

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: P935304

Luminaire Tested: SQ4-FA-100U-100D-B40-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935304
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-B40-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

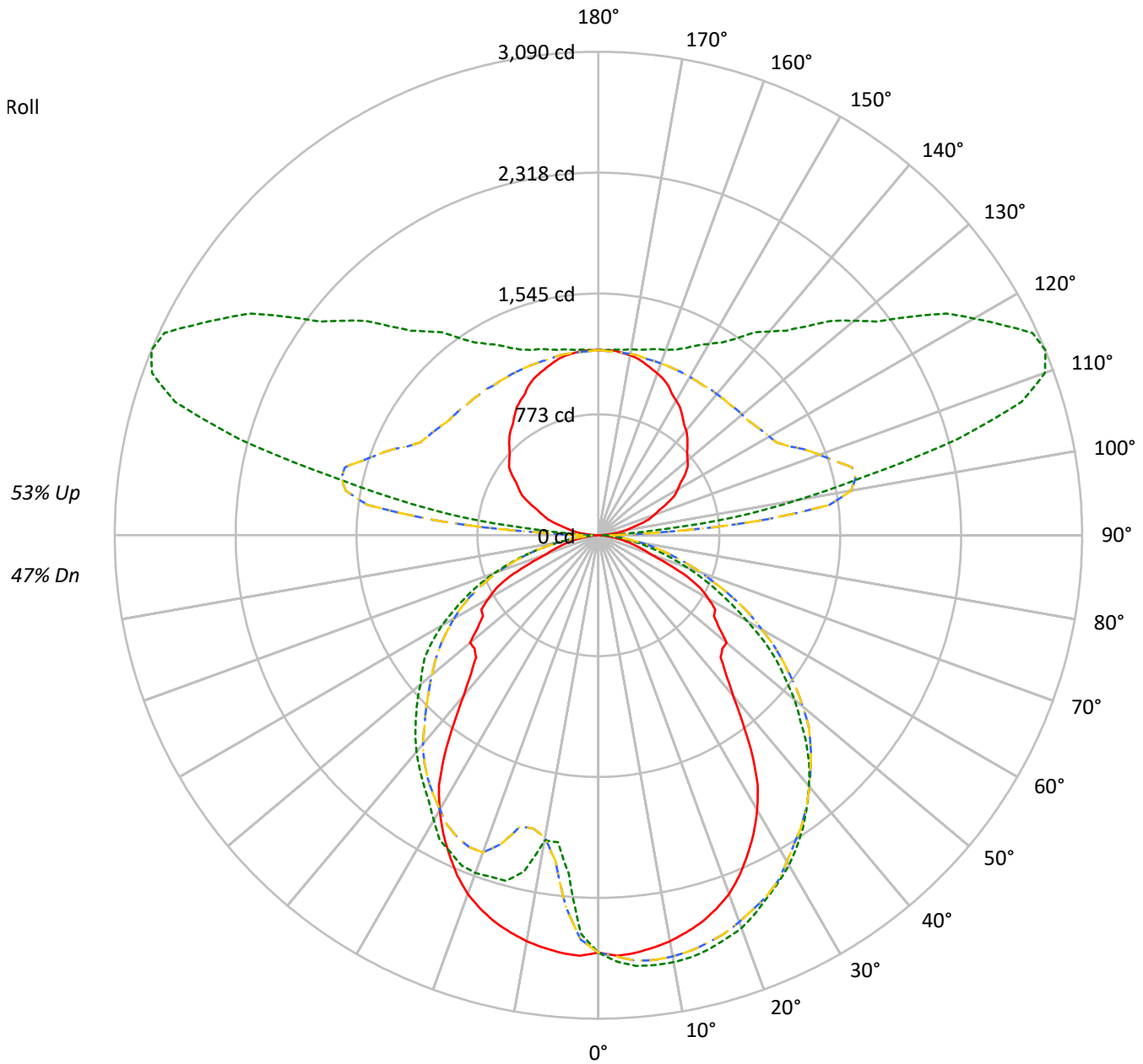
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14594.3 lumens
Efficiency: N/A
Efficacy: 125.8 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: P935304
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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	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12376	12376	12376	12376
5°	12468	12493	12468	9823
10°	12385	12306	12385	8798
15°	12250	12039	12250	10053
20°	11994	11724	11994	10074
25°	11469	11263	11469	9860
30°	10792	10880	10792	9392
35°	9621	10397	9621	8877
40°	8017	9827	8017	8488
45°	7163	9160	7163	8040
50°	7610	8365	7610	7591
55°	7160	7509	7160	7331
60°	7381	6378	7381	6715
65°	6691	5272	6691	5893
70°	4634	4202	4634	4939
75°	4063	3106	4063	3719
80°	3273	2053	3273	2236
85°	1882	1087	1882	924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10978 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.8	1.6
10°-20°	683.6	4.7
20°-30°	1056.8	7.2
30°-40°	1261.6	8.6
40°-50°	1269.0	8.7
50°-60°	1104.2	7.6
60°-70°	782.9	5.4
70°-80°	414.2	2.8
80°-90°	107.7	0.7
90°-100°	577.0	4.0
100°-110°	1517.0	10.4
110°-120°	1573.0	10.8
120°-130°	1261.7	8.6
130°-140°	990.0	6.8
140°-150°	759.9	5.2
150°-160°	547.2	3.7
160°-170°	334.8	2.3
170°-180°	113.1	0.8
0°-30°	1981.2	13.6
0°-40°	3242.8	22.2
0°-60°	5615.9	38.5
0°-90°	6920.6	47.4
90°-120°	3667.0	25.1
90°-150°	6678.5	45.8
90°-180°	7674.0	52.6
0°-180°	14594.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2667	2667	2667	2667	2667	
5°	2680	2763	2680	2173	2680	254
15°	2559	2738	2559	2286	2559	720
25°	2254	2554	2254	2236	2254	1035
35°	1714	2279	1714	1946	1714	1060
45°	1105	1878	1105	1648	1105	885
55°	901	1385	901	1353	901	828
65°	626	835	626	934	626	598
75°	237	396	237	474	237	249
85°	40	101	40	86	40	55
90°	8	30	8	30	8	8
95°	76	349	76	349	76	85
105°	273	2375	273	2375	273	290
115°	485	3059	485	3059	485	479
125°	675	2436	675	2436	675	600
135°	805	1890	805	1890	805	623
145°	934	1533	934	1533	934	585
155°	1055	1320	1055	1320	1055	485
165°	1138	1230	1138	1230	1138	321
175°	1184	1192	1184	1192	1184	112
180°	1184	1184	1184	1184	1184	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2690.1	2690.1	2705.2	2710.3	2710.3	2702.7	2695.2	2702.7	2725.5	2733.0	2730.5
5°	2680.0	2700.2	2728.0	2733.0	2738.1	2735.5	2730.5	2735.5	2760.8	2765.9	2768.4
7.5°	2659.9	2697.7	2733.0	2740.6	2748.2	2740.6	2738.1	2743.1	2768.4	2773.4	2773.4
10°	2634.6	2687.6	2728.0	2733.0	2740.6	2733.0	2733.0	2743.1	2768.4	2773.4	2775.9
12.5°	2599.2	2672.5	2710.3	2715.4	2725.5	2722.9	2720.4	2730.5	2755.7	2760.8	2760.8
15°	2558.9	2644.7	2680.0	2685.1	2702.7	2697.7	2697.7	2707.8	2735.5	2743.1	2740.6
17.5°	2503.3	2609.3	2649.7	2657.3	2669.9	2667.4	2669.9	2680.0	2705.2	2710.3	2712.9
20°	2440.3	2561.4	2609.3	2616.9	2629.6	2629.6	2629.6	2642.2	2667.4	2677.5	2677.5
22.5°	2354.5	2511.0	2561.4	2566.5	2581.6	2581.6	2586.6	2604.3	2627.0	2629.6	2629.6
25°	2253.5	2455.4	2498.3	2513.5	2528.6	2536.2	2543.7	2553.9	2561.4	2558.9	2561.4
27.5°	2147.5	2384.7	2440.3	2450.3	2470.6	2478.1	2488.3	2490.7	2493.3	2500.9	2495.8
30°	2028.9	2286.4	2369.6	2379.8	2412.5	2417.6	2407.5	2412.5	2425.1	2430.2	2435.2
32.5°	1895.2	2140.0	2296.5	2319.1	2349.4	2334.3	2331.7	2339.4	2359.5	2359.5	2364.6
35°	1713.5	2026.4	2228.3	2248.5	2271.2	2253.5	2263.6	2266.1	2278.8	2286.4	2283.8
37.5°	1514.2	1928.0	2157.6	2172.8	2190.5	2167.8	2182.8	2190.5	2200.5	2195.5	2195.5
40°	1337.5	1774.1	2074.4	2084.5	2099.6	2081.9	2097.1	2102.1	2107.2	2102.1	2099.6
42.5°	1206.3	1605.0	1986.0	1998.6	1988.6	2001.2	2006.3	2016.3	2008.7	1998.6	1998.6
