

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: P935296

Luminaire Tested: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935296
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-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

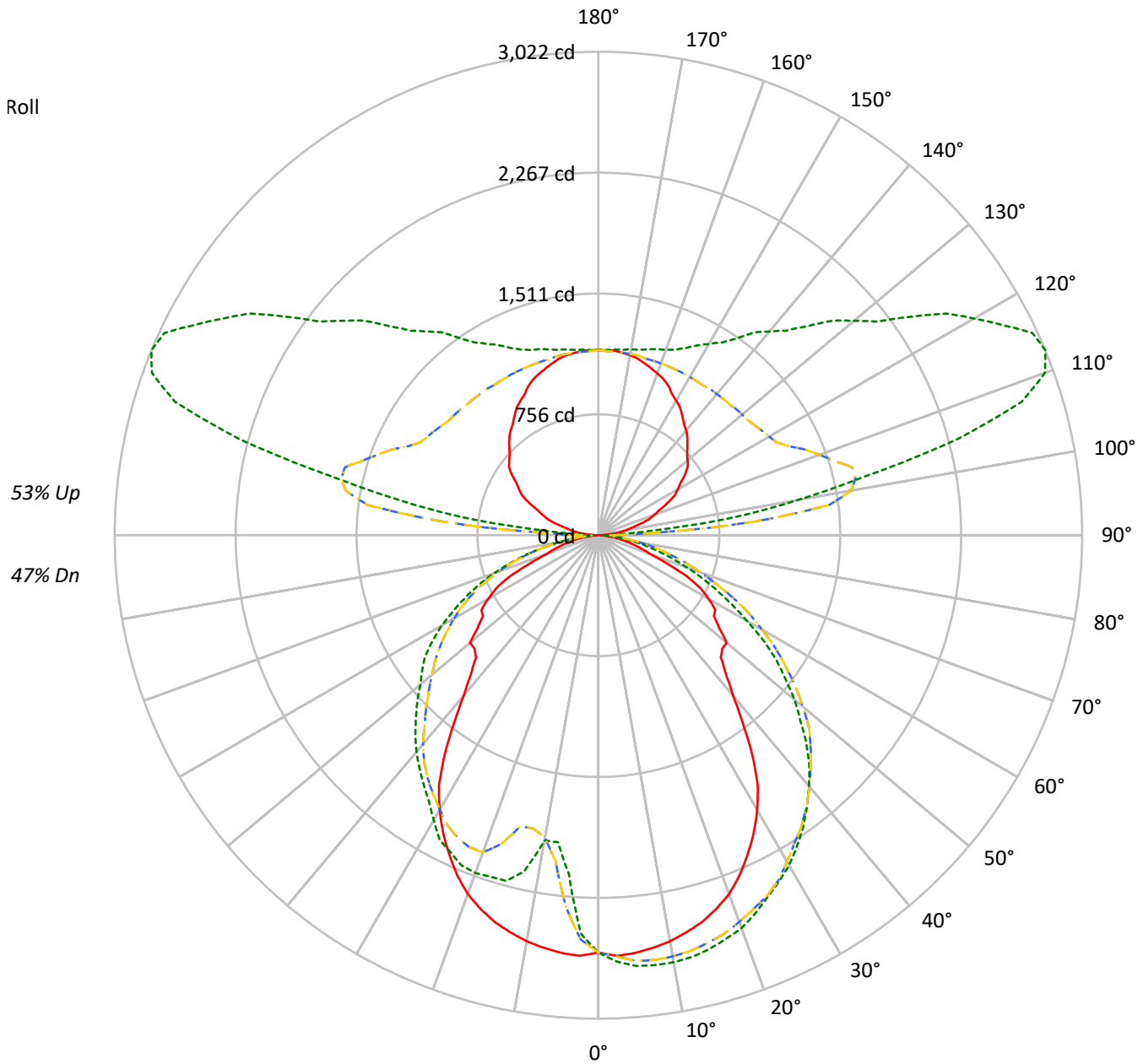
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14273.4 lumens
Efficiency: N/A
Efficacy: 123.0 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 (A_{in}): 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°	12104	12104	12104	12104
5°	12194	12218	12194	9607
10°	12112	12035	12112	8604
15°	11981	11775	11981	9832
20°	11731	11466	11731	9853
25°	11217	11015	11217	9644
30°	10554	10641	10554	9186
35°	9409	10168	9409	8681
40°	7840	9611	7840	8301
45°	7005	8959	7005	7863
50°	7443	8182	7443	7424
55°	7002	7344	7002	7170
60°	7218	6237	7218	6567
65°	6544	5156	6544	5763
70°	4531	4109	4531	4831
75°	3973	3037	3973	3637
80°	3201	2008	3201	2187
85°	1840	1063	1840	904

