

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: P935556

Luminaire Tested: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935556
REPORT IS A COMBINATION OF REPORTS P933757 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-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: -

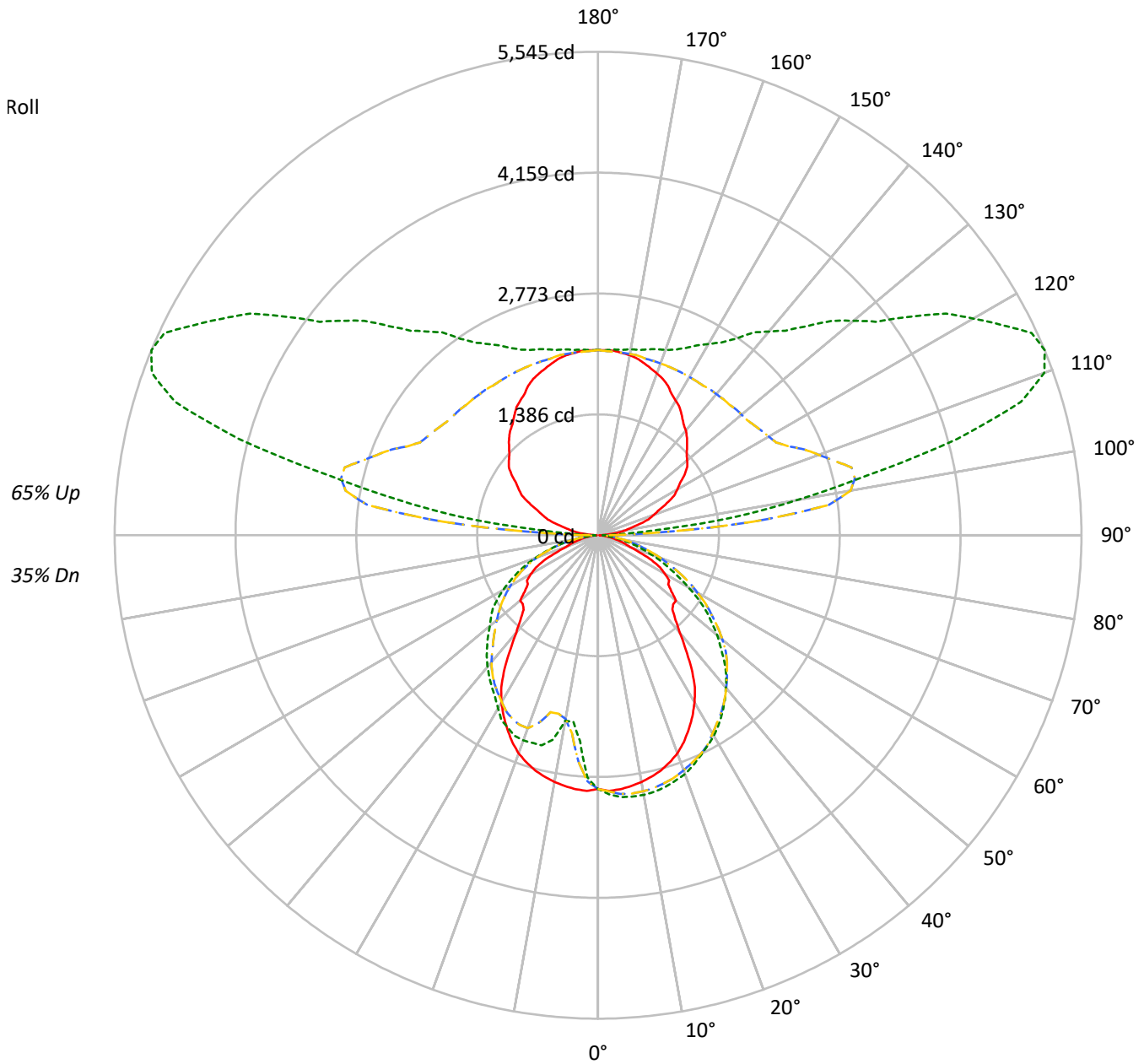
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21321.6 lumens
Efficiency: N/A
Efficacy: 127.8 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: Semi-Indirect