45°	1105.3	1559.5	1890.1	1905.3	1890.1	1910.4	1917.9	1917.9	1895.2	1890.1	1887.7
47.5°	1072.6	1468.7	1794.3	1794.3	1786.7	1811.9	1824.5	1806.9	1784.1	1776.6	1776.6
50°	1070.0	1367.8	1663.0	1652.9	1688.2	1718.5	1705.9	1688.2	1670.6	1642.8	1642.8
52.5°	971.6	1244.1	1493.9	1531.8	1587.3	1605.0	1584.8	1567.2	1536.9	1524.3	1514.2
55°	900.9	1115.4	1340.1	1415.7	1473.8	1496.5	1458.6	1441.0	1395.5	1388.0	1382.9
57.5°	885.8	928.6	1198.7	1294.6	1365.3	1362.7	1340.1	1307.2	1269.4	1261.7	1259.3
60°	812.6	671.3	1047.3	1160.8	1234.1	1226.4	1206.3	1176.0	1140.7	1135.6	1130.5
62.5°	736.9	487.0	875.6	1004.4	1107.8	1105.3	1087.6	1042.2	1017.0	1004.4	994.3
65°	625.8	408.8	623.3	835.3	984.2	989.2	951.4	918.6	890.8	875.6	873.2
67.5°	476.9	333.1	421.4	696.5	865.6	860.6	812.6	797.4	762.1	754.5	739.4
70°	353.3	222.0	292.7	565.3	749.5	736.9	699.1	681.4	648.5	630.9	620.8
72.5°	292.7	179.2	214.5	439.1	630.9	615.8	582.9	562.8	535.0	519.8	509.8
75°	237.2	189.3	164.1	325.6	512.3	502.2	471.9	451.7	429.0	408.8	411.3
77.5°	174.1	176.7	131.2	239.7	406.3	391.2	373.5	348.3	338.2	318.0	318.0
80°	131.2	138.8	98.5	164.1	292.7	292.7	277.6	260.0	242.3	232.2	232.2
82.5°	88.3	88.3	73.2	103.4	199.4	191.8	181.7	176.7	166.6	161.5	161.5
85°	40.4	50.4	45.5	63.1	108.5	113.5	113.5	108.5	106.0	100.9	103.4
87.5°	12.6	22.7	27.8	35.3	55.5	58.1	60.5	60.5	60.5	63.1	63.1
90°	7.9	14.3	20.6	22.3	35.0	51.9	60.4	53.7	40.2	30.2	30.2
92.5°	31.8	85.9	139.9	153.4	215.5	298.5	340.0	298.0	214.0	151.0	145.0
95°	76.3	175.1	274.0	298.7	530.4	839.3	993.9	886.9	672.9	512.5	494.3
97.5°	131.9	219.1	306.4	328.1	714.5	1229.7	1487.2	1419.6	1284.4	1183.0	1148.4
100°	174.8	253.8	333.0	352.8	781.5	1353.1	1639.0	1643.9	1653.8	1661.2	1620.0
102.5°	211.3	285.1	358.9	377.3	812.1	1391.9	1681.9	1768.0	1940.4	2069.6	2034.2
105°	273.3	335.8	398.2	413.9	835.0	1396.4	1677.1	1870.2	2256.5	2546.2	2527.2
107.5°	336.8	395.1	453.3	468.0	839.3	1334.2	1581.8	1851.2	2390.0	2794.0	2798.6
110°	379.7	432.3	484.9	498.1	832.9	1279.1	1502.3	1803.5	2405.8	2857.6	2877.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	421.8	472.0	522.2	534.7	833.1	1231.1	1430.0	1738.3	2354.7	2817.2	2847.5
115°	485.4	531.6	578.0	589.5	840.8	1175.9	1343.4	1640.4	2234.3	2679.7	2721.8
117.5°	548.2	590.2	632.2	642.7	856.4	1141.3	1283.8	1551.8	2087.8	2489.8	2536.5
120°	584.7	624.3	663.8	673.7	869.1	1129.8	1260.0	1504.9	1994.6	2361.9	2407.3
122.5°	620.5	660.4	700.3	710.2	887.4	1123.6	1241.7	1462.2	1903.2	2234.0	2278.8
125°	675.3	711.7	748.1	757.1	912.0	1118.6	1221.8	1409.2	1783.8	2064.8	2106.1
127.5°	719.8	756.5	793.2	802.4	936.7	1115.7	1205.2	1366.0	1687.7	1928.9	1963.7
130°	743.6	783.1	822.6	832.6	954.6	1117.4	1198.8	1342.0	1628.4	1843.2	1875.2
132.5°	768.2	807.7	847.3	857.2	969.2	1118.6	1193.3	1321.4	1577.8	1770.0	1798.7
135°	804.8	840.8	876.9	885.9	985.2	1117.5	1183.7	1291.1	1505.7	1666.8	1691.6
137.5°	842.1	877.7	913.5	922.3	1009.0	1124.4	1182.1	1272.8	1454.4	1590.5	1610.8
140°	873.1	905.9	938.8	947.0	1023.5	1125.6	1176.6	1255.0	1411.8	1529.3	1548.3
142.5°	896.9	927.3	957.7	965.2	1035.7	1129.6	1176.6	1245.4	1383.1	1486.5	1502.8
145°	933.5	960.0	986.5	993.1	1051.6	1129.7	1168.6	1225.0	1337.6	1422.1	1434.4
147.5°	970.0	995.8	1021.6	1028.1	1074.9	1137.4	1168.6	1212.9	1301.6	1368.0	1378.3
150°	993.9	1017.2	1040.5	1046.3	1087.1	1141.4	1168.6	1206.1	1280.9	1337.1	1345.4
152.5°	1018.5	1036.2	1053.8	1058.2	1095.0	1144.1	1168.6	1200.6	1264.5	1312.5	1318.8
155°	1055.0	1068.1	1081.2	1084.4	1112.5	1149.9	1168.6	1194.0	1244.9	1283.0	1287.1
157.5°	1082.0	1094.7	1107.5	1110.7	1130.0	1155.7	1168.6	1188.4	1227.9	1257.6	1260.5
160°	1100.4	1110.3	1120.1	1122.6	1138.0	1158.4	1168.6	1185.6	1219.5	1244.9	1246.7
162.5°	1118.6	1126.0	1133.5	1135.3	1146.4	1161.2	1168.6	1183.0	1211.5	1233.0	1234.6
165°	1138.5	1145.1	1151.8	1153.5	1158.6	1165.3	1168.6	1178.9	1199.4	1214.8	1216.5
167.5°	1156.7	1159.8	1163.1	1163.9	1168.1	1173.7	1176.6	1183.2	1196.7	1206.7	1207.4
