

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: P935978

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935978
REPORT IS A COMBINATION OF REPORTS P933773 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

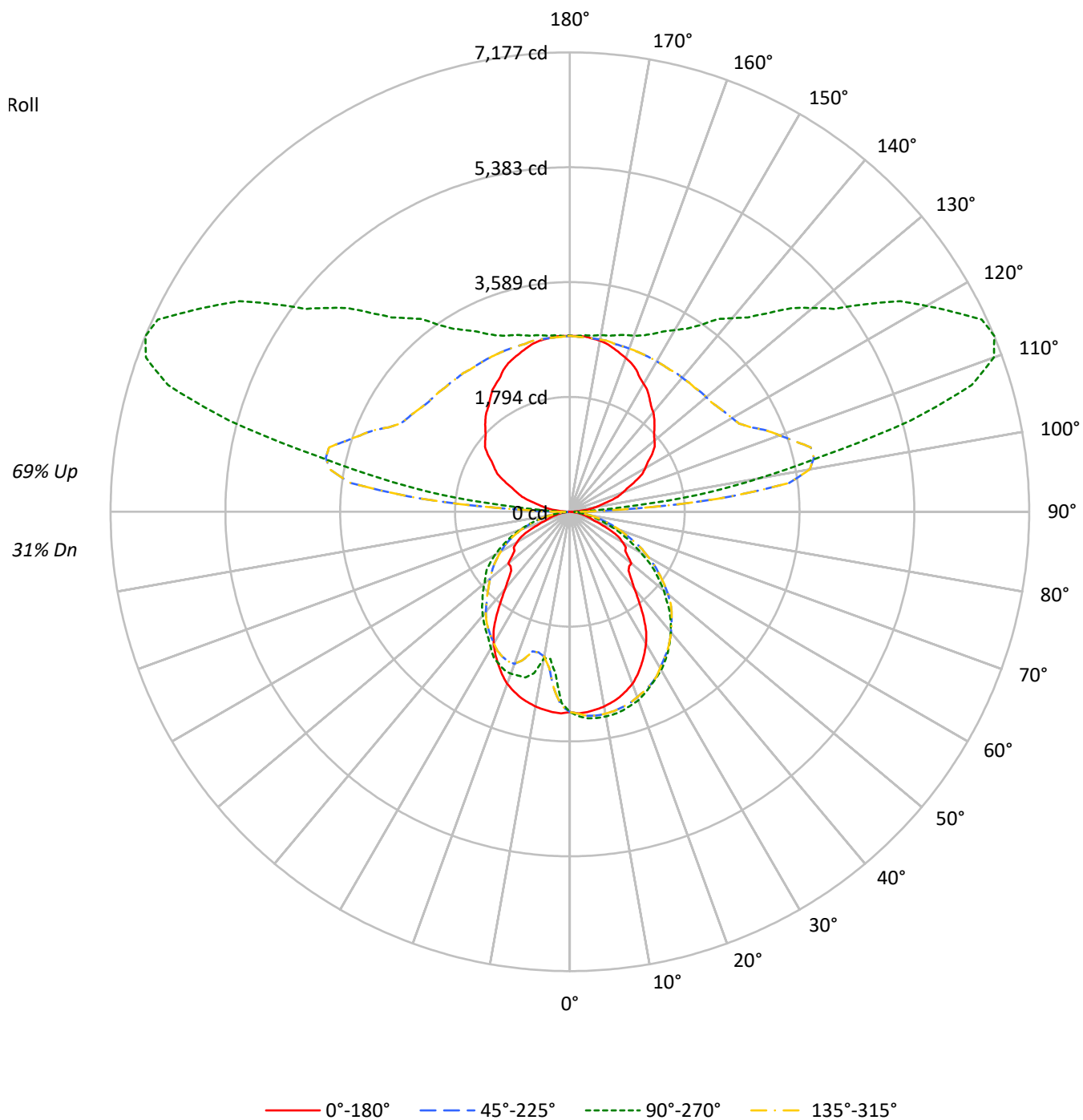
Lumens per Lamp: N/A
Luminaire Lumens: 25937.6 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 190.8
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

TEST NUMBER: P935978

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-3000K

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9671	9671	9671	9671
5°	9747	9763	9747	7676
10°	9685	9617	9685	6875
15°	9584	9408	9584	7856
20°	9387	9161	9387	7873
25°	8980	8801	8980	7706
30°	8453	8503	8453	7339
35°	7540	8125	7540	6937
40°	6286	7679	6286	6632
45°	5620	7158	5620	6283
50°	5976	6537	5976	5932
55°	5628	5868	5628	5729
60°	5808	4983	5808	5247
65°	5275	4120	5275	4605
70°	3661	3283	3661	3860
75°	3223	2427	3223	2906
80°	2616	1604	2616	1747
85°	1533	850	1533	723

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 8609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.2	1.1
10°-20°	801.3	3.1
20°-30°	1238.7	4.8
30°-40°	1478.8	5.7
40°-50°	1487.4	5.7
50°-60°	1294.2	5.0
60°-70°	917.6	3.5
70°-80°	485.5	1.9
80°-90°	131.4	0.5
90°-100°	1340.0	5.2
100°-110°	3522.9	13.6
110°-120°	3652.8	14.1
120°-130°	2930.0	11.3
130°-140°	2299.0	8.9
140°-150°	1764.6	6.8
150°-160°	1270.8	4.9
160°-170°	777.5	3.0
170°-180°	262.7	1.0
0°-30°	2322.3	9.0
0°-40°	3801.1	14.7
0°-60°	6582.8	25.4
0°-90°	8117.3	31.3
90°-120°	8515.7	32.8
90°-150°	15509.3	59.8
90°-180°	17820.0	68.7
0°-180°	25937.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3127	3127	3127	3127	3127	
5°	3142	3239	3142	2547	3142	298
15°	3000	3210	3000	2680	3000	844
25°	2642	2994	2642	2621	2642	1213
35°	2008	2671	2008	2281	2008	1243
45°	1296	2201	1296	1932	1296	1038
55°	1056	1624	1056	1586	1056	970
65°	734	979	734	1094	734	701
75°	278	464	278	556	278	292
85°	47	118	47	101	47	64
90°	18	70	18	70	18	17
95°	177	810	177	810	177	197
105°	635	5516	635	5516	635	673
115°	1127	7103	1127	7103	1127	1113
125°	1568	5657	1568	5657	1568	1392
135°	1869	4389	1869	4389	1869	1446
145°	2168	3561	2168	3561	2168	1358
155°	2450	3066	2450	3066	2450	1126
165°	2644	2856	2644	2856	2644	746