Input Watts (W): 166.8
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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

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	1.2
10°-20°	745.8	3.5
20°-30°	1152.9	5.4
30°-40°	1376.3	6.5
40°-50°	1384.4	6.5
50°-60°	1204.6	5.6
60°-70°	854.1	4.0
70°-80°	451.9	2.1
80°-90°	120.6	0.6
90°-100°	1035.3	4.9
100°-110°	2721.8	12.8
110°-120°	2822.2	13.2
120°-130°	2263.8	10.6
130°-140°	1776.3	8.3
140°-150°	1363.4	6.4
150°-160°	981.9	4.6
160°-170°	600.7	2.8
170°-180°	203.0	1.0
0°-30°	2161.4	10.1
0°-40°	3537.8	16.6
0°-60°	6126.8	28.7
0°-90°	7553.3	35.4
90°-120°	6579.4	30.9
90°-150°	11982.8	56.2
90°-180°	13768.0	64.6
0°-180°	21321.6	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°	14	54	14	54	14	14
95°	137	626	137	626	137	152
105°	490	4262	490	4262	490	520
115°	871	5488	871	5488	871	860
125°	1212	4370	1212	4370	1212	1076
135°	1444	3391	1444	3391	1444	1117
145°	1675	2751	1675	2751	1675	1049
155°	1893	2369	1893	2369	1893	870
165°	2043	2207	2043	2207	2043	576
175°	2124	2138	2124	2138	2124	202
180°	2124	2124	2124	2124	2124	