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10737 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.5	1.6
10°-20°	668.6	4.7
20°-30°	1033.5	7.2
30°-40°	1233.8	8.6
40°-50°	1241.1	8.7
50°-60°	1079.9	7.6
60°-70°	765.6	5.4
70°-80°	405.1	2.8
80°-90°	105.3	0.7
90°-100°	564.3	4.0
100°-110°	1483.6	10.4
110°-120°	1538.4	10.8
120°-130°	1234.0	8.6
130°-140°	968.2	6.8
140°-150°	743.1	5.2
150°-160°	535.2	3.7
160°-170°	327.5	2.3
170°-180°	110.6	0.8
0°-30°	1937.6	13.6
0°-40°	3171.5	22.2
0°-60°	5492.4	38.5
0°-90°	6768.4	47.4
90°-120°	3586.3	25.1
90°-150°	6531.7	45.8
90°-180°	7505.0	52.6
0°-180°	14273.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2609	2609	2609	2609	2609	
5°	2621	2702	2621	2125	2621	249
15°	2503	2678	2503	2236	2503	704
25°	2204	2498	2204	2187	2204	1012
35°	1676	2229	1676	1903	1676	1037
45°	1081	1836	1081	1612	1081	866
55°	881	1355	881	1323	881	810
65°	612	817	612	913	612	585
75°	232	388	232	464	232	244
85°	40	99	40	84	40	53
90°	8	30	8	30	8	8
95°	75	341	75	341	75	83
105°	267	2323	267	2323	267	283
115°	475	2991	475	2991	475	469
125°	660	2382	660	2382	660	586
135°	787	1848	787	1848	787	609
145°	913	1500	913	1500	913	572
155°	1032	1291	1032	1291	1032	474
165°	1113	1203	1113	1203	1113	314
175°	1158	1165	1158	1165	1158	110
180°	1158	1158	1158	1158	1158	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2631.0	2631.0	2645.7	2650.7	2650.7	2643.3	2635.9	2643.3	2665.5	2672.9	2670.5
5°	2621.1	2640.8	2668.0	2672.9	2677.9	2675.3	2670.5	2675.3	2700.1	2705.1	2707.5
7.5°	2601.4	2638.4	2672.9	2680.3	2687.8	2680.3	2677.9	2682.8	2707.5	2712.4	2712.4
10°	2576.6	2628.5	2668.0	2672.9	2680.3	2672.9	2672.9	2682.8	2707.5	2712.4	2714.9
12.5°	2542.1	2613.7	2650.7	2655.6	2665.5	2663.0	2660.6	2670.5	2695.2	2700.1	2700.1
15°	2502.7	2586.5	2621.1	2626.0	2643.3	2638.4	2638.4	2648.3	2675.3	2682.8	2680.3
17.5°	2448.3	2552.0	2591.5	2598.9	2611.2	2608.8	2611.2	2621.1	2645.7	2650.7	2653.2
20°	2386.7	2505.1	2552.0	2559.3	2571.8	2571.8	2571.8	2584.1	2608.8	2618.7	2618.7
22.5°	2302.7	2455.8	2505.1	2510.0	2524.8	2524.8	2529.7	2547.0	2569.2	2571.8	2571.8
25°	2204.0	2401.4	2443.3	2458.2	2473.0	2480.4	2487.8	2497.7	2505.1	2502.7	2505.1
27.5°	2100.3	2332.3	2386.7	2396.5	2416.3	2423.6	2433.5	2436.0	2438.5	2445.9	2440.9
30°	1984.3	2236.1	2317.5	2327.4	2359.5	2364.4	2354.5	2359.5	2371.8	2376.7	2381.7
32.5°	1853.5	2092.9	2246.0	2268.1	2297.7	2283.0	2280.5	2287.9	2307.6	2307.6	2312.6
35°	1675.8	1981.9	2179.3	2199.0	2221.2	2204.0	2213.9	2216.3	2228.7	2236.1	2233.6
37.5°	1480.9	1885.6	2110.2	2125.0	2142.3	2120.1	2134.8	2142.3	2152.1	2147.3	2147.3
40°	1308.1	1735.1	2028.7	2038.6	2053.4	2036.1	2051.0	2055.9	2060.9	2055.9	2053.4
42.5°	1179.7	1569.7	1942.3	1954.7	1944.9	1957.2	1962.1	1972.0	1964.6	1954.7	1954.7
45°	1081.0	1525.2	1848.6	1863.4	1848.6	1868.4	1875.8	1875.8	1853.5	1848.6	1846.1
47.5°	1049.0	1436.4	1754.8	1754.8	1747.4	1772.1	1784.4	1767.1	1744.9	1737.5	1737.5
50°	1046.5	1337.7	1626.5	1616.6	1651.1	1680.7	1668.4	1651.1	1633.8	1606.7	1606.7
52.5°	950.3	1216.7	1461.1	1498.1	1552.4	1569.7	1550.0	1532.7	1503.1	1490.8	1480.9
55°	881.1	1090.9	1310.6	1384.6	1441.3	1463.6	1426.5	1409.3	1364.9	1357.5	1352.5
57.5°	866.3	908.2	1172.4	1266.1	1335.2	1332.7	1310.6	1278.5	1241.5	1234.0	1231.6
60°	794.7	656.5	1024.2	1135.3	1206.9	1199.4	1179.7	1150.1	1115.6	1110.6	1105.7
62.5°	720.7	476.3	856.4	982.3	1083.4	1081.0	1063.7	1019.3	994.6	982.3	972.4
65°	612.1	399.8	609.6	817.0	962.6	967.4	930.5	898.4	871.2	856.4	854.0
67.5°	466.4	325.8	412.2	681.2	846.6	841.6	794.7	779.9	745.3	738.0	723.1
70°	345.5	217.2	286.3	552.8	733.0	720.7	683.7	666.4	634.3	617.0	607.1
72.5°	286.3	175.2	209.8	429.5	617.0	602.2	570.1	550.4	523.2	508.4	498.6
75°	232.0	185.1	160.5	318.4	501.0	491.2	461.5	441.8	419.6	399.8	402.3
77.5°	170.3	172.8	128.3	234.4	397.3	382.6	365.3	340.6	330.7	311.0	311.0
80°	128.3	135.7	96.3	160.5	286.3	286.3	271.5	254.2	237.0	227.1	227.1
82.5°	86.4	86.4	71.5	101.2	195.0	187.5	177.7	172.8	162.9	157.9	157.9
85°	39.5	49.3	44.5	61.7	106.1	111.1	111.1	106.1	103.7	98.7	101.2
87.5°	12.3	22.2	27.2	34.6	54.3	56.8	59.2	59.2	59.2	61.7	61.7
90°	7.8	14.0	20.2	21.8	34.2	50.7	59.0	52.5	39.3	29.5	29.5
92.5°	31.1	84.0	136.8	150.0	210.8	292.0	332.5	291.4	209.3	147.7	141.8
95°	74.6	171.3	268.0	292.2	518.7	820.9	972.0	867.4	658.1	501.2	483.4
97.5°	129.0	214.3	299.6	320.9	698.8	1202.6	1454.5	1388.4	1256.1	1156.9	1123.1
100°	170.9	248.3	325.7	345.0	764.3	1323.4	1602.9	1607.8	1617.4	1624.7	1584.3
102.5°	206.7	278.8	351.0	369.0	794.3	1361.3	1644.9	1729.1	1897.7	2024.1	1989.5
105°	267.3	328.4	389.5	404.8	816.6	1365.7	1640.2	1829.1	2206.9	2490.2	2471.6
107.5°	329.4	386.4	443.4	457.7	820.8	1304.9	1547.0	1810.5	2337.4	2732.6	2737.1
110°	371.4	422.8	474.3	487.2	814.5	1251.0	1469.3	1763.9	2352.9	2794.8	2814.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	412.5	461.6	510.7	522.9	814.8	1204.0	1398.6	1700.1	2303.0	2755.2	2784.9
115°	474.8	520.0	565.3	576.6	822.3	1150.0	1313.9	1604.3	2185.2	2620.8	2662.0
117.5°	536.1	577.2	618.3	628.6	837.6	1116.2	1255.6	1517.7	2041.9	2435.0	2480.7
120°	571.9	610.6	649.2	658.8	850.0	1104.9	1232.3	1471.8	1950.8	2310.0	2354.3
122.5°	606.8	645.9	684.9	694.6	867.9	1098.9	1214.4	1430.0	1861.4	2184.9	2228.7
125°	660.4	696.0	731.6	740.5	892.0	1094.0	1195.0	1378.2	1744.6	2019.4	2059.8