170°	1168.6	1171.8	1175.0	1175.8	1176.1	1176.4	1176.6	1183.2	1196.7	1206.7	1206.7
172.5°	1175.0	1175.7	1176.4	1176.6	1176.6	1176.6	1176.6	1181.9	1192.5	1200.4	1199.9
175°	1183.7	1183.7	1183.7	1183.7	1181.3	1178.2	1176.6	1179.9	1186.6	1191.6	1191.6
177.5°	1183.7	1183.7	1183.7	1183.7	1181.9	1179.4	1178.2	1180.9	1186.1	1190.1	1189.5
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2735.5	2728.0	2735.5	2730.5	2733.0	2725.5	2702.7	2695.2	2702.7	2710.3	2710.3
5°	2768.4	2763.3	2768.4	2768.4	2765.9	2760.8	2735.5	2730.5	2735.5	2738.1	2733.0
7.5°	2778.5	2770.8	2778.5	2773.4	2773.4	2768.4	2743.1	2738.1	2740.6	2748.2	2740.6
10°	2778.5	2770.8	2778.5	2775.9	2773.4	2768.4	2743.1	2733.0	2733.0	2740.6	2733.0
12.5°	2765.9	2760.8	2765.9	2760.8	2760.8	2755.7	2730.5	2720.4	2722.9	2725.5	2715.4
15°	2745.6	2738.1	2745.6	2740.6	2743.1	2735.5	2707.8	2697.7	2697.7	2702.7	2685.1
17.5°	2715.4	2705.2	2715.4	2712.9	2710.3	2705.2	2680.0	2669.9	2667.4	2669.9	2657.3
20°	2680.0	2672.5	2680.0	2677.5	2677.5	2667.4	2642.2	2629.6	2629.6	2629.6	2616.9
22.5°	2624.5	2616.9	2624.5	2629.6	2629.6	2627.0	2604.3	2586.6	2581.6	2581.6	2566.5
25°	2561.4	2553.9	2561.4	2561.4	2558.9	2561.4	2553.9	2543.7	2536.2	2528.6	2513.5
27.5°	2500.9	2495.8	2500.9	2495.8	2500.9	2493.3	2490.7	2488.3	2478.1	2470.6	2450.3
30°	2440.3	2435.2	2440.3	2435.2	2430.2	2425.1	2412.5	2407.5	2417.6	2412.5	2379.8
32.5°	2364.6	2359.5	2364.6	2364.6	2359.5	2359.5	2339.4	2331.7	2334.3	2349.4	2319.1
35°	2286.4	2278.8	2286.4	2283.8	2286.4	2278.8	2266.1	2263.6	2253.5	2271.2	2248.5
37.5°	2195.5	2187.9	2195.5	2195.5	2195.5	2200.5	2190.5	2182.8	2167.8	2190.5	2172.8
40°	2102.1	2092.0	2102.1	2099.6	2102.1	2107.2	2102.1	2097.1	2081.9	2099.6	2084.5
42.5°	1996.1	1993.7	1996.1	1998.6	1998.6	2008.7	2016.3	2006.3	2001.2	1988.6	1998.6
45°	1882.6	1877.5	1882.6	1887.7	1890.1	1895.2	1917.9	1917.9	1910.4	1890.1	1905.3
47.5°	1761.4	1748.8	1761.4	1776.6	1776.6	1784.1	1806.9	1824.5	1811.9	1786.7	1794.3
50°	1632.8	1635.2	1632.8	1642.8	1642.8	1670.6	1688.2	1705.9	1718.5	1688.2	1652.9
52.5°	1506.6	1504.0	1506.6	1514.2	1524.3	1536.9	1567.2	1584.8	1605.0	1587.3	1531.8
55°	1380.4	1385.4	1380.4	1382.9	1388.0	1395.5	1441.0	1458.6	1496.5	1473.8	1415.7
57.5°	1254.2	1246.7	1254.2	1259.3	1261.7	1269.4	1307.2	1340.1	1362.7	1365.3	1294.6
60°	1107.8	1097.8	1107.8	1130.5	1135.6	1140.7	1176.0	1206.3	1226.4	1234.1	1160.8
62.5°	979.2	961.5	979.2	994.3	1004.4	1017.0	1042.2	1087.6	1105.3	1107.8	1004.4
65°	842.9	835.3	842.9	873.2	875.6	890.8	918.6	951.4	989.2	984.2	835.3
67.5°	719.2	719.2	719.2	739.4	754.5	762.1	797.4	812.6	860.6	865.6	696.5
70°	605.7	603.2	605.7	620.8	630.9	648.5	681.4	699.1	736.9	749.5	565.3
72.5°	497.2	494.6	497.2	509.8	519.8	535.0	562.8	582.9	615.8	630.9	439.1
75°	401.3	396.2	401.3	411.3	408.8	429.0	451.7	471.9	502.2	512.3	325.6
77.5°	307.9	307.9	307.9	318.0	318.0	338.2	348.3	373.5	391.2	406.3	239.7
80°	229.7	227.1	229.7	232.2	232.2	242.3	260.0	277.6	292.7	292.7	164.1
82.5°	161.5	156.4	161.5	161.5	161.5	166.6	176.7	181.7	191.8	199.4	103.4
85°	100.9	100.9	100.9	103.4	100.9	106.0	108.5	113.5	113.5	108.5	63.1
87.5°	65.6	63.1	65.6	63.1	63.1	60.5	60.5	60.5	58.1	55.5	35.3
90°	30.2	30.2	30.2	30.2	30.2	40.2	53.7	60.4	51.9	35.0	22.3
92.5°	121.0	96.9	121.0	145.0	151.0	214.0	298.0	340.0	298.5	215.5	153.4
95°	421.5	348.8	421.5	494.3	512.5	672.9	886.9	993.9	839.3	530.4	298.7
97.5°	1009.9	871.5	1009.9	1148.4	1183.0	1284.4	1419.6	1487.2	1229.7	714.5	328.1
100°	1455.1	1290.2	1455.1	1620.0	1661.2	1653.8	1643.9	1639.0	1353.1	781.5	352.8
102.5°	1893.0	1751.8	1893.0	2034.2	2069.6	1940.4	1768.0	1681.9	1391.9	812.1	377.3
105°	2451.3	2375.4	2451.3	2527.2	2546.2	2256.5	1870.2	1677.1	1396.4	835.0	413.9
107.5°	2817.1	2835.4	2817.1	2798.6	2794.0	2390.0	1851.2	1581.8	1334.2	839.3	468.0
110°	2956.5	3035.6	2956.5	2877.4	2857.6	2405.8	1803.5	1502.3	1279.1	832.9	498.1



