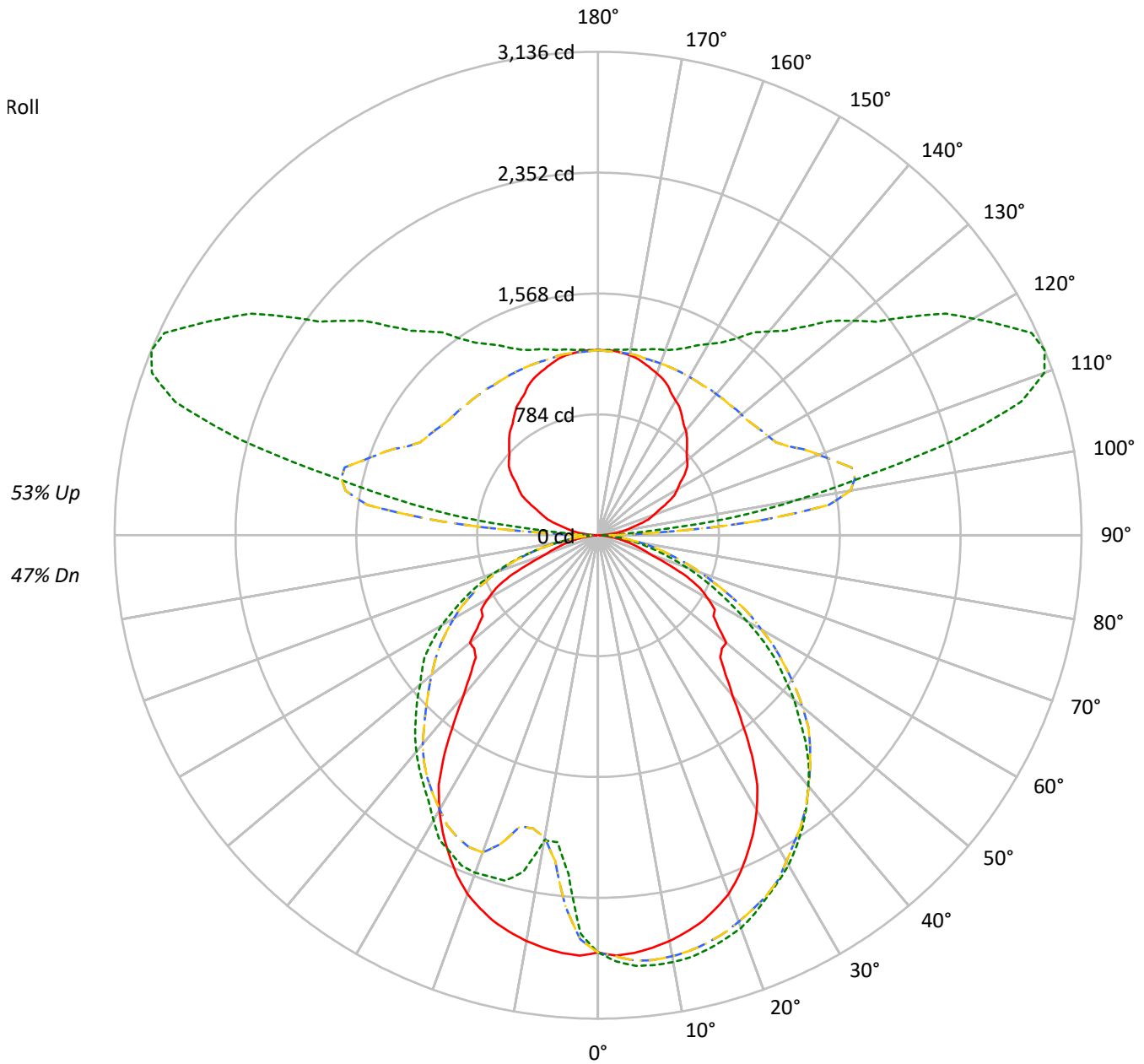
Test Method: LM-79-2019  
Report Number: P935294  
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14808.3 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 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

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    ··· 90°-270°    - · 135°-315°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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

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

	0°	90°	180°	270°
0°	12557	12557	12557	12557
5°	12651	12676	12651	9967
10°	12566	12486	12566	8927
15°	12430	12216	12430	10201
20°	12170	11895	12170	10222
25°	11637	11428	11637	10005
30°	10950	11040	10950	9530
35°	9762	10549	9762	9007
40°	8134	9971	8134	8612
45°	7268	9295	7268	8158
50°	7722	8488	7722	7702
55°	7265	7619	7265	7439
60°	7489	6471	7489	6813
65°	6789	5349	6789	5979
70°	4700	4263	4700	5012
75°	4122	3151	4122	3773
80°	3321	2083	3321	2269
85°	1910	1103	1910	937

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11139 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.3	1.6
10°-20°	693.7	4.7
20°-30°	1072.3	7.2
30°-40°	1280.1	8.6
40°-50°	1287.6	8.7
50°-60°	1120.3	7.6
60°-70°	794.3	5.4
70°-80°	420.3	2.8
80°-90°	109.2	0.7
90°-100°	585.5	4.0
100°-110°	1539.2	10.4
110°-120°	1596.0	10.8
120°-130°	1280.2	8.6
130°-140°	1004.5	6.8
140°-150°	771.0	5.2
150°-160°	555.2	3.7
160°-170°	339.7	2.3
170°-180°	114.8	0.8
0°-30°	2010.3	13.6
0°-40°	3290.3	22.2
0°-60°	5698.2	38.5
0°-90°	7022.1	47.4
90°-120°	3720.7	25.1
90°-150°	6776.4	45.8
90°-180°	7786.0	52.6
0°-180°	14808.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2706	2706	2706	2706	2706	
5°	2719	2804	2719	2205	2719	258
15°	2596	2778	2596	2320	2596	731
25°	2286	2591	2286	2269	2286	1050
35°	1739	2312	1739	1974	1739	1076
45°	1122	1905	1122	1672	1122	898
55°	914	1406	914	1372	914	840
65°	635	848	635	947	635	607
75°	241	402	241	481	241	253
85°	41	102	41	87	41	55
90°	8	31	8	31	8	8
95°	77	354	77	354	77	86
105°	277	2410	277	2410	277	294
115°	492	3104	492	3104	492	486
125°	685	2472	685	2472	685	608
135°	817	1918	817	1918	817	632
145°	947	1556	947	1556	947	593
155°	1070	1340	1070	1340	1070	492
165°	1155	1248	1155	1248	1155	326
175°	1201	1209	1201	1209	1201	114
180°	1201	1201	1201	1201	1201	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5
2.5°	2729.6	2729.6	2744.9	2750.0	2750.0	2742.4	2734.7	2742.4	2765.4	2773.1	2770.6
5°	2719.3	2739.8	2767.9	2773.1	2778.2	2775.6	2770.6	2775.6	2801.3	2806.4	2808.9
7.5°	2698.9	2737.2	2773.1	2780.7	2788.5	2780.7	2778.2	2783.4	2808.9	2814.1	2814.1
10°	2673.2	2727.0	2767.9	2773.1	2780.7	2773.1	2773.1	2783.4	2808.9	2814.1	2816.6
12.5°	2637.3	2711.6	2750.0	2755.2	2765.4	2762.8	2760.3	2770.6	2796.1	2801.3	2801.3
15°	2596.4	2683.5	2719.3	2724.4	2742.4	2737.2	2737.2	2747.5	2775.6	2783.4	2780.7
17.5°	2540.0	2647.6	2688.6	2696.2	2709.0	2706.5	2709.0	2719.3	2744.9	2750.0	2752.6
20°	2476.1	2599.0	2647.6	2655.3	2668.1	2668.1	2668.1	2680.9	2706.5	2716.8	2716.8
22.5°	2389.0	2547.8	2599.0	2604.1	2619.4	2619.4	2624.5	2642.5	2665.5	2668.1	2668.1
25°	2286.5	2491.4	2534.9	2550.3	2565.7	2573.4	2581.0	2591.3	2599.0	2596.4	2599.0
27.5°	2179.0	2419.7	2476.1	2486.3	2506.8	2514.5	2524.7	2527.2	2529.9	2537.5	2532.4
30°	2058.6	2319.9	2404.4	2414.7	2447.9	2453.0	2442.8	2447.9	2460.7	2465.8	2471.0
32.5°	1923.0	2171.3	2330.2	2353.1	2383.8	2368.5	2365.9	2373.7	2394.1	2394.1	2399.2
35°	1738.6	2056.1	2261.0	2281.4	2304.5	2286.5	2296.8	2299.3	2312.2	2319.9	2317.3
37.5°	1536.3	1956.2	2189.3	2204.7	2222.6	2199.5	2214.8	2222.6	2232.8	2227.7	2227.7
40°	1357.1	1800.1	2104.8	2115.0	2130.3	2112.4	2127.8	2133.0	2138.1	2133.0	2130.3
42.5°	1223.9	1628.5	2015.1	2027.9	2017.7	2030.5	2035.7	2045.8	2038.2	2027.9	2027.9