175°	2749	2767	2749	2767	2749	261
180°	2749	2749	2749	2749	2749	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3153.3	3153.3	3171.1	3177.0	3177.0	3168.1	3159.2	3168.1	3194.7	3203.6	3200.7
5°	3141.5	3165.2	3197.7	3203.6	3209.5	3206.6	3200.7	3206.6	3236.2	3242.1	3245.0
7.5°	3117.8	3162.2	3203.6	3212.5	3221.4	3212.5	3209.5	3215.4	3245.0	3250.9	3250.9
10°	3088.3	3150.4	3197.7	3203.6	3212.5	3203.6	3203.6	3215.4	3245.0	3250.9	3253.9
12.5°	3046.8	3132.6	3177.0	3182.9	3194.7	3191.8	3188.8	3200.7	3230.2	3236.2	3236.2
15°	2999.5	3100.1	3141.5	3147.4	3168.1	3162.2	3162.2	3174.0	3206.6	3215.4	3212.5
17.5°	2934.4	3058.7	3106.0	3114.9	3129.7	3126.7	3129.7	3141.5	3171.1	3177.0	3179.9
20°	2860.5	3002.5	3058.7	3067.5	3082.3	3082.3	3082.3	3097.1	3126.7	3138.5	3138.5
22.5°	2759.9	2943.3	3002.5	3008.4	3026.1	3026.1	3032.0	3052.8	3079.4	3082.3	3082.3
25°	2641.6	2878.2	2928.5	2946.3	2964.0	2972.9	2981.8	2993.6	3002.5	2999.5	3002.5
27.5°	2517.3	2795.4	2860.5	2872.3	2896.0	2904.9	2916.7	2919.6	2922.6	2931.5	2925.6
30°	2378.2	2680.0	2777.7	2789.5	2827.9	2833.9	2822.0	2827.9	2842.7	2848.7	2854.6
32.5°	2221.5	2508.4	2691.9	2718.5	2754.0	2736.2	2733.3	2742.2	2765.8	2765.8	2771.7
35°	2008.5	2375.3	2612.0	2635.7	2662.3	2641.6	2653.4	2656.4	2671.2	2680.0	2677.1
37.5°	1774.8	2259.9	2529.1	2546.8	2567.5	2540.9	2558.7	2567.5	2579.4	2573.5	2573.5
40°	1567.7	2079.5	2431.5	2443.3	2461.1	2440.4	2458.1	2464.0	2469.9	2464.0	2461.1
42.5°	1413.9	1881.3	2327.9	2342.7	2330.9	2345.7	2351.6	2363.4	2354.6	2342.7	2342.7
45°	1295.6	1828.0	2215.5	2233.3	2215.5	2239.2	2248.1	2248.1	2221.5	2215.5	2212.6
47.5°	1257.2	1721.6	2103.1	2103.1	2094.3	2123.8	2138.6	2117.9	2091.3	2082.4	2082.4
50°	1254.2	1603.2	1949.3	1937.5	1978.9	2014.4	1999.6	1978.9	1958.2	1925.7	1925.7
52.5°	1138.8	1458.3	1751.1	1795.5	1860.6	1881.3	1857.6	1836.9	1801.4	1786.6	1774.8
55°	1056.0	1307.4	1570.7	1659.4	1727.5	1754.1	1709.7	1689.0	1635.8	1626.9	1621.0
57.5°	1038.3	1088.5	1405.0	1517.5	1600.3	1597.3	1570.7	1532.2	1487.9	1479.0	1476.0
60°	952.5	786.8	1227.6	1360.7	1446.5	1437.6	1413.9	1378.4	1337.0	1331.1	1325.2
62.5°	863.7	570.9	1026.4	1177.3	1298.6	1295.6	1274.9	1221.7	1192.1	1177.3	1165.5
65°	733.6	479.2	730.6	979.1	1153.6	1159.5	1115.2	1076.7	1044.2	1026.4	1023.5