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CATALOG NUMBER: SQ4-FA-100U-100D-B40-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2968.9	3090.4	2968.9	2847.5	2817.2	2354.7	1738.3	1430.0	1231.1	833.1	534.7
115°	2890.2	3058.7	2890.2	2721.8	2679.7	2234.3	1640.4	1343.4	1175.9	840.8	589.5
117.5°	2723.3	2910.1	2723.3	2536.5	2489.8	2087.8	1551.8	1283.8	1141.3	856.4	642.7
120°	2588.8	2770.3	2588.8	2407.3	2361.9	1994.6	1504.9	1260.0	1129.8	869.1	673.7
122.5°	2457.8	2636.8	2457.8	2278.8	2234.0	1903.2	1462.2	1241.7	1123.6	887.4	710.2
125°	2270.9	2435.8	2270.9	2106.1	2064.8	1783.8	1409.2	1221.8	1118.6	912.0	757.1
127.5°	2102.8	2242.0	2102.8	1963.7	1928.9	1687.7	1366.0	1205.2	1115.7	936.7	802.4
130°	2003.8	2132.3	2003.8	1875.2	1843.2	1628.4	1342.0	1198.8	1117.4	954.6	832.6
132.5°	1913.9	2029.0	1913.9	1798.7	1770.0	1577.8	1321.4	1193.3	1118.6	969.2	857.2
135°	1790.8	1890.0	1790.8	1691.6	1666.8	1505.7	1291.1	1183.7	1117.5	985.2	885.9
137.5°	1692.0	1773.2	1692.0	1610.8	1590.5	1454.4	1272.8	1182.1	1124.4	1009.0	922.3
140°	1624.2	1700.1	1624.2	1548.3	1529.3	1411.8	1255.0	1176.6	1125.6	1023.5	947.0
142.5°	1568.1	1633.4	1568.1	1502.8	1486.5	1383.1	1245.4	1176.6	1129.6	1035.7	965.2
145°	1483.9	1533.3	1483.9	1434.4	1422.1	1337.6	1225.0	1168.6	1129.7	1051.6	993.1
147.5°	1419.2	1460.2	1419.2	1378.3	1368.0	1301.6	1212.9	1168.6	1137.4	1074.9	1028.1
150°	1378.5	1411.8	1378.5	1345.4	1337.1	1280.9	1206.1	1168.6	1141.4	1087.1	1046.3
152.5°	1343.8	1368.8	1343.8	1318.8	1312.5	1264.5	1200.6	1168.6	1144.1	1095.0	1058.2
155°	1303.8	1320.4	1303.8	1287.1	1283.0	1244.9	1194.0	1168.6	1149.9	1112.5	1084.4
157.5°	1272.2	1283.8	1272.2	1260.5	1257.6	1227.9	1188.4	1168.6	1155.7	1130.0	1110.7
160°	1253.3	1260.0	1253.3	1246.7	1244.9	1219.5	1185.6	1168.6	1158.4	1138.0	1122.6
162.5°	1240.9	1247.3	1240.9	1234.6	1233.0	1211.5	1183.0	1168.6	1161.2	1146.4	1135.3
165°	1223.2	1229.8	1223.2	1216.5	1214.8	1199.4	1178.9	1168.6	1165.3	1158.6	1153.5
167.5°	1210.3	1213.1	1210.3	1207.4	1206.7	1196.7	1183.2	1176.6	1173.7	1168.1	1163.9
170°	1206.7	1206.7	1206.7	1206.7	1206.7	1196.7	1183.2	1176.6	1176.4	1176.1	1175.8
172.5°	1197.4	1194.9	1197.4	1199.9	1200.4	1192.5	1181.9	1176.6	1176.6	1176.6	1176.6
175°	1191.6	1191.6	1191.6	1191.6	1191.6	1186.6	1179.9	1176.6	1178.2	1181.3	1183.7
177.5°	1186.6	1183.7	1186.6	1189.5	1190.1	1186.1	1180.9	1178.2	1179.4	1181.9	1183.7
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