45°	1121.5	1582.4	1917.8	1933.3	1917.8	1938.4	1946.0	1946.0	1923.0	1917.8	1915.3
47.5°	1088.3	1490.2	1820.6	1820.6	1812.9	1838.5	1851.3	1833.3	1810.3	1802.6	1802.6
50°	1085.7	1387.8	1687.4	1677.1	1713.0	1743.7	1730.9	1713.0	1695.1	1666.9	1666.9
52.5°	985.9	1262.3	1515.8	1554.3	1610.6	1628.5	1608.1	1590.1	1559.4	1546.6	1536.3
55°	914.2	1131.8	1359.7	1436.4	1495.4	1518.4	1480.0	1462.1	1416.0	1408.3	1403.2
57.5°	898.7	942.3	1216.3	1313.6	1385.3	1382.7	1359.7	1326.4	1288.0	1280.2	1277.7
60°	824.5	681.1	1062.6	1177.8	1252.1	1244.4	1223.9	1193.2	1157.4	1152.2	1147.1
62.5°	747.7	494.2	888.5	1019.1	1124.0	1121.5	1103.6	1057.5	1031.9	1019.1	1008.8
65°	635.0	414.8	632.5	847.6	998.7	1003.7	965.3	932.1	903.9	888.5	886.0
67.5°	483.9	338.0	427.6	706.7	878.3	873.2	824.5	809.1	773.3	765.6	750.2
70°	358.4	225.3	297.0	573.6	760.5	747.7	709.3	691.4	658.0	640.1	629.8
72.5°	297.0	181.8	217.6	445.5	640.1	624.8	591.5	571.0	542.8	527.4	517.3
75°	240.7	192.1	166.5	330.3	519.8	509.6	478.8	458.3	435.3	414.8	417.3
77.5°	176.6	179.3	133.1	243.2	412.2	396.9	379.0	353.4	343.1	322.7	322.7
80°	133.1	140.8	99.9	166.5	297.0	297.0	281.7	263.8	245.8	235.6	235.6
82.5°	89.6	89.6	74.2	104.9	202.3	194.6	184.4	179.3	169.0	163.9	163.9
85°	41.0	51.2	46.1	64.1	110.1	115.2	115.2	110.1	107.6	102.4	104.9
87.5°	12.8	23.1	28.2	35.9	56.3	58.9	61.4	61.4	61.4	64.1	64.1
90°	8.0	14.5	20.9	22.6	35.5	52.6	61.2	54.5	40.8	30.6	30.6
92.5°	32.3	87.1	142.0	155.6	218.7	302.9	345.0	302.3	217.2	153.2	147.1
95°	77.4	177.7	278.0	303.1	538.2	851.7	1008.4	899.9	682.8	520.0	501.6
97.5°	133.8	222.3	310.9	332.9	725.0	1247.7	1509.0	1440.4	1303.2	1200.3	1165.2
100°	177.3	257.6	337.9	357.9	792.9	1373.0	1663.0	1668.0	1678.0	1685.6	1643.7
102.5°	214.4	289.2	364.2	382.9	824.0	1412.3	1706.5	1793.9	1968.8	2099.9	2064.1
105°	277.3	340.7	404.1	420.0	847.2	1416.9	1701.7	1897.6	2289.6	2583.5	2564.3
107.5°	341.8	400.9	460.0	474.8	851.6	1353.8	1605.0	1878.3	2425.0	2835.0	2839.7
110°	385.3	438.7	492.1	505.4	845.1	1297.9	1524.3	1830.0	2441.1	2899.5	2919.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	428.0	478.9	529.8	542.5	845.4	1249.1	1451.0	1763.8	2389.3	2858.5	2889.3
115°	492.5	539.4	586.4	598.2	853.1	1193.1	1363.1	1664.5	2267.1	2719.0	2761.7
117.5°	556.2	598.8	641.5	652.1	869.0	1158.1	1302.6	1574.5	2118.4	2526.3	2573.7
120°	593.3	633.4	673.6	683.5	881.9	1146.3	1278.5	1527.0	2023.9	2396.5	2442.6
122.5°	629.6	670.1	710.6	720.6	900.4	1140.0	1259.9	1483.6	1931.1	2266.8	2312.2
125°	685.2	722.1	759.0	768.2	925.4	1135.0	1239.7	1429.9	1810.0	2095.1	2136.9
127.5°	730.3	767.5	804.9	814.2	950.4	1132.1	1222.9	1386.1	1712.4	1957.2	1992.5
130°	754.5	794.6	834.7	844.8	968.6	1133.8	1216.4	1361.6	1652.2	1870.2	1902.7
132.5°	779.5	819.6	859.7	869.8	983.4	1135.0	1210.8	1340.8	1600.9	1795.9	1825.1
135°	816.6	853.1	889.7	898.8	999.6	1133.9	1201.1	1310.0	1527.8	1691.2	1716.4
137.5°	854.5	890.6	926.8	935.9	1023.7	1140.9	1199.4	1291.5	1475.7	1613.8	1634.4
140°	885.9	919.2	952.5	960.9	1038.5	1142.1	1193.8	1273.4	1432.5	1551.8	1571.0
142.5°	910.1	940.9	971.7	979.4	1050.9	1146.1	1193.8	1263.7	1403.4	1508.2	1524.8
145°	947.2	974.0	1001.0	1007.7	1067.1	1146.2	1185.8	1242.9	1357.2	1442.9	1455.4
147.5°	984.2	1010.4	1036.5	1043.1	1090.7	1154.1	1185.8	1230.7	1320.7	1388.1	1398.5
150°	1008.4	1032.1	1055.7	1061.6	1103.0	1158.1	1185.8	1223.8	1299.7	1356.7	1365.1
152.5°	1033.4	1051.4	1069.3	1073.7	1111.1	1160.9	1185.8	1218.2	1283.1	1331.7	1338.1
155°	1070.5	1083.7	1097.0	1100.3	1128.8	1166.8	1185.8	1211.5	1263.2	1301.9	1306.0
157.5°	1097.9	1110.8	1123.7	1126.9	1146.5	1172.7	1185.8	1205.8	1245.9	1276.1	1279.0
160°	1116.5	1126.6	1136.5	1139.1	1154.7	1175.4	1185.8	1203.0	1237.4	1263.2	1264.9