67.5°	559.1	390.5	494.0	816.4	1014.6	1008.7	952.5	934.7	893.3	884.4	866.7
70°	414.1	260.3	343.1	662.6	878.5	863.7	819.4	798.7	760.2	739.5	727.7
72.5°	343.1	210.0	251.4	514.7	739.5	721.8	683.3	659.6	627.1	609.3	597.5
75°	278.1	221.8	192.3	381.6	600.5	588.6	553.1	529.5	502.9	479.2	482.2
77.5°	204.1	207.1	153.8	281.0	476.2	458.5	437.8	408.2	396.4	372.7	372.7
80°	153.8	162.7	115.4	192.3	343.1	343.1	325.4	304.7	284.0	272.1	272.1
82.5°	103.5	103.5	85.8	121.3	233.7	224.8	213.0	207.1	195.2	189.3	189.3
85°	47.3	59.2	53.2	74.0	127.2	133.1	133.1	127.2	124.2	118.3	121.3
87.5°	14.8	26.6	32.5	41.4	65.1	68.0	71.0	71.0	71.0	74.0	74.0
90°	18.4	33.2	48.0	51.7	81.1	120.5	140.2	124.6	93.5	70.1	70.1
92.5°	73.8	199.2	324.7	356.0	500.6	693.3	789.6	692.0	496.8	350.5	336.6
95°	177.1	406.6	636.3	693.7	1231.8	1949.3	2308.0	2059.6	1562.7	1190.0	1147.8
97.5°	306.3	508.8	711.3	762.0	1659.2	2855.6	3453.7	3296.7	2982.6	2747.1	2666.7
100°	405.8	589.5	773.2	819.2	1814.8	3142.3	3806.1	3817.5	3840.5	3857.7	3762.0
102.5°	490.7	662.1	833.5	876.4	1886.1	3232.5	3905.7	4105.8	4505.9	4806.1	4724.0
105°	634.7	779.8	925.0	961.3	1939.1	3242.8	3894.6	4343.1	5240.2	5912.9	5868.9
107.5°	782.3	917.6	1052.9	1086.7	1948.8	3098.4	3673.2	4298.9	5550.1	6488.6	6499.2
110°	881.9	1004.0	1126.2	1156.8	1934.1	2970.5	3488.8	4188.2	5587.1	6636.2	6682.1

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	979.7	1096.1	1212.6	1241.7	1934.7	2858.8	3320.8	4036.7	5468.4	6542.1	6612.6
115°	1127.3	1234.7	1342.1	1369.0	1952.6	2730.7	3119.8	3809.4	5188.5	6222.9	6320.8
117.5°	1273.0	1370.5	1468.2	1492.5	1988.8	2650.5	2981.4	3603.7	4848.5	5782.0	5890.5
120°	1357.8	1449.7	1541.5	1564.5	2018.3	2623.5	2926.1	3494.7	4631.9	5484.9	5590.3
122.5°	1440.8	1533.5	1626.2	1649.4	2060.8	2609.4	2883.7	3395.7	4419.8	5187.9	5291.9
125°	1568.2	1652.6	1737.1	1758.2	2118.0	2597.7	2837.5	3272.5	4142.5	4794.9	4890.7
127.5°	1671.5	1756.8	1842.0	1863.3	2175.1	2590.9	2798.8	3172.3	3919.3	4479.5	4560.2
130°	1726.9	1818.7	1910.5	1933.4	2216.9	2595.0	2784.0	3116.5	3781.5	4280.2	4354.9
132.5°	1784.1	1875.9	1967.7	1990.6	2250.7	2597.6	2771.1	3068.7	3664.1	4110.5	4177.4
135°	1868.9	1952.5	2036.2	2057.1	2287.7	2595.3	2749.0	2998.2	3496.8	3870.6	3928.2
137.5°	1955.6	2038.5	2121.3	2142.0	2343.0	2611.1	2745.2	2955.9	3377.4	3693.6	3740.7