TEST NUMBER: P935304

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2705.2	2690.1	2690.1	2664.9	2654.8	2647.3	2634.6	2596.7	2586.6	2576.6	2591.7
5°	2728.0	2700.2	2680.0	2634.6	2596.7	2581.6	2533.6	2442.8	2382.2	2336.8	2311.6
7.5°	2733.0	2697.7	2659.9	2589.2	2498.3	2458.0	2311.6	2145.0	2099.6	2059.3	2034.0
10°	2728.0	2687.6	2634.6	2528.6	2314.1	2243.5	2097.1	1988.6	1960.8	1953.3	1960.8
12.5°	2710.3	2672.5	2599.2	2422.6	2122.3	2074.4	1988.6	1925.5	1920.4	1933.0	2001.2
15°	2680.0	2644.7	2558.9	2281.3	2016.3	1981.0	1920.4	1897.7	1925.5	2013.8	2218.2
17.5°	2649.7	2609.3	2503.3	2142.5	1935.6	1910.4	1867.4	1912.9	2069.3	2187.9	2256.1
20°	2609.3	2561.4	2440.3	2041.6	1877.5	1854.8	1834.7	2039.0	2157.6	2200.5	2238.4
22.5°	2561.4	2511.0	2354.5	1970.9	1817.0	1799.3	1811.9	2109.7	2157.6	2187.9	2220.8
25°	2498.3	2455.4	2253.5	1915.3	1769.0	1748.8	1796.7	2102.1	2129.8	2137.5	2203.1
27.5°	2440.3	2384.7	2147.5	1864.9	1711.0	1703.4	1809.4	2069.3	2089.5	2097.1	2167.8
30°	2369.6	2286.4	2028.9	1811.9	1650.4	1647.9	1811.9	2028.9	2023.9	2044.1	2114.8
32.5°	2296.5	2140.0	1895.2	1746.3	1592.4	1589.9	1794.3	1968.4	1963.3	1991.1	2044.1
35°	2228.3	2026.4	1713.5	1670.6	1519.2	1521.7	1751.4	1897.7	1900.3	1925.5	1958.3
37.5°	2157.6	1928.0	1514.2	1587.3	1448.5	1448.5	1693.3	1832.1	1827.1	1834.7	1880.0
40°	2074.4	1774.1	1337.5	1478.8	1382.9	1375.3	1622.6	1761.4	1743.7	1741.3	1804.4
42.5°	1986.0	1605.0	1206.3	1335.0	1307.2	1297.1	1536.9	1675.6	1642.8	1650.4	1731.1
45°	1890.1	1559.5	1105.3	1128.0	1229.0	1221.4	1443.5	1577.2	1554.5	1574.7	1658.0
47.5°	1794.3	1468.7	1072.6	936.3	1145.7	1143.1	1340.1	1481.3	1468.7	1488.9	1577.2
50°	1663.0	1367.8	1070.0	802.5	1052.3	1062.4	1216.4	1388.0	1388.0	1405.7	1499.0
52.5°	1493.9	1244.1	971.6	726.8	943.8	974.1	1107.8	1307.2	1312.3	1329.9	1413.2
55°	1340.1	1115.4	900.9	668.8	815.1	880.7	1001.9	1223.9	1234.1	1251.7	1327.4
57.5°	1198.7	928.6	885.8	600.6	696.5	759.6	908.5	1143.1	1148.2	1163.4	1236.5
60°	1047.3	671.3	812.6	527.4	593.1	641.0	822.6	1047.3	1064.9	1075.0	1138.2
62.5°	875.6	487.0	736.9	476.9	542.5	552.7	752.1	956.4	979.2	986.7	1024.5
65°	623.3	408.8	625.8	434.0	489.5	492.1	676.3	863.0	883.3	895.9	923.6
67.5°	421.4	333.1	476.9	393.7	449.2	451.7	603.2	754.5	782.3	792.4	810.0
70°	292.7	222.0	353.3	350.8	403.8	408.8	524.9	656.1	681.4	688.9	699.1
72.5°	214.5	179.2	292.7	315.4	355.8	360.9	444.2	545.1	570.3	577.9	582.9
75°	164.1	189.3	237.2	275.0	302.8	305.3	363.4	444.2	461.8	466.9	469.4
77.5°	131.2	176.7	174.1	222.0	247.3	242.3	285.2	343.2	358.3	358.3	358.3
80°	98.5	138.8	131.2	159.0	181.7	176.7	204.4	244.8	249.8	254.9	252.3
82.5°	73.2	88.3	88.3	100.9	121.1	116.1	136.3	159.0	159.0	159.0	164.1
85°	45.5	50.4	40.4	53.0	68.1	65.6	75.7	85.8	88.3	88.3	83.3
87.5°	27.8	22.7	12.6	20.2	30.3	30.3	35.3	37.8	35.3	35.3	35.3
90°	20.6	14.3	7.9	14.3	20.6	22.3	35.0	51.9	60.4	53.7	40.2
92.5°	139.9	85.9	31.8	85.9	139.9	153.4	215.5	298.5	340.0	298.0	214.0
95°	274.0	175.1	76.3	175.1	274.0	298.7	530.4	839.3	993.9	886.9	672.9
97.5°	306.4	219.1	131.9	219.1	306.4	328.1	714.5	1229.7	1487.2	1419.6	1284.4
100°	333.0	253.8	174.8	253.8	333.0	352.8	781.5	1353.1	1639.0	1643.9	1653.8
102.5°	358.9	285.1	211.3	285.1	358.9	377.3	812.1	1391.9	1681.9	1768.0	1940.4
105°	398.2	335.8	273.3	335.8	398.2	413.9	835.0	1396.4	1677.1	1870.2	2256.5
107.5°	453.3	395.1	336.8	395.1	453.3	468.0	839.3	1334.2	1581.8	1851.2	2390.0
110°	484.9	432.3	379.7	432.3	484.9	498.1	832.9	1279.1	1502.3	1803.5	2405.8