162.5°	1135.0	1142.5	1150.1	1151.9	1163.2	1178.2	1185.8	1200.3	1229.3	1251.1	1252.7
165°	1155.1	1161.9	1168.7	1170.5	1175.6	1182.4	1185.8	1196.1	1217.0	1232.6	1234.3
167.5°	1173.7	1176.9	1180.1	1180.9	1185.2	1190.9	1193.8	1200.6	1214.3	1224.4	1225.1
170°	1185.8	1189.0	1192.3	1193.0	1193.3	1193.6	1193.8	1200.6	1214.3	1224.4	1224.4
172.5°	1192.3	1192.9	1193.6	1193.8	1193.8	1193.8	1193.8	1199.2	1210.0	1218.0	1217.5
175°	1201.1	1201.1	1201.1	1201.1	1198.7	1195.5	1193.8	1197.2	1204.0	1209.1	1209.1
177.5°	1201.1	1201.1	1201.1	1201.1	1199.2	1196.7	1195.5	1198.2	1203.5	1207.6	1206.9
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5
2.5°	2775.6	2767.9	2775.6	2770.6	2773.1	2765.4	2742.4	2734.7	2742.4	2750.0	2750.0
5°	2808.9	2803.8	2808.9	2808.9	2806.4	2801.3	2775.6	2770.6	2775.6	2778.2	2773.1
7.5°	2819.2	2811.5	2819.2	2814.1	2814.1	2808.9	2783.4	2778.2	2780.7	2788.5	2780.7
10°	2819.2	2811.5	2819.2	2816.6	2814.1	2808.9	2783.4	2773.1	2773.1	2780.7	2773.1
12.5°	2806.4	2801.3	2806.4	2801.3	2801.3	2796.1	2770.6	2760.3	2762.8	2765.4	2755.2
15°	2785.9	2778.2	2785.9	2780.7	2783.4	2775.6	2747.5	2737.2	2737.2	2742.4	2724.4
17.5°	2755.2	2744.9	2755.2	2752.6	2750.0	2744.9	2719.3	2709.0	2706.5	2709.0	2696.2
20°	2719.3	2711.6	2719.3	2716.8	2716.8	2706.5	2680.9	2668.1	2668.1	2668.1	2655.3
22.5°	2663.0	2655.3	2663.0	2668.1	2668.1	2665.5	2642.5	2624.5	2619.4	2619.4	2604.1
25°	2599.0	2591.3	2599.0	2599.0	2596.4	2599.0	2591.3	2581.0	2573.4	2565.7	2550.3
27.5°	2537.5	2532.4	2537.5	2532.4	2537.5	2529.9	2527.2	2524.7	2514.5	2506.8	2486.3
30°	2476.1	2471.0	2476.1	2471.0	2465.8	2460.7	2447.9	2442.8	2453.0	2447.9	2414.7
32.5°	2399.2	2394.1	2399.2	2399.2	2394.1	2394.1	2373.7	2365.9	2368.5	2383.8	2353.1
35°	2319.9	2312.2	2319.9	2317.3	2319.9	2312.2	2299.3	2296.8	2286.5	2304.5	2281.4
37.5°	2227.7	2220.0	2227.7	2227.7	2227.7	2232.8	2222.6	2214.8	2199.5	2222.6	2204.7
40°	2133.0	2122.7	2133.0	2130.3	2133.0	2138.1	2133.0	2127.8	2112.4	2130.3	2115.0
42.5°	2025.4	2022.9	2025.4	2027.9	2027.9	2038.2	2045.8	2035.7	2030.5	2017.7	2027.9
45°	1910.2	1905.1	1910.2	1915.3	1917.8	1923.0	1946.0	1946.0	1938.4	1917.8	1933.3
47.5°	1787.2	1774.4	1787.2	1802.6	1802.6	1810.3	1833.3	1851.3	1838.5	1812.9	1820.6
50°	1656.7	1659.2	1656.7	1666.9	1666.9	1695.1	1713.0	1730.9	1743.7	1713.0	1677.1
52.5°	1528.7	1526.1	1528.7	1536.3	1546.6	1559.4	1590.1	1608.1	1628.5	1610.6	1554.3
55°	1400.6	1405.7	1400.6	1403.2	1408.3	1416.0	1462.1	1480.0	1518.4	1495.4	1436.4
57.5°	1272.6	1264.9	1272.6	1277.7	1280.2	1288.0	1326.4	1359.7	1382.7	1385.3	1313.6
60°	1124.0	1113.9	1124.0	1147.1	1152.2	1157.4	1193.2	1223.9	1244.4	1252.1	1177.8
62.5°	993.5	975.6	993.5	1008.8	1019.1	1031.9	1057.5	1103.6	1121.5	1124.0	1019.1
65°	855.2	847.6	855.2	886.0	888.5	903.9	932.1	965.3	1003.7	998.7	847.6
67.5°	729.8	729.8	729.8	750.2	765.6	773.3	809.1	824.5	873.2	878.3	706.7
70°	614.5	612.0	614.5	629.8	640.1	658.0	691.4	709.3	747.7	760.5	573.6
72.5°	504.5	501.8	504.5	517.3	527.4	542.8	571.0	591.5	624.8	640.1	445.5
75°	407.2	402.0	407.2	417.3	414.8	435.3	458.3	478.8	509.6	519.8	330.3
77.5°	312.4	312.4	312.4	322.7	322.7	343.1	353.4	379.0	396.9	412.2	243.2
80°	233.0	230.4	233.0	235.6	235.6	245.8	263.8	281.7	297.0	297.0	166.5
82.5°	163.9	158.7	163.9	163.9	163.9	169.0	179.3	184.4	194.6	202.3	104.9
85°	102.4	102.4	102.4	104.9	102.4	107.6	110.1	115.2	115.2	110.1	64.1
87.5°	66.6	64.1	66.6	64.1	64.1	61.4	61.4	61.4	58.9	56.3	35.9
90°	30.6	30.6	30.6	30.6	30.6	40.8	54.5	61.2	52.6	35.5	22.6
92.5°	122.8	98.4	122.8	147.1	153.2	217.2	302.3	345.0	302.9	218.7	155.6
95°	427.7	353.9	427.7	501.6	520.0	682.8	899.9	1008.4	851.7	538.2	303.1
97.5°	1024.7	884.3	1024.7	1165.2	1200.3	1303.2	1440.4	1509.0	1247.7	725.0	332.9
100°	1476.5	1309.1	1476.5	1643.7	1685.6	1678.0	1668.0	1663.0	1373.0	792.9	357.9