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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°	14.2	25.6	37.1	39.9	62.7	93.1	108.3	96.3	72.2	54.1	54.1
92.5°	57.0	153.9	250.9	275.1	386.8	535.7	610.1	534.6	383.9	270.8	260.1
95°	136.8	314.2	491.6	535.9	951.6	1506.0	1783.2	1591.2	1207.3	919.4	886.8
97.5°	236.6	393.0	549.6	588.7	1281.9	2206.2	2668.4	2547.1	2304.4	2122.4	2060.3
100°	313.6	455.5	597.4	632.9	1402.1	2427.9	2940.7	2949.6	2967.3	2980.6	2906.6
102.5°	379.2	511.6	643.9	677.1	1457.3	2497.5	3017.7	3172.2	3481.4	3713.3	3649.9
105°	490.3	602.5	714.6	742.7	1498.1	2505.4	3009.0	3355.6	4048.7	4568.5	4534.4
107.5°	604.4	708.9	813.4	839.6	1505.8	2394.0	2838.1	3321.4	4288.1	5013.2	5021.4
110°	681.4	775.7	870.2	893.7	1494.3	2295.1	2695.5	3235.9	4316.7	5127.3	5162.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	756.9	846.8	936.8	959.3	1494.7	2208.8	2565.8	3118.9	4225.0	5054.6	5109.1
115°	870.9	953.9	1036.9	1057.6	1508.6	2109.8	2410.4	2943.2	4008.8	4808.0	4883.5
117.5°	983.6	1058.9	1134.4	1153.2	1536.6	2047.8	2303.5	2784.4	3746.0	4467.2	4551.0
120°	1049.1	1120.0	1191.1	1208.8	1559.4	2027.0	2260.7	2700.1	3578.8	4237.8	4319.2
122.5°	1113.3	1184.8	1256.4	1274.3	1592.2	2016.1	2228.0	2623.6	3414.8	4008.3	4088.6
125°	1211.6	1276.9	1342.1	1358.5	1636.4	2007.0	2192.3	2528.3	3200.6	3704.6	3778.6
127.5°	1291.5	1357.4	1423.3	1439.7	1680.6	2001.8	2162.4	2450.9	3028.0	3460.9	3523.3
130°	1334.2	1405.2	1476.1	1493.8	1712.9	2005.0	2151.0	2407.8	2921.7	3307.0	3364.6
132.5°	1378.4	1449.3	1520.3	1538.1	1739.0	2007.0	2141.0	2371.0	2830.9	3175.9	3227.5
135°	1444.0	1508.6	1573.2	1589.4	1767.6	2005.2	2123.9	2316.5	2701.7	2990.6	3035.1
137.5°	1511.0	1574.9	1638.9	1654.9	1810.2	2017.5	2121.1	2283.9	2609.5	2853.7	2890.1
140°	1566.5	1625.4	1684.3	1699.1	1836.4	2019.5	2111.1	2251.7	2532.9	2743.9	2778.0
142.5°	1609.3	1663.8	1718.3	1731.9	1858.2	2026.8	2111.1	2234.6	2481.7	2667.0	2696.3
145°	1674.9	1722.4	1770.0	1781.8	1886.8	2026.8	2096.8	2197.9	2400.0	2551.5	2573.7