127.5°	704.0	739.8	775.8	784.7	916.1	1091.2	1178.7	1336.0	1650.6	1886.5	1920.5
130°	727.2	765.9	804.5	814.3	933.6	1092.9	1172.5	1312.5	1592.6	1802.6	1834.0
132.5°	751.3	790.0	828.6	838.4	947.9	1094.0	1167.0	1292.4	1543.1	1731.1	1759.2
135°	787.1	822.3	857.6	866.4	963.5	1093.0	1157.7	1262.7	1472.6	1630.1	1654.4
137.5°	823.6	858.4	893.4	902.1	986.8	1099.7	1156.1	1244.8	1422.4	1555.5	1575.4
140°	853.9	886.0	918.1	926.2	1001.0	1100.8	1150.7	1227.4	1380.7	1495.7	1514.3
142.5°	877.2	906.9	936.6	944.0	1012.9	1104.7	1150.7	1218.0	1352.7	1453.8	1469.7
145°	913.0	938.9	964.8	971.3	1028.5	1104.8	1142.9	1198.0	1308.2	1390.8	1402.9
147.5°	948.7	973.9	999.1	1005.5	1051.3	1112.4	1142.9	1186.3	1272.9	1338.0	1347.9
150°	972.0	994.8	1017.6	1023.3	1063.2	1116.3	1142.9	1179.5	1252.8	1307.7	1315.8
152.5°	996.1	1013.4	1030.7	1035.0	1070.9	1118.9	1142.9	1174.2	1236.7	1283.6	1289.8
155°	1031.8	1044.6	1057.4	1060.6	1088.0	1124.6	1142.9	1167.8	1217.6	1254.8	1258.8
157.5°	1058.2	1070.6	1083.2	1086.2	1105.1	1130.3	1142.9	1162.3	1200.9	1230.0	1232.8
160°	1076.2	1085.9	1095.5	1097.9	1113.0	1132.9	1142.9	1159.6	1192.7	1217.6	1219.2
162.5°	1094.0	1101.3	1108.6	1110.3	1121.2	1135.7	1142.9	1156.9	1184.9	1205.9	1207.5
165°	1113.4	1120.0	1126.5	1128.2	1133.1	1139.7	1142.9	1152.9	1173.0	1188.0	1189.7
167.5°	1131.3	1134.3	1137.5	1138.3	1142.4	1147.9	1150.7	1157.2	1170.4	1180.2	1180.9
170°	1142.9	1146.0	1149.2	1149.9	1150.2	1150.5	1150.7	1157.2	1170.4	1180.2	1180.2
172.5°	1149.2	1149.8	1150.5	1150.7	1150.7	1150.7	1150.7	1155.9	1166.3	1174.0	1173.5
175°	1157.7	1157.7	1157.7	1157.7	1155.4	1152.3	1150.7	1154.0	1160.5	1165.4	1165.4
177.5°	1157.7	1157.7	1157.7	1157.7	1155.9	1153.5	1152.3	1154.9	1160.0	1164.0	1163.3
180°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2675.3	2668.0	2675.3	2670.5	2672.9	2665.5	2643.3	2635.9	2643.3	2650.7	2650.7
5°	2707.5	2702.5	2707.5	2707.5	2705.1	2700.1	2675.3	2670.5	2675.3	2677.9	2672.9
7.5°	2717.4	2709.9	2717.4	2712.4	2712.4	2707.5	2682.8	2677.9	2680.3	2687.8	2680.3
10°	2717.4	2709.9	2717.4	2714.9	2712.4	2707.5	2682.8	2672.9	2672.9	2680.3	2672.9
12.5°	2705.1	2700.1	2705.1	2700.1	2700.1	2695.2	2670.5	2660.6	2663.0	2665.5	2655.6
15°	2685.2	2677.9	2685.2	2680.3	2682.8	2675.3	2648.3	2638.4	2638.4	2643.3	2626.0
17.5°	2655.6	2645.7	2655.6	2653.2	2650.7	2645.7	2621.1	2611.2	2608.8	2611.2	2598.9
20°	2621.1	2613.7	2621.1	2618.7	2618.7	2608.8	2584.1	2571.8	2571.8	2571.8	2559.3
22.5°	2566.8	2559.3	2566.8	2571.8	2571.8	2569.2	2547.0	2529.7	2524.8	2524.8	2510.0
25°	2505.1	2497.7	2505.1	2505.1	2502.7	2505.1	2497.7	2487.8	2480.4	2473.0	2458.2
27.5°	2445.9	2440.9	2445.9	2440.9	2445.9	2438.5	2436.0	2433.5	2423.6	2416.3	2396.5
30°	2386.7	2381.7	2386.7	2381.7	2376.7	2371.8	2359.5	2354.5	2364.4	2359.5	2327.4
32.5°	2312.6	2307.6	2312.6	2312.6	2307.6	2307.6	2287.9	2280.5	2283.0	2297.7	2268.1
35°	2236.1	2228.7	2236.1	2233.6	2236.1	2228.7	2216.3	2213.9	2204.0	2221.2	2199.0
37.5°	2147.3	2139.8	2147.3	2147.3	2147.3	2152.1	2142.3	2134.8	2120.1	2142.3	2125.0
40°	2055.9	2046.0	2055.9	2053.4	2055.9	2060.9	2055.9	2051.0	2036.1	2053.4	2038.6
42.5°	1952.2	1949.8	1952.2	1954.7	1954.7	1964.6	1972.0	1962.1	1957.2	1944.9	1954.7
45°	1841.2	1836.2	1841.2	1846.1	1848.6	1853.5	1875.8	1875.8	1868.4	1848.6	1863.4
47.5°	1722.7	1710.3	1722.7	1737.5	1737.5	1744.9	1767.1	1784.4	1772.1	1747.4	1754.8
50°	1596.9	1599.3	1596.9	1606.7	1606.7	1633.8	1651.1	1668.4	1680.7	1651.1	1616.6
52.5°	1473.5	1471.0	1473.5	1480.9	1490.8	1503.1	1532.7	1550.0	1569.7	1552.4	1498.1
55°	1350.0	1355.0	1350.0	1352.5	1357.5	1364.9	1409.3	1426.5	1463.6	1441.3	1384.6
57.5°	1226.6	1219.2	1226.6	1231.6	1234.0	1241.5	1278.5	1310.6	1332.7	1335.2	1266.1
60°	1083.4	1073.6	1083.4	1105.7	1110.6	1115.6	1150.1	1179.7	1199.4	1206.9	1135.3
62.5°	957.6	940.4	957.6	972.4	982.3	994.6	1019.3	1063.7	1081.0	1083.4	982.3
65°	824.3	817.0	824.3	854.0	856.4	871.2	898.4	930.5	967.4	962.6	817.0
67.5°	703.4	703.4	703.4	723.1	738.0	745.3	779.9	794.7	841.6	846.6	681.2
70°	592.3	589.9	592.3	607.1	617.0	634.3	666.4	683.7	720.7	733.0	552.8
72.5°	486.2	483.7	486.2	498.6	508.4	523.2	550.4	570.1	602.2	617.0	429.5
75°	392.5	387.5	392.5	402.3	399.8	419.6	441.8	461.5	491.2	501.0	318.4
77.5°	301.1	301.1	301.1	311.0	311.0	330.7	340.6	365.3	382.6	397.3	234.4
80°	224.6	222.1	224.6	227.1	227.1	237.0	254.2	271.5	286.3	286.3	160.5
82.5°	157.9	153.0	157.9	157.9	157.9	162.9	172.8	177.7	187.5	195.0	101.2
85°	98.7	98.7	98.7	101.2	98.7	103.7	106.1	111.1	111.1	106.1	61.7
87.5°	64.2	61.7	64.2	61.7	61.7	59.2	59.2	59.2	56.8	54.3	34.6
90°	29.5	29.5	29.5	29.5	29.5	39.3	52.5	59.0	50.7	34.2	21.8
92.5°	118.3	94.8	118.3	141.8	147.7	209.3	291.4	332.5	292.0	210.8	150.0
95°	412.3	341.1	412.3	483.4	501.2	658.1	867.4	972.0	820.9	518.7	292.2
97.5°	987.7	852.4	987.7	1123.1	1156.9	1256.1	1388.4	1454.5	1202.6	698.8	320.9
100°	1423.1	1261.8	1423.1	1584.3	1624.7	1617.4	1607.8	1602.9	1323.4	764.3	345.0
102.5°	1851.4	1713.2	1851.4	1989.5	2024.1	1897.7	1729.1	1644.9	1361.3	794.3	369.0
105°	2397.4	2323.1	2397.4	2471.6	2490.2	2206.9	1829.1	1640.2	1365.7	816.6	404.8
107.5°	2755.1	2773.0	2755.1	2737.1	2732.6	2337.4	1810.5	1547.0	1304.9	820.8	457.7
110°	2891.5	2968.8	2891.5	2814.1	2794.8	2352.9	1763.9	1469.3	1251.0	814.5	487.2