102.5°	1920.8	1777.4	1920.8	2064.1	2099.9	1968.8	1793.9	1706.5	1412.3	824.0	382.9
105°	2487.2	2410.2	2487.2	2564.3	2583.5	2289.6	1897.6	1701.7	1416.9	847.2	420.0
107.5°	2858.4	2877.0	2858.4	2839.7	2835.0	2425.0	1878.3	1605.0	1353.8	851.6	474.8
110°	2999.8	3080.1	2999.8	2919.6	2899.5	2441.1	1830.0	1524.3	1297.9	845.1	505.4





TEST NUMBER: P935294

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3012.4	3135.7	3012.4	2889.3	2858.5	2389.3	1763.8	1451.0	1249.1	845.4	542.5
115°	2932.6	3103.5	2932.6	2761.7	2719.0	2267.1	1664.5	1363.1	1193.1	853.1	598.2
117.5°	2763.2	2952.7	2763.2	2573.7	2526.3	2118.4	1574.5	1302.6	1158.1	869.0	652.1
120°	2626.8	2810.9	2626.8	2442.6	2396.5	2023.9	1527.0	1278.5	1146.3	881.9	683.5
122.5°	2493.8	2675.4	2493.8	2312.2	2266.8	1931.1	1483.6	1259.9	1140.0	900.4	720.6
125°	2304.2	2471.5	2304.2	2136.9	2095.1	1810.0	1429.9	1239.7	1135.0	925.4	768.2
127.5°	2133.6	2274.8	2133.6	1992.5	1957.2	1712.4	1386.1	1222.9	1132.1	950.4	814.2
130°	2033.2	2163.6	2033.2	1902.7	1870.2	1652.2	1361.6	1216.4	1133.8	968.6	844.8
132.5°	1942.0	2058.7	1942.0	1825.1	1795.9	1600.9	1340.8	1210.8	1135.0	983.4	869.8
135°	1817.1	1917.7	1817.1	1716.4	1691.2	1527.8	1310.0	1201.1	1133.9	999.6	898.8
137.5°	1716.8	1799.2	1716.8	1634.4	1613.8	1475.7	1291.5	1199.4	1140.9	1023.7	935.9
140°	1648.0	1725.0	1648.0	1571.0	1551.8	1432.5	1273.4	1193.8	1142.1	1038.5	960.9
142.5°	1591.1	1657.4	1591.1	1524.8	1508.2	1403.4	1263.7	1193.8	1146.1	1050.9	979.4
145°	1505.6	1555.7	1505.6	1455.4	1442.9	1357.2	1242.9	1185.8	1146.2	1067.1	1007.7
147.5°	1440.0	1481.6	1440.0	1398.5	1388.1	1320.7	1230.7	1185.8	1154.1	1090.7	1043.1
150°	1398.8	1432.5	1398.8	1365.1	1356.7	1299.7	1223.8	1185.8	1158.1	1103.0	1061.6
152.5°	1363.5	1388.9	1363.5	1338.1	1331.7	1283.1	1218.2	1185.8	1160.9	1111.1	1073.7
155°	1322.9	1339.7	1322.9	1306.0	1301.9	1263.2	1211.5	1185.8	1166.8	1128.8	1100.3
157.5°	1290.8	1302.6	1290.8	1279.0	1276.1	1245.9	1205.8	1185.8	1172.7	1146.5	1126.9
160°	1271.7	1278.5	1271.7	1264.9	1263.2	1237.4	1203.0	1185.8	1175.4	1154.7	1139.1
162.5°	1259.1	1265.6	1259.1	1252.7	1251.1	1229.3	1200.3	1185.8	1178.2	1163.2	1151.9
165°	1241.1	1247.9	1241.1	1234.3	1232.6	1217.0	1196.1	1185.8	1182.4	1175.6	1170.5
167.5°	1228.0	1230.9	1228.0	1225.1	1224.4	1214.3	1200.6	1193.8	1190.9	1185.2	1180.9
170°	1224.4	1224.4	1224.4	1224.4	1224.4	1214.3	1200.6	1193.8	1193.6	1193.3	1193.0
172.5°	1214.9	1212.4	1214.9	1217.5	1218.0	1210.0	1199.2	1193.8	1193.8	1193.8	1193.8
175°	1209.1	1209.1	1209.1	1209.1	1209.1	1204.0	1197.2	1193.8	1195.5	1198.7	1201.1
177.5°	1204.0	1201.1	1204.0	1206.9	1207.6	1203.5	1198.2	1195.5	1196.7	1199.2	1201.1
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1



TEST NUMBER: P935294

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5
2.5°	2744.9	2729.6	2729.6	2704.0	2693.7	2686.1	2673.2	2634.8	2624.5	2614.4	2629.7
5°	2767.9	2739.8	2719.3	2673.2	2634.8	2619.4	2570.8	2478.6	2417.2	2371.0	2345.5
7.5°	2773.1	2737.2	2698.9	2627.2	2534.9	2494.0	2345.5	2176.5	2130.3	2089.5	2063.8
10°	2767.9	2727.0	2673.2	2565.7	2348.0	2276.4	2127.8	2017.7	1989.6	1981.9	1989.6
12.5°	2750.0	2711.6	2637.3	2458.2	2153.4	2104.8	2017.7	1953.7	1948.6	1961.4	2030.5
15°	2719.3	2683.5	2596.4	2314.7	2045.8	2010.0	1948.6	1925.5	1953.7	2043.3	2250.7
17.5°	2688.6	2647.6	2540.0	2174.0	1964.0	1938.4	1894.8	1940.9	2099.6	2220.0	2289.2
20°	2647.6	2599.0	2476.1	2071.5	1905.1	1882.0	1861.5	2068.9	2189.3	2232.8	2271.2
22.5°	2599.0	2547.8	2389.0	1999.8	1843.6	1825.7	1838.5	2140.6	2189.3	2220.0	2253.3
25°	2534.9	2491.4	2286.5	1943.4	1795.0	1774.4	1823.1	2133.0	2161.1	2168.8	2235.4
27.5°	2476.1	2419.7	2179.0	1892.3	1736.1	1728.4	1836.0	2099.6	2120.2	2127.8	2199.5