147.5°	1740.4	1786.7	1832.9	1844.5	1928.6	2040.8	2096.8	2176.3	2335.4	2454.6	2472.9
150°	1783.2	1825.0	1866.9	1877.3	1950.5	2048.0	2096.8	2164.0	2298.3	2398.9	2413.8
152.5°	1827.4	1859.1	1890.8	1898.7	1964.8	2052.8	2096.8	2154.2	2268.8	2354.8	2366.1
155°	1892.9	1916.4	1939.8	1945.7	1996.1	2063.3	2096.8	2142.5	2233.7	2302.0	2309.5
157.5°	1941.5	1964.2	1987.1	1992.8	2027.5	2073.7	2096.8	2132.3	2203.2	2256.4	2261.7
160°	1974.2	1991.9	2009.8	2014.2	2041.7	2078.5	2096.8	2127.2	2188.1	2233.7	2236.7
162.5°	2007.0	2020.3	2033.6	2036.9	2056.9	2083.5	2096.8	2122.5	2173.8	2212.3	2215.1
165°	2042.6	2054.6	2066.6	2069.7	2078.8	2090.8	2096.8	2115.2	2151.9	2179.4	2182.5
167.5°	2075.5	2081.1	2086.8	2088.2	2095.8	2106.0	2111.1	2123.1	2147.1	2165.2	2166.5
170°	2096.8	2102.5	2108.2	2109.6	2110.1	2110.7	2111.1	2123.1	2147.1	2165.2	2165.2
172.5°	2108.2	2109.5	2110.8	2111.1	2111.1	2111.1	2111.1	2120.6	2139.6	2153.8	2152.7
175°	2123.9	2123.9	2123.9	2123.9	2119.6	2113.9	2111.1	2117.1	2129.1	2138.1	2138.1
177.5°	2123.9	2123.9	2123.9	2123.9	2120.6	2116.1	2113.9	2118.7	2128.1	2135.3	2134.0
180°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9



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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°	54.1	54.1	54.1	54.1	54.1	72.2	96.3	108.3	93.1	62.7	39.9
92.5°	216.9	173.9	216.9	260.1	270.8	383.9	534.6	610.1	535.7	386.8	275.1
95°	756.3	625.8	756.3	886.8	919.4	1207.3	1591.2	1783.2	1506.0	951.6	535.9
97.5°	1812.0	1563.7	1812.0	2060.3	2122.4	2304.4	2547.1	2668.4	2206.2	1281.9	588.7
100°	2610.8	2314.9	2610.8	2906.6	2980.6	2967.3	2949.6	2940.7	2427.9	1402.1	632.9
102.5°	3396.5	3143.1	3396.5	3649.9	3713.3	3481.4	3172.2	3017.7	2497.5	1457.3	677.1
105°	4398.2	4262.1	4398.2	4534.4	4568.5	4048.7	3355.6	3009.0	2505.4	1498.1	742.7
107.5°	5054.4	5087.3	5054.4	5021.4	5013.2	4288.1	3321.4	2838.1	2394.0	1505.8	839.6
110°	5304.6	5446.5	5304.6	5162.8	5127.3	4316.7	3235.9	2695.5	2295.1	1494.3	893.7



