

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: P934756

Luminaire Tested: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934756
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-93050-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

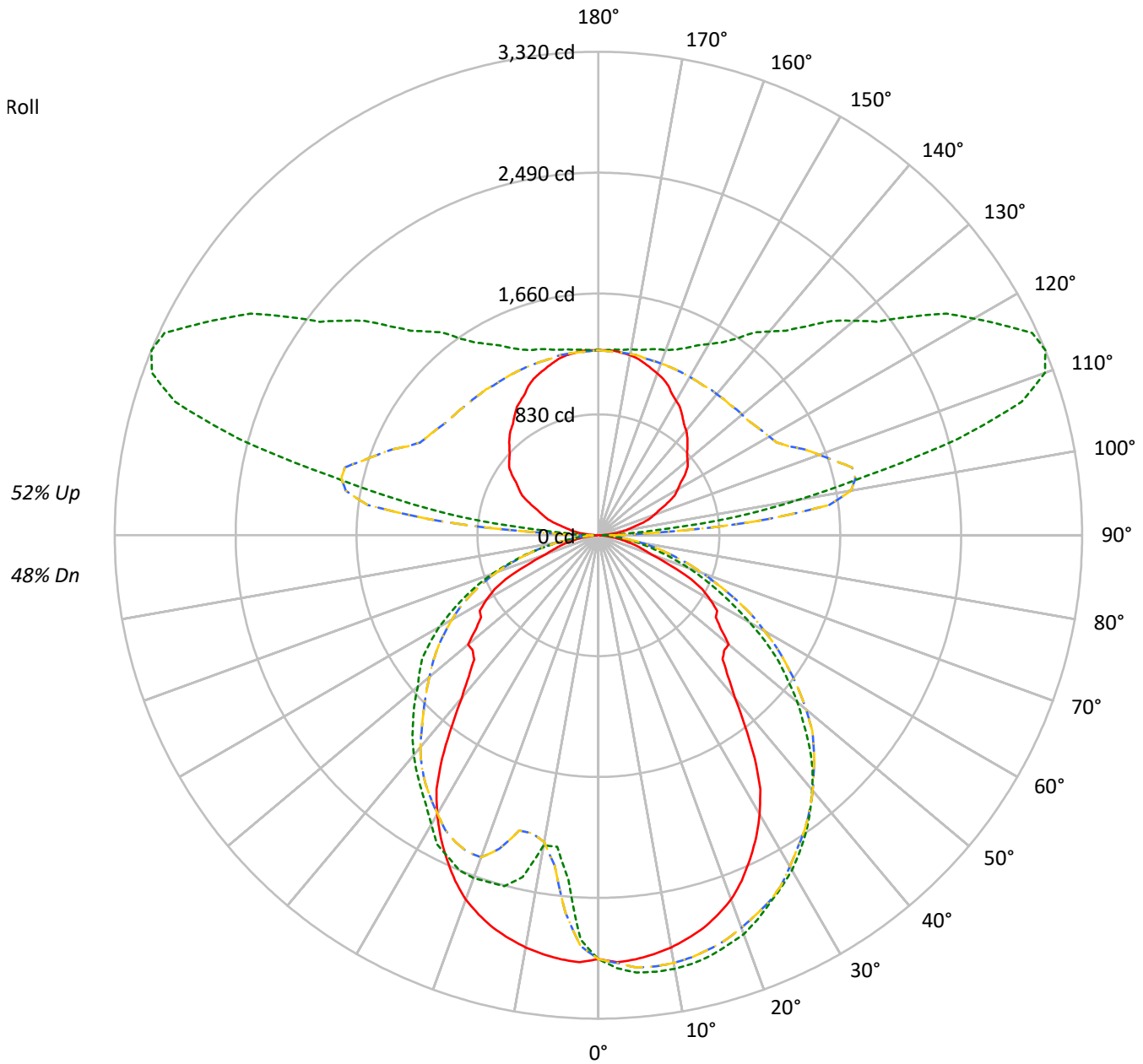
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15793.4 lumens
Efficiency: N/A
Efficacy: 124.2 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

TEST NUMBER: P934756
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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	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	48	48	48	48	48	48	48	48	48	48	48		
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40	39	38	37	36	35	34	33	32	31	30	29		
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	33	32	31	30	29	28	27	26	25	24	23		
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29	28	27	26	25	24	23	22	21	20	19	18		
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25	24	23	22	21	20	19	18	17	16	15	14		
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21	20	19	18	17	16	15	14	13	12	11	10		
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	18	17	16	15	14	13	12	11	10	9	8		
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17	16	15	14	13	12	11	10	9	8	7	6		
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	14	13	12	11	10	9	8	7	6	5	4		
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	12	11	10	9	8	7	6	5	4	3	2		
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	11	10	9	8	7	6	5	4	3	2	1		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9001	9001	9001	9001
5°	9072	9086	9072	7144
10°	9014	8950	9014	6399
15°	8920	8757	8920	7312
20°	8737	8527	8737	7327
25°	8358	8192	8358	7172
30°	7868	7914	7868	6831
35°	7017	7562	7017	6456
40°	5851	7147	5851	6173
45°	5231	6662	5231	5848
50°	5562	6084	5562	5521
55°	5238	5461	5238	5332
60°	5406	4638	5406	4883
65°	4910	3834	4910	4286
70°	3407	3056	3407	3593
75°	3000	2259	3000	2705
80°	2436	1493	2436	1626
85°	1426	791	1426	672