30°	2404.4	2319.9	2058.6	1838.5	1674.6	1672.0	1838.5	2058.6	2053.6	2074.0	2145.8
32.5°	2330.2	2171.3	1923.0	1771.9	1615.7	1613.2	1820.6	1997.2	1992.1	2020.3	2074.0
35°	2261.0	2056.1	1738.6	1695.1	1541.5	1544.0	1777.0	1925.5	1928.1	1953.7	1987.0
37.5°	2189.3	1956.2	1536.3	1610.6	1469.8	1469.8	1718.1	1858.9	1853.9	1861.5	1907.6
40°	2104.8	1800.1	1357.1	1500.5	1403.2	1395.5	1646.4	1787.2	1769.3	1766.8	1830.8
42.5°	2015.1	1628.5	1223.9	1354.6	1326.4	1316.1	1559.4	1700.2	1666.9	1674.6	1756.5
45°	1917.8	1582.4	1121.5	1144.6	1247.0	1239.4	1464.6	1600.3	1577.3	1597.8	1682.3
47.5°	1820.6	1490.2	1088.3	950.0	1162.5	1159.9	1359.7	1503.0	1490.2	1510.8	1600.3
50°	1687.4	1387.8	1085.7	814.3	1067.7	1078.0	1234.2	1408.3	1408.3	1426.3	1520.9
52.5°	1515.8	1262.3	985.9	737.4	957.7	988.4	1124.0	1326.4	1331.5	1349.4	1433.9
55°	1359.7	1131.8	914.2	678.6	827.0	893.6	1016.6	1241.9	1252.1	1270.1	1346.8
57.5°	1216.3	942.3	898.7	609.4	706.7	770.7	921.8	1159.9	1165.0	1180.4	1254.7
60°	1062.6	681.1	824.5	535.2	601.7	650.4	834.7	1062.6	1080.5	1090.8	1154.9
62.5°	888.5	494.2	747.7	483.9	550.5	560.8	763.1	970.5	993.5	1001.2	1039.5
65°	632.5	414.8	635.0	440.4	496.7	499.3	686.2	875.7	896.2	909.0	937.1
67.5°	427.6	338.0	483.9	399.4	455.8	458.3	612.0	765.6	793.8	804.0	821.9
70°	297.0	225.3	358.4	355.9	409.7	414.8	532.6	665.7	691.4	699.0	709.3
72.5°	217.6	181.8	297.0	320.1	361.0	366.2	450.7	553.1	578.7	586.3	591.5
75°	166.5	192.1	240.7	279.1	307.3	309.8	368.7	450.7	468.6	473.7	476.3
77.5°	133.1	179.3	176.6	225.3	251.0	245.8	289.3	348.3	363.6	363.6	363.6
80°	99.9	140.8	133.1	161.3	184.4	179.3	207.4	248.4	253.5	258.6	256.0
82.5°	74.2	89.6	89.6	102.4	122.9	117.8	138.3	161.3	161.3	161.3	166.5
85°	46.1	51.2	41.0	53.8	69.1	66.6	76.8	87.0	89.6	89.6	84.5
87.5°	28.2	23.1	12.8	20.4	30.7	30.7	35.9	38.4	35.9	35.9	35.9
90°	20.9	14.5	8.0	14.5	20.9	22.6	35.5	52.6	61.2	54.5	40.8
92.5°	142.0	87.1	32.3	87.1	142.0	155.6	218.7	302.9	345.0	302.3	217.2
95°	278.0	177.7	77.4	177.7	278.0	303.1	538.2	851.7	1008.4	899.9	682.8
97.5°	310.9	222.3	133.8	222.3	310.9	332.9	725.0	1247.7	1509.0	1440.4	1303.2
100°	337.9	257.6	177.3	257.6	337.9	357.9	792.9	1373.0	1663.0	1668.0	1678.0
102.5°	364.2	289.2	214.4	289.2	364.2	382.9	824.0	1412.3	1706.5	1793.9	1968.8
105°	404.1	340.7	277.3	340.7	404.1	420.0	847.2	1416.9	1701.7	1897.6	2289.6
107.5°	460.0	400.9	341.8	400.9	460.0	474.8	851.6	1353.8	1605.0	1878.3	2425.0
110°	492.1	438.7	385.3	438.7	492.1	505.4	845.1	1297.9	1524.3	1830.0	2441.1



TEST NUMBER: P935294

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	529.8	478.9	428.0	478.9	529.8	542.5	845.4	1249.1	1451.0	1763.8	2389.3
115°	586.4	539.4	492.5	539.4	586.4	598.2	853.1	1193.1	1363.1	1664.5	2267.1
117.5°	641.5	598.8	556.2	598.8	641.5	652.1	869.0	1158.1	1302.6	1574.5	2118.4
120°	673.6	633.4	593.3	633.4	673.6	683.5	881.9	1146.3	1278.5	1527.0	2023.9
122.5°	710.6	670.1	629.6	670.1	710.6	720.6	900.4	1140.0	1259.9	1483.6	1931.1
125°	759.0	722.1	685.2	722.1	759.0	768.2	925.4	1135.0	1239.7	1429.9	1810.0
127.5°	804.9	767.5	730.3	767.5	804.9	814.2	950.4	1132.1	1222.9	1386.1	1712.4
130°	834.7	794.6	754.5	794.6	834.7	844.8	968.6	1133.8	1216.4	1361.6	1652.2
132.5°	859.7	819.6	779.5	819.6	859.7	869.8	983.4	1135.0	1210.8	1340.8	1600.9
135°	889.7	853.1	816.6	853.1	889.7	898.8	999.6	1133.9	1201.1	1310.0	1527.8
137.5°	926.8	890.6	854.5	890.6	926.8	935.9	1023.7	1140.9	1199.4	1291.5	1475.7
140°	952.5	919.2	885.9	919.2	952.5	960.9	1038.5	1142.1	1193.8	1273.4	1432.5
142.5°	971.7	940.9	910.1	940.9	971.7	979.4	1050.9	1146.1	1193.8	1263.7	1403.4
145°	1001.0	974.0	947.2	974.0	1001.0	1007.7	1067.1	1146.2	1185.8	1242.9	1357.2
147.5°	1036.5	1010.4	984.2	1010.4	1036.5	1043.1	1090.7	1154.1	1185.8	1230.7	1320.7
150°	1055.7	1032.1	1008.4	1032.1	1055.7	1061.6	1103.0	1158.1	1185.8	1223.8	1299.7
