

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: P934727

Luminaire Tested: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934727
REPORT IS A COMBINATION OF REPORTS P933709 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

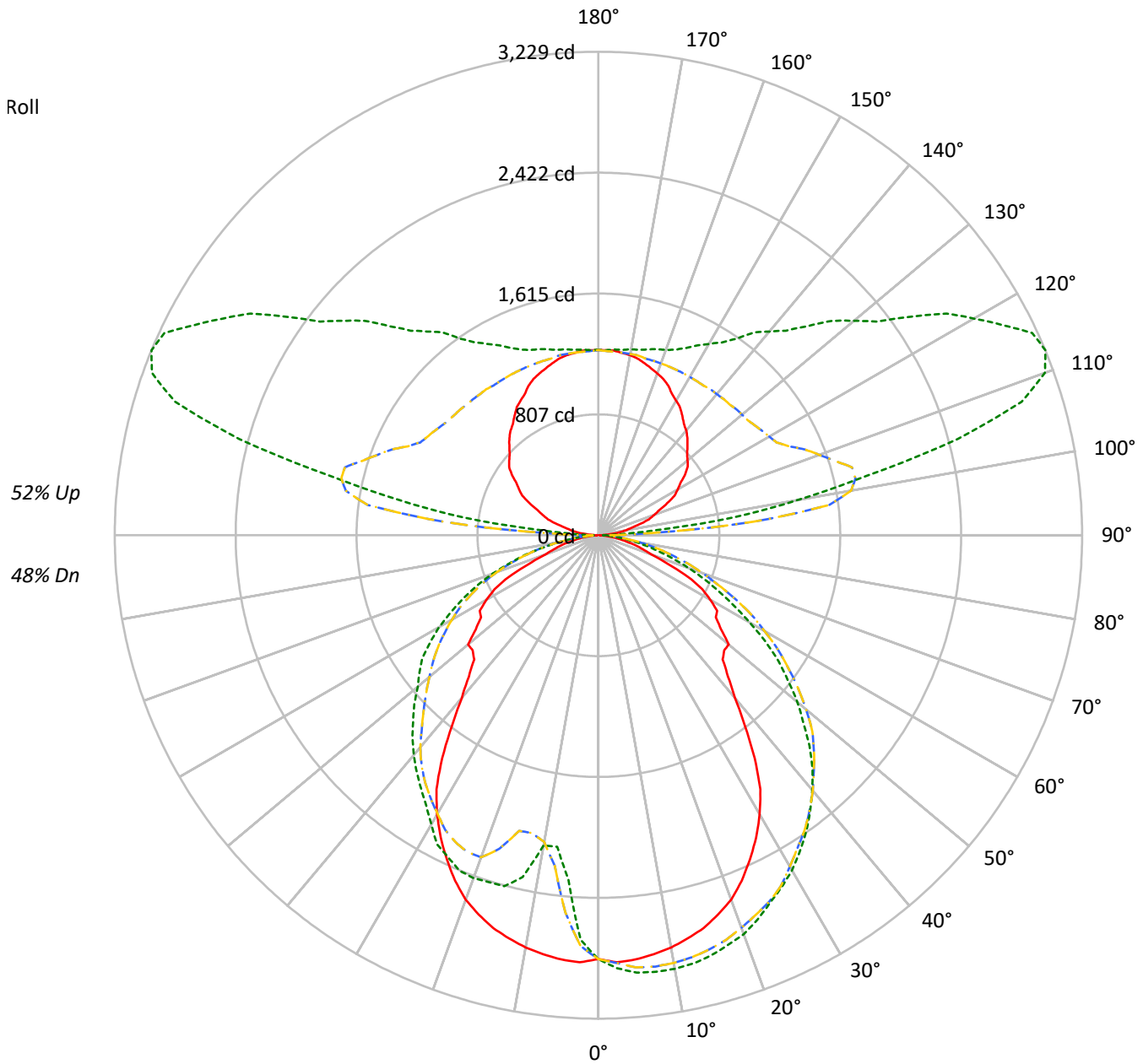
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15361.9 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 127.2
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	68	68	68	54	54	54	48
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	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°	8755	8755	8755	8755
5°	8824	8838	8824	6949
10°	8768	8706	8768	6224
15°	8676	8517	8676	7112
20°	8498	8294	8498	7127
25°	8130	7968	8130	6976
30°	7653	7697	7653	6644
35°	6826	7355	6826	6280
40°	5691	6952	5691	6004
45°	5088	6480	5088	5688
50°	5410	5918	5410	5370
55°	5095	5312	5095	5186
60°	5258	4512	5258	4750
65°	4775	3730	4775	4169
70°	3315	2972	3315	3495
75°	2917	2197	2917	2631
80°	2368	1452	2368	1581
85°	1387	769	1387	654

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7793 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.5	1.7
10°-20°	725.5	4.7
20°-30°	1121.4	7.3
30°-40°	1338.7	8.7
40°-50°	1346.6	8.8
50°-60°	1171.7	7.6
60°-70°	830.7	5.4
70°-80°	439.5	2.9
80°-90°	114.2	0.7
90°-100°	602.9	3.9
100°-110°	1585.1	10.3
110°-120°	1643.6	10.7
120°-130°	1318.4	8.6
130°-140°	1034.4	6.7
140°-150°	794.0	5.2
150°-160°	571.8	3.7
160°-170°	349.9	2.3
170°-180°	118.2	0.8
0°-30°	2102.4	13.7
0°-40°	3441.1	22.4
0°-60°	5959.3	38.8
0°-90°	7343.8	47.8
90°-120°	3831.6	24.9
90°-150°	6978.3	45.4
90°-180°	8018.0	52.2
0°-180°	15361.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2831	2831	2831	2831	2831	
5°	2844	2932	2844	2306	2844	270
15°	2715	2906	2715	2426	2715	764
25°	2391	2710	2391	2373	2391	1098
35°	1818	2418	1818	2065	1818	1125
45°	1173	1992	1173	1749	1173	940
55°	956	1470	956	1435	956	878
65°	664	886	664	991	664	635
75°	252	420	252	503	252	265
85°	43	107	43	91	43	58
90°	8	32	8	32	8	9
95°	80	364	80	364	80	88
105°	286	2482	286	2482	286	303
115°	507	3196	507	3196	507	501
125°	706	2545	706	2545	706	626
135°	841	1975	841	1975	841	651
145°	975	1602	975	1602	975	611
155°	1102	1380	1102	1380	1102	507
165°	1190	1285	1190	1285	1190	336
175°	1237	1245	1237	1245	1237	117
180°	1237	1237	1237	1237	1237	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2854.7	2854.7	2870.8	2876.1	2876.1	2868.1	2860.0	2868.1	2892.2	2900.2	2897.5
5°	2844.0	2865.4	2894.9	2900.2	2905.6	2902.9	2897.5	2902.9	2929.7	2935.0	2937.7
7.5°	2822.6	2862.7	2900.2	2908.2	2916.3	2908.2	2905.6	2910.9	2937.7	2943.1	2943.1
10°	2795.8	2852.0	2894.9	2900.2	2908.2	2900.2	2900.2	2910.9	2937.7	2943.1	2945.7
12.5°	2758.3	2835.9	2876.1	2881.5	2892.2	2889.5	2886.8	2897.5	2924.3	2929.7	2929.7
15°	2715.4	2806.5	2844.0	2849.3	2868.1	2862.7	2862.7	2873.4	2902.9	2910.9	2908.2
17.5°	2656.5	2769.0	2811.8	2819.9	2833.3	2830.6	2833.3	2844.0	2870.8	2876.1	2878.8
20°	2589.6	2718.1	2769.0	2777.0	2790.4	2790.4	2790.4	2803.8	2830.6	2841.3	2841.3
22.5°	2498.5	2664.6	2718.1	2723.5	2739.5	2739.5	2744.9	2763.6	2787.7	2790.4	2790.4
25°	2391.4	2605.6	2651.2	2667.2	2683.3	2691.3	2699.4	2710.1	2718.1	2715.4	2718.1
27.5°	2278.9	2530.7	2589.6	2600.3	2621.7	2629.7	2640.5	2643.1	2645.8	2653.8	2648.5
30°	2153.0	2426.2	2514.6	2525.3	2560.1	2565.5	2554.8	2560.1	2573.5	2578.9	2584.2
32.5°	2011.1	2270.8	2436.9	2461.0	2493.2	2477.1	2474.4	2482.5	2503.9	2503.9	2509.2
35°	1818.3	2150.3	2364.6	2386.1	2410.2	2391.4	2402.1	2404.8	2418.2	2426.2	2423.6
37.5°	1606.7	2045.9	2289.6	2305.6	2324.4	2300.3	2316.3	2324.4	2335.1	2329.7	2329.7
40°	1419.3	1882.5	2201.2	2211.9	2228.0	2209.2	2225.3	2230.7	2236.0	2230.7	2228.0