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8012 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.7	1.7
10°-20°	745.8	4.7
20°-30°	1152.9	7.3
30°-40°	1376.3	8.7
40°-50°	1384.4	8.8
50°-60°	1204.6	7.6
60°-70°	854.1	5.4
70°-80°	451.9	2.9
80°-90°	117.4	0.7
90°-100°	619.8	3.9
100°-110°	1629.6	10.3
110°-120°	1689.7	10.7
120°-130°	1355.4	8.6
130°-140°	1063.5	6.7
140°-150°	816.3	5.2
150°-160°	587.8	3.7
160°-170°	359.7	2.3
170°-180°	121.5	0.8
0°-30°	2161.4	13.7
0°-40°	3537.8	22.4
0°-60°	6126.8	38.8
0°-90°	7550.1	47.8
90°-120°	3939.2	24.9
90°-150°	7174.3	45.4
90°-180°	8243.0	52.2
0°-180°	15793.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2910	2910	2910	2910	2910	
5°	2924	3015	2924	2370	2924	277
15°	2792	2987	2792	2494	2792	785
25°	2459	2786	2459	2439	2459	1129
35°	1869	2486	1869	2123	1869	1157
45°	1206	2048	1206	1798	1206	966
55°	983	1511	983	1476	983	903
65°	683	911	683	1019	683	653
75°	259	432	259	518	259	272
85°	44	110	44	94	44	59
90°	8	32	8	32	8	9
95°	82	375	82	375	82	91
105°	294	2552	294	2552	294	311
115°	521	3286	521	3286	521	515
125°	725	2617	725	2617	725	644
135°	865	2030	865	2030	865	669
145°	1003	1647	1003	1647	1003	628
155°	1133	1418	1133	1418	1133	521
165°	1223	1321	1223	1321	1223	345
175°	1272	1280	1272	1280	1272	121
180°	1272	1272	1272	1272	1272	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2934.9	2934.9	2951.4	2956.9	2956.9	2948.6	2940.4	2948.6	2973.4	2981.7	2978.9
5°	2923.9	2945.9	2976.2	2981.7	2987.2	2984.4	2978.9	2984.4	3012.0	3017.5	3020.2
7.5°	2901.8	2943.1	2981.7	2989.9	2998.2	2989.9	2987.2	2992.7	3020.2	3025.7	3025.7
10°	2874.3	2932.1	2976.2	2981.7	2989.9	2981.7	2981.7	2992.7	3020.2	3025.7	3028.5
12.5°	2835.8	2915.6	2956.9	2962.4	2973.4	2970.7	2967.9	2978.9	3006.5	3012.0	3012.0
15°	2791.7	2885.3	2923.9	2929.4	2948.6	2943.1	2943.1	2954.2	2984.4	2992.7	2989.9
17.5°	2731.2	2846.8	2890.8	2899.1	2912.9	2910.1	2912.9	2923.9	2951.4	2956.9	2959.7
20°	2662.3	2794.5	2846.8	2855.0	2868.8	2868.8	2868.8	2882.6	2910.1	2921.1	2921.1
22.5°	2568.7	2739.4	2794.5	2800.0	2816.5	2816.5	2822.0	2841.3	2866.1	2868.8	2868.8
25°	2458.6	2678.8	2725.6	2742.2	2758.7	2766.9	2775.2	2786.2	2794.5	2791.7	2794.5
27.5°	2342.9	2601.8	2662.3	2673.3	2695.4	2703.6	2714.6	2717.4	2720.1	2728.4	2722.9
30°	2213.5	2494.4	2585.2	2596.3	2632.0	2637.5	2626.5	2632.0	2645.8	2651.3	2656.8
32.5°	2067.6	2334.6	2505.4	2530.2	2563.2	2546.7	2543.9	2552.2	2574.2	2574.2	2579.7
35°	1869.3	2210.7	2431.1	2453.1	2477.9	2458.6	2469.6	2472.4	2486.1	2494.4	2491.6
37.5°	1651.9	2103.4	2353.9	2370.4	2389.7	2364.9	2381.4	2389.7	2400.7	2395.2	2395.2
40°	1459.1	1935.4	2263.0	2274.0	2290.6	2271.3	2287.8	2293.3	2298.8	2293.3	2290.6
42.5°	1316.0	1751.0	2166.7	2180.4	2169.4	2183.2	2188.7	2199.7	2191.5	2180.4	2180.4
45°	1205.9	1701.4	2062.1	2078.6	2062.1	2084.1	2092.3	2092.3	2067.6	2062.1	2059.3
47.5°	1170.1	1602.3	1957.4	1957.4	1949.2	1976.7	1990.5	1971.2	1946.4	1938.2	1938.2
50°	1167.3	1492.2	1814.3	1803.3	1841.8	1874.9	1861.1	1841.8	1822.5	1792.3	1792.3
52.5°	1059.9	1357.3	1629.8	1671.1	1731.7	1751.0	1728.9	1709.7	1676.6	1662.9	1651.9
55°	982.9	1216.9	1461.9	1544.5	1607.8	1632.6	1591.3	1572.0	1522.5	1514.2	1508.7
57.5°	966.3	1013.1	1307.7	1412.3	1489.4	1486.7	1461.9	1426.1	1384.8	1376.5	1373.8
60°	886.5	732.3	1142.5	1266.4	1346.3	1338.0	1316.0	1282.9	1244.4	1238.9	1233.4
62.5°	803.9	531.3	955.3	1095.7	1208.6	1205.9	1186.6	1137.0	1109.5	1095.7	1084.7
65°	682.8	446.0	680.0	911.3	1073.7	1079.2	1037.9	1002.1	971.8	955.3	952.6
67.5°	520.3	363.4	459.8	759.9	944.3	938.8	886.5	870.0	831.4	823.2	806.7
70°	385.4	242.3	319.4	616.7	817.7	803.9	762.6	743.3	707.5	688.3	677.3
72.5°	319.4	195.5	234.0	479.0	688.3	671.8	636.0	613.9	583.7	567.1	556.1
75°	258.8	206.5	179.0	355.1	558.9	547.9	514.8	492.8	468.0	446.0	448.8
77.5°	190.0	192.7	143.2	261.5	443.2	426.7	407.5	379.9	368.9	346.9	346.9
80°	143.2	151.4	107.4	179.0	319.4	319.4	302.8	283.6	264.3	253.3	253.3
82.5°	96.4	96.4	79.8	112.9	217.5	209.2	198.2	192.7	181.7	176.2	176.2
85°	44.0	55.1	49.6	68.8	118.4	123.9	123.9	118.4	115.6	110.1	112.9
87.5°	13.8	24.8	30.3	38.5	60.6	63.3	66.1	66.1	66.1	68.8	68.8
90°	8.5	15.3	22.1	23.9	37.5	55.8	64.9	57.6	43.2	32.4	32.4
92.5°	34.1	92.1	150.2	164.7	231.5	320.6	365.2	320.1	229.9	162.2	155.7
95°	82.0	188.1	294.4	320.9	569.8	901.7	1067.6	952.8	722.9	550.4	530.9