152.5°	1069.3	1051.4	1033.4	1051.4	1069.3	1073.7	1111.1	1160.9	1185.8	1218.2	1283.1
155°	1097.0	1083.7	1070.5	1083.7	1097.0	1100.3	1128.8	1166.8	1185.8	1211.5	1263.2
157.5°	1123.7	1110.8	1097.9	1110.8	1123.7	1126.9	1146.5	1172.7	1185.8	1205.8	1245.9
160°	1136.5	1126.6	1116.5	1126.6	1136.5	1139.1	1154.7	1175.4	1185.8	1203.0	1237.4
162.5°	1150.1	1142.5	1135.0	1142.5	1150.1	1151.9	1163.2	1178.2	1185.8	1200.3	1229.3
165°	1168.7	1161.9	1155.1	1161.9	1168.7	1170.5	1175.6	1182.4	1185.8	1196.1	1217.0
167.5°	1180.1	1176.9	1173.7	1176.9	1180.1	1180.9	1185.2	1190.9	1193.8	1200.6	1214.3
170°	1192.3	1189.0	1185.8	1189.0	1192.3	1193.0	1193.3	1193.6	1193.8	1200.6	1214.3
172.5°	1193.6	1192.9	1192.3	1192.9	1193.6	1193.8	1193.8	1193.8	1193.8	1199.2	1210.0
175°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1198.7	1195.5	1193.8	1197.2	1204.0
177.5°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1199.2	1196.7	1195.5	1198.2	1203.5
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1



TEST NUMBER: P935294

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5	2706.5
2.5°	2611.7	2604.1	2614.4	2586.2	2614.4	2604.1	2611.7	2629.7	2614.4	2624.5	2634.8
5°	2291.7	2278.9	2237.9	2204.7	2237.9	2278.9	2291.7	2345.5	2371.0	2417.2	2478.6
7.5°	2048.5	2038.2	2027.9	2007.5	2027.9	2038.2	2048.5	2063.8	2089.5	2130.3	2176.5
10°	1994.7	1997.2	2012.6	2010.0	2012.6	1997.2	1994.7	1989.6	1981.9	1989.6	2017.7
12.5°	2133.0	2156.0	2240.5	2235.4	2240.5	2156.0	2133.0	2030.5	1961.4	1948.6	1953.7
15°	2291.7	2299.3	2317.3	2319.9	2317.3	2299.3	2291.7	2250.7	2043.3	1953.7	1925.5
17.5°	2307.1	2309.6	2322.4	2322.4	2322.4	2309.6	2307.1	2289.2	2220.0	2099.6	1940.9
20°	2294.3	2299.3	2325.0	2330.2	2325.0	2299.3	2294.3	2271.2	2232.8	2189.3	2068.9
22.5°	2289.2	2299.3	2319.9	2317.3	2319.9	2299.3	2289.2	2253.3	2220.0	2189.3	2140.6
25°	2263.5	2263.5	2266.1	2268.6	2266.1	2263.5	2263.5	2235.4	2168.8	2161.1	2133.0
27.5°	2209.8	2214.8	2230.3	2227.7	2230.3	2214.8	2209.8	2199.5	2127.8	2120.2	2099.6
30°	2161.1	2156.0	2143.1	2133.0	2143.1	2156.0	2161.1	2145.8	2074.0	2053.6	2058.6
32.5°	2079.2	2066.4	2053.6	2045.8	2053.6	2066.4	2079.2	2074.0	2020.3	1992.1	1997.2
35°	1981.9	1984.4	1981.9	1974.1	1981.9	1984.4	1981.9	1987.0	1953.7	1928.1	1925.5
37.5°	1912.7	1917.8	1915.3	1905.1	1915.3	1917.8	1912.7	1907.6	1861.5	1853.9	1858.9
40°	1841.0	1843.6	1841.0	1833.3	1841.0	1843.6	1841.0	1830.8	1766.8	1769.3	1787.2
42.5°	1771.9	1769.3	1761.6	1756.5	1761.6	1769.3	1771.9	1756.5	1674.6	1666.9	1700.2
45°	1692.6	1695.1	1679.8	1672.0	1679.8	1695.1	1692.6	1682.3	1597.8	1577.3	1600.3
47.5°	1613.2	1613.2	1600.3	1592.6	1600.3	1613.2	1613.2	1600.3	1510.8	1490.2	1503.0
50°	1528.7	1526.1	1508.2	1505.6	1508.2	1526.1	1528.7	1520.9	1426.3	1408.3	1408.3
52.5°	1431.3	1431.3	1433.9	1439.1	1433.9	1431.3	1431.3	1433.9	1349.4	1331.5	1326.4
55°	1346.8	1349.4	1367.4	1372.5	1367.4	1349.4	1346.8	1346.8	1270.1	1252.1	1241.9
57.5°	1259.8	1259.8	1272.6	1272.6	1272.6	1259.8	1259.8	1254.7	1180.4	1165.0	1159.9
60°	1159.9	1165.0	1175.3	1172.8	1175.3	1165.0	1159.9	1154.9	1090.8	1080.5	1062.6
62.5°	1055.0	1060.1	1062.6	1057.5	1062.6	1060.1	1055.0	1039.5	1001.2	993.5	970.5
65°	944.9	950.0	952.5	947.4	952.5	950.0	944.9	937.1	909.0	896.2	875.7
67.5°	832.2	829.7	827.0	837.3	827.0	829.7	832.2	821.9	804.0	793.8	765.6
70°	717.0	717.0	714.3	719.5	714.3	717.0	717.0	709.3	699.0	691.4	665.7
72.5°	594.1	591.5	601.7	594.1	601.7	591.5	594.1	591.5	586.3	578.7	553.1
75°	473.7	478.8	473.7	481.4	473.7	478.8	473.7	476.3	473.7	468.6	450.7
77.5°	361.0	366.2	361.0	361.0	361.0	366.2	361.0	363.6	363.6	363.6	348.3
80°	256.0	253.5	253.5	251.0	253.5	253.5	256.0	256.0	258.6	253.5	248.4
82.5°	163.9	161.3	161.3	166.5	161.3	161.3	163.9	166.5	161.3	161.3	161.3