42.5°	1280.0	1703.1	2107.5	2120.9	2110.2	2123.5	2128.9	2139.6	2131.6	2120.9	2120.9
45°	1172.9	1654.9	2005.7	2021.8	2005.7	2027.1	2035.2	2035.2	2011.1	2005.7	2003.0
47.5°	1138.1	1558.5	1904.0	1904.0	1895.9	1922.7	1936.1	1917.3	1893.2	1885.2	1885.2
50°	1135.4	1451.4	1764.7	1754.0	1791.5	1823.6	1810.2	1791.5	1772.7	1743.3	1743.3
52.5°	1031.0	1320.2	1585.3	1625.5	1684.4	1703.1	1681.7	1663.0	1630.8	1617.4	1606.7
55°	956.0	1183.6	1421.9	1502.3	1563.9	1588.0	1547.8	1529.1	1480.9	1472.8	1467.5
57.5°	939.9	985.5	1272.0	1373.7	1448.7	1446.0	1421.9	1387.1	1347.0	1338.9	1336.3
60°	862.3	712.3	1111.3	1231.8	1309.5	1301.4	1280.0	1247.9	1210.4	1205.0	1199.7
62.5°	781.9	516.8	929.2	1065.8	1175.6	1172.9	1154.2	1106.0	1079.2	1065.8	1055.1
65°	664.1	433.8	661.4	886.4	1044.4	1049.7	1009.6	974.7	945.3	929.2	926.5
67.5°	506.1	353.5	447.2	739.1	918.5	913.2	862.3	846.2	808.7	800.7	784.6
70°	374.9	235.7	310.6	599.8	795.3	781.9	741.8	723.0	688.2	669.5	658.8
72.5°	310.6	190.1	227.6	465.9	669.5	653.4	618.6	597.2	567.7	551.6	540.9
75°	251.7	200.8	174.1	345.4	543.6	532.9	500.8	479.3	455.2	433.8	436.5
77.5°	184.8	187.5	139.2	254.4	431.1	415.1	396.3	369.5	358.8	337.4	337.4
80°	139.2	147.3	104.4	174.1	310.6	310.6	294.6	275.8	257.1	246.4	246.4
82.5°	93.7	93.7	77.7	109.8	211.6	203.5	192.8	187.5	176.7	171.4	171.4
85°	42.8	53.6	48.2	66.9	115.1	120.5	120.5	115.1	112.5	107.1	109.8
87.5°	13.4	24.1	29.5	37.5	58.9	61.6	64.3	64.3	64.3	66.9	66.9
90°	8.3	14.9	21.5	23.2	36.5	54.3	63.1	56.1	42.0	31.5	31.5
92.5°	33.2	89.6	146.1	160.2	225.2	311.9	355.3	311.3	223.6	157.7	151.5
95°	79.7	183.0	286.4	312.1	554.2	877.1	1038.5	926.7	703.1	535.4	516.4
97.5°	137.8	229.0	320.1	342.9	746.6	1284.8	1554.0	1483.3	1342.0	1236.0	1199.9
100°	182.6	265.3	347.9	368.6	816.6	1413.8	1712.5	1717.7	1728.0	1735.8	1692.7
102.5°	220.8	298.0	375.0	394.3	848.6	1454.4	1757.4	1847.4	2027.4	2162.5	2125.6
105°	285.5	350.9	416.1	432.5	872.4	1459.1	1752.4	1954.2	2357.9	2660.5	2640.7
107.5°	352.0	412.8	473.7	489.0	876.9	1394.2	1652.8	1934.3	2497.3	2919.5	2924.3
110°	396.8	451.8	506.7	520.5	870.2	1336.6	1569.8	1884.5	2513.9	2985.9	3006.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	440.8	493.2	545.6	558.7	870.6	1286.4	1494.2	1816.3	2460.5	2943.6	2975.3
115°	507.2	555.5	603.9	615.9	878.5	1228.7	1403.7	1714.0	2334.6	2800.0	2844.0
117.5°	572.8	616.7	660.5	671.5	894.9	1192.5	1341.4	1621.4	2181.5	2601.5	2650.4
120°	611.0	652.3	693.6	703.9	908.2	1180.4	1316.5	1572.4	2084.1	2467.9	2515.3
122.5°	648.3	690.0	731.7	742.1	927.3	1174.1	1297.4	1527.8	1988.7	2334.3	2381.1
125°	705.6	743.6	781.7	791.1	953.0	1168.8	1276.7	1472.5	1863.9	2157.5	2200.6
127.5°	752.1	790.5	828.9	838.4	978.8	1165.8	1259.3	1427.4	1763.5	2015.5	2051.9
130°	777.0	818.4	859.6	869.9	997.5	1167.5	1252.6	1402.2	1701.4	1925.8	1959.4
132.5°	802.7	844.1	885.3	895.7	1012.7	1168.8	1246.8	1380.7	1648.6	1849.5	1879.6
135°	840.9	878.5	916.2	925.6	1029.4	1167.7	1236.9	1349.0	1573.3	1741.6	1767.5
137.5°	879.9	917.2	954.5	963.8	1054.3	1174.9	1235.2	1330.0	1519.7	1661.9	1683.1
140°	912.3	946.5	980.9	989.5	1069.4	1176.1	1229.4	1311.3	1475.1	1598.0	1617.8
142.5°	937.2	968.9	1000.6	1008.6	1082.2	1180.3	1229.4	1301.4	1445.2	1553.2	1570.2
145°	975.4	1003.0	1030.7	1037.7	1098.8	1180.3	1221.1	1279.9	1397.7	1485.9	1498.9
147.5°	1013.6	1040.5	1067.5	1074.2	1123.2	1188.4	1221.1	1267.4	1360.0	1429.4	1440.2
150°	1038.5	1062.8	1087.2	1093.3	1135.9	1192.7	1221.1	1260.2	1338.4	1397.0	1405.7
152.5°	1064.2	1082.7	1101.0	1105.7	1144.2	1195.5	1221.1	1254.5	1321.3	1371.3	1377.8
155°	1102.4	1116.0	1129.7	1133.1	1162.5	1201.6	1221.1	1247.7	1300.8	1340.6	1345.0
157.5°	1130.6	1143.9	1157.2	1160.5	1180.7	1207.6	1221.1	1241.7	1283.1	1314.0	1317.1
160°	1149.7	1160.0	1170.4	1173.0	1189.1	1210.4	1221.1	1238.8	1274.2	1300.8	1302.6