97.5°	141.7	235.4	329.1	352.5	767.6	1320.9	1597.6	1524.9	1379.7	1270.7	1233.6
100°	187.8	272.7	357.7	378.9	839.5	1453.5	1760.6	1765.9	1776.6	1784.5	1740.2
102.5°	227.0	306.3	385.5	405.3	872.5	1495.3	1806.8	1899.3	2084.4	2223.2	2185.3
105°	293.6	360.7	427.8	444.6	897.0	1500.1	1801.6	2009.1	2424.1	2735.3	2714.9
107.5°	361.8	424.4	487.0	502.7	901.5	1433.3	1699.2	1988.6	2567.4	3001.5	3006.5
110°	407.9	464.4	521.0	535.1	894.7	1374.2	1613.9	1937.4	2584.5	3069.8	3091.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	453.2	507.0	560.9	574.4	895.0	1322.5	1536.2	1867.3	2529.6	3026.3	3058.9
115°	521.4	571.1	620.8	633.2	903.2	1263.2	1443.2	1762.2	2400.1	2878.6	2923.9
117.5°	588.9	634.0	679.1	690.4	920.0	1226.0	1379.1	1667.0	2242.8	2674.6	2724.8
120°	628.2	670.7	713.0	723.7	933.7	1213.6	1353.5	1616.5	2142.6	2537.2	2586.0
122.5°	666.5	709.4	752.2	763.0	953.3	1207.0	1333.9	1570.7	2044.5	2399.9	2448.0
125°	725.4	764.5	803.6	813.4	979.7	1201.6	1312.6	1513.8	1916.2	2218.1	2262.4
127.5°	773.2	812.7	852.2	862.0	1006.3	1198.5	1294.7	1467.5	1813.0	2072.2	2109.5
130°	798.9	841.3	883.7	894.4	1025.5	1200.3	1287.8	1441.6	1749.2	1979.9	2014.4
132.5°	825.3	867.8	910.2	920.8	1041.1	1201.6	1281.8	1419.5	1694.9	1901.5	1932.4
135°	864.6	903.2	941.9	951.6	1058.3	1200.5	1271.6	1386.9	1617.5	1790.5	1817.1
137.5°	904.7	942.9	981.3	990.8	1083.9	1207.9	1269.9	1367.4	1562.4	1708.6	1730.4
140°	937.9	973.1	1008.5	1017.3	1099.5	1209.2	1263.9	1348.2	1516.6	1642.9	1663.2
142.5°	963.5	996.2	1028.7	1036.9	1112.6	1213.5	1263.9	1337.9	1485.8	1596.8	1614.3
145°	1002.8	1031.2	1059.7	1066.8	1129.7	1213.5	1255.4	1315.9	1436.9	1527.7	1541.0
147.5°	1042.0	1069.8	1097.5	1104.4	1154.7	1221.8	1255.4	1303.0	1398.2	1469.6	1480.6
150°	1067.6	1092.7	1117.8	1124.0	1167.8	1226.2	1255.4	1295.6	1376.0	1436.3	1445.2
152.5°	1094.1	1113.1	1132.0	1136.7	1176.3	1229.1	1255.4	1289.7	1358.4	1409.9	1416.6
155°	1133.4	1147.4	1161.4	1164.9	1195.1	1235.3	1255.4	1282.8	1337.4	1378.3	1382.8
157.5°	1162.4	1176.0	1189.7	1193.1	1213.8	1241.5	1255.4	1276.6	1319.1	1350.9	1354.1
160°	1182.0	1192.6	1203.3	1205.9	1222.5	1244.4	1255.4	1273.6	1310.0	1337.4	1339.2
162.5°	1201.6	1209.6	1217.5	1219.5	1231.5	1247.4	1255.4	1270.7	1301.5	1324.5	1326.3
165°	1223.0	1230.2	1237.3	1239.2	1244.6	1251.8	1255.4	1266.4	1288.4	1304.9	1306.7
167.5°	1242.6	1246.0	1249.4	1250.3	1254.9	1260.9	1263.9	1271.1	1285.5	1296.3	1297.1
170°	1255.4	1258.8	1262.3	1263.1	1263.4	1263.8	1263.9	1271.1	1285.5	1296.3	1296.3
172.5°	1262.2	1262.9	1263.8	1263.9	1263.9	1263.9	1263.9	1269.6	1281.0	1289.5	1288.9
175°	1271.6	1271.6	1271.6	1271.6	1269.1	1265.7	1263.9	1267.5	1274.8	1280.2	1280.2
177.5°	1271.6	1271.6	1271.6	1271.6	1269.6	1267.0	1265.7	1268.5	1274.2	1278.4	1277.7
180°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2984.4	2976.2	2984.4	2978.9	2981.7	2973.4	2948.6	2940.4	2948.6	2956.9	2956.9
5°	3020.2	3014.7	3020.2	3020.2	3017.5	3012.0	2984.4	2978.9	2984.4	2987.2	2981.7
7.5°	3031.2	3023.0	3031.2	3025.7	3025.7	3020.2	2992.7	2987.2	2989.9	2998.2	2989.9
10°	3031.2	3023.0	3031.2	3028.5	3025.7	3020.2	2992.7	2981.7	2981.7	2989.9	2981.7
12.5°	3017.5	3012.0	3017.5	3012.0	3012.0	3006.5	2978.9	2967.9	2970.7	2973.4	2962.4
15°	2995.4	2987.2	2995.4	2989.9	2992.7	2984.4	2954.2	2943.1	2943.1	2948.6	2929.4
17.5°	2962.4	2951.4	2962.4	2959.7	2956.9	2951.4	2923.9	2912.9	2910.1	2912.9	2899.1
20°	2923.9	2915.6	2923.9	2921.1	2921.1	2910.1	2882.6	2868.8	2868.8	2868.8	2855.0
22.5°	2863.3	2855.0	2863.3	2868.8	2868.8	2866.1	2841.3	2822.0	2816.5	2816.5	2800.0
25°	2794.5	2786.2	2794.5	2794.5	2791.7	2794.5	2786.2	2775.2	2766.9	2758.7	2742.2
27.5°	2728.4	2722.9	2728.4	2722.9	2728.4	2720.1	2717.4	2714.6	2703.6	2695.4	2673.3
30°	2662.3	2656.8	2662.3	2656.8	2651.3	2645.8	2632.0	2626.5	2637.5	2632.0	2596.3
32.5°	2579.7	2574.2	2579.7	2579.7	2574.2	2574.2	2552.2	2543.9	2546.7	2563.2	2530.2
35°	2494.4	2486.1	2494.4	2491.6	2494.4	2486.1	2472.4	2469.6	2458.6	2477.9	2453.1
37.5°	2395.2	2386.9	2395.2	2395.2	2395.2	2400.7	2389.7	2381.4	2364.9	2389.7	2370.4
40°	2293.3	2282.3	2293.3	2290.6	2293.3	2298.8	2293.3	2287.8	2271.3	2290.6	2274.0
42.5°	2177.7	2174.9	2177.7	2180.4	2180.4	2191.5	2199.7	2188.7	2183.2	2169.4	2180.4
45°	2053.8	2048.3	2053.8	2059.3	2062.1	2067.6	2092.3	2092.3	2084.1	2062.1	2078.6