85°	89.6	92.2	87.0	87.0	87.0	92.2	89.6	84.5	89.6	89.6	87.0
87.5°	33.3	30.7	30.7	30.7	30.7	30.7	33.3	35.9	35.9	35.9	38.4
90°	30.6	30.6	30.6	30.6	30.6	30.6	30.6	40.8	54.5	61.2	52.6
92.5°	153.2	147.1	122.8	98.4	122.8	147.1	153.2	217.2	302.3	345.0	302.9
95°	520.0	501.6	427.7	353.9	427.7	501.6	520.0	682.8	899.9	1008.4	851.7
97.5°	1200.3	1165.2	1024.7	884.3	1024.7	1165.2	1200.3	1303.2	1440.4	1509.0	1247.7
100°	1685.6	1643.7	1476.5	1309.1	1476.5	1643.7	1685.6	1678.0	1668.0	1663.0	1373.0
102.5°	2099.9	2064.1	1920.8	1777.4	1920.8	2064.1	2099.9	1968.8	1793.9	1706.5	1412.3
105°	2583.5	2564.3	2487.2	2410.2	2487.2	2564.3	2583.5	2289.6	1897.6	1701.7	1416.9
107.5°	2835.0	2839.7	2858.4	2877.0	2858.4	2839.7	2835.0	2425.0	1878.3	1605.0	1353.8
110°	2899.5	2919.6	2999.8	3080.1	2999.8	2919.6	2899.5	2441.1	1830.0	1524.3	1297.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2858.5	2889.3	3012.4	3135.7	3012.4	2889.3	2858.5	2389.3	1763.8	1451.0	1249.1
115°	2719.0	2761.7	2932.6	3103.5	2932.6	2761.7	2719.0	2267.1	1664.5	1363.1	1193.1
117.5°	2526.3	2573.7	2763.2	2952.7	2763.2	2573.7	2526.3	2118.4	1574.5	1302.6	1158.1
120°	2396.5	2442.6	2626.8	2810.9	2626.8	2442.6	2396.5	2023.9	1527.0	1278.5	1146.3
122.5°	2266.8	2312.2	2493.8	2675.4	2493.8	2312.2	2266.8	1931.1	1483.6	1259.9	1140.0
125°	2095.1	2136.9	2304.2	2471.5	2304.2	2136.9	2095.1	1810.0	1429.9	1239.7	1135.0
127.5°	1957.2	1992.5	2133.6	2274.8	2133.6	1992.5	1957.2	1712.4	1386.1	1222.9	1132.1
130°	1870.2	1902.7	2033.2	2163.6	2033.2	1902.7	1870.2	1652.2	1361.6	1216.4	1133.8
132.5°	1795.9	1825.1	1942.0	2058.7	1942.0	1825.1	1795.9	1600.9	1340.8	1210.8	1135.0
135°	1691.2	1716.4	1817.1	1917.7	1817.1	1716.4	1691.2	1527.8	1310.0	1201.1	1133.9
137.5°	1613.8	1634.4	1716.8	1799.2	1716.8	1634.4	1613.8	1475.7	1291.5	1199.4	1140.9
140°	1551.8	1571.0	1648.0	1725.0	1648.0	1571.0	1551.8	1432.5	1273.4	1193.8	1142.1
142.5°	1508.2	1524.8	1591.1	1657.4	1591.1	1524.8	1508.2	1403.4	1263.7	1193.8	1146.1
145°	1442.9	1455.4	1505.6	1555.7	1505.6	1455.4	1442.9	1357.2	1242.9	1185.8	1146.2
147.5°	1388.1	1398.5	1440.0	1481.6	1440.0	1398.5	1388.1	1320.7	1230.7	1185.8	1154.1
150°	1356.7	1365.1	1398.8	1432.5	1398.8	1365.1	1356.7	1299.7	1223.8	1185.8	1158.1
152.5°	1331.7	1338.1	1363.5	1388.9	1363.5	1338.1	1331.7	1283.1	1218.2	1185.8	1160.9
155°	1301.9	1306.0	1322.9	1339.7	1322.9	1306.0	1301.9	1263.2	1211.5	1185.8	1166.8
157.5°	1276.1	1279.0	1290.8	1302.6	1290.8	1279.0	1276.1	1245.9	1205.8	1185.8	1172.7
160°	1263.2	1264.9	1271.7	1278.5	1271.7	1264.9	1263.2	1237.4	1203.0	1185.8	1175.4
162.5°	1251.1	1252.7	1259.1	1265.6	1259.1	1252.7	1251.1	1229.3	1200.3	1185.8	1178.2
165°	1232.6	1234.3	1241.1	1247.9	1241.1	1234.3	1232.6	1217.0	1196.1	1185.8	1182.4
167.5°	1224.4	1225.1	1228.0	1230.9	1228.0	1225.1	1224.4	1214.3	1200.6	1193.8	1190.9
170°	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1214.3	1200.6	1193.8	1193.6
172.5°	1218.0	1217.5	1214.9	1212.4	1214.9	1217.5	1218.0	1210.0	1199.2	1193.8	1193.8
175°	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1204.0	1197.2	1193.8	1195.5
177.5°	1207.6	1206.9	1204.0	1201.1	1204.0	1206.9	1207.6	1203.5	1198.2	1195.5	1196.7
180°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2706.5	2706.5	2706.5	2706.5	2706.5
2.5°	2673.2	2686.1	2693.7	2704.0	2729.6
5°	2570.8	2619.4	2634.8	2673.2	2719.3
7.5°	2345.5	2494.0	2534.9	2627.2	2698.9
10°	2127.8	2276.4	2348.0	2565.7	2673.2
12.5°	2017.7	2104.8	2153.4	2458.2	2637.3
15°	1948.6	2010.0	2045.8	2314.7	2596.4
17.5°	1894.8	1938.4	1964.0	2174.0	2540.0
20°	1861.5	1882.0	1905.1	2071.5	2476.1
22.5°	1838.5	1825.7	1843.6	1999.8	2389.0
25°	1823.1	1774.4	1795.0	1943.4	2286.5
27.5°	1836.0	1728.4	1736.1	1892.3	2179.0
30°	1838.5	1672.0	1674.6	1838.5	2058.6