162.5°	1168.8	1176.6	1184.2	1186.2	1197.8	1213.3	1221.1	1236.0	1265.9	1288.3	1290.0
165°	1189.6	1196.6	1203.5	1205.3	1210.6	1217.6	1221.1	1231.8	1253.1	1269.2	1271.0
167.5°	1208.6	1211.9	1215.3	1216.1	1220.6	1226.5	1229.4	1236.4	1250.4	1260.9	1261.6
170°	1221.1	1224.4	1227.8	1228.6	1228.9	1229.2	1229.4	1236.4	1250.4	1260.9	1260.9
172.5°	1227.7	1228.4	1229.2	1229.4	1229.4	1229.4	1229.4	1234.9	1246.0	1254.3	1253.7
175°	1236.9	1236.9	1236.9	1236.9	1234.4	1231.1	1229.4	1232.9	1239.9	1245.2	1245.2
177.5°	1236.9	1236.9	1236.9	1236.9	1234.9	1232.4	1231.1	1233.9	1239.4	1243.5	1242.8
180°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2902.9	2894.9	2902.9	2897.5	2900.2	2892.2	2868.1	2860.0	2868.1	2876.1	2876.1
5°	2937.7	2932.3	2937.7	2937.7	2935.0	2929.7	2902.9	2897.5	2902.9	2905.6	2900.2
7.5°	2948.4	2940.4	2948.4	2943.1	2943.1	2937.7	2910.9	2905.6	2908.2	2916.3	2908.2
10°	2948.4	2940.4	2948.4	2945.7	2943.1	2937.7	2910.9	2900.2	2900.2	2908.2	2900.2
12.5°	2935.0	2929.7	2935.0	2929.7	2929.7	2924.3	2897.5	2886.8	2889.5	2892.2	2881.5
15°	2913.6	2905.6	2913.6	2908.2	2910.9	2902.9	2873.4	2862.7	2862.7	2868.1	2849.3
17.5°	2881.5	2870.8	2881.5	2878.8	2876.1	2870.8	2844.0	2833.3	2830.6	2833.3	2819.9
20°	2844.0	2835.9	2844.0	2841.3	2841.3	2830.6	2803.8	2790.4	2790.4	2790.4	2777.0
22.5°	2785.1	2777.0	2785.1	2790.4	2790.4	2787.7	2763.6	2744.9	2739.5	2739.5	2723.5
25°	2718.1	2710.1	2718.1	2718.1	2715.4	2718.1	2710.1	2699.4	2691.3	2683.3	2667.2
27.5°	2653.8	2648.5	2653.8	2648.5	2653.8	2645.8	2643.1	2640.5	2629.7	2621.7	2600.3
30°	2589.6	2584.2	2589.6	2584.2	2578.9	2573.5	2560.1	2554.8	2565.5	2560.1	2525.3
32.5°	2509.2	2503.9	2509.2	2509.2	2503.9	2503.9	2482.5	2474.4	2477.1	2493.2	2461.0
35°	2426.2	2418.2	2426.2	2423.6	2426.2	2418.2	2404.8	2402.1	2391.4	2410.2	2386.1
37.5°	2329.7	2321.7	2329.7	2329.7	2329.7	2335.1	2324.4	2316.3	2300.3	2324.4	2305.6
40°	2230.7	2219.9	2230.7	2228.0	2230.7	2236.0	2230.7	2225.3	2209.2	2228.0	2211.9
42.5°	2118.2	2115.5	2118.2	2120.9	2120.9	2131.6	2139.6	2128.9	2123.5	2110.2	2120.9
45°	1997.7	1992.3	1997.7	2003.0	2005.7	2011.1	2035.2	2035.2	2027.1	2005.7	2021.8
47.5°	1869.1	1855.8	1869.1	1885.2	1885.2	1893.2	1917.3	1936.1	1922.7	1895.9	1904.0
50°	1732.6	1735.3	1732.6	1743.3	1743.3	1772.7	1791.5	1810.2	1823.6	1791.5	1754.0
52.5°	1598.7	1596.0	1598.7	1606.7	1617.4	1630.8	1663.0	1681.7	1703.1	1684.4	1625.5
55°	1464.8	1470.1	1464.8	1467.5	1472.8	1480.9	1529.1	1547.8	1588.0	1563.9	1502.3
57.5°	1330.9	1322.9	1330.9	1336.3	1338.9	1347.0	1387.1	1421.9	1446.0	1448.7	1373.7
60°	1175.6	1164.9	1175.6	1199.7	1205.0	1210.4	1247.9	1280.0	1301.4	1309.5	1231.8
62.5°	1039.0	1020.3	1039.0	1055.1	1065.8	1079.2	1106.0	1154.2	1172.9	1175.6	1065.8
65°	894.4	886.4	894.4	926.5	929.2	945.3	974.7	1009.6	1049.7	1044.4	886.4
67.5°	763.2	763.2	763.2	784.6	800.7	808.7	846.2	862.3	913.2	918.5	739.1
70°	642.7	640.0	642.7	658.8	669.5	688.2	723.0	741.8	781.9	795.3	599.8
72.5°	527.5	524.9	527.5	540.9	551.6	567.7	597.2	618.6	653.4	669.5	465.9
75°	425.8	420.4	425.8	436.5	433.8	455.2	479.3	500.8	532.9	543.6	345.4
77.5°	326.7	326.7	326.7	337.4	337.4	358.8	369.5	396.3	415.1	431.1	254.4
80°	243.7	241.0	243.7	246.4	246.4	257.1	275.8	294.6	310.6	310.6	174.1
82.5°	171.4	166.0	171.4	171.4	171.4	176.7	187.5	192.8	203.5	211.6	109.8
85°	107.1	107.1	107.1	109.8	107.1	112.5	115.1	120.5	120.5	115.1	66.9
87.5°	69.6	66.9	69.6	66.9	66.9	64.3	64.3	64.3	61.6	58.9	37.5
90°	31.5	31.5	31.5	31.5	31.5	42.0	56.1	63.1	54.3	36.5	23.2
92.5°	126.4	101.3	126.4	151.5	157.7	223.6	311.3	355.3	311.9	225.2	160.2
95°	440.4	364.5	440.4	516.4	535.4	703.1	926.7	1038.5	877.1	554.2	312.1
97.5°	1055.3	910.7	1055.3	1199.9	1236.0	1342.0	1483.3	1554.0	1284.8	746.6	342.9