140°	2027.6	2103.8	2180.1	2199.2	2376.9	2613.8	2732.3	2914.3	3278.4	3551.5	3595.5
142.5°	2082.9	2153.4	2223.9	2241.6	2405.1	2623.3	2732.3	2892.2	3212.0	3451.9	3489.8
145°	2167.8	2229.3	2290.8	2306.2	2442.0	2623.3	2713.9	2844.6	3106.2	3302.4	3331.1
147.5°	2252.6	2312.5	2372.3	2387.3	2496.2	2641.3	2713.9	2816.8	3022.6	3177.0	3200.8
150°	2308.0	2362.2	2416.3	2429.8	2524.5	2650.8	2713.9	2800.8	2974.7	3105.0	3124.2
152.5°	2365.2	2406.2	2447.2	2457.4	2542.9	2656.9	2713.9	2788.1	2936.5	3047.8	3062.4
155°	2450.1	2480.5	2510.8	2518.3	2583.5	2670.4	2713.9	2772.9	2891.1	2979.6	2989.3
157.5°	2512.8	2542.3	2571.8	2579.2	2624.0	2683.9	2713.9	2759.8	2851.6	2920.5	2927.3
160°	2555.2	2578.2	2601.2	2606.9	2642.6	2690.1	2713.9	2753.2	2831.9	2891.0	2894.9
162.5°	2597.6	2614.9	2632.0	2636.4	2662.2	2696.6	2713.9	2747.1	2813.6	2863.3	2867.0
165°	2643.8	2659.3	2674.9	2678.9	2690.5	2706.1	2713.9	2737.6	2785.2	2820.8	2824.8
167.5°	2686.3	2693.7	2700.9	2702.8	2712.7	2725.8	2732.3	2747.9	2779.0	2802.4	2804.1
170°	2713.9	2721.3	2728.7	2730.5	2731.1	2731.9	2732.3	2747.9	2779.0	2802.4	2802.4
172.5°	2728.7	2730.2	2731.9	2732.3	2732.3	2732.3	2732.3	2744.6	2769.3	2787.7	2786.2
175°	2749.0	2749.0	2749.0	2749.0	2743.4	2736.1	2732.3	2740.1	2755.7	2767.4	2767.4
177.5°	2749.0	2749.0	2749.0	2749.0	2744.6	2738.9	2736.1	2742.2	2754.5	2763.7	2762.0
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3206.6	3197.7	3206.6	3200.7	3203.6	3194.7	3168.1	3159.2	3168.1	3177.0	3177.0
5°	3245.0	3239.1	3245.0	3245.0	3242.1	3236.2	3206.6	3200.7	3206.6	3209.5	3203.6
7.5°	3256.9	3248.0	3256.9	3250.9	3250.9	3245.0	3215.4	3209.5	3212.5	3221.4	3212.5
10°	3256.9	3248.0	3256.9	3253.9	3250.9	3245.0	3215.4	3203.6	3203.6	3212.5	3203.6
12.5°	3242.1	3236.2	3242.1	3236.2	3236.2	3230.2	3200.7	3188.8	3191.8	3194.7	3182.9
15°	3218.4	3209.5	3218.4	3212.5	3215.4	3206.6	3174.0	3162.2	3162.2	3168.1	3147.4
17.5°	3182.9	3171.1	3182.9	3179.9	3177.0	3171.1	3141.5	3129.7	3126.7	3129.7	3114.9
20°	3141.5	3132.6	3141.5	3138.5	3138.5	3126.7	3097.1	3082.3	3082.3	3082.3	3067.5
22.5°	3076.4	3067.5	3076.4	3082.3	3082.3	3079.4	3052.8	3032.0	3026.1	3026.1	3008.4
25°	3002.5	2993.6	3002.5	3002.5	2999.5	3002.5	2993.6	2981.8	2972.9	2964.0	2946.3