TEST NUMBER: P935556

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5326.9	5544.9	5326.9	5109.1	5054.6	4225.0	3118.9	2565.8	2208.8	1494.7	959.3
115°	5185.7	5487.9	5185.7	4883.5	4808.0	4008.8	2943.2	2410.4	2109.8	1508.6	1057.6
117.5°	4886.2	5221.3	4886.2	4551.0	4467.2	3746.0	2784.4	2303.5	2047.8	1536.6	1153.2
120°	4644.8	4970.4	4644.8	4319.2	4237.8	3578.8	2700.1	2260.7	2027.0	1559.4	1208.8
122.5°	4409.8	4731.0	4409.8	4088.6	4008.3	3414.8	2623.6	2228.0	2016.1	1592.2	1274.3
125°	4074.5	4370.3	4074.5	3778.6	3704.6	3200.6	2528.3	2192.3	2007.0	1636.4	1358.5
127.5°	3772.9	4022.5	3772.9	3523.3	3460.9	3028.0	2450.9	2162.4	2001.8	1680.6	1439.7
130°	3595.3	3825.9	3595.3	3364.6	3307.0	2921.7	2407.8	2151.0	2005.0	1712.9	1493.8
132.5°	3434.0	3640.5	3434.0	3227.5	3175.9	2830.9	2371.0	2141.0	2007.0	1739.0	1538.1
135°	3213.0	3391.1	3213.0	3035.1	2990.6	2701.7	2316.5	2123.9	2005.2	1767.6	1589.4
137.5°	3035.8	3181.6	3035.8	2890.1	2853.7	2609.5	2283.9	2121.1	2017.5	1810.2	1654.9
140°	2914.2	3050.4	2914.2	2778.0	2743.9	2532.9	2251.7	2111.1	2019.5	1836.4	1699.1
142.5°	2813.5	2930.7	2813.5	2696.3	2667.0	2481.7	2234.6	2111.1	2026.8	1858.2	1731.9
145°	2662.3	2751.1	2662.3	2573.7	2551.5	2400.0	2197.9	2096.8	2026.8	1886.8	1781.8
147.5°	2546.4	2619.9	2546.4	2472.9	2454.6	2335.4	2176.3	2096.8	2040.8	1928.6	1844.5
150°	2473.5	2533.0	2473.5	2413.8	2398.9	2298.3	2164.0	2096.8	2048.0	1950.5	1877.3
152.5°	2411.1	2456.0	2411.1	2366.1	2354.8	2268.8	2154.2	2096.8	2052.8	1964.8	1898.7
155°	2339.3	2369.0	2339.3	2309.5	2302.0	2233.7	2142.5	2096.8	2063.3	1996.1	1945.7
157.5°	2282.6	2303.5	2282.6	2261.7	2256.4	2203.2	2132.3	2096.8	2073.7	2027.5	1992.8
160°	2248.7	2260.7	2248.7	2236.7	2233.7	2188.1	2127.2	2096.8	2078.5	2041.7	2014.2
162.5°	2226.5	2237.9	2226.5	2215.1	2212.3	2173.8	2122.5	2096.8	2083.5	2056.9	2036.9
165°	2194.5	2206.6	2194.5	2182.5	2179.4	2151.9	2115.2	2096.8	2090.8	2078.8	2069.7
167.5°	2171.5	2176.6	2171.5	2166.5	2165.2	2147.1	2123.1	2111.1	2106.0	2095.8	2088.2
170°	2165.2	2165.2	2165.2	2165.2	2165.2	2147.1	2123.1	2111.1	2110.7	2110.1	2109.6
172.5°	2148.2	2143.8	2148.2	2152.7	2153.8	2139.6	2120.6	2111.1	2111.1	2111.1	2111.1
175°	2138.1	2138.1	2138.1	2138.1	2138.1	2129.1	2117.1	2111.1	2113.9	2119.6	2123.9
177.5°	2129.0	2123.9	2129.0	2134.0	2135.3	2128.1	2118.7	2113.9	2116.1	2120.6	2123.9
180°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9