47.5°	1921.7	1907.9	1921.7	1938.2	1938.2	1946.4	1971.2	1990.5	1976.7	1949.2	1957.4
50°	1781.2	1784.0	1781.2	1792.3	1792.3	1822.5	1841.8	1861.1	1874.9	1841.8	1803.3
52.5°	1643.6	1640.8	1643.6	1651.9	1662.9	1676.6	1709.7	1728.9	1751.0	1731.7	1671.1
55°	1505.9	1511.4	1505.9	1508.7	1514.2	1522.5	1572.0	1591.3	1632.6	1607.8	1544.5
57.5°	1368.3	1360.0	1368.3	1373.8	1376.5	1384.8	1426.1	1461.9	1486.7	1489.4	1412.3
60°	1208.6	1197.6	1208.6	1233.4	1238.9	1244.4	1282.9	1316.0	1338.0	1346.3	1266.4
62.5°	1068.2	1048.9	1068.2	1084.7	1095.7	1109.5	1137.0	1186.6	1205.9	1208.6	1095.7
65°	919.5	911.3	919.5	952.6	955.3	971.8	1002.1	1037.9	1079.2	1073.7	911.3
67.5°	784.6	784.6	784.6	806.7	823.2	831.4	870.0	886.5	938.8	944.3	759.9
70°	660.7	658.0	660.7	677.3	688.3	707.5	743.3	762.6	803.9	817.7	616.7
72.5°	542.4	539.6	542.4	556.1	567.1	583.7	613.9	636.0	671.8	688.3	479.0
75°	437.7	432.2	437.7	448.8	446.0	468.0	492.8	514.8	547.9	558.9	355.1
77.5°	335.9	335.9	335.9	346.9	346.9	368.9	379.9	407.5	426.7	443.2	261.5
80°	250.5	247.8	250.5	253.3	253.3	264.3	283.6	302.8	319.4	319.4	179.0
82.5°	176.2	170.7	176.2	176.2	176.2	181.7	192.7	198.2	209.2	217.5	112.9
85°	110.1	110.1	110.1	112.9	110.1	115.6	118.4	123.9	123.9	118.4	68.8
87.5°	71.6	68.8	71.6	68.8	68.8	66.1	66.1	66.1	63.3	60.6	38.5
90°	32.4	32.4	32.4	32.4	32.4	43.2	57.6	64.9	55.8	37.5	23.9
92.5°	129.9	104.2	129.9	155.7	162.2	229.9	320.1	365.2	320.6	231.5	164.7
95°	452.8	374.7	452.8	530.9	550.4	722.9	952.8	1067.6	901.7	569.8	320.9
97.5°	1084.9	936.2	1084.9	1233.6	1270.7	1379.7	1524.9	1597.6	1320.9	767.6	352.5
100°	1563.1	1386.0	1563.1	1740.2	1784.5	1776.6	1765.9	1760.6	1453.5	839.5	378.9
102.5°	2033.5	1881.8	2033.5	2185.3	2223.2	2084.4	1899.3	1806.8	1495.3	872.5	405.3
105°	2633.3	2551.7	2633.3	2714.9	2735.3	2424.1	2009.1	1801.6	1500.1	897.0	444.6
107.5°	3026.2	3045.9	3026.2	3006.5	3001.5	2567.4	1988.6	1699.2	1433.3	901.5	502.7
110°	3176.0	3260.9	3176.0	3091.0	3069.8	2584.5	1937.4	1613.9	1374.2	894.7	535.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3189.4	3319.9	3189.4	3058.9	3026.3	2529.6	1867.3	1536.2	1322.5	895.0	574.4
115°	3104.7	3285.7	3104.7	2923.9	2878.6	2400.1	1762.2	1443.2	1263.2	903.2	633.2
117.5°	2925.4	3126.1	2925.4	2724.8	2674.6	2242.8	1667.0	1379.1	1226.0	920.0	690.4
120°	2781.0	2975.9	2781.0	2586.0	2537.2	2142.6	1616.5	1353.5	1213.6	933.7	723.7
122.5°	2640.2	2832.6	2640.2	2448.0	2399.9	2044.5	1570.7	1333.9	1207.0	953.3	763.0
125°	2439.5	2616.6	2439.5	2262.4	2218.1	1916.2	1513.8	1312.6	1201.6	979.7	813.4
127.5°	2259.0	2408.4	2259.0	2109.5	2072.2	1813.0	1467.5	1294.7	1198.5	1006.3	862.0
130°	2152.5	2290.7	2152.5	2014.4	1979.9	1749.2	1441.6	1287.8	1200.3	1025.5	894.4
132.5°	2056.0	2179.7	2056.0	1932.4	1901.5	1694.9	1419.5	1281.8	1201.6	1041.1	920.8
135°	1923.8	2030.3	1923.8	1817.1	1790.5	1617.5	1386.9	1271.6	1200.5	1058.3	951.6
137.5°	1817.6	1904.9	1817.6	1730.4	1708.6	1562.4	1367.4	1269.9	1207.9	1083.9	990.8
140°	1744.8	1826.3	1744.8	1663.2	1642.9	1516.6	1348.2	1263.9	1209.2	1099.5	1017.3
142.5°	1684.5	1754.6	1684.5	1614.3	1596.8	1485.8	1337.9	1263.9	1213.5	1112.6	1036.9
145°	1594.0	1647.1	1594.0	1541.0	1527.7	1436.9	1315.9	1255.4	1213.5	1129.7	1066.8
147.5°	1524.6	1568.6	1524.6	1480.6	1469.6	1398.2	1303.0	1255.4	1221.8	1154.7	1104.4
150°	1480.9	1516.6	1480.9	1445.2	1436.3	1376.0	1295.6	1255.4	1226.2	1167.8	1124.0
152.5°	1443.5	1470.4	1443.5	1416.6	1409.9	1358.4	1289.7	1255.4	1229.1	1176.3	1136.7
155°	1400.6	1418.4	1400.6	1382.8	1378.3	1337.4	1282.8	1255.4	1235.3	1195.1	1164.9
157.5°	1366.6	1379.1	1366.6	1354.1	1350.9	1319.1	1276.6	1255.4	1241.5	1213.8	1193.1
160°	1346.4	1353.5	1346.4	1339.2	1337.4	1310.0	1273.6	1255.4	1244.4	1222.5	1205.9
162.5°	1333.0	1339.9	1333.0	1326.3	1324.5	1301.5	1270.7	1255.4	1247.4	1231.5	1219.5
165°	1313.9	1321.1	1313.9	1306.7	1304.9	1288.4	1266.4	1255.4	1251.8	1244.6	1239.2
167.5°	1300.2	1303.2	1300.2	1297.1	1296.3	1285.5	1271.1	1263.9	1260.9	1254.9	1250.3
170°	1296.3	1296.3	1296.3	1296.3	1296.3	1285.5	1271.1	1263.9	1263.8	1263.4	1263.1
172.5°	1286.2	1283.6	1286.2	1288.9	1289.5	1281.0	1269.6	1263.9	1263.9	1263.9	1263.9
175°	1280.2	1280.2	1280.2	1280.2	1280.2	1274.8	1267.5	1263.9	1265.7	1269.1	1271.6
177.5°	1274.7	1271.6	1274.7	1277.7	1278.4	1274.2	1268.5	1265.7	1267.0	1269.6	1271.6
180°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6