27.5°	2931.5	2925.6	2931.5	2925.6	2931.5	2922.6	2919.6	2916.7	2904.9	2896.0	2872.3
30°	2860.5	2854.6	2860.5	2854.6	2848.7	2842.7	2827.9	2822.0	2833.9	2827.9	2789.5
32.5°	2771.7	2765.8	2771.7	2771.7	2765.8	2765.8	2742.2	2733.3	2736.2	2754.0	2718.5
35°	2680.0	2671.2	2680.0	2677.1	2680.0	2671.2	2656.4	2653.4	2641.6	2662.3	2635.7
37.5°	2573.5	2564.6	2573.5	2573.5	2573.5	2579.4	2567.5	2558.7	2540.9	2567.5	2546.8
40°	2464.0	2452.2	2464.0	2461.1	2464.0	2469.9	2464.0	2458.1	2440.4	2461.1	2443.3
42.5°	2339.8	2336.8	2339.8	2342.7	2342.7	2354.6	2363.4	2351.6	2345.7	2330.9	2342.7
45°	2206.7	2200.8	2206.7	2212.6	2215.5	2221.5	2248.1	2248.1	2239.2	2215.5	2233.3
47.5°	2064.7	2049.9	2064.7	2082.4	2082.4	2091.3	2117.9	2138.6	2123.8	2094.3	2103.1
50°	1913.8	1916.8	1913.8	1925.7	1925.7	1958.2	1978.9	1999.6	2014.4	1978.9	1937.5
52.5°	1765.9	1763.0	1765.9	1774.8	1786.6	1801.4	1836.9	1857.6	1881.3	1860.6	1795.5
55°	1618.0	1623.9	1618.0	1621.0	1626.9	1635.8	1689.0	1709.7	1754.1	1727.5	1659.4
57.5°	1470.1	1461.3	1470.1	1476.0	1479.0	1487.9	1532.2	1570.7	1597.3	1600.3	1517.5
60°	1298.6	1286.7	1298.6	1325.2	1331.1	1337.0	1378.4	1413.9	1437.6	1446.5	1360.7
62.5°	1147.7	1127.0	1147.7	1165.5	1177.3	1192.1	1221.7	1274.9	1295.6	1298.6	1177.3
65°	988.0	979.1	988.0	1023.5	1026.4	1044.2	1076.7	1115.2	1159.5	1153.6	979.1
67.5°	843.0	843.0	843.0	866.7	884.4	893.3	934.7	952.5	1008.7	1014.6	816.4
70°	709.9	707.0	709.9	727.7	739.5	760.2	798.7	819.4	863.7	878.5	662.6
72.5°	582.7	579.8	582.7	597.5	609.3	627.1	659.6	683.3	721.8	739.5	514.7
75°	470.3	464.4	470.3	482.2	479.2	502.9	529.5	553.1	588.6	600.5	381.6
77.5°	360.9	360.9	360.9	372.7	372.7	396.4	408.2	437.8	458.5	476.2	281.0
80°	269.2	266.2	269.2	272.1	272.1	284.0	304.7	325.4	343.1	343.1	192.3
82.5°	189.3	183.4	189.3	189.3	189.3	195.2	207.1	213.0	224.8	233.7	121.3
85°	118.3	118.3	118.3	121.3	118.3	124.2	127.2	133.1	133.1	127.2	74.0
87.5°	76.9	74.0	76.9	74.0	74.0	71.0	71.0	71.0	68.0	65.1	41.4
90°	70.1	70.1	70.1	70.1	70.1	93.5	124.6	140.2	120.5	81.1	51.7
92.5°	280.8	225.1	280.8	336.6	350.5	496.8	692.0	789.6	693.3	500.6	356.0
95°	978.8	809.9	978.8	1147.8	1190.0	1562.7	2059.6	2308.0	1949.3	1231.8	693.7
97.5°	2345.3	2023.9	2345.3	2666.7	2747.1	2982.6	3296.7	3453.7	2855.6	1659.2	762.0
100°	3379.1	2996.2	3379.1	3762.0	3857.7	3840.5	3817.5	3806.1	3142.3	1814.8	819.2