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 CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-12-5000K

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°	37.1	25.6	14.2	25.6	37.1	39.9	62.7	93.1	108.3	96.3	72.2
92.5°	250.9	153.9	57.0	153.9	250.9	275.1	386.8	535.7	610.1	534.6	383.9
95°	491.6	314.2	136.8	314.2	491.6	535.9	951.6	1506.0	1783.2	1591.2	1207.3
97.5°	549.6	393.0	236.6	393.0	549.6	588.7	1281.9	2206.2	2668.4	2547.1	2304.4
100°	597.4	455.5	313.6	455.5	597.4	632.9	1402.1	2427.9	2940.7	2949.6	2967.3
102.5°	643.9	511.6	379.2	511.6	643.9	677.1	1457.3	2497.5	3017.7	3172.2	3481.4
105°	714.6	602.5	490.3	602.5	714.6	742.7	1498.1	2505.4	3009.0	3355.6	4048.7
107.5°	813.4	708.9	604.4	708.9	813.4	839.6	1505.8	2394.0	2838.1	3321.4	4288.1
110°	870.2	775.7	681.4	775.7	870.2	893.7	1494.3	2295.1	2695.5	3235.9	4316.7



TEST NUMBER: P935556

CATALOG NUMBER: SQ4-FA-125U-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°	936.8	846.8	756.9	846.8	936.8	959.3	1494.7	2208.8	2565.8	3118.9	4225.0
115°	1036.9	953.9	870.9	953.9	1036.9	1057.6	1508.6	2109.8	2410.4	2943.2	4008.8
117.5°	1134.4	1058.9	983.6	1058.9	1134.4	1153.2	1536.6	2047.8	2303.5	2784.4	3746.0
120°	1191.1	1120.0	1049.1	1120.0	1191.1	1208.8	1559.4	2027.0	2260.7	2700.1	3578.8
122.5°	1256.4	1184.8	1113.3	1184.8	1256.4	1274.3	1592.2	2016.1	2228.0	2623.6	3414.8
125°	1342.1	1276.9	1211.6	1276.9	1342.1	1358.5	1636.4	2007.0	2192.3	2528.3	3200.6
127.5°	1423.3	1357.4	1291.5	1357.4	1423.3	1439.7	1680.6	2001.8	2162.4	2450.9	3028.0
130°	1476.1	1405.2	1334.2	1405.2	1476.1	1493.8	1712.9	2005.0	2151.0	2407.8	2921.7
132.5°	1520.3	1449.3	1378.4	1449.3	1520.3	1538.1	1739.0	2007.0	2141.0	2371.0	2830.9
135°	1573.2	1508.6	1444.0	1508.6	1573.2	1589.4	1767.6	2005.2	2123.9	2316.5	2701.7
137.5°	1638.9	1574.9	1511.0	1574.9	1638.9	1654.9	1810.2	2017.5	2121.1	2283.9	2609.5
140°	1684.3	1625.4	1566.5	1625.4	1684.3	1699.1	1836.4	2019.5	2111.1	2251.7	2532.9
142.5°	1718.3	1663.8	1609.3	1663.8	1718.3	1731.9	1858.2	2026.8	2111.1	2234.6	2481.7
145°	1770.0	1722.4	1674.9	1722.4	1770.0	1781.8	1886.8	2026.8	2096.8	2197.9	2400.0
147.5°	1832.9	1786.7	1740.4	1786.7	1832.9	1844.5	1928.6	2040.8	2096.8	2176.3	2335.4
150°	1866.9	1825.0	1783.2	1825.0	1866.9	1877.3	1950.5	2048.0	2096.8	2164.0	2298.3
152.5°	1890.8	1859.1	1827.4	1859.1	1890.8	1898.7	1964.8	2052.8	2096.8	2154.2	2268.8
155°	1939.8	1916.4	1892.9	1916.4	1939.8	1945.7	1996.1	2063.3	2096.8	2142.5	2233.7
157.5°	1987.1	1964.2	1941.5	1964.2	1987.1	1992.8	2027.5	2073.7	2096.8	2132.3	2203.2
160°	2009.8	1991.9	1974.2	1991.9	2009.8	2014.2	2041.7	2078.5	2096.8	2127.2	2188.1
162.5°	2033.6	2020.3	2007.0	2020.3	2033.6	2036.9	2056.9	2083.5	2096.8	2122.5	2173.8
165°	2066.6	2054.6	2042.6	2054.6	2066.6	2069.7	2078.8	2090.8	2096.8	2115.2	2151.9
167.5°	2086.8	2081.1	2075.5	2081.1	2086.8	2088.2	2095.8	2106.0	2111.1	2123.1	2147.1
170°	2108.2	2102.5	2096.8	2102.5	2108.2	2109.6	2110.1	2110.7	2111.1	2123.1	2147.1
172.5°	2110.8	2109.5	2108.2	2109.5	2110.8	2111.1	2111.1	2111.1	2111.1	2120.6	2139.6
175°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2119.6	2113.9	2111.1	2117.1	2129.1
177.5°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2120.6	2116.1	2113.9	2118.7	2128.1
180°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9