TEST NUMBER: P934756

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2951.4	2934.9	2934.9	2907.3	2896.3	2888.1	2874.3	2833.0	2822.0	2811.0	2827.5
5°	2976.2	2945.9	2923.9	2874.3	2833.0	2816.5	2764.2	2665.1	2599.0	2549.4	2521.9
7.5°	2981.7	2943.1	2901.8	2824.8	2725.6	2681.6	2521.9	2340.1	2290.6	2246.5	2219.0
10°	2976.2	2932.1	2874.3	2758.7	2524.7	2447.6	2287.8	2169.4	2139.1	2130.9	2139.1
12.5°	2956.9	2915.6	2835.8	2643.1	2315.3	2263.0	2169.4	2100.6	2095.1	2108.9	2183.2
15°	2923.9	2885.3	2791.7	2488.9	2199.7	2161.2	2095.1	2070.3	2100.6	2197.0	2420.0
17.5°	2890.8	2846.8	2731.2	2337.4	2111.6	2084.1	2037.3	2086.8	2257.5	2386.9	2461.3
20°	2846.8	2794.5	2662.3	2227.2	2048.3	2023.5	2001.5	2224.5	2353.9	2400.7	2442.1
22.5°	2794.5	2739.4	2568.7	2150.2	1982.2	1962.9	1976.7	2301.6	2353.9	2386.9	2422.7
25°	2725.6	2678.8	2458.6	2089.6	1929.9	1907.9	1960.2	2293.3	2323.6	2331.9	2403.4
27.5°	2662.3	2601.8	2342.9	2034.5	1866.6	1858.3	1974.0	2257.5	2279.6	2287.8	2364.9
30°	2585.2	2494.4	2213.5	1976.7	1800.5	1797.8	1976.7	2213.5	2208.0	2230.0	2307.1
32.5°	2505.4	2334.6	2067.6	1905.1	1737.2	1734.4	1957.4	2147.4	2141.9	2172.2	2230.0
35°	2431.1	2210.7	1869.3	1822.5	1657.4	1660.1	1910.6	2070.3	2073.1	2100.6	2136.4
37.5°	2353.9	2103.4	1651.9	1731.7	1580.3	1580.3	1847.3	1998.7	1993.2	2001.5	2051.0
40°	2263.0	1935.4	1459.1	1613.3	1508.7	1500.4	1770.2	1921.7	1902.4	1899.6	1968.5
42.5°	2166.7	1751.0	1316.0	1456.4	1426.1	1415.1	1676.6	1828.0	1792.3	1800.5	1888.6
45°	2062.1	1701.4	1205.9	1230.6	1340.8	1332.5	1574.8	1720.7	1695.9	1717.9	1808.8
47.5°	1957.4	1602.3	1170.1	1021.4	1249.9	1247.1	1461.9	1616.1	1602.3	1624.3	1720.7
50°	1814.3	1492.2	1167.3	875.5	1148.0	1159.0	1327.0	1514.2	1514.2	1533.5	1635.3
52.5°	1629.8	1357.3	1059.9	792.9	1029.7	1062.7	1208.6	1426.1	1431.6	1450.9	1541.7
55°	1461.9	1216.9	982.9	729.6	889.2	960.8	1093.0	1335.2	1346.3	1365.5	1448.1
57.5°	1307.7	1013.1	966.3	655.2	759.9	828.7	991.1	1247.1	1252.7	1269.2	1349.0
60°	1142.5	732.3	886.5	575.4	647.0	699.3	897.5	1142.5	1161.8	1172.8	1241.6
62.5°	955.3	531.3	803.9	520.3	591.9	602.9	820.4	1043.4	1068.2	1076.5	1117.8
65°	680.0	446.0	682.8	473.5	534.1	536.9	737.8	941.6	963.6	977.3	1007.6
67.5°	459.8	363.4	520.3	429.5	490.0	492.8	658.0	823.2	853.5	864.5	883.7
70°	319.4	242.3	385.4	382.7	440.5	446.0	572.6	715.8	743.3	751.6	762.6
72.5°	234.0	195.5	319.4	344.1	388.2	393.7	484.5	594.7	622.2	630.5	636.0
75°	179.0	206.5	258.8	300.1	330.4	333.1	396.4	484.5	503.8	509.3	512.1
77.5°	143.2	192.7	190.0	242.3	269.8	264.3	311.1	374.4	390.9	390.9	390.9
80°	107.4	151.4	143.2	173.4	198.2	192.7	223.0	267.0	272.6	278.1	275.3
82.5°	79.8	96.4	96.4	110.1	132.1	126.6	148.7	173.4	173.4	173.4	179.0
85°	49.6	55.1	44.0	57.8	74.3	71.6	82.6	93.6	96.4	96.4	90.9
87.5°	30.3	24.8	13.8	22.0	33.0	33.0	38.5	41.3	38.5	38.5	38.5
90°	22.1	15.3	8.5	15.3	22.1	23.9	37.5	55.8	64.9	57.6	43.2
92.5°	150.2	92.1	34.1	92.1	150.2	164.7	231.5	320.6	365.2	320.1	229.9
95°	294.4	188.1	82.0	188.1	294.4	320.9	569.8	901.7	1067.6	952.8	722.9
97.5°	329.1	235.4	141.7	235.4	329.1	352.5	767.6	1320.9	1597.6	1524.9	1379.7
100°	357.7	272.7	187.8	272.7	357.7	378.9	839.5	1453.5	1760.6	1765.9	1776.6
102.5°	385.5	306.3	227.0	306.3	385.5	405.3	872.5	1495.3	1806.8	1899.3	2084.4
105°	427.8	360.7	293.6	360.7	427.8	444.6	897.0	1500.1	1801.6	2009.1	2424.1
107.5°	487.0	424.4	361.8	424.4	487.0	502.7	901.5	1433.3	1699.2	1988.6	2567.4
110°	521.0	464.4	407.9	464.4	521.0	535.1	894.7	1374.2	1613.9	1937.4	2584.5