102.5°	4396.1	4068.0	4396.1	4724.0	4806.1	4505.9	4105.8	3905.7	3232.5	1886.1	876.4
105°	5692.7	5516.4	5692.7	5868.9	5912.9	5240.2	4343.1	3894.6	3242.8	1939.1	961.3
107.5°	6541.9	6584.5	6541.9	6499.2	6488.6	5550.1	4298.9	3673.2	3098.4	1948.8	1086.7
110°	6865.8	7049.5	6865.8	6682.1	6636.2	5587.1	4188.2	3488.8	2970.5	1934.1	1156.8

TEST NUMBER: P935978

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6894.7	7176.8	6894.7	6612.6	6542.1	5468.4	4036.7	3320.8	2858.8	1934.7	1241.7
115°	6711.8	7102.9	6711.8	6320.8	6222.9	5188.5	3809.4	3119.8	2730.7	1952.6	1369.0
117.5°	6324.2	6757.9	6324.2	5890.5	5782.0	4848.5	3603.7	2981.4	2650.5	1988.8	1492.5
120°	6011.7	6433.3	6011.7	5590.3	5484.9	4631.9	3494.7	2926.1	2623.5	2018.3	1564.5
122.5°	5707.7	6123.4	5707.7	5291.9	5187.9	4419.8	3395.7	2883.7	2609.4	2060.8	1649.4
125°	5273.6	5656.6	5273.6	4890.7	4794.9	4142.5	3272.5	2837.5	2597.7	2118.0	1758.2
127.5°	4883.4	5206.4	4883.4	4560.2	4479.5	3919.3	3172.3	2798.8	2590.9	2175.1	1863.3
130°	4653.3	4951.8	4653.3	4354.9	4280.2	3781.5	3116.5	2784.0	2595.0	2216.9	1933.4
132.5°	4444.6	4711.9	4444.6	4177.4	4110.5	3664.1	3068.7	2771.1	2597.6	2250.7	1990.6
135°	4158.7	4389.1	4158.7	3928.2	3870.6	3496.8	2998.2	2749.0	2595.3	2287.7	2057.1
137.5°	3929.3	4117.8	3929.3	3740.7	3693.6	3377.4	2955.9	2745.2	2611.1	2343.0	2142.0
140°	3771.8	3948.1	3771.8	3595.5	3551.5	3278.4	2914.3	2732.3	2613.8	2376.9	2199.2
142.5°	3641.5	3793.1	3641.5	3489.8	3451.9	3212.0	2892.2	2732.3	2623.3	2405.1	2241.6
145°	3446.0	3560.7	3446.0	3331.1	3302.4	3106.2	2844.6	2713.9	2623.3	2442.0	2306.2
147.5°	3295.9	3391.0	3295.9	3200.8	3177.0	3022.6	2816.8	2713.9	2641.3	2496.2	2387.3
150°	3201.3	3278.4	3201.3	3124.2	3105.0	2974.7	2800.8	2713.9	2650.8	2524.5	2429.8
152.5°	3120.6	3178.8	3120.6	3062.4	3047.8	2936.5	2788.1	2713.9	2656.9	2542.9	2457.4
155°	3027.7	3066.3	3027.7	2989.3	2979.6	2891.1	2772.9	2713.9	2670.4	2583.5	2518.3
157.5°	2954.4	2981.4	2954.4	2927.3	2920.5	2851.6	2759.8	2713.9	2683.9	2624.0	2579.2
160°	2910.5	2926.1	2910.5	2894.9	2891.0	2831.9	2753.2	2713.9	2690.1	2642.6	2606.9
162.5°	2881.8	2896.6	2881.8	2867.0	2863.3	2813.6	2747.1	2713.9	2696.6	2662.2	2636.4
165°	2840.4	2855.9	2840.4	2824.8	2820.8	2785.2	2737.6	2713.9	2706.1	2690.5	2678.9