100°	1520.4	1348.1	1520.4	1692.7	1735.8	1728.0	1717.7	1712.5	1413.8	816.6	368.6
102.5°	1978.0	1830.4	1978.0	2125.6	2162.5	2027.4	1847.4	1757.4	1454.4	848.6	394.3
105°	2561.4	2482.0	2561.4	2640.7	2660.5	2357.9	1954.2	1752.4	1459.1	872.4	432.5
107.5°	2943.5	2962.7	2943.5	2924.3	2919.5	2497.3	1934.3	1652.8	1394.2	876.9	489.0
110°	3089.2	3171.8	3089.2	3006.5	2985.9	2513.9	1884.5	1569.8	1336.6	870.2	520.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3102.2	3229.1	3102.2	2975.3	2943.6	2460.5	1816.3	1494.2	1286.4	870.6	558.7
115°	3019.9	3195.9	3019.9	2844.0	2800.0	2334.6	1714.0	1403.7	1228.7	878.5	615.9
117.5°	2845.5	3040.7	2845.5	2650.4	2601.5	2181.5	1621.4	1341.4	1192.5	894.9	671.5
120°	2705.0	2894.6	2705.0	2515.3	2467.9	2084.1	1572.4	1316.5	1180.4	908.2	703.9
122.5°	2568.1	2755.2	2568.1	2381.1	2334.3	1988.7	1527.8	1297.4	1174.1	927.3	742.1
125°	2372.9	2545.1	2372.9	2200.6	2157.5	1863.9	1472.5	1276.7	1168.8	953.0	791.1
127.5°	2197.3	2342.6	2197.3	2051.9	2015.5	1763.5	1427.4	1259.3	1165.8	978.8	838.4
130°	2093.7	2228.1	2093.7	1959.4	1925.8	1701.4	1402.2	1252.6	1167.5	997.5	869.9
132.5°	1999.8	2120.2	1999.8	1879.6	1849.5	1648.6	1380.7	1246.8	1168.8	1012.7	895.7
135°	1871.2	1974.8	1871.2	1767.5	1741.6	1573.3	1349.0	1236.9	1167.7	1029.4	925.6
137.5°	1767.9	1852.8	1767.9	1683.1	1661.9	1519.7	1330.0	1235.2	1174.9	1054.3	963.8
140°	1697.1	1776.4	1697.1	1617.8	1598.0	1475.1	1311.3	1229.4	1176.1	1069.4	989.5
142.5°	1638.5	1706.7	1638.5	1570.2	1553.2	1445.2	1301.4	1229.4	1180.3	1082.2	1008.6
145°	1550.5	1602.1	1550.5	1498.9	1485.9	1397.7	1279.9	1221.1	1180.3	1098.8	1037.7
147.5°	1482.9	1525.8	1482.9	1440.2	1429.4	1360.0	1267.4	1221.1	1188.4	1123.2	1074.2
150°	1440.4	1475.1	1440.4	1405.7	1397.0	1338.4	1260.2	1221.1	1192.7	1135.9	1093.3
152.5°	1404.1	1430.2	1404.1	1377.8	1371.3	1321.3	1254.5	1221.1	1195.5	1144.2	1105.7
155°	1362.3	1379.6	1362.3	1345.0	1340.6	1300.8	1247.7	1221.1	1201.6	1162.5	1133.1
157.5°	1329.3	1341.4	1329.3	1317.1	1314.0	1283.1	1241.7	1221.1	1207.6	1180.7	1160.5
160°	1309.6	1316.5	1309.6	1302.6	1300.8	1274.2	1238.8	1221.1	1210.4	1189.1	1173.0
162.5°	1296.6	1303.3	1296.6	1290.0	1288.3	1265.9	1236.0	1221.1	1213.3	1197.8	1186.2
165°	1278.0	1285.0	1278.0	1271.0	1269.2	1253.1	1231.8	1221.1	1217.6	1210.6	1205.3
167.5°	1264.7	1267.6	1264.7	1261.6	1260.9	1250.4	1236.4	1229.4	1226.5	1220.6	1216.1
170°	1260.9	1260.9	1260.9	1260.9	1260.9	1250.4	1236.4	1229.4	1229.2	1228.9	1228.6
172.5°	1251.1	1248.5	1251.1	1253.7	1254.3	1246.0	1234.9	1229.4	1229.4	1229.4	1229.4
175°	1245.2	1245.2	1245.2	1245.2	1245.2	1239.9	1232.9	1229.4	1231.1	1234.4	1236.9
177.5°	1239.8	1236.9	1239.8	1242.8	1243.5	1239.4	1233.9	1231.1	1232.4	1234.9	1236.9
180°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2870.8	2854.7	2854.7	2827.9	2817.2	2809.2	2795.8	2755.6	2744.9	2734.2	2750.3
5°	2894.9	2865.4	2844.0	2795.8	2755.6	2739.5	2688.7	2592.3	2528.0	2479.8	2453.0
7.5°	2900.2	2862.7	2822.6	2747.6	2651.2	2608.3	2453.0	2276.2	2228.0	2185.1	2158.4
10°	2894.9	2852.0	2795.8	2683.3	2455.7	2380.7	2225.3	2110.2	2080.7	2072.7	2080.7
12.5°	2876.1	2835.9	2758.3	2570.8	2252.1	2201.2	2110.2	2043.2	2037.9	2051.2	2123.5
15°	2844.0	2806.5	2715.4	2420.9	2139.6	2102.1	2037.9	2013.8	2043.2	2136.9	2353.8
17.5°	2811.8	2769.0	2656.5	2273.5	2053.9	2027.1	1981.6	2029.8	2195.8	2321.7	2394.1
20°	2769.0	2718.1	2589.6	2166.4	1992.3	1968.2	1946.8	2163.7	2289.6	2335.1	2375.4
22.5°	2718.1	2664.6	2498.5	2091.4	1928.1	1909.3	1922.7	2238.7	2289.6	2321.7	2356.5
25°	2651.2	2605.6	2391.4	2032.5	1877.2	1855.8	1906.6	2230.7	2260.1	2268.1	2337.8
27.5°	2589.6	2530.7	2278.9	1978.9	1815.6	1807.6	1920.0	2195.8	2217.3	2225.3	2300.3
30°	2514.6	2426.2	2153.0	1922.7	1751.3	1748.6	1922.7	2153.0	2147.6	2169.1	2244.0