TEST NUMBER: P934756

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	560.9	507.0	453.2	507.0	560.9	574.4	895.0	1322.5	1536.2	1867.3	2529.6
115°	620.8	571.1	521.4	571.1	620.8	633.2	903.2	1263.2	1443.2	1762.2	2400.1
117.5°	679.1	634.0	588.9	634.0	679.1	690.4	920.0	1226.0	1379.1	1667.0	2242.8
120°	713.0	670.7	628.2	670.7	713.0	723.7	933.7	1213.6	1353.5	1616.5	2142.6
122.5°	752.2	709.4	666.5	709.4	752.2	763.0	953.3	1207.0	1333.9	1570.7	2044.5
125°	803.6	764.5	725.4	764.5	803.6	813.4	979.7	1201.6	1312.6	1513.8	1916.2
127.5°	852.2	812.7	773.2	812.7	852.2	862.0	1006.3	1198.5	1294.7	1467.5	1813.0
130°	883.7	841.3	798.9	841.3	883.7	894.4	1025.5	1200.3	1287.8	1441.6	1749.2
132.5°	910.2	867.8	825.3	867.8	910.2	920.8	1041.1	1201.6	1281.8	1419.5	1694.9
135°	941.9	903.2	864.6	903.2	941.9	951.6	1058.3	1200.5	1271.6	1386.9	1617.5
137.5°	981.3	942.9	904.7	942.9	981.3	990.8	1083.9	1207.9	1269.9	1367.4	1562.4
140°	1008.5	973.1	937.9	973.1	1008.5	1017.3	1099.5	1209.2	1263.9	1348.2	1516.6
142.5°	1028.7	996.2	963.5	996.2	1028.7	1036.9	1112.6	1213.5	1263.9	1337.9	1485.8
145°	1059.7	1031.2	1002.8	1031.2	1059.7	1066.8	1129.7	1213.5	1255.4	1315.9	1436.9
147.5°	1097.5	1069.8	1042.0	1069.8	1097.5	1104.4	1154.7	1221.8	1255.4	1303.0	1398.2
150°	1117.8	1092.7	1067.6	1092.7	1117.8	1124.0	1167.8	1226.2	1255.4	1295.6	1376.0
152.5°	1132.0	1113.1	1094.1	1113.1	1132.0	1136.7	1176.3	1229.1	1255.4	1289.7	1358.4
155°	1161.4	1147.4	1133.4	1147.4	1161.4	1164.9	1195.1	1235.3	1255.4	1282.8	1337.4
157.5°	1189.7	1176.0	1162.4	1176.0	1189.7	1193.1	1213.8	1241.5	1255.4	1276.6	1319.1
160°	1203.3	1192.6	1182.0	1192.6	1203.3	1205.9	1222.5	1244.4	1255.4	1273.6	1310.0
162.5°	1217.5	1209.6	1201.6	1209.6	1217.5	1219.5	1231.5	1247.4	1255.4	1270.7	1301.5
165°	1237.3	1230.2	1223.0	1230.2	1237.3	1239.2	1244.6	1251.8	1255.4	1266.4	1288.4
167.5°	1249.4	1246.0	1242.6	1246.0	1249.4	1250.3	1254.9	1260.9	1263.9	1271.1	1285.5
170°	1262.3	1258.8	1255.4	1258.8	1262.3	1263.1	1263.4	1263.8	1263.9	1271.1	1285.5
172.5°	1263.8	1262.9	1262.2	1262.9	1263.8	1263.9	1263.9	1263.9	1263.9	1269.6	1281.0
175°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1269.1	1265.7	1263.9	1267.5	1274.8
177.5°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1269.6	1267.0	1265.7	1268.5	1274.2
180°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6



TEST NUMBER: P934756
 CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2808.2	2800.0	2811.0	2780.7	2811.0	2800.0	2808.2	2827.5	2811.0	2822.0	2833.0
5°	2464.1	2450.3	2406.2	2370.4	2406.2	2450.3	2464.1	2521.9	2549.4	2599.0	2665.1
7.5°	2202.5	2191.5	2180.4	2158.4	2180.4	2191.5	2202.5	2219.0	2246.5	2290.6	2340.1
10°	2144.7	2147.4	2163.9	2161.2	2163.9	2147.4	2144.7	2139.1	2130.9	2139.1	2169.4
12.5°	2293.3	2318.1	2408.9	2403.4	2408.9	2318.1	2293.3	2183.2	2108.9	2095.1	2100.6
15°	2464.1	2472.4	2491.6	2494.4	2491.6	2472.4	2464.1	2420.0	2197.0	2100.6	2070.3
17.5°	2480.6	2483.4	2497.1	2497.1	2497.1	2483.4	2480.6	2461.3	2386.9	2257.5	2086.8
20°	2466.9	2472.4	2499.9	2505.4	2499.9	2472.4	2466.9	2442.1	2400.7	2353.9	2224.5
22.5°	2461.3	2472.4	2494.4	2491.6	2494.4	2472.4	2461.3	2422.7	2386.9	2353.9	2301.6
25°	2433.8	2433.8	2436.6	2439.3	2436.6	2433.8	2433.8	2403.4	2331.9	2323.6	2293.3
27.5°	2375.9	2381.4	2397.9	2395.2	2397.9	2381.4	2375.9	2364.9	2287.8	2279.6	2257.5
30°	2323.6	2318.1	2304.3	2293.3	2304.3	2318.1	2323.6	2307.1	2230.0	2208.0	2213.5
32.5°	2235.5	2221.7	2208.0	2199.7	2208.0	2221.7	2235.5	2230.0	2172.2	2141.9	2147.4
35°	2130.9	2133.6	2130.9	2122.6	2130.9	2133.6	2130.9	2136.4	2100.6	2073.1	2070.3
37.5°	2056.6	2062.1	2059.3	2048.3	2059.3	2062.1	2056.6	2051.0	2001.5	1993.2	1998.7
40°	1979.5	1982.2	1979.5	1971.2	1979.5	1982.2	1979.5	1968.5	1899.6	1902.4	1921.7
42.5°	1905.1	1902.4	1894.1	1888.6	1894.1	1902.4	1905.1	1888.6	1800.5	1792.3	1828.0
45°	1819.8	1822.5	1806.0	1797.8	1806.0	1822.5	1819.8	1808.8	1717.9	1695.9	1720.7
47.5°	1734.4	1734.4	1720.7	1712.4	1720.7	1734.4	1734.4	1720.7	1624.3	1602.3	1616.1
50°	1643.6	1640.8	1621.6	1618.8	1621.6	1640.8	1643.6	1635.3	1533.5	1514.2	1514.2
52.5°	1539.0	1539.0	1541.7	1547.2	1541.7	1539.0	1539.0	1541.7	1450.9	1431.6	1426.1
55°	1448.1	1450.9	1470.1	1475.7	1470.1	1450.9	1448.1	1448.1	1365.5	1346.3	1335.2
57.5°	1354.5	1354.5	1368.3	1368.3	1368.3	1354.5	1354.5	1349.0	1269.2	1252.7	1247.1
60°	1247.1	1252.7	1263.7	1260.9	1263.7	1252.7	1247.1	1241.6	1172.8	1161.8	1142.5
62.5°	1134.3	1139.8	1142.5	1137.0	1142.5	1139.8	1134.3	1117.8	1076.5	1068.2	1043.4
65°	1015.9	1021.4	1024.1	1018.6	1024.1	1021.4	1015.9	1007.6	977.3	963.6	941.6
67.5°	894.8	892.0	889.2	900.3	889.2	892.0	894.8	883.7	864.5	853.5	823.2
70°	770.9	770.9	768.1	773.6	768.1	770.9	770.9	762.6	751.6	743.3	715.8
72.5°	638.7	636.0	647.0	638.7	647.0	636.0	638.7	636.0	630.5	622.2	594.7
75°	509.3	514.8	509.3	517.6	509.3	514.8	509.3	512.1	509.3	503.8	484.5
77.5°	388.2	393.7	388.2	388.2	388.2	393.7	388.2	390.9	390.9	390.9	374.4
80°	275.3	272.6	272.6	269.8	272.6	272.6	275.3	275.3	278.1	272.6	267.0
82.5°	176.2	173.4	173.4	179.0	173.4	173.4	176.2	179.0	173.4	173.4	173.4
85°	96.4	99.1	93.6	93.6	93.6	99.1	96.4	90.9	96.4	96.4	93.6
87.5°	35.8	33.0	33.0	33.0	33.0	33.0	35.8	38.5	38.5	38.5	41.3
90°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	43.2	57.6	64.9	55.8
92.5°	162.2	155.7	129.9	104.2	129.9	155.7	162.2	229.9	320.1	365.2	320.6
95°	550.4	530.9	452.8	374.7	452.8	530.9	550.4	722.9	952.8	1067.6	901.7
97.5°	1270.7	1233.6	1084.9	936.2	1084.9	1233.6	1270.7	1379.7	1524.9	1597.6	1320.9
100°	1784.5	1740.2	1563.1	1386.0	1563.1	1740.2	1784.5	1776.6	1765.9	1760.6	1453.5
102.5°	2223.2	2185.3	2033.5	1881.8	2033.5	2185.3	2223.2	2084.4	1899.3	1806.8	1495.3
105°	2735.3	2714.9	2633.3	2551.7	2633.3	2714.9	2735.3	2424.1	2009.1	1801.6	1500.1
107.5°	3001.5	3006.5	3026.2	3045.9	3026.2	3006.5	3001.5	2567.4	1988.6	1699.2	1433.3
110°	3069.8	3091.0	3176.0	3260.9	3176.0	3091.0	3069.8	2584.5	1937.4	1613.9	1374.2