167.5°	2810.6	2817.2	2810.6	2804.1	2802.4	2779.0	2747.9	2732.3	2725.8	2712.7	2702.8
170°	2802.4	2802.4	2802.4	2802.4	2802.4	2779.0	2747.9	2732.3	2731.9	2731.1	2730.5
172.5°	2780.5	2774.8	2780.5	2786.2	2787.7	2769.3	2744.6	2732.3	2732.3	2732.3	2732.3
175°	2767.4	2767.4	2767.4	2767.4	2767.4	2755.7	2740.1	2732.3	2736.1	2743.4	2749.0
177.5°	2755.5	2749.0	2755.5	2762.0	2763.7	2754.5	2742.2	2736.1	2738.9	2744.6	2749.0
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0

TEST NUMBER: P935978

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3171.1	3153.3	3153.3	3123.7	3111.9	3103.0	3088.3	3043.9	3032.0	3020.2	3038.0
5°	3197.7	3165.2	3141.5	3088.3	3043.9	3026.1	2969.9	2863.4	2792.5	2739.2	2709.6
7.5°	3203.6	3162.2	3117.8	3035.0	2928.5	2881.2	2709.6	2514.3	2461.1	2413.7	2384.1
10°	3197.7	3150.4	3088.3	2964.0	2712.6	2629.8	2458.1	2330.9	2298.4	2289.5	2298.4
12.5°	3177.0	3132.6	3046.8	2839.8	2487.7	2431.5	2330.9	2257.0	2251.0	2265.8	2345.7
15°	3141.5	3100.1	2999.5	2674.1	2363.4	2322.0	2251.0	2224.4	2257.0	2360.5	2600.1
17.5°	3106.0	3058.7	2934.4	2511.3	2268.8	2239.2	2188.9	2242.2	2425.6	2564.6	2644.6
20°	3058.7	3002.5	2860.5	2393.0	2200.8	2174.1	2150.5	2390.1	2529.1	2579.4	2623.8
22.5°	3002.5	2943.3	2759.9	2310.2	2129.8	2109.1	2123.8	2472.9	2529.1	2564.6	2603.0
25°	2928.5	2878.2	2641.6	2245.1	2073.6	2049.9	2106.1	2464.0	2496.6	2505.4	2582.3
27.5°	2860.5	2795.4	2517.3	2186.0	2005.5	1996.6	2120.9	2425.6	2449.2	2458.1	2540.9
30°	2777.7	2680.0	2378.2	2123.8	1934.5	1931.6	2123.8	2378.2	2372.3	2396.0	2478.8
32.5°	2691.9	2508.4	2221.5	2046.9	1866.5	1863.5	2103.1	2307.2	2301.3	2333.9	2396.0
35°	2612.0	2375.3	2008.5	1958.2	1780.7	1783.7	2052.9	2224.4	2227.4	2257.0	2295.4
37.5°	2529.1	2259.9	1774.8	1860.6	1697.9	1697.9	1984.8	2147.5	2141.6	2150.5	2203.7
40°	2431.5	2079.5	1567.7	1733.4	1621.0	1612.1	1902.0	2064.7	2044.0	2041.0	2115.0
42.5°	2327.9	1881.3	1413.9	1564.8	1532.2	1520.4	1801.4	1964.1	1925.7	1934.5	2029.2
45°	2215.5	1828.0	1295.6	1322.2	1440.5	1431.7	1692.0	1848.8	1822.1	1845.8	1943.4
47.5°	2103.1	1721.6	1257.2	1097.4	1342.9	1340.0	1570.7	1736.3	1721.6	1745.2	1848.8
50°	1949.3	1603.2	1254.2	940.6	1233.5	1245.3	1425.8	1626.9	1626.9	1647.6	1757.1
52.5°	1751.1	1458.3	1138.8	851.9	1106.3	1141.8	1298.6	1532.2	1538.2	1558.9	1656.5