32.5°	2436.9	2270.8	2011.1	1853.1	1689.7	1687.1	1904.0	2088.7	2083.4	2112.8	2169.1
35°	2364.6	2150.3	1818.3	1772.7	1612.1	1614.7	1858.4	2013.8	2016.4	2043.2	2078.0
37.5°	2289.6	2045.9	1606.7	1684.4	1537.1	1537.1	1796.8	1944.1	1938.8	1946.8	1995.0
40°	2201.2	1882.5	1419.3	1569.2	1467.5	1459.4	1721.9	1869.1	1850.4	1847.7	1914.7
42.5°	2107.5	1703.1	1280.0	1416.6	1387.1	1376.4	1630.8	1778.1	1743.3	1751.3	1837.0
45°	2005.7	1654.9	1172.9	1197.0	1304.1	1296.1	1531.7	1673.7	1649.6	1671.0	1759.4
47.5°	1904.0	1558.5	1138.1	993.5	1215.7	1213.1	1421.9	1571.9	1558.5	1579.9	1673.7
50°	1764.7	1451.4	1135.4	851.6	1116.7	1127.4	1290.7	1472.8	1472.8	1491.6	1590.6
52.5°	1585.3	1320.2	1031.0	771.2	1001.5	1033.7	1175.6	1387.1	1392.5	1411.2	1499.6
55°	1421.9	1183.6	956.0	709.6	864.9	934.6	1063.1	1298.8	1309.5	1328.2	1408.6
57.5°	1272.0	985.5	939.9	637.3	739.1	806.0	964.0	1213.1	1218.4	1234.5	1312.2
60°	1111.3	712.3	862.3	559.7	629.3	680.2	873.0	1111.3	1130.1	1140.8	1207.7
62.5°	929.2	516.8	781.9	506.1	575.7	586.5	798.0	1014.9	1039.0	1047.0	1087.2
65°	661.4	433.8	664.1	460.6	519.5	522.2	717.7	915.8	937.3	950.6	980.1
67.5°	447.2	353.5	506.1	417.7	476.7	479.3	640.0	800.7	830.1	840.8	859.6
70°	310.6	235.7	374.9	372.2	428.5	433.8	557.0	696.2	723.0	731.1	741.8
72.5°	227.6	190.1	310.6	334.7	377.6	382.9	471.3	578.4	605.2	613.2	618.6
75°	174.1	200.8	251.7	291.9	321.3	324.0	385.6	471.3	490.0	495.4	498.1
77.5°	139.2	187.5	184.8	235.7	262.4	257.1	302.6	364.2	380.3	380.3	380.3
80°	104.4	147.3	139.2	168.7	192.8	187.5	216.9	259.8	265.1	270.5	267.8
82.5°	77.7	93.7	93.7	107.1	128.5	123.2	144.6	168.7	168.7	168.7	174.1
85°	48.2	53.6	42.8	56.2	72.3	69.6	80.3	91.0	93.7	93.7	88.4
87.5°	29.5	24.1	13.4	21.4	32.1	32.1	37.5	40.2	37.5	37.5	37.5
90°	21.5	14.9	8.3	14.9	21.5	23.2	36.5	54.3	63.1	56.1	42.0
92.5°	146.1	89.6	33.2	89.6	146.1	160.2	225.2	311.9	355.3	311.3	223.6
95°	286.4	183.0	79.7	183.0	286.4	312.1	554.2	877.1	1038.5	926.7	703.1
97.5°	320.1	229.0	137.8	229.0	320.1	342.9	746.6	1284.8	1554.0	1483.3	1342.0
100°	347.9	265.3	182.6	265.3	347.9	368.6	816.6	1413.8	1712.5	1717.7	1728.0
102.5°	375.0	298.0	220.8	298.0	375.0	394.3	848.6	1454.4	1757.4	1847.4	2027.4
105°	416.1	350.9	285.5	350.9	416.1	432.5	872.4	1459.1	1752.4	1954.2	2357.9
107.5°	473.7	412.8	352.0	412.8	473.7	489.0	876.9	1394.2	1652.8	1934.3	2497.3
110°	506.7	451.8	396.8	451.8	506.7	520.5	870.2	1336.6	1569.8	1884.5	2513.9



TEST NUMBER: P934727

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	545.6	493.2	440.8	493.2	545.6	558.7	870.6	1286.4	1494.2	1816.3	2460.5
115°	603.9	555.5	507.2	555.5	603.9	615.9	878.5	1228.7	1403.7	1714.0	2334.6
117.5°	660.5	616.7	572.8	616.7	660.5	671.5	894.9	1192.5	1341.4	1621.4	2181.5
120°	693.6	652.3	611.0	652.3	693.6	703.9	908.2	1180.4	1316.5	1572.4	2084.1
122.5°	731.7	690.0	648.3	690.0	731.7	742.1	927.3	1174.1	1297.4	1527.8	1988.7
125°	781.7	743.6	705.6	743.6	781.7	791.1	953.0	1168.8	1276.7	1472.5	1863.9
127.5°	828.9	790.5	752.1	790.5	828.9	838.4	978.8	1165.8	1259.3	1427.4	1763.5
130°	859.6	818.4	777.0	818.4	859.6	869.9	997.5	1167.5	1252.6	1402.2	1701.4
132.5°	885.3	844.1	802.7	844.1	885.3	895.7	1012.7	1168.8	1246.8	1380.7	1648.6
135°	916.2	878.5	840.9	878.5	916.2	925.6	1029.4	1167.7	1236.9	1349.0	1573.3
137.5°	954.5	917.2	879.9	917.2	954.5	963.8	1054.3	1174.9	1235.2	1330.0	1519.7
140°	980.9	946.5	912.3	946.5	980.9	989.5	1069.4	1176.1	1229.4	1311.3	1475.1
142.5°	1000.6	968.9	937.2	968.9	1000.6	1008.6	1082.2	1180.3	1229.4	1301.4	1445.2
145°	1030.7	1003.0	975.4	1003.0	1030.7	1037.7	1098.8	1180.3	1221.1	1279.9	1397.7
147.5°	1067.5	1040.5	1013.6	1040.5	1067.5	1074.2	1123.2	1188.4	1221.1	1267.4	1360.0
150°	1087.2	1062.8	1038.5	1062.8	1087.2	1093.3	1135.9	1192.7	1221.1	1260.2	1338.4