TEST NUMBER: P935304

CATALOG NUMBER: SQ4-FA-100U-100D-B40-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	522.2	472.0	421.8	472.0	522.2	534.7	833.1	1231.1	1430.0	1738.3	2354.7
115°	578.0	531.6	485.4	531.6	578.0	589.5	840.8	1175.9	1343.4	1640.4	2234.3
117.5°	632.2	590.2	548.2	590.2	632.2	642.7	856.4	1141.3	1283.8	1551.8	2087.8
120°	663.8	624.3	584.7	624.3	663.8	673.7	869.1	1129.8	1260.0	1504.9	1994.6
122.5°	700.3	660.4	620.5	660.4	700.3	710.2	887.4	1123.6	1241.7	1462.2	1903.2
125°	748.1	711.7	675.3	711.7	748.1	757.1	912.0	1118.6	1221.8	1409.2	1783.8
127.5°	793.2	756.5	719.8	756.5	793.2	802.4	936.7	1115.7	1205.2	1366.0	1687.7
130°	822.6	783.1	743.6	783.1	822.6	832.6	954.6	1117.4	1198.8	1342.0	1628.4
132.5°	847.3	807.7	768.2	807.7	847.3	857.2	969.2	1118.6	1193.3	1321.4	1577.8
135°	876.9	840.8	804.8	840.8	876.9	885.9	985.2	1117.5	1183.7	1291.1	1505.7
137.5°	913.5	877.7	842.1	877.7	913.5	922.3	1009.0	1124.4	1182.1	1272.8	1454.4
140°	938.8	905.9	873.1	905.9	938.8	947.0	1023.5	1125.6	1176.6	1255.0	1411.8
142.5°	957.7	927.3	896.9	927.3	957.7	965.2	1035.7	1129.6	1176.6	1245.4	1383.1
145°	986.5	960.0	933.5	960.0	986.5	993.1	1051.6	1129.7	1168.6	1225.0	1337.6
147.5°	1021.6	995.8	970.0	995.8	1021.6	1028.1	1074.9	1137.4	1168.6	1212.9	1301.6
150°	1040.5	1017.2	993.9	1017.2	1040.5	1046.3	1087.1	1141.4	1168.6	1206.1	1280.9
152.5°	1053.8	1036.2	1018.5	1036.2	1053.8	1058.2	1095.0	1144.1	1168.6	1200.6	1264.5
155°	1081.2	1068.1	1055.0	1068.1	1081.2	1084.4	1112.5	1149.9	1168.6	1194.0	1244.9
157.5°	1107.5	1094.7	1082.0	1094.7	1107.5	1110.7	1130.0	1155.7	1168.6	1188.4	1227.9
160°	1120.1	1110.3	1100.4	1110.3	1120.1	1122.6	1138.0	1158.4	1168.6	1185.6	1219.5
162.5°	1133.5	1126.0	1118.6	1126.0	1133.5	1135.3	1146.4	1161.2	1168.6	1183.0	1211.5
165°	1151.8	1145.1	1138.5	1145.1	1151.8	1153.5	1158.6	1165.3	1168.6	1178.9	1199.4
167.5°	1163.1	1159.8	1156.7	1159.8	1163.1	1163.9	1168.1	1173.7	1176.6	1183.2	1196.7
170°	1175.0	1171.8	1168.6	1171.8	1175.0	1175.8	1176.1	1176.4	1176.6	1183.2	1196.7
172.5°	1176.4	1175.7	1175.0	1175.7	1176.4	1176.6	1176.6	1176.6	1176.6	1181.9	1192.5
175°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1181.3	1178.2	1176.6	1179.9	1186.6
177.5°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1181.9	1179.4	1178.2	1180.9	1186.1
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