TEST NUMBER: P934756

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3026.3	3058.9	3189.4	3319.9	3189.4	3058.9	3026.3	2529.6	1867.3	1536.2	1322.5
115°	2878.6	2923.9	3104.7	3285.7	3104.7	2923.9	2878.6	2400.1	1762.2	1443.2	1263.2
117.5°	2674.6	2724.8	2925.4	3126.1	2925.4	2724.8	2674.6	2242.8	1667.0	1379.1	1226.0
120°	2537.2	2586.0	2781.0	2975.9	2781.0	2586.0	2537.2	2142.6	1616.5	1353.5	1213.6
122.5°	2399.9	2448.0	2640.2	2832.6	2640.2	2448.0	2399.9	2044.5	1570.7	1333.9	1207.0
125°	2218.1	2262.4	2439.5	2616.6	2439.5	2262.4	2218.1	1916.2	1513.8	1312.6	1201.6
127.5°	2072.2	2109.5	2259.0	2408.4	2259.0	2109.5	2072.2	1813.0	1467.5	1294.7	1198.5
130°	1979.9	2014.4	2152.5	2290.7	2152.5	2014.4	1979.9	1749.2	1441.6	1287.8	1200.3
132.5°	1901.5	1932.4	2056.0	2179.7	2056.0	1932.4	1901.5	1694.9	1419.5	1281.8	1201.6
135°	1790.5	1817.1	1923.8	2030.3	1923.8	1817.1	1790.5	1617.5	1386.9	1271.6	1200.5
137.5°	1708.6	1730.4	1817.6	1904.9	1817.6	1730.4	1708.6	1562.4	1367.4	1269.9	1207.9
140°	1642.9	1663.2	1744.8	1826.3	1744.8	1663.2	1642.9	1516.6	1348.2	1263.9	1209.2
142.5°	1596.8	1614.3	1684.5	1754.6	1684.5	1614.3	1596.8	1485.8	1337.9	1263.9	1213.5
145°	1527.7	1541.0	1594.0	1647.1	1594.0	1541.0	1527.7	1436.9	1315.9	1255.4	1213.5
147.5°	1469.6	1480.6	1524.6	1568.6	1524.6	1480.6	1469.6	1398.2	1303.0	1255.4	1221.8
150°	1436.3	1445.2	1480.9	1516.6	1480.9	1445.2	1436.3	1376.0	1295.6	1255.4	1226.2
152.5°	1409.9	1416.6	1443.5	1470.4	1443.5	1416.6	1409.9	1358.4	1289.7	1255.4	1229.1
155°	1378.3	1382.8	1400.6	1418.4	1400.6	1382.8	1378.3	1337.4	1282.8	1255.4	1235.3
157.5°	1350.9	1354.1	1366.6	1379.1	1366.6	1354.1	1350.9	1319.1	1276.6	1255.4	1241.5
160°	1337.4	1339.2	1346.4	1353.5	1346.4	1339.2	1337.4	1310.0	1273.6	1255.4	1244.4
162.5°	1324.5	1326.3	1333.0	1339.9	1333.0	1326.3	1324.5	1301.5	1270.7	1255.4	1247.4
165°	1304.9	1306.7	1313.9	1321.1	1313.9	1306.7	1304.9	1288.4	1266.4	1255.4	1251.8
167.5°	1296.3	1297.1	1300.2	1303.2	1300.2	1297.1	1296.3	1285.5	1271.1	1263.9	1260.9
170°	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1296.3	1285.5	1271.1	1263.9	1263.8
172.5°	1289.5	1288.9	1286.2	1283.6	1286.2	1288.9	1289.5	1281.0	1269.6	1263.9	1263.9
175°	1280.2	1280.2	1280.2	1280.2	1280.2	1280.2	1280.2	1274.8	1267.5	1263.9	1265.7
177.5°	1278.4	1277.7	1274.7	1271.6	1274.7	1277.7	1278.4	1274.2	1268.5	1265.7	1267.0
180°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6