TEST NUMBER: P935556
 CATALOG NUMBER: SQ4-FA-125U-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°	54.1	54.1	54.1	54.1	54.1	54.1	54.1	72.2	96.3	108.3	93.1
92.5°	270.8	260.1	216.9	173.9	216.9	260.1	270.8	383.9	534.6	610.1	535.7
95°	919.4	886.8	756.3	625.8	756.3	886.8	919.4	1207.3	1591.2	1783.2	1506.0
97.5°	2122.4	2060.3	1812.0	1563.7	1812.0	2060.3	2122.4	2304.4	2547.1	2668.4	2206.2
100°	2980.6	2906.6	2610.8	2314.9	2610.8	2906.6	2980.6	2967.3	2949.6	2940.7	2427.9
102.5°	3713.3	3649.9	3396.5	3143.1	3396.5	3649.9	3713.3	3481.4	3172.2	3017.7	2497.5
105°	4568.5	4534.4	4398.2	4262.1	4398.2	4534.4	4568.5	4048.7	3355.6	3009.0	2505.4
107.5°	5013.2	5021.4	5054.4	5087.3	5054.4	5021.4	5013.2	4288.1	3321.4	2838.1	2394.0
110°	5127.3	5162.8	5304.6	5446.5	5304.6	5162.8	5127.3	4316.7	3235.9	2695.5	2295.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5054.6	5109.1	5326.9	5544.9	5326.9	5109.1	5054.6	4225.0	3118.9	2565.8	2208.8
115°	4808.0	4883.5	5185.7	5487.9	5185.7	4883.5	4808.0	4008.8	2943.2	2410.4	2109.8
117.5°	4467.2	4551.0	4886.2	5221.3	4886.2	4551.0	4467.2	3746.0	2784.4	2303.5	2047.8
120°	4237.8	4319.2	4644.8	4970.4	4644.8	4319.2	4237.8	3578.8	2700.1	2260.7	2027.0
122.5°	4008.3	4088.6	4409.8	4731.0	4409.8	4088.6	4008.3	3414.8	2623.6	2228.0	2016.1
125°	3704.6	3778.6	4074.5	4370.3	4074.5	3778.6	3704.6	3200.6	2528.3	2192.3	2007.0
127.5°	3460.9	3523.3	3772.9	4022.5	3772.9	3523.3	3460.9	3028.0	2450.9	2162.4	2001.8
130°	3307.0	3364.6	3595.3	3825.9	3595.3	3364.6	3307.0	2921.7	2407.8	2151.0	2005.0
132.5°	3175.9	3227.5	3434.0	3640.5	3434.0	3227.5	3175.9	2830.9	2371.0	2141.0	2007.0
135°	2990.6	3035.1	3213.0	3391.1	3213.0	3035.1	2990.6	2701.7	2316.5	2123.9	2005.2
137.5°	2853.7	2890.1	3035.8	3181.6	3035.8	2890.1	2853.7	2609.5	2283.9	2121.1	2017.5
140°	2743.9	2778.0	2914.2	3050.4	2914.2	2778.0	2743.9	2532.9	2251.7	2111.1	2019.5
142.5°	2667.0	2696.3	2813.5	2930.7	2813.5	2696.3	2667.0	2481.7	2234.6	2111.1	2026.8
145°	2551.5	2573.7	2662.3	2751.1	2662.3	2573.7	2551.5	2400.0	2197.9	2096.8	2026.8
147.5°	2454.6	2472.9	2546.4	2619.9	2546.4	2472.9	2454.6	2335.4	2176.3	2096.8	2040.8
150°	2398.9	2413.8	2473.5	2533.0	2473.5	2413.8	2398.9	2298.3	2164.0	2096.8	2048.0
152.5°	2354.8	2366.1	2411.1	2456.0	2411.1	2366.1	2354.8	2268.8	2154.2	2096.8	2052.8
155°	2302.0	2309.5	2339.3	2369.0	2339.3	2309.5	2302.0	2233.7	2142.5	2096.8	2063.3
157.5°	2256.4	2261.7	2282.6	2303.5	2282.6	2261.7	2256.4	2203.2	2132.3	2096.8	2073.7
160°	2233.7	2236.7	2248.7	2260.7	2248.7	2236.7	2233.7	2188.1	2127.2	2096.8	2078.5
162.5°	2212.3	2215.1	2226.5	2237.9	2226.5	2215.1	2212.3	2173.8	2122.5	2096.8	2083.5
165°	2179.4	2182.5	2194.5	2206.6	2194.5	2182.5	2179.4	2151.9	2115.2	2096.8	2090.8
167.5°	2165.2	2166.5	2171.5	2176.6	2171.5	2166.5	2165.2	2147.1	2123.1	2111.1	2106.0
170°	2165.2	2165.2	2165.2	2165.2	2165.2	2165.2	2165.2	2147.1	2123.1	2111.1	2110.7
172.5°	2153.8	2152.7	2148.2	2143.8	2148.2	2152.7	2153.8	2139.6	2120.6	2111.1	2111.1
175°	2138.1	2138.1	2138.1	2138.1	2138.1	2138.1	2138.1	2129.1	2117.1	2111.1	2113.9
177.5°	2135.3	2134.0	2129.0	2123.9	2129.0	2134.0	2135.3	2128.1	2118.7	2113.9	2116.1
180°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9