TEST NUMBER: P935296

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2903.6	3022.4	2903.6	2784.9	2755.2	2303.0	1700.1	1398.6	1204.0	814.8	522.9
115°	2826.7	2991.4	2826.7	2662.0	2620.8	2185.2	1604.3	1313.9	1150.0	822.3	576.6
117.5°	2663.4	2846.1	2663.4	2480.7	2435.0	2041.9	1517.7	1255.6	1116.2	837.6	628.6
120°	2531.9	2709.3	2531.9	2354.3	2310.0	1950.8	1471.8	1232.3	1104.9	850.0	658.8
122.5°	2403.7	2578.8	2403.7	2228.7	2184.9	1861.4	1430.0	1214.4	1098.9	867.9	694.6
125°	2221.0	2382.3	2221.0	2059.8	2019.4	1744.6	1378.2	1195.0	1094.0	892.0	740.5
127.5°	2056.6	2192.7	2056.6	1920.5	1886.5	1650.6	1336.0	1178.7	1091.2	916.1	784.7
130°	1959.7	2085.4	1959.7	1834.0	1802.6	1592.6	1312.5	1172.5	1092.9	933.6	814.3
132.5°	1871.8	1984.4	1871.8	1759.2	1731.1	1543.1	1292.4	1167.0	1094.0	947.9	838.4
135°	1751.4	1848.5	1751.4	1654.4	1630.1	1472.6	1262.7	1157.7	1093.0	963.5	866.4
137.5°	1654.8	1734.3	1654.8	1575.4	1555.5	1422.4	1244.8	1156.1	1099.7	986.8	902.1
140°	1588.5	1662.7	1588.5	1514.3	1495.7	1380.7	1227.4	1150.7	1100.8	1001.0	926.2
142.5°	1533.6	1597.5	1533.6	1469.7	1453.8	1352.7	1218.0	1150.7	1104.7	1012.9	944.0
145°	1451.2	1499.5	1451.2	1402.9	1390.8	1308.2	1198.0	1142.9	1104.8	1028.5	971.3
147.5°	1388.0	1428.1	1388.0	1347.9	1338.0	1272.9	1186.3	1142.9	1112.4	1051.3	1005.5
150°	1348.2	1380.7	1348.2	1315.8	1307.7	1252.8	1179.5	1142.9	1116.3	1063.2	1023.3
152.5°	1314.2	1338.7	1314.2	1289.8	1283.6	1236.7	1174.2	1142.9	1118.9	1070.9	1035.0
155°	1275.1	1291.3	1275.1	1258.8	1254.8	1217.6	1167.8	1142.9	1124.6	1088.0	1060.6
157.5°	1244.2	1255.6	1244.2	1232.8	1230.0	1200.9	1162.3	1142.9	1130.3	1105.1	1086.2
160°	1225.8	1232.3	1225.8	1219.2	1217.6	1192.7	1159.6	1142.9	1132.9	1113.0	1097.9
162.5°	1213.6	1219.9	1213.6	1207.5	1205.9	1184.9	1156.9	1142.9	1135.7	1121.2	1110.3
165°	1196.3	1202.8	1196.3	1189.7	1188.0	1173.0	1152.9	1142.9	1139.7	1133.1	1128.2
167.5°	1183.7	1186.5	1183.7	1180.9	1180.2	1170.4	1157.2	1150.7	1147.9	1142.4	1138.3
170°	1180.2	1180.2	1180.2	1180.2	1180.2	1170.4	1157.2	1150.7	1150.5	1150.2	1149.9
172.5°	1171.0	1168.6	1171.0	1173.5	1174.0	1166.3	1155.9	1150.7	1150.7	1150.7	1150.7
175°	1165.4	1165.4	1165.4	1165.4	1165.4	1160.5	1154.0	1150.7	1152.3	1155.4	1157.7
177.5°	1160.5	1157.7	1160.5	1163.3	1164.0	1160.0	1154.9	1152.3	1153.5	1155.9	1157.7
180°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7