152.5°	1101.0	1082.7	1064.2	1082.7	1101.0	1105.7	1144.2	1195.5	1221.1	1254.5	1321.3
155°	1129.7	1116.0	1102.4	1116.0	1129.7	1133.1	1162.5	1201.6	1221.1	1247.7	1300.8
157.5°	1157.2	1143.9	1130.6	1143.9	1157.2	1160.5	1180.7	1207.6	1221.1	1241.7	1283.1
160°	1170.4	1160.0	1149.7	1160.0	1170.4	1173.0	1189.1	1210.4	1221.1	1238.8	1274.2
162.5°	1184.2	1176.6	1168.8	1176.6	1184.2	1186.2	1197.8	1213.3	1221.1	1236.0	1265.9
165°	1203.5	1196.6	1189.6	1196.6	1203.5	1205.3	1210.6	1217.6	1221.1	1231.8	1253.1
167.5°	1215.3	1211.9	1208.6	1211.9	1215.3	1216.1	1220.6	1226.5	1229.4	1236.4	1250.4
170°	1227.8	1224.4	1221.1	1224.4	1227.8	1228.6	1228.9	1229.2	1229.4	1236.4	1250.4
172.5°	1229.2	1228.4	1227.7	1228.4	1229.2	1229.4	1229.4	1229.4	1229.4	1234.9	1246.0
175°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1234.4	1231.1	1229.4	1232.9	1239.9
177.5°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1234.9	1232.4	1231.1	1233.9	1239.4
180°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9



TEST NUMBER: P934727

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2731.5	2723.5	2734.2	2704.7	2734.2	2723.5	2731.5	2750.3	2734.2	2744.9	2755.6
5°	2396.8	2383.4	2340.4	2305.6	2340.4	2383.4	2396.8	2453.0	2479.8	2528.0	2592.3
7.5°	2142.3	2131.6	2120.9	2099.4	2120.9	2131.6	2142.3	2158.4	2185.1	2228.0	2276.2
10°	2086.1	2088.7	2104.8	2102.1	2104.8	2088.7	2086.1	2080.7	2072.7	2080.7	2110.2
12.5°	2230.7	2254.8	2343.1	2337.8	2343.1	2254.8	2230.7	2123.5	2051.2	2037.9	2043.2
15°	2396.8	2404.8	2423.6	2426.2	2423.6	2404.8	2396.8	2353.8	2136.9	2043.2	2013.8
17.5°	2412.8	2415.5	2428.9	2428.9	2428.9	2415.5	2412.8	2394.1	2321.7	2195.8	2029.8
20°	2399.5	2404.8	2431.6	2436.9	2431.6	2404.8	2399.5	2375.4	2335.1	2289.6	2163.7
22.5°	2394.1	2404.8	2426.2	2423.6	2426.2	2404.8	2394.1	2356.5	2321.7	2289.6	2238.7
25°	2367.3	2367.3	2370.0	2372.7	2370.0	2367.3	2367.3	2337.8	2268.1	2260.1	2230.7
27.5°	2311.0	2316.3	2332.4	2329.7	2332.4	2316.3	2311.0	2300.3	2225.3	2217.3	2195.8
30°	2260.1	2254.8	2241.4	2230.7	2241.4	2254.8	2260.1	2244.0	2169.1	2147.6	2153.0
32.5°	2174.4	2161.0	2147.6	2139.6	2147.6	2161.0	2174.4	2169.1	2112.8	2083.4	2088.7
35°	2072.7	2075.3	2072.7	2064.6	2072.7	2075.3	2072.7	2078.0	2043.2	2016.4	2013.8
37.5°	2000.4	2005.7	2003.0	1992.3	2003.0	2005.7	2000.4	1995.0	1946.8	1938.8	1944.1
40°	1925.4	1928.1	1925.4	1917.3	1925.4	1928.1	1925.4	1914.7	1847.7	1850.4	1869.1
42.5°	1853.1	1850.4	1842.4	1837.0	1842.4	1850.4	1853.1	1837.0	1751.3	1743.3	1778.1
45°	1770.1	1772.7	1756.7	1748.6	1756.7	1772.7	1770.1	1759.4	1671.0	1649.6	1673.7
47.5°	1687.1	1687.1	1673.7	1665.6	1673.7	1687.1	1687.1	1673.7	1579.9	1558.5	1571.9
50°	1598.7	1596.0	1577.3	1574.6	1577.3	1596.0	1598.7	1590.6	1491.6	1472.8	1472.8
52.5°	1496.9	1496.9	1499.6	1505.0	1499.6	1496.9	1496.9	1499.6	1411.2	1392.5	1387.1
55°	1408.6	1411.2	1430.0	1435.3	1430.0	1411.2	1408.6	1408.6	1328.2	1309.5	1298.8
57.5°	1317.5	1317.5	1330.9	1330.9	1330.9	1317.5	1317.5	1312.2	1234.5	1218.4	1213.1
60°	1213.1	1218.4	1229.1	1226.5	1229.1	1218.4	1213.1	1207.7	1140.8	1130.1	1111.3
62.5°	1103.3	1108.6	1111.3	1106.0	1111.3	1108.6	1103.3	1087.2	1047.0	1039.0	1014.9
65°	988.1	993.5	996.2	990.8	996.2	993.5	988.1	980.1	950.6	937.3	915.8
67.5°	870.3	867.6	864.9	875.7	864.9	867.6	870.3	859.6	840.8	830.1	800.7
70°	749.8	749.8	747.1	752.5	747.1	749.8	749.8	741.8	731.1	723.0	696.2
72.5°	621.3	618.6	629.3	621.3	629.3	618.6	621.3	618.6	613.2	605.2	578.4
75°	495.4	500.8	495.4	503.4	495.4	500.8	495.4	498.1	495.4	490.0	471.3
77.5°	377.6	382.9	377.6	377.6	377.6	382.9	377.6	380.3	380.3	380.3	364.2
80°	267.8	265.1	265.1	262.4	265.1	265.1	267.8	267.8	270.5	265.1	259.8
82.5°	171.4	168.7	168.7	174.1	168.7	168.7	171.4	174.1	168.7	168.7	168.7