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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°	62.7	39.9	37.1	25.6	14.2
92.5°	386.8	275.1	250.9	153.9	57.0
95°	951.6	535.9	491.6	314.2	136.8
97.5°	1281.9	588.7	549.6	393.0	236.6
100°	1402.1	632.9	597.4	455.5	313.6
102.5°	1457.3	677.1	643.9	511.6	379.2
105°	1498.1	742.7	714.6	602.5	490.3
107.5°	1505.8	839.6	813.4	708.9	604.4
110°	1494.3	893.7	870.2	775.7	681.4



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 CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1494.7	959.3	936.8	846.8	756.9
115°	1508.6	1057.6	1036.9	953.9	870.9
117.5°	1536.6	1153.2	1134.4	1058.9	983.6
120°	1559.4	1208.8	1191.1	1120.0	1049.1
122.5°	1592.2	1274.3	1256.4	1184.8	1113.3
125°	1636.4	1358.5	1342.1	1276.9	1211.6
127.5°	1680.6	1439.7	1423.3	1357.4	1291.5
130°	1712.9	1493.8	1476.1	1405.2	1334.2
132.5°	1739.0	1538.1	1520.3	1449.3	1378.4
135°	1767.6	1589.4	1573.2	1508.6	1444.0
137.5°	1810.2	1654.9	1638.9	1574.9	1511.0
140°	1836.4	1699.1	1684.3	1625.4	1566.5
142.5°	1858.2	1731.9	1718.3	1663.8	1609.3
145°	1886.8	1781.8	1770.0	1722.4	1674.9
147.5°	1928.6	1844.5	1832.9	1786.7	1740.4
150°	1950.5	1877.3	1866.9	1825.0	1783.2
152.5°	1964.8	1898.7	1890.8	1859.1	1827.4
155°	1996.1	1945.7	1939.8	1916.4	1892.9
157.5°	2027.5	1992.8	1987.1	1964.2	1941.5
160°	2041.7	2014.2	2009.8	1991.9	1974.2
162.5°	2056.9	2036.9	2033.6	2020.3	2007.0
165°	2078.8	2069.7	2066.6	2054.6	2042.6
167.5°	2095.8	2088.2	2086.8	2081.1	2075.5
170°	2110.1	2109.6	2108.2	2102.5	2096.8
172.5°	2111.1	2111.1	2110.8	2109.5	2108.2
175°	2119.6	2123.9	2123.9	2123.9	2123.9
177.5°	2120.6	2123.9	2123.9	2123.9	2123.9
180°	2123.9	2123.9	2123.9	2123.9	2123.9



TEST NUMBER: P935556
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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	10.92	11.67	12.00	12.74	14.21	13.78	14.52	14.85	15.59	17.06
	3H	11.39	12.06	12.47	13.14	14.62	15.12	15.78	16.20	16.87	18.35
	4H	11.58	12.21	12.67	13.29	14.78	15.56	16.19	16.65	17.28	18.77
	6H	11.69	12.27	12.79	13.36	14.86	15.85	16.43	16.95	17.51	19.02
	8H	11.69	12.24	12.79	13.34	14.84	15.92	16.47	17.03	17.58	19.07
	12H	11.65	12.18	12.77	13.28	14.80	15.96	16.48	17.07	17.58	19.10
4H	2H	11.95	12.58	13.05	13.66	15.15	14.17	14.80	15.27	15.89	17.37
	3H	12.96	13.49	14.07	14.60	16.10	15.67	16.20	16.78	17.31	18.81
	4H	13.23	13.72	14.35	14.82	16.34	16.20	16.68	17.31	17.78	19.30
	6H	13.35	13.77	14.47	14.89	16.41	16.56	16.98	17.68	18.10	19.62
	8H	13.36	13.74	14.47	14.86	16.39	16.67	17.06	17.79	18.17	19.70
	12H	13.32	13.67	14.45	14.80	16.33	16.72	17.07	17.86	18.20	19.74
8H	4H	13.68	14.07	14.80	15.18	16.72	16.31	16.70	17.43	17.81	19.35
	6H	13.94	14.26	15.08	15.42	16.94	16.75	17.07	17.89	18.23	19.75
	8H	13.98	14.26	15.13	15.40	16.95	16.90	17.18	18.05	18.32	19.87
	12H	13.96	14.20	15.11	15.34	16.92	17.00	17.25	18.15	18.38	19.97
12H	4H	13.68	14.03	14.82	15.16	16.70	16.27	16.62	17.41	17.75	19.29
	6H	14.00	14.28	15.15	15.42	16.97	16.75	17.02	17.89	18.16	19.71
	8H	14.06	14.31	15.21	15.44	17.03	16.90	17.15	18.05	18.29	19.87