TEST NUMBER: P935296

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2645.7	2631.0	2631.0	2606.3	2596.4	2589.0	2576.6	2539.6	2529.7	2519.9	2534.7
5°	2668.0	2640.8	2621.1	2576.6	2539.6	2524.8	2477.9	2389.1	2329.9	2285.4	2260.7
7.5°	2672.9	2638.4	2601.4	2532.3	2443.3	2403.9	2260.7	2097.9	2053.4	2014.0	1989.2
10°	2668.0	2628.5	2576.6	2473.0	2263.2	2194.2	2051.0	1944.9	1917.7	1910.3	1917.7
12.5°	2650.7	2613.7	2542.1	2369.4	2075.6	2028.7	1944.9	1883.1	1878.2	1890.5	1957.2
15°	2621.1	2586.5	2502.7	2231.1	1972.0	1937.4	1878.2	1856.0	1883.1	1969.5	2169.4
17.5°	2591.5	2552.0	2448.3	2095.4	1893.0	1868.4	1826.3	1870.8	2023.8	2139.8	2206.5
20°	2552.0	2505.1	2386.7	1996.7	1836.2	1814.0	1794.3	1994.2	2110.2	2152.1	2189.2
22.5°	2505.1	2455.8	2302.7	1927.6	1777.0	1759.7	1772.1	2063.3	2110.2	2139.8	2171.9
25°	2443.3	2401.4	2204.0	1873.2	1730.1	1710.3	1757.2	2055.9	2083.0	2090.5	2154.6
27.5°	2386.7	2332.3	2100.3	1823.9	1673.4	1666.0	1769.6	2023.8	2043.6	2051.0	2120.1
30°	2317.5	2236.1	1984.3	1772.1	1614.1	1611.6	1772.1	1984.3	1979.4	1999.1	2068.2
32.5°	2246.0	2092.9	1853.5	1707.9	1557.4	1554.9	1754.8	1925.1	1920.1	1947.3	1999.1
35°	2179.3	1981.9	1675.8	1633.8	1485.8	1488.2	1712.9	1856.0	1858.5	1883.1	1915.3
37.5°	2110.2	1885.6	1480.9	1552.4	1416.7	1416.7	1656.1	1791.8	1786.9	1794.3	1838.7
40°	2028.7	1735.1	1308.1	1446.3	1352.5	1345.1	1587.0	1722.7	1705.4	1703.0	1764.7
42.5°	1942.3	1569.7	1179.7	1305.6	1278.5	1268.6	1503.1	1638.8	1606.7	1614.1	1693.1
45°	1848.6	1525.2	1081.0	1103.2	1202.0	1194.6	1411.7	1542.5	1520.4	1540.1	1621.5
47.5°	1754.8	1436.4	1049.0	915.7	1120.5	1118.0	1310.6	1448.7	1436.4	1456.2	1542.5
50°	1626.5	1337.7	1046.5	784.8	1029.2	1039.1	1189.6	1357.5	1357.5	1374.8	1466.0
52.5°	1461.1	1216.7	950.3	710.8	923.1	952.7	1083.4	1278.5	1283.4	1300.7	1382.1
55°	1310.6	1090.9	881.1	654.1	797.2	861.3	979.9	1197.0	1206.9	1224.2	1298.2
57.5°	1172.4	908.2	866.3	587.4	681.2	742.9	888.5	1118.0	1122.9	1137.8	1209.3
60°	1024.2	656.5	794.7	515.8	580.0	626.9	804.5	1024.2	1041.5	1051.4	1113.1
62.5°	856.4	476.3	720.7	466.4	530.6	540.5	735.5	935.4	957.6	965.0	1002.0
65°	609.6	399.8	612.1	424.5	478.8	481.3	661.5	844.1	863.9	876.2	903.3
67.5°	412.2	325.8	466.4	385.0	439.4	441.8	589.9	738.0	765.1	774.9	792.2
70°	286.3	217.2	345.5	343.1	394.9	399.8	513.3	641.7	666.4	673.8	683.7
72.5°	209.8	175.2	286.3	308.5	348.0	353.0	434.4	533.1	557.8	565.2	570.1
75°	160.5	185.1	232.0	269.0	296.2	298.6	355.4	434.4	451.7	456.6	459.1
77.5°	128.3	172.8	170.3	217.2	241.9	237.0	278.9	335.7	350.4	350.4	350.4
80°	96.3	135.7	128.3	155.5	177.7	172.8	199.9	239.4	244.3	249.3	246.8
82.5°	71.5	86.4	86.4	98.7	118.4	113.6	133.3	155.5	155.5	155.5	160.5
85°	44.5	49.3	39.5	51.8	66.6	64.2	74.1	83.9	86.4	86.4	81.4
87.5°	27.2	22.2	12.3	19.7	29.6	29.6	34.6	37.0	34.6	34.6	34.6
90°	20.2	14.0	7.8	14.0	20.2	21.8	34.2	50.7	59.0	52.5	39.3
92.5°	136.8	84.0	31.1	84.0	136.8	150.0	210.8	292.0	332.5	291.4	209.3
95°	268.0	171.3	74.6	171.3	268.0	292.2	518.7	820.9	972.0	867.4	658.1
97.5°	299.6	214.3	129.0	214.3	299.6	320.9	698.8	1202.6	1454.5	1388.4	1256.1
100°	325.7	248.3	170.9	248.3	325.7	345.0	764.3	1323.4	1602.9	1607.8	1617.4
102.5°	351.0	278.8	206.7	278.8	351.0	369.0	794.3	1361.3	1644.9	1729.1	1897.7
105°	389.5	328.4	267.3	328.4	389.5	404.8	816.6	1365.7	1640.2	1829.1	2206.9
107.5°	443.4	386.4	329.4	386.4	443.4	457.7	820.8	1304.9	1547.0	1810.5	2337.4
110°	474.3	422.8	371.4	422.8	474.3	487.2	814.5	1251.0	1469.3	1763.9	2352.9