TEST NUMBER: P935304

CATALOG NUMBER: SQ4-FA-100U-100D-B40-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2574.0	2566.5	2576.6	2548.8	2576.6	2566.5	2574.0	2591.7	2576.6	2586.6	2596.7
5°	2258.6	2246.0	2205.6	2172.8	2205.6	2246.0	2258.6	2311.6	2336.8	2382.2	2442.8
7.5°	2018.9	2008.7	1998.6	1978.5	1998.6	2008.7	2018.9	2034.0	2059.3	2099.6	2145.0
10°	1965.9	1968.4	1983.5	1981.0	1983.5	1968.4	1965.9	1960.8	1953.3	1960.8	1988.6
12.5°	2102.1	2124.9	2208.2	2203.1	2208.2	2124.9	2102.1	2001.2	1933.0	1920.4	1925.5
15°	2258.6	2266.1	2283.8	2286.4	2283.8	2266.1	2258.6	2218.2	2013.8	1925.5	1897.7
17.5°	2273.8	2276.2	2288.8	2288.8	2288.8	2276.2	2273.8	2256.1	2187.9	2069.3	1912.9
20°	2261.2	2266.1	2291.4	2296.5	2291.4	2266.1	2261.2	2238.4	2200.5	2157.6	2039.0
22.5°	2256.1	2266.1	2286.4	2283.8	2286.4	2266.1	2256.1	2220.8	2187.9	2157.6	2109.7
25°	2230.8	2230.8	2233.4	2235.8	2233.4	2230.8	2230.8	2203.1	2137.5	2129.8	2102.1
27.5°	2177.9	2182.8	2198.0	2195.5	2198.0	2182.8	2177.9	2167.8	2097.1	2089.5	2069.3
30°	2129.8	2124.9	2112.2	2102.1	2112.2	2124.9	2129.8	2114.8	2044.1	2023.9	2028.9
32.5°	2049.1	2036.5	2023.9	2016.3	2023.9	2036.5	2049.1	2044.1	1991.1	1963.3	1968.4
35°	1953.3	1955.7	1953.3	1945.6	1953.3	1955.7	1953.3	1958.3	1925.5	1900.3	1897.7
37.5°	1885.1	1890.1	1887.7	1877.5	1887.7	1890.1	1885.1	1880.0	1834.7	1827.1	1832.1
40°	1814.4	1817.0	1814.4	1806.9	1814.4	1817.0	1814.4	1804.4	1741.3	1743.7	1761.4
42.5°	1746.3	1743.7	1736.2	1731.1	1736.2	1743.7	1746.3	1731.1	1650.4	1642.8	1675.6
45°	1668.1	1670.6	1655.5	1647.9	1655.5	1670.6	1668.1	1658.0	1574.7	1554.5	1577.2
47.5°	1589.9	1589.9	1577.2	1569.6	1577.2	1589.9	1589.9	1577.2	1488.9	1468.7	1481.3
50°	1506.6	1504.0	1486.4	1483.9	1486.4	1504.0	1506.6	1499.0	1405.7	1388.0	1388.0
52.5°	1410.6	1410.6	1413.2	1418.3	1413.2	1410.6	1410.6	1413.2	1329.9	1312.3	1307.2
55°	1327.4	1329.9	1347.6	1352.7	1347.6	1329.9	1327.4	1327.4	1251.7	1234.1	1223.9
57.5°	1241.6	1241.6	1254.2	1254.2	1254.2	1241.6	1241.6	1236.5	1163.4	1148.2	1143.1
60°	1143.1	1148.2	1158.3	1155.8	1158.3	1148.2	1143.1	1138.2	1075.0	1064.9	1047.3
62.5°	1039.7	1044.8	1047.3	1042.2	1047.3	1044.8	1039.7	1024.5	986.7	979.2	956.4
65°	931.2	936.3	938.8	933.7	938.8	936.3	931.2	923.6	895.9	883.3	863.0
67.5°	820.2	817.7	815.1	825.2	815.1	817.7	820.2	810.0	792.4	782.3	754.5
70°	706.6	706.6	704.0	709.1	704.0	706.6	706.6	699.1	688.9	681.4	656.1
72.5°	585.5	582.9	593.1	585.5	593.1	582.9	585.5	582.9	577.9	570.3	545.1
75°	466.9	471.9	466.9	474.4	466.9	471.9	466.9	469.4	466.9	461.8	444.2
77.5°	355.8	360.9	355.8	355.8	355.8	360.9	355.8	358.3	358.3	358.3	343.2
80°	252.3	249.8	249.8	247.3	249.8	249.8	252.3	252.3	254.9	249.8	244.8
82.5°	161.5	159.0	159.0	164.1	159.0	159.0	161.5	164.1	159.0	159.0	159.0
85°	88.3	90.8	85.8	85.8	85.8	90.8	88.3	83.3	88.3	88.3	85.8
87.5°	32.9	30.3	30.3	30.3	30.3	30.3	32.9	35.3	35.3	35.3	37.8
90°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	40.2	53.7	60.4	51.9
92.5°	151.0	145.0	121.0	96.9	121.0	145.0	151.0	214.0	298.0	340.0	298.5
95°	512.5	494.3	421.5	348.8	421.5	494.3	512.5	672.9	886.9	993.9	839.3
97.5°	1183.0	1148.4	1009.9	871.5	1009.9	1148.4	1183.0	1284.4	1419.6	1487.2	1229.7
100°	1661.2	1620.0	1455.1	1290.2	1455.1	1620.0	1661.2	1653.8	1643.9	1639.0	1353.1
102.5°	2069.6	2034.2	1893.0	1751.8	1893.0	2034.2	2069.6	1940.4	1768.0	1681.9	1391.9
105°	2546.2	2527.2	2451.3	2375.4	2451.3	2527.2	2546.2	2256.5	1870.2	1677.1	1396.4
107.5°	2794.0	2798.6	2817.1	2835.4	2817.1	2798.6	2794.0	2390.0	1851.2	1581.8	1334.2
110°	2857.6	2877.4	2956.5	3035.6	2956.5	2877.4	2857.6	2405.8	1803.5	1502.3	1279.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2817.2	2847.5	2968.9	3090.4	2968.9	2847.5	2817.2	2354.7	1738.3	1430.0	1231.1
115°	2679.7	2721.8	2890.2	3058.7	2890.2	2721.8	2679.7	2234.3	1640.4	1343.4	1175.9
117.5°	2489.8	2536.5	2723.3	2910.1	2723.3	2536.5	2489.8	2087.8	1551.8	1283.8	1141.3
120°	2361.9	2407.3	2588.8	2770.3	2588.8	2407.3	2361.9	1994.6	1504.9	1260.0	1129.8
122.5°	2234.0	2278.8	2457.8	2636.8	2457.8	2278.8	2234.0	1903.2	1462.2	1241.7	1123.6
125°	2064.8	2106.1	2270.9	2435.8	2270.9	2106.1	2064.8	1783.8	1409.2	1221.8	1118.6
127.5°	1928.9	1963.7	2102.8	2242.0	2102.8	1963.7	1928.9	1687.7	1366.0	1205.2	1115.7
130°	1843.2	1875.2	2003.8	2132.3	2003.8	1875.2	1843.2	1628.4	1342.0	1198.8	1117.4
132.5°	1770.0	1798.7	1913.9	2029.0	1913.9	1798.7	1770.0	1577.8	1321.4	1193.3	1118.6
135°	1666.8	1691.6	1790.8	1890.0	1790.8	1691.6	1666.8	1505.7	1291.1	1183.7	1117.5
137.5°	1590.5	1610.8	1692.0	1773.2	1692.0	1610.8	1590.5	1454.4	1272.8	1182.1	1124.4
140°	1529.3	1548.3	1624.2	1700.1	1624.2	1548.3	1529.3	1411.8	1255.0	1176.6	1125.6
142.5°	1486.5	1502.8	1568.1	1633.4	1568.1	1502.8	1486.5	1383.1	1245.4	1176.6	1129.6
145°	1422.1	1434.4	1483.9	1533.3	1483.9	1434.4	1422.1	1337.6	1225.0	1168.6	1129.7
147.5°	1368.0	1378.3	1419.2	1460.2	1419.2	1378.3	1368.0	1301.6	1212.9	1168.6	1137.4
150°	1337.1	1345.4	1378.5	1411.8	1378.5	1345.4	1337.1	1280.9	1206.1	1168.6	1141.4
152.5°	1312.5	1318.8	1343.8	1368.8	1343.8	1318.8	1312.5	1264.5	1200.6	1168.6	1144.1
155°	1283.0	1287.1	1303.8	1320.4	1303.8	1287.1	1283.0	1244.9	1194.0	1168.6	1149.9
157.5°	1257.6	1260.5	1272.2	1283.8	1272.2	1260.5	1257.6	1227.9	1188.4	1168.6	1155.7
160°	1244.9	1246.7	1253.3	1260.0	1253.3	1246.7	1244.9	1219.5	1185.6	1168.6	1158.4
162.5°	1233.0	1234.6	1240.9	1247.3	1240.9	1234.6	1233.0	1211.5	1183.0	1168.6	1161.2
165°	1214.8	1216.5	1223.2	1229.8	1223.2	1216.5	1214.8	1199.4	1178.9	1168.6	1165.3
167.5°	1206.7	1207.4	1210.3	1213.1	1210.3	1207.4	1206.7	1196.7	1183.2	1176.6	1173.7
170°	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1206.7	1196.7	1183.2	1176.6	1176.4
172.5°	1200.4	1199.9	1197.4	1194.9	1197.4	1199.9	1200.4	1192.5	1181.9	1176.6	1176.6
175°	1191.6	1191.6	1191.6	1191.6	1191.6	1191.6	1191.6	1186.6	1179.9	1176.6	1178.2
177.5°	1190.1	1189.5	1186.6	1183.7	1186.6	1189.5	1190.1	1186.1	1180.9	1178.2	1179.4
180°	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7	1183.7