32.5°	1820.6	1613.2	1615.7	1771.9	1923.0
35°	1777.0	1544.0	1541.5	1695.1	1738.6
37.5°	1718.1	1469.8	1469.8	1610.6	1536.3
40°	1646.4	1395.5	1403.2	1500.5	1357.1
42.5°	1559.4	1316.1	1326.4	1354.6	1223.9
45°	1464.6	1239.4	1247.0	1144.6	1121.5
47.5°	1359.7	1159.9	1162.5	950.0	1088.3
50°	1234.2	1078.0	1067.7	814.3	1085.7
52.5°	1124.0	988.4	957.7	737.4	985.9
55°	1016.6	893.6	827.0	678.6	914.2
57.5°	921.8	770.7	706.7	609.4	898.7
60°	834.7	650.4	601.7	535.2	824.5
62.5°	763.1	560.8	550.5	483.9	747.7
65°	686.2	499.3	496.7	440.4	635.0
67.5°	612.0	458.3	455.8	399.4	483.9
70°	532.6	414.8	409.7	355.9	358.4
72.5°	450.7	366.2	361.0	320.1	297.0
75°	368.7	309.8	307.3	279.1	240.7
77.5°	289.3	245.8	251.0	225.3	176.6
80°	207.4	179.3	184.4	161.3	133.1
82.5°	138.3	117.8	122.9	102.4	89.6
85°	76.8	66.6	69.1	53.8	41.0
87.5°	35.9	30.7	30.7	20.4	12.8
90°	35.5	22.6	20.9	14.5	8.0
92.5°	218.7	155.6	142.0	87.1	32.3
95°	538.2	303.1	278.0	177.7	77.4
97.5°	725.0	332.9	310.9	222.3	133.8
100°	792.9	357.9	337.9	257.6	177.3
102.5°	824.0	382.9	364.2	289.2	214.4
105°	847.2	420.0	404.1	340.7	277.3
107.5°	851.6	474.8	460.0	400.9	341.8
110°	845.1	505.4	492.1	438.7	385.3



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CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	845.4	542.5	529.8	478.9	428.0
115°	853.1	598.2	586.4	539.4	492.5
117.5°	869.0	652.1	641.5	598.8	556.2
120°	881.9	683.5	673.6	633.4	593.3
122.5°	900.4	720.6	710.6	670.1	629.6
125°	925.4	768.2	759.0	722.1	685.2
127.5°	950.4	814.2	804.9	767.5	730.3
130°	968.6	844.8	834.7	794.6	754.5
132.5°	983.4	869.8	859.7	819.6	779.5
135°	999.6	898.8	889.7	853.1	816.6
137.5°	1023.7	935.9	926.8	890.6	854.5
140°	1038.5	960.9	952.5	919.2	885.9
142.5°	1050.9	979.4	971.7	940.9	910.1
145°	1067.1	1007.7	1001.0	974.0	947.2
147.5°	1090.7	1043.1	1036.5	1010.4	984.2
150°	1103.0	1061.6	1055.7	1032.1	1008.4
152.5°	1111.1	1073.7	1069.3	1051.4	1033.4
155°	1128.8	1100.3	1097.0	1083.7	1070.5
157.5°	1146.5	1126.9	1123.7	1110.8	1097.9
160°	1154.7	1139.1	1136.5	1126.6	1116.5
162.5°	1163.2	1151.9	1150.1	1142.5	1135.0
165°	1175.6	1170.5	1168.7	1161.9	1155.1
167.5°	1185.2	1180.9	1180.1	1176.9	1173.7
170°	1193.3	1193.0	1192.3	1189.0	1185.8
172.5°	1193.8	1193.8	1193.6	1192.9	1192.3
175°	1198.7	1201.1	1201.1	1201.1	1201.1
177.5°	1199.2	1201.1	1201.1	1201.1	1201.1
180°	1201.1	1201.1	1201.1	1201.1	1201.1



TEST NUMBER: P935294  
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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	13.36	14.19	14.33	15.19	16.49	16.19	17.03	17.17	18.02	19.33
	3H	13.83	14.58	14.82	15.58	16.91	17.54	18.29	18.53	19.29	20.62
	4H	14.02	14.73	15.02	15.74	17.07	17.98	18.69	18.99	19.70	21.04
	6H	14.14	14.79	15.15	15.80	17.15	18.27	18.92	19.28	19.93	21.28
	8H	14.14	14.76	15.16	15.79	17.13	18.34	18.97	19.36	19.99	21.34
	12H	14.11	14.70	15.13	15.72	17.09	18.38	18.98	19.41	20.00	21.37
4H	2H	14.39	15.10	15.40	16.10	17.44	16.60	17.31	17.61	18.31	19.65
	3H	15.41	16.00	16.43	17.04	18.39	18.10	18.70	19.12	19.73	21.08
	4H	15.69	16.23	16.71	17.25	18.63	18.63	19.18	19.66	20.20	21.58
	6H	15.81	16.28	16.85	17.33	18.70	19.00	19.47	20.04	20.51	21.88
	8H	15.82	16.25	16.85	17.29	18.68	19.11	19.54	20.14	20.58	21.97
	12H	15.78	16.17	16.84	17.23	18.62	19.16	19.56	20.22	20.61	22.00
8H	4H	16.14	16.58	17.18	17.62	19.00	18.76	19.19	19.79	20.23	21.62
	6H	16.40	16.76	17.46	17.84	19.23	19.19	19.55	20.25	20.64	22.02
	8H	16.44	16.76	17.51	17.83	19.23	19.35	19.66	20.42	20.73	22.13
	12H	16.43	16.70	17.50	17.77	19.21	19.45	19.72	20.52	20.79	22.23
12H	4H	16.14	16.54	17.20	17.60	18.99	18.72	19.11	19.78	20.17	21.56
	6H	16.46	16.78	17.53	17.85	19.25	19.19	19.51	20.26	20.58	21.98
	8H	16.53	16.81	17.60	17.87	19.31	19.35	19.63	20.42	20.69	22.14