TEST NUMBER: P935296

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	510.7	461.6	412.5	461.6	510.7	522.9	814.8	1204.0	1398.6	1700.1	2303.0
115°	565.3	520.0	474.8	520.0	565.3	576.6	822.3	1150.0	1313.9	1604.3	2185.2
117.5°	618.3	577.2	536.1	577.2	618.3	628.6	837.6	1116.2	1255.6	1517.7	2041.9
120°	649.2	610.6	571.9	610.6	649.2	658.8	850.0	1104.9	1232.3	1471.8	1950.8
122.5°	684.9	645.9	606.8	645.9	684.9	694.6	867.9	1098.9	1214.4	1430.0	1861.4
125°	731.6	696.0	660.4	696.0	731.6	740.5	892.0	1094.0	1195.0	1378.2	1744.6
127.5°	775.8	739.8	704.0	739.8	775.8	784.7	916.1	1091.2	1178.7	1336.0	1650.6
130°	804.5	765.9	727.2	765.9	804.5	814.3	933.6	1092.9	1172.5	1312.5	1592.6
132.5°	828.6	790.0	751.3	790.0	828.6	838.4	947.9	1094.0	1167.0	1292.4	1543.1
135°	857.6	822.3	787.1	822.3	857.6	866.4	963.5	1093.0	1157.7	1262.7	1472.6
137.5°	893.4	858.4	823.6	858.4	893.4	902.1	986.8	1099.7	1156.1	1244.8	1422.4
140°	918.1	886.0	853.9	886.0	918.1	926.2	1001.0	1100.8	1150.7	1227.4	1380.7
142.5°	936.6	906.9	877.2	906.9	936.6	944.0	1012.9	1104.7	1150.7	1218.0	1352.7
145°	964.8	938.9	913.0	938.9	964.8	971.3	1028.5	1104.8	1142.9	1198.0	1308.2
147.5°	999.1	973.9	948.7	973.9	999.1	1005.5	1051.3	1112.4	1142.9	1186.3	1272.9
150°	1017.6	994.8	972.0	994.8	1017.6	1023.3	1063.2	1116.3	1142.9	1179.5	1252.8
152.5°	1030.7	1013.4	996.1	1013.4	1030.7	1035.0	1070.9	1118.9	1142.9	1174.2	1236.7
155°	1057.4	1044.6	1031.8	1044.6	1057.4	1060.6	1088.0	1124.6	1142.9	1167.8	1217.6
157.5°	1083.2	1070.6	1058.2	1070.6	1083.2	1086.2	1105.1	1130.3	1142.9	1162.3	1200.9
160°	1095.5	1085.9	1076.2	1085.9	1095.5	1097.9	1113.0	1132.9	1142.9	1159.6	1192.7
162.5°	1108.6	1101.3	1094.0	1101.3	1108.6	1110.3	1121.2	1135.7	1142.9	1156.9	1184.9
165°	1126.5	1120.0	1113.4	1120.0	1126.5	1128.2	1133.1	1139.7	1142.9	1152.9	1173.0
167.5°	1137.5	1134.3	1131.3	1134.3	1137.5	1138.3	1142.4	1147.9	1150.7	1157.2	1170.4
170°	1149.2	1146.0	1142.9	1146.0	1149.2	1149.9	1150.2	1150.5	1150.7	1157.2	1170.4
172.5°	1150.5	1149.8	1149.2	1149.8	1150.5	1150.7	1150.7	1150.7	1150.7	1155.9	1166.3
175°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1155.4	1152.3	1150.7	1154.0	1160.5
177.5°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1155.9	1153.5	1152.3	1154.9	1160.0
180°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7