85°	93.7	96.4	91.0	91.0	91.0	96.4	93.7	88.4	93.7	93.7	91.0
87.5°	34.8	32.1	32.1	32.1	32.1	32.1	34.8	37.5	37.5	37.5	40.2
90°	31.5	31.5	31.5	31.5	31.5	31.5	31.5	42.0	56.1	63.1	54.3
92.5°	157.7	151.5	126.4	101.3	126.4	151.5	157.7	223.6	311.3	355.3	311.9
95°	535.4	516.4	440.4	364.5	440.4	516.4	535.4	703.1	926.7	1038.5	877.1
97.5°	1236.0	1199.9	1055.3	910.7	1055.3	1199.9	1236.0	1342.0	1483.3	1554.0	1284.8
100°	1735.8	1692.7	1520.4	1348.1	1520.4	1692.7	1735.8	1728.0	1717.7	1712.5	1413.8
102.5°	2162.5	2125.6	1978.0	1830.4	1978.0	2125.6	2162.5	2027.4	1847.4	1757.4	1454.4
105°	2660.5	2640.7	2561.4	2482.0	2561.4	2640.7	2660.5	2357.9	1954.2	1752.4	1459.1
107.5°	2919.5	2924.3	2943.5	2962.7	2943.5	2924.3	2919.5	2497.3	1934.3	1652.8	1394.2
110°	2985.9	3006.5	3089.2	3171.8	3089.2	3006.5	2985.9	2513.9	1884.5	1569.8	1336.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2943.6	2975.3	3102.2	3229.1	3102.2	2975.3	2943.6	2460.5	1816.3	1494.2	1286.4
115°	2800.0	2844.0	3019.9	3195.9	3019.9	2844.0	2800.0	2334.6	1714.0	1403.7	1228.7
117.5°	2601.5	2650.4	2845.5	3040.7	2845.5	2650.4	2601.5	2181.5	1621.4	1341.4	1192.5
120°	2467.9	2515.3	2705.0	2894.6	2705.0	2515.3	2467.9	2084.1	1572.4	1316.5	1180.4
122.5°	2334.3	2381.1	2568.1	2755.2	2568.1	2381.1	2334.3	1988.7	1527.8	1297.4	1174.1
125°	2157.5	2200.6	2372.9	2545.1	2372.9	2200.6	2157.5	1863.9	1472.5	1276.7	1168.8
127.5°	2015.5	2051.9	2197.3	2342.6	2197.3	2051.9	2015.5	1763.5	1427.4	1259.3	1165.8
130°	1925.8	1959.4	2093.7	2228.1	2093.7	1959.4	1925.8	1701.4	1402.2	1252.6	1167.5
132.5°	1849.5	1879.6	1999.8	2120.2	1999.8	1879.6	1849.5	1648.6	1380.7	1246.8	1168.8
135°	1741.6	1767.5	1871.2	1974.8	1871.2	1767.5	1741.6	1573.3	1349.0	1236.9	1167.7
137.5°	1661.9	1683.1	1767.9	1852.8	1767.9	1683.1	1661.9	1519.7	1330.0	1235.2	1174.9
140°	1598.0	1617.8	1697.1	1776.4	1697.1	1617.8	1598.0	1475.1	1311.3	1229.4	1176.1
142.5°	1553.2	1570.2	1638.5	1706.7	1638.5	1570.2	1553.2	1445.2	1301.4	1229.4	1180.3
145°	1485.9	1498.9	1550.5	1602.1	1550.5	1498.9	1485.9	1397.7	1279.9	1221.1	1180.3
147.5°	1429.4	1440.2	1482.9	1525.8	1482.9	1440.2	1429.4	1360.0	1267.4	1221.1	1188.4
150°	1397.0	1405.7	1440.4	1475.1	1440.4	1405.7	1397.0	1338.4	1260.2	1221.1	1192.7
152.5°	1371.3	1377.8	1404.1	1430.2	1404.1	1377.8	1371.3	1321.3	1254.5	1221.1	1195.5
155°	1340.6	1345.0	1362.3	1379.6	1362.3	1345.0	1340.6	1300.8	1247.7	1221.1	1201.6
157.5°	1314.0	1317.1	1329.3	1341.4	1329.3	1317.1	1314.0	1283.1	1241.7	1221.1	1207.6
160°	1300.8	1302.6	1309.6	1316.5	1309.6	1302.6	1300.8	1274.2	1238.8	1221.1	1210.4
162.5°	1288.3	1290.0	1296.6	1303.3	1296.6	1290.0	1288.3	1265.9	1236.0	1221.1	1213.3
165°	1269.2	1271.0	1278.0	1285.0	1278.0	1271.0	1269.2	1253.1	1231.8	1221.1	1217.6
167.5°	1260.9	1261.6	1264.7	1267.6	1264.7	1261.6	1260.9	1250.4	1236.4	1229.4	1226.5
170°	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1250.4	1236.4	1229.4	1229.2
172.5°	1254.3	1253.7	1251.1	1248.5	1251.1	1253.7	1254.3	1246.0	1234.9	1229.4	1229.4
175°	1245.2	1245.2	1245.2	1245.2	1245.2	1245.2	1245.2	1239.9	1232.9	1229.4	1231.1
177.5°	1243.5	1242.8	1239.8	1236.9	1239.8	1242.8	1243.5	1239.4	1233.9	1231.1	1232.4
180°	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9	1236.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2795.8	2809.2	2817.2	2827.9	2854.7
5°	2688.7	2739.5	2755.6	2795.8	2844.0
7.5°	2453.0	2608.3	2651.2	2747.6	2822.6
10°	2225.3	2380.7	2455.7	2683.3	2795.8
12.5°	2110.2	2201.2	2252.1	2570.8	2758.3
15°	2037.9	2102.1	2139.6	2420.9	2715.4
17.5°	1981.6	2027.1	2053.9	2273.5	2656.5
20°	1946.8	1968.2	1992.3	2166.4	2589.6
22.5°	1922.7	1909.3	1928.1	2091.4	2498.5
25°	1906.6	1855.8	1877.2	2032.5	2391.4
27.5°	1920.0	1807.6	1815.6	1978.9	2278.9