TEST NUMBER: P935304

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2634.6	2647.3	2654.8	2664.9	2690.1
5°	2533.6	2581.6	2596.7	2634.6	2680.0
7.5°	2311.6	2458.0	2498.3	2589.2	2659.9
10°	2097.1	2243.5	2314.1	2528.6	2634.6
12.5°	1988.6	2074.4	2122.3	2422.6	2599.2
15°	1920.4	1981.0	2016.3	2281.3	2558.9
17.5°	1867.4	1910.4	1935.6	2142.5	2503.3
20°	1834.7	1854.8	1877.5	2041.6	2440.3
22.5°	1811.9	1799.3	1817.0	1970.9	2354.5
25°	1796.7	1748.8	1769.0	1915.3	2253.5
27.5°	1809.4	1703.4	1711.0	1864.9	2147.5
30°	1811.9	1647.9	1650.4	1811.9	2028.9
32.5°	1794.3	1589.9	1592.4	1746.3	1895.2
35°	1751.4	1521.7	1519.2	1670.6	1713.5
37.5°	1693.3	1448.5	1448.5	1587.3	1514.2
40°	1622.6	1375.3	1382.9	1478.8	1337.5
42.5°	1536.9	1297.1	1307.2	1335.0	1206.3
45°	1443.5	1221.4	1229.0	1128.0	1105.3
47.5°	1340.1	1143.1	1145.7	936.3	1072.6
50°	1216.4	1062.4	1052.3	802.5	1070.0
52.5°	1107.8	974.1	943.8	726.8	971.6
55°	1001.9	880.7	815.1	668.8	900.9
57.5°	908.5	759.6	696.5	600.6	885.8
60°	822.6	641.0	593.1	527.4	812.6
62.5°	752.1	552.7	542.5	476.9	736.9
65°	676.3	492.1	489.5	434.0	625.8
67.5°	603.2	451.7	449.2	393.7	476.9
70°	524.9	408.8	403.8	350.8	353.3
72.5°	444.2	360.9	355.8	315.4	292.7
75°	363.4	305.3	302.8	275.0	237.2
77.5°	285.2	242.3	247.3	222.0	174.1
80°	204.4	176.7	181.7	159.0	131.2
82.5°	136.3	116.1	121.1	100.9	88.3
85°	75.7	65.6	68.1	53.0	40.4
87.5°	35.3	30.3	30.3	20.2	12.6
90°	35.0	22.3	20.6	14.3	7.9
92.5°	215.5	153.4	139.9	85.9	31.8
95°	530.4	298.7	274.0	175.1	76.3
97.5°	714.5	328.1	306.4	219.1	131.9
100°	781.5	352.8	333.0	253.8	174.8
102.5°	812.1	377.3	358.9	285.1	211.3
105°	835.0	413.9	398.2	335.8	273.3
107.5°	839.3	468.0	453.3	395.1	336.8
110°	832.9	498.1	484.9	432.3	379.7



TEST NUMBER: P935304

CATALOG NUMBER: SQ4-FA-100U-100D-B40-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	833.1	534.7	522.2	472.0	421.8
115°	840.8	589.5	578.0	531.6	485.4
117.5°	856.4	642.7	632.2	590.2	548.2
120°	869.1	673.7	663.8	624.3	584.7
122.5°	887.4	710.2	700.3	660.4	620.5
125°	912.0	757.1	748.1	711.7	675.3
127.5°	936.7	802.4	793.2	756.5	719.8
130°	954.6	832.6	822.6	783.1	743.6
132.5°	969.2	857.2	847.3	807.7	768.2
135°	985.2	885.9	876.9	840.8	804.8
137.5°	1009.0	922.3	913.5	877.7	842.1
140°	1023.5	947.0	938.8	905.9	873.1
142.5°	1035.7	965.2	957.7	927.3	896.9
145°	1051.6	993.1	986.5	960.0	933.5
147.5°	1074.9	1028.1	1021.6	995.8	970.0
150°	1087.1	1046.3	1040.5	1017.2	993.9
152.5°	1095.0	1058.2	1053.8	1036.2	1018.5
155°	1112.5	1084.4	1081.2	1068.1	1055.0
157.5°	1130.0	1110.7	1107.5	1094.7	1082.0
160°	1138.0	1122.6	1120.1	1110.3	1100.4
162.5°	1146.4	1135.3	1133.5	1126.0	1118.6
165°	1158.6	1153.5	1151.8	1145.1	1138.5
167.5°	1168.1	1163.9	1163.1	1159.8	1156.7
170°	1176.1	1175.8	1175.0	1171.8	1168.6
172.5°	1176.6	1176.6	1176.4	1175.7	1175.0
175°	1181.3	1183.7	1183.7	1183.7	1183.7
177.5°	1181.9	1183.7	1183.7	1183.7	1183.7
180°	1183.7	1183.7	1183.7	1183.7	1183.7



TEST NUMBER: P935304
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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	13.30	14.14	14.28	15.14	16.44	16.14	16.98	17.12	17.97	19.28
	3H	13.78	14.53	14.77	15.53	16.86	17.49	18.24	18.48	19.24	20.57
	4H	13.97	14.68	14.97	15.69	17.02	17.93	18.64	18.94	19.65	20.99
	6H	14.09	14.74	15.10	15.75	17.10	18.22	18.87	19.23	19.88	21.23
	8H	14.09	14.71	15.11	15.74	17.08	18.29	18.92	19.31	19.94	21.29
	12H	14.06	14.65	15.08	15.67	17.04	18.33	18.93	19.36	19.95	21.32
4H	2H	14.34	15.05	15.35	16.05	17.39	16.55	17.26	17.56	18.26	19.60
	3H	15.36	15.95	16.38	16.99	18.34	18.05	18.65	19.07	19.68	21.03
	4H	15.64	16.18	16.66	17.20	18.58	18.58	19.13	19.61	20.15	21.52
	6H	15.76	16.23	16.80	17.28	18.65	18.95	19.42	19.99	20.46	21.83
	8H	15.77	16.20	16.80	17.24	18.63	19.06	19.49	20.09	20.53	21.92
	12H	15.73	16.12	16.79	17.18	18.57	19.11	19.51	20.17	20.56	21.95
8H	4H	16.09	16.52	17.13	17.57	18.95	18.71	19.14	19.74	20.18	21.57
	6H	16.35	16.71	17.41	17.79	19.18	19.14	19.50	20.20	20.59	21.97
	8H	16.39	16.71	17.46	17.78	19.18	19.30	19.61	20.37	20.68	22.08
	12H	16.38	16.65	17.45	17.72	19.16	19.39	19.67	20.47	20.74	22.18
12H	4H	16.09	16.49	17.15	17.54	18.94	18.67	19.06	19.72	20.12	21.51
	6H	16.41	16.73	17.48	17.80	19.20	19.14	19.46	20.21	20.52	21.93
	8H	16.48	16.75	17.55	17.82	19.26	19.30	19.58	20.37	20.64	22.09