TEST NUMBER: P935296

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2517.4	2510.0	2519.9	2492.8	2519.9	2510.0	2517.4	2534.7	2519.9	2529.7	2539.6
5°	2208.9	2196.6	2157.1	2125.0	2157.1	2196.6	2208.9	2260.7	2285.4	2329.9	2389.1
7.5°	1974.5	1964.6	1954.7	1935.0	1954.7	1964.6	1974.5	1989.2	2014.0	2053.4	2097.9
10°	1922.6	1925.1	1939.9	1937.4	1939.9	1925.1	1922.6	1917.7	1910.3	1917.7	1944.9
12.5°	2055.9	2078.2	2159.6	2154.6	2159.6	2078.2	2055.9	1957.2	1890.5	1878.2	1883.1
15°	2208.9	2216.3	2233.6	2236.1	2233.6	2216.3	2208.9	2169.4	1969.5	1883.1	1856.0
17.5°	2223.8	2226.2	2238.5	2238.5	2238.5	2226.2	2223.8	2206.5	2139.8	2023.8	1870.8
20°	2211.4	2216.3	2241.0	2246.0	2241.0	2216.3	2211.4	2189.2	2152.1	2110.2	1994.2
22.5°	2206.5	2216.3	2236.1	2233.6	2236.1	2216.3	2206.5	2171.9	2139.8	2110.2	2063.3
25°	2181.7	2181.7	2184.3	2186.7	2184.3	2181.7	2181.7	2154.6	2090.5	2083.0	2055.9
27.5°	2130.0	2134.8	2149.7	2147.3	2149.7	2134.8	2130.0	2120.1	2051.0	2043.6	2023.8
30°	2083.0	2078.2	2065.7	2055.9	2065.7	2078.2	2083.0	2068.2	1999.1	1979.4	1984.3
32.5°	2004.1	1991.8	1979.4	1972.0	1979.4	1991.8	2004.1	1999.1	1947.3	1920.1	1925.1
35°	1910.3	1912.7	1910.3	1902.8	1910.3	1912.7	1910.3	1915.3	1883.1	1858.5	1856.0
37.5°	1843.6	1848.6	1846.1	1836.2	1846.1	1848.6	1843.6	1838.7	1794.3	1786.9	1791.8
40°	1774.5	1777.0	1774.5	1767.1	1774.5	1777.0	1774.5	1764.7	1703.0	1705.4	1722.7
42.5°	1707.9	1705.4	1698.0	1693.1	1698.0	1705.4	1707.9	1693.1	1614.1	1606.7	1638.8
45°	1631.4	1633.8	1619.1	1611.6	1619.1	1633.8	1631.4	1621.5	1540.1	1520.4	1542.5
47.5°	1554.9	1554.9	1542.5	1535.1	1542.5	1554.9	1554.9	1542.5	1456.2	1436.4	1448.7
50°	1473.5	1471.0	1453.7	1451.2	1453.7	1471.0	1473.5	1466.0	1374.8	1357.5	1357.5
52.5°	1379.6	1379.6	1382.1	1387.1	1382.1	1379.6	1379.6	1382.1	1300.7	1283.4	1278.5
55°	1298.2	1300.7	1318.0	1322.9	1318.0	1300.7	1298.2	1298.2	1224.2	1206.9	1197.0
57.5°	1214.3	1214.3	1226.6	1226.6	1226.6	1214.3	1214.3	1209.3	1137.8	1122.9	1118.0
60°	1118.0	1122.9	1132.8	1130.4	1132.8	1122.9	1118.0	1113.1	1051.4	1041.5	1024.2
62.5°	1016.8	1021.8	1024.2	1019.3	1024.2	1021.8	1016.8	1002.0	965.0	957.6	935.4
65°	910.7	915.7	918.1	913.2	918.1	915.7	910.7	903.3	876.2	863.9	844.1
67.5°	802.1	799.7	797.2	807.1	797.2	799.7	802.1	792.2	774.9	765.1	738.0
70°	691.1	691.1	688.5	693.5	688.5	691.1	691.1	683.7	673.8	666.4	641.7
72.5°	572.6	570.1	580.0	572.6	580.0	570.1	572.6	570.1	565.2	557.8	533.1
75°	456.6	461.5	456.6	464.0	456.6	461.5	456.6	459.1	456.6	451.7	434.4
77.5°	348.0	353.0	348.0	348.0	348.0	353.0	348.0	350.4	350.4	350.4	335.7
80°	246.8	244.3	244.3	241.9	244.3	244.3	246.8	246.8	249.3	244.3	239.4
82.5°	157.9	155.5	155.5	160.5	155.5	155.5	157.9	160.5	155.5	155.5	155.5
85°	86.4	88.8	83.9	83.9	83.9	88.8	86.4	81.4	86.4	86.4	83.9
87.5°	32.1	29.6	29.6	29.6	29.6	29.6	32.1	34.6	34.6	34.6	37.0
90°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	39.3	52.5	59.0	50.7
92.5°	147.7	141.8	118.3	94.8	118.3	141.8	147.7	209.3	291.4	332.5	292.0
95°	501.2	483.4	412.3	341.1	412.3	483.4	501.2	658.1	867.4	972.0	820.9
97.5°	1156.9	1123.1	987.7	852.4	987.7	1123.1	1156.9	1256.1	1388.4	1454.5	1202.6
100°	1624.7	1584.3	1423.1	1261.8	1423.1	1584.3	1624.7	1617.4	1607.8	1602.9	1323.4
102.5°	2024.1	1989.5	1851.4	1713.2	1851.4	1989.5	2024.1	1897.7	1729.1	1644.9	1361.3
105°	2490.2	2471.6	2397.4	2323.1	2397.4	2471.6	2490.2	2206.9	1829.1	1640.2	1365.7
107.5°	2732.6	2737.1	2755.1	2773.0	2755.1	2737.1	2732.6	2337.4	1810.5	1547.0	1304.9
110°	2794.8	2814.1	2891.5	2968.8	2891.5	2814.1	2794.8	2352.9	1763.9	1469.3	1251.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2755.2	2784.9	2903.6	3022.4	2903.6	2784.9	2755.2	2303.0	1700.1	1398.6	1204.0
115°	2620.8	2662.0	2826.7	2991.4	2826.7	2662.0	2620.8	2185.2	1604.3	1313.9	1150.0
117.5°	2435.0	2480.7	2663.4	2846.1	2663.4	2480.7	2435.0	2041.9	1517.7	1255.6	1116.2
120°	2310.0	2354.3	2531.9	2709.3	2531.9	2354.3	2310.0	1950.8	1471.8	1232.3	1104.9
122.5°	2184.9	2228.7	2403.7	2578.8	2403.7	2228.7	2184.9	1861.4	1430.0	1214.4	1098.9
125°	2019.4	2059.8	2221.0	2382.3	2221.0	2059.8	2019.4	1744.6	1378.2	1195.0	1094.0
127.5°	1886.5	1920.5	2056.6	2192.7	2056.6	1920.5	1886.5	1650.6	1336.0	1178.7	1091.2
130°	1802.6	1834.0	1959.7	2085.4	1959.7	1834.0	1802.6	1592.6	1312.5	1172.5	1092.9
132.5°	1731.1	1759.2	1871.8	1984.4	1871.8	1759.2	1731.1	1543.1	1292.4	1167.0	1094.0
135°	1630.1	1654.4	1751.4	1848.5	1751.4	1654.4	1630.1	1472.6	1262.7	1157.7	1093.0
137.5°	1555.5	1575.4	1654.8	1734.3	1654.8	1575.4	1555.5	1422.4	1244.8	1156.1	1099.7
140°	1495.7	1514.3	1588.5	1662.7	1588.5	1514.3	1495.7	1380.7	1227.4	1150.7	1100.8
142.5°	1453.8	1469.7	1533.6	1597.5	1533.6	1469.7	1453.8	1352.7	1218.0	1150.7	1104.7
145°	1390.8	1402.9	1451.2	1499.5	1451.2	1402.9	1390.8	1308.2	1198.0	1142.9	1104.8
147.5°	1338.0	1347.9	1388.0	1428.1	1388.0	1347.9	1338.0	1272.9	1186.3	1142.9	1112.4
150°	1307.7	1315.8	1348.2	1380.7	1348.2	1315.8	1307.7	1252.8	1179.5	1142.9	1116.3
152.5°	1283.6	1289.8	1314.2	1338.7	1314.2	1289.8	1283.6	1236.7	1174.2	1142.9	1118.9
155°	1254.8	1258.8	1275.1	1291.3	1275.1	1258.8	1254.8	1217.6	1167.8	1142.9	1124.6
157.5°	1230.0	1232.8	1244.2	1255.6	1244.2	1232.8	1230.0	1200.9	1162.3	1142.9	1130.3
160°	1217.6	1219.2	1225.8	1232.3	1225.8	1219.2	1217.6	1192.7	1159.6	1142.9	1132.9
162.5°	1205.9	1207.5	1213.6	1219.9	1213.6	1207.5	1205.9	1184.9	1156.9	1142.9	1135.7
165°	1188.0	1189.7	1196.3	1202.8	1196.3	1189.7	1188.0	1173.0	1152.9	1142.9	1139.7
167.5°	1180.2	1180.9	1183.7	1186.5	1183.7	1180.9	1180.2	1170.4	1157.2	1150.7	1147.9
170°	1180.2	1180.2	1180.2	1180.2	1180.2	1180.2	1180.2	1170.4	1157.2	1150.7	1150.5
172.5°	1174.0	1173.5	1171.0	1168.6	1171.0	1173.5	1174.0	1166.3	1155.9	1150.7	1150.7
175°	1165.4	1165.4	1165.4	1165.4	1165.4	1165.4	1165.4	1160.5	1154.0	1150.7	1152.3
177.5°	1164.0	1163.3	1160.5	1157.7	1160.5	1163.3	1164.0	1160.0	1154.9	1152.3	1153.5
180°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2608.8	2608.8	2608.8	2608.8	2608.8
2.5°	2576.6	2589.0	2596.4	2606.3	2631.0
5°	2477.9	2524.8	2539.6	2576.6	2621.1
7.5°	2260.7	2403.9	2443.3	2532.3	2601.4
10°	2051.0	2194.2	2263.2	2473.0	2576.6
12.5°	1944.9	2028.7	2075.6	2369.4	2542.1
15°	1878.2	1937.4	1972.0	2231.1	2502.7
17.5°	1826.3	1868.4	1893.0	2095.4	2448.3
20°	1794.3	1814.0	1836.2	1996.7	2386.7
22.5°	1772.1	1759.7	1777.0	1927.6	2302.7
25°	1757.2	1710.3	1730.1	1873.2	2204.0
27.5°	1769.6	1666.0	1673.4	1823.9	2100.3
30°	1772.1	1611.6	1614.1	1772.1	1984.3
32.5°	1754.8	1554.9	1557.4	1707.9	1853.5
35°	1712.9	1488.2	1485.8	1633.8	1675.8
37.5°	1656.1	1416.7	1416.7	1552.4	1480.9
40°	1587.0	1345.1	1352.5	1446.3	1308.1
42.5°	1503.1	1268.6	1278.5	1305.6	1179.7
45°	1411.7	1194.6	1202.0	1103.2	1081.0
47.5°	1310.6	1118.0	1120.5	915.7	1049.0
50°	1189.6	1039.1	1029.2	784.8	1046.5
52.5°	1083.4	952.7	923.1	710.8	950.3
55°	979.9	861.3	797.2	654.1	881.1
57.5°	888.5	742.9	681.2	587.4	866.3
60°	804.5	626.9	580.0	515.8	794.7
62.5°	735.5	540.5	530.6	466.4	720.7
65°	661.5	481.3	478.8	424.5	612.1
67.5°	589.9	441.8	439.4	385.0	466.4
70°	513.3	399.8	394.9	343.1	345.5
72.5°	434.4	353.0	348.0	308.5	286.3
75°	355.4	298.6	296.2	269.0	232.0
77.5°	278.9	237.0	241.9	217.2	170.3
80°	199.9	172.8	177.7	155.5	128.3
82.5°	133.3	113.6	118.4	98.7	86.4
85°	74.1	64.2	66.6	51.8	39.5
87.5°	34.6	29.6	29.6	19.7	12.3
90°	34.2	21.8	20.2	14.0	7.8
92.5°	210.8	150.0	136.8	84.0	31.1
95°	518.7	292.2	268.0	171.3	74.6
97.5°	698.8	320.9	299.6	214.3	129.0
100°	764.3	345.0	325.7	248.3	170.9
102.5°	794.3	369.0	351.0	278.8	206.7
105°	816.6	404.8	389.5	328.4	267.3
107.5°	820.8	457.7	443.4	386.4	329.4
110°	814.5	487.2	474.3	422.8	371.4