TEST NUMBER: P934756

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2874.3	2888.1	2896.3	2907.3	2934.9
5°	2764.2	2816.5	2833.0	2874.3	2923.9
7.5°	2521.9	2681.6	2725.6	2824.8	2901.8
10°	2287.8	2447.6	2524.7	2758.7	2874.3
12.5°	2169.4	2263.0	2315.3	2643.1	2835.8
15°	2095.1	2161.2	2199.7	2488.9	2791.7
17.5°	2037.3	2084.1	2111.6	2337.4	2731.2
20°	2001.5	2023.5	2048.3	2227.2	2662.3
22.5°	1976.7	1962.9	1982.2	2150.2	2568.7
25°	1960.2	1907.9	1929.9	2089.6	2458.6
27.5°	1974.0	1858.3	1866.6	2034.5	2342.9
30°	1976.7	1797.8	1800.5	1976.7	2213.5
32.5°	1957.4	1734.4	1737.2	1905.1	2067.6
35°	1910.6	1660.1	1657.4	1822.5	1869.3
37.5°	1847.3	1580.3	1580.3	1731.7	1651.9
40°	1770.2	1500.4	1508.7	1613.3	1459.1
42.5°	1676.6	1415.1	1426.1	1456.4	1316.0
45°	1574.8	1332.5	1340.8	1230.6	1205.9
47.5°	1461.9	1247.1	1249.9	1021.4	1170.1
50°	1327.0	1159.0	1148.0	875.5	1167.3
52.5°	1208.6	1062.7	1029.7	792.9	1059.9
55°	1093.0	960.8	889.2	729.6	982.9
57.5°	991.1	828.7	759.9	655.2	966.3
60°	897.5	699.3	647.0	575.4	886.5
62.5°	820.4	602.9	591.9	520.3	803.9
65°	737.8	536.9	534.1	473.5	682.8
67.5°	658.0	492.8	490.0	429.5	520.3
70°	572.6	446.0	440.5	382.7	385.4
72.5°	484.5	393.7	388.2	344.1	319.4
75°	396.4	333.1	330.4	300.1	258.8
77.5°	311.1	264.3	269.8	242.3	190.0
80°	223.0	192.7	198.2	173.4	143.2
82.5°	148.7	126.6	132.1	110.1	96.4
85°	82.6	71.6	74.3	57.8	44.0
87.5°	38.5	33.0	33.0	22.0	13.8
90°	37.5	23.9	22.1	15.3	8.5
92.5°	231.5	164.7	150.2	92.1	34.1
95°	569.8	320.9	294.4	188.1	82.0
97.5°	767.6	352.5	329.1	235.4	141.7
100°	839.5	378.9	357.7	272.7	187.8
102.5°	872.5	405.3	385.5	306.3	227.0
105°	897.0	444.6	427.8	360.7	293.6
107.5°	901.5	502.7	487.0	424.4	361.8
110°	894.7	535.1	521.0	464.4	407.9



TEST NUMBER: P934756

CATALOG NUMBER: SQ4-FA-075U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	895.0	574.4	560.9	507.0	453.2
115°	903.2	633.2	620.8	571.1	521.4
117.5°	920.0	690.4	679.1	634.0	588.9
120°	933.7	723.7	713.0	670.7	628.2
122.5°	953.3	763.0	752.2	709.4	666.5
125°	979.7	813.4	803.6	764.5	725.4
127.5°	1006.3	862.0	852.2	812.7	773.2
130°	1025.5	894.4	883.7	841.3	798.9
132.5°	1041.1	920.8	910.2	867.8	825.3
135°	1058.3	951.6	941.9	903.2	864.6
137.5°	1083.9	990.8	981.3	942.9	904.7
140°	1099.5	1017.3	1008.5	973.1	937.9
142.5°	1112.6	1036.9	1028.7	996.2	963.5
145°	1129.7	1066.8	1059.7	1031.2	1002.8
147.5°	1154.7	1104.4	1097.5	1069.8	1042.0
150°	1167.8	1124.0	1117.8	1092.7	1067.6
152.5°	1176.3	1136.7	1132.0	1113.1	1094.1
155°	1195.1	1164.9	1161.4	1147.4	1133.4
157.5°	1213.8	1193.1	1189.7	1176.0	1162.4
160°	1222.5	1205.9	1203.3	1192.6	1182.0
162.5°	1231.5	1219.5	1217.5	1209.6	1201.6
165°	1244.6	1239.2	1237.3	1230.2	1223.0
167.5°	1254.9	1250.3	1249.4	1246.0	1242.6
170°	1263.4	1263.1	1262.3	1258.8	1255.4
172.5°	1263.9	1263.9	1263.8	1262.9	1262.2
175°	1269.1	1271.6	1271.6	1271.6	1271.6
177.5°	1269.6	1271.6	1271.6	1271.6	1271.6
180°	1271.6	1271.6	1271.6	1271.6	1271.6



TEST NUMBER: P934756
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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	12.24	13.08	13.22	14.07	15.37	15.09	15.93	16.07	16.92	18.22
	3H	12.72	13.47	13.70	14.47	15.79	16.44	17.20	17.43	18.19	19.52
	4H	12.91	13.62	13.91	14.62	15.95	16.89	17.60	17.89	18.61	19.94
	6H	13.02	13.68	14.03	14.69	16.03	17.18	17.84	18.19	18.84	20.19
	8H	13.02	13.65	14.04	14.67	16.01	17.26	17.88	18.27	18.90	20.25
	12H	12.99	13.59	14.02	14.61	15.97	17.30	17.89	18.32	18.91	20.27
4H	2H	13.27	13.99	14.28	14.99	16.32	15.50	16.21	16.50	17.21	18.54
	3H	14.30	14.90	15.32	15.93	17.27	17.01	17.60	18.02	18.63	19.98
	4H	14.58	15.12	15.60	16.14	17.51	17.54	18.08	18.56	19.11	20.47
	6H	14.70	15.17	15.73	16.21	17.58	17.91	18.38	18.94	19.42	20.79
	8H	14.70	15.14	15.74	16.18	17.56	18.02	18.46	19.05	19.49	20.87
	12H	14.67	15.07	15.72	16.12	17.51	18.08	18.47	19.13	19.53	20.91
8H	4H	15.03	15.47	16.07	16.51	17.89	17.66	18.10	18.70	19.14	20.52
	6H	15.29	15.65	16.35	16.73	18.11	18.10	18.46	19.16	19.54	20.92
	8H	15.33	15.65	16.40	16.72	18.11	18.26	18.58	19.32	19.64	21.04
	12H	15.32	15.60	16.39	16.66	18.10	18.36	18.64	19.43	19.70	21.14
12H	4H	15.04	15.43	16.09	16.49	17.87	17.62	18.02	18.68	19.07	20.46
	6H	15.35	15.67	16.42	16.74	18.13	18.10	18.42	19.17	19.48	20.88
	8H	15.42	15.70	16.49	16.76	18.20	18.26	18.54	19.33	19.60	21.04