30°	1922.7	1748.6	1751.3	1922.7	2153.0
32.5°	1904.0	1687.1	1689.7	1853.1	2011.1
35°	1858.4	1614.7	1612.1	1772.7	1818.3
37.5°	1796.8	1537.1	1537.1	1684.4	1606.7
40°	1721.9	1459.4	1467.5	1569.2	1419.3
42.5°	1630.8	1376.4	1387.1	1416.6	1280.0
45°	1531.7	1296.1	1304.1	1197.0	1172.9
47.5°	1421.9	1213.1	1215.7	993.5	1138.1
50°	1290.7	1127.4	1116.7	851.6	1135.4
52.5°	1175.6	1033.7	1001.5	771.2	1031.0
55°	1063.1	934.6	864.9	709.6	956.0
57.5°	964.0	806.0	739.1	637.3	939.9
60°	873.0	680.2	629.3	559.7	862.3
62.5°	798.0	586.5	575.7	506.1	781.9
65°	717.7	522.2	519.5	460.6	664.1
67.5°	640.0	479.3	476.7	417.7	506.1
70°	557.0	433.8	428.5	372.2	374.9
72.5°	471.3	382.9	377.6	334.7	310.6
75°	385.6	324.0	321.3	291.9	251.7
77.5°	302.6	257.1	262.4	235.7	184.8
80°	216.9	187.5	192.8	168.7	139.2
82.5°	144.6	123.2	128.5	107.1	93.7
85°	80.3	69.6	72.3	56.2	42.8
87.5°	37.5	32.1	32.1	21.4	13.4
90°	36.5	23.2	21.5	14.9	8.3
92.5°	225.2	160.2	146.1	89.6	33.2
95°	554.2	312.1	286.4	183.0	79.7
97.5°	746.6	342.9	320.1	229.0	137.8
100°	816.6	368.6	347.9	265.3	182.6
102.5°	848.6	394.3	375.0	298.0	220.8
105°	872.4	432.5	416.1	350.9	285.5
107.5°	876.9	489.0	473.7	412.8	352.0
110°	870.2	520.5	506.7	451.8	396.8



TEST NUMBER: P934727

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	870.6	558.7	545.6	493.2	440.8
115°	878.5	615.9	603.9	555.5	507.2
117.5°	894.9	671.5	660.5	616.7	572.8
120°	908.2	703.9	693.6	652.3	611.0
122.5°	927.3	742.1	731.7	690.0	648.3
125°	953.0	791.1	781.7	743.6	705.6
127.5°	978.8	838.4	828.9	790.5	752.1
130°	997.5	869.9	859.6	818.4	777.0
132.5°	1012.7	895.7	885.3	844.1	802.7
135°	1029.4	925.6	916.2	878.5	840.9
137.5°	1054.3	963.8	954.5	917.2	879.9
140°	1069.4	989.5	980.9	946.5	912.3
142.5°	1082.2	1008.6	1000.6	968.9	937.2
145°	1098.8	1037.7	1030.7	1003.0	975.4
147.5°	1123.2	1074.2	1067.5	1040.5	1013.6
150°	1135.9	1093.3	1087.2	1062.8	1038.5
152.5°	1144.2	1105.7	1101.0	1082.7	1064.2
155°	1162.5	1133.1	1129.7	1116.0	1102.4
157.5°	1180.7	1160.5	1157.2	1143.9	1130.6
160°	1189.1	1173.0	1170.4	1160.0	1149.7
162.5°	1197.8	1186.2	1184.2	1176.6	1168.8
165°	1210.6	1205.3	1203.5	1196.6	1189.6
167.5°	1220.6	1216.1	1215.3	1211.9	1208.6
170°	1228.9	1228.6	1227.8	1224.4	1221.1
172.5°	1229.4	1229.4	1229.2	1228.4	1227.7
175°	1234.4	1236.9	1236.9	1236.9	1236.9
177.5°	1234.9	1236.9	1236.9	1236.9	1236.9
180°	1236.9	1236.9	1236.9	1236.9	1236.9



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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	12.14	12.99	13.12	13.97	15.28	14.99	15.84	15.97	16.83	18.13
	3H	12.62	13.37	13.61	14.37	15.70	16.35	17.10	17.33	18.10	19.42
	4H	12.81	13.52	13.81	14.52	15.86	16.79	17.51	17.79	18.51	19.84
	6H	12.93	13.58	13.94	14.59	15.94	17.08	17.74	18.09	18.75	20.09
	8H	12.93	13.55	13.94	14.58	15.92	17.16	17.79	18.18	18.81	20.15
	12H	12.90	13.49	13.92	14.51	15.88	17.20	17.80	18.22	18.81	20.18
4H	2H	13.18	13.89	14.18	14.89	16.23	15.40	16.11	16.41	17.12	18.45
	3H	14.20	14.80	15.22	15.83	17.18	16.91	17.51	17.93	18.54	19.88
	4H	14.48	15.02	15.50	16.05	17.42	17.44	17.99	18.47	19.01	20.38
	6H	14.60	15.07	15.64	16.12	17.48	17.81	18.28	18.85	19.33	20.69
	8H	14.61	15.05	15.64	16.08	17.46	17.92	18.36	18.96	19.40	20.78
	12H	14.57	14.97	15.63	16.02	17.41	17.98	18.38	19.03	19.43	20.82
8H	4H	14.93	15.37	15.97	16.41	17.79	17.57	18.00	18.60	19.04	20.42
	6H	15.20	15.56	16.25	16.64	18.02	18.01	18.37	19.07	19.45	20.83
	8H	15.24	15.56	16.30	16.62	18.02	18.16	18.48	19.23	19.55	20.94
	12H	15.22	15.50	16.29	16.56	18.00	18.26	18.54	19.33	19.60	21.04
12H	4H	14.94	15.34	15.99	16.39	17.78	17.53	17.92	18.58	18.98	20.36
	6H	15.26	15.58	16.32	16.64	18.04	18.00	18.32	19.07	19.39	20.78
	8H	15.32	15.60	16.39	16.66	18.10	18.17	18.45	19.24	19.51	20.95