TEST NUMBER: P935296

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	814.8	522.9	510.7	461.6	412.5
115°	822.3	576.6	565.3	520.0	474.8
117.5°	837.6	628.6	618.3	577.2	536.1
120°	850.0	658.8	649.2	610.6	571.9
122.5°	867.9	694.6	684.9	645.9	606.8
125°	892.0	740.5	731.6	696.0	660.4
127.5°	916.1	784.7	775.8	739.8	704.0
130°	933.6	814.3	804.5	765.9	727.2
132.5°	947.9	838.4	828.6	790.0	751.3
135°	963.5	866.4	857.6	822.3	787.1
137.5°	986.8	902.1	893.4	858.4	823.6
140°	1001.0	926.2	918.1	886.0	853.9
142.5°	1012.9	944.0	936.6	906.9	877.2
145°	1028.5	971.3	964.8	938.9	913.0
147.5°	1051.3	1005.5	999.1	973.9	948.7
150°	1063.2	1023.3	1017.6	994.8	972.0
152.5°	1070.9	1035.0	1030.7	1013.4	996.1
155°	1088.0	1060.6	1057.4	1044.6	1031.8
157.5°	1105.1	1086.2	1083.2	1070.6	1058.2
160°	1113.0	1097.9	1095.5	1085.9	1076.2
162.5°	1121.2	1110.3	1108.6	1101.3	1094.0
165°	1133.1	1128.2	1126.5	1120.0	1113.4
167.5°	1142.4	1138.3	1137.5	1134.3	1131.3
170°	1150.2	1149.9	1149.2	1146.0	1142.9
172.5°	1150.7	1150.7	1150.5	1149.8	1149.2
175°	1155.4	1157.7	1157.7	1157.7	1157.7
177.5°	1155.9	1157.7	1157.7	1157.7	1157.7
180°	1157.7	1157.7	1157.7	1157.7	1157.7



TEST NUMBER: P935296
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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	13.23	14.07	14.21	15.06	16.37	16.06	16.90	17.04	17.90	19.20
	3H	13.70	14.45	14.69	15.46	16.78	17.41	18.16	18.40	19.16	20.49
	4H	13.89	14.60	14.90	15.61	16.95	17.86	18.57	18.86	19.57	20.91
	6H	14.01	14.67	15.02	15.67	17.02	18.14	18.80	19.16	19.81	21.16
	8H	14.01	14.63	15.03	15.66	17.01	18.22	18.84	19.24	19.87	21.21
	12H	13.98	14.57	15.01	15.59	16.96	18.26	18.85	19.28	19.87	21.24
4H	2H	14.26	14.97	15.27	15.97	17.31	16.47	17.18	17.48	18.19	19.52
	3H	15.28	15.88	16.30	16.91	18.26	17.98	18.57	19.00	19.60	20.95
	4H	15.56	16.10	16.59	17.13	18.50	18.51	19.05	19.53	20.07	21.45
	6H	15.68	16.15	16.72	17.20	18.57	18.87	19.34	19.91	20.39	21.76
	8H	15.69	16.12	16.73	17.17	18.55	18.98	19.41	20.02	20.46	21.84
	12H	15.65	16.05	16.71	17.10	18.49	19.04	19.43	20.09	20.49	21.88
8H	4H	16.01	16.45	17.05	17.49	18.87	18.63	19.06	19.67	20.11	21.49
	6H	16.27	16.63	17.33	17.72	19.10	19.07	19.43	20.13	20.51	21.89
	8H	16.31	16.63	17.38	17.70	19.10	19.22	19.53	20.29	20.60	22.01
	12H	16.30	16.58	17.37	17.64	19.08	19.32	19.60	20.39	20.66	22.10
12H	4H	16.02	16.41	17.07	17.47	18.86	18.59	18.98	19.65	20.04	21.43
	6H	16.33	16.65	17.40	17.72	19.12	19.06	19.38	20.13	20.45	21.85
	8H	16.40	16.68	17.47	17.74	19.18	19.22	19.50	20.30	20.57	22.01