55°	1570.7	1307.4	1056.0	783.9	955.4	1032.3	1174.3	1434.6	1446.5	1467.2	1555.9
57.5°	1405.0	1088.5	1038.3	704.0	816.4	890.4	1064.9	1340.0	1345.9	1363.6	1449.4
60°	1227.6	786.8	952.5	618.2	695.1	751.3	964.3	1227.6	1248.3	1260.1	1334.1
62.5°	1026.4	570.9	863.7	559.1	636.0	647.8	881.5	1121.1	1147.7	1156.6	1200.9
65°	730.6	479.2	733.6	508.8	573.9	576.8	792.7	1011.6	1035.3	1050.1	1082.6
67.5°	494.0	390.5	559.1	461.4	526.5	529.5	707.0	884.4	917.0	928.8	949.5
70°	343.1	260.3	414.1	411.2	473.3	479.2	615.3	769.1	798.7	807.5	819.4
72.5°	251.4	210.0	343.1	369.8	417.1	423.0	520.6	638.9	668.5	677.4	683.3
75°	192.3	221.8	278.1	322.4	355.0	357.9	426.0	520.6	541.3	547.2	550.2
77.5°	153.8	207.1	204.1	260.3	289.9	284.0	334.3	402.3	420.0	420.0	420.0
80°	115.4	162.7	153.8	186.4	213.0	207.1	239.6	286.9	292.8	298.8	295.8
82.5°	85.8	103.5	103.5	118.3	142.0	136.1	159.7	186.4	186.4	186.4	192.3
85°	53.2	59.2	47.3	62.1	79.9	76.9	88.7	100.6	103.5	103.5	97.6
87.5°	32.5	26.6	14.8	23.7	35.5	35.5	41.4	44.4	41.4	41.4	41.4
90°	48.0	33.2	18.4	33.2	48.0	51.7	81.1	120.5	140.2	124.6	93.5
92.5°	324.7	199.2	73.8	199.2	324.7	356.0	500.6	693.3	789.6	692.0	496.8
95°	636.3	406.6	177.1	406.6	636.3	693.7	1231.8	1949.3	2308.0	2059.6	1562.7
97.5°	711.3	508.8	306.3	508.8	711.3	762.0	1659.2	2855.6	3453.7	3296.7	2982.6
100°	773.2	589.5	405.8	589.5	773.2	819.2	1814.8	3142.3	3806.1	3817.5	3840.5
102.5°	833.5	662.1	490.7	662.1	833.5	876.4	1886.1	3232.5	3905.7	4105.8	4505.9
105°	925.0	779.8	634.7	779.8	925.0	961.3	1939.1	3242.8	3894.6	4343.1	5240.2
107.5°	1052.9	917.6	782.3	917.6	1052.9	1086.7	1948.8	3098.4	3673.2	4298.9	5550.1
110°	1126.2	1004.0	881.9	1004.0	1126.2	1156.8	1934.1	2970.5	3488.8	4188.2	5587.1

TEST NUMBER: P935978

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1212.6	1096.1	979.7	1096.1	1212.6	1241.7	1934.7	2858.8	3320.8	4036.7	5468.4
115°	1342.1	1234.7	1127.3	1234.7	1342.1	1369.0	1952.6	2730.7	3119.8	3809.4	5188.5
117.5°	1468.2	1370.5	1273.0	1370.5	1468.2	1492.5	1988.8	2650.5	2981.4	3603.7	4848.5
120°	1541.5	1449.7	1357.8	1449.7	1541.5	1564.5	2018.3	2623.5	2926.1	3494.7	4631.9
122.5°	1626.2	1533.5	1440.8	1533.5	1626.2	1649.4	2060.8	2609.4	2883.7	3395.7	4419.8
125°	1737.1	1652.6	1568.2	1652.6	1737.1	1758.2	2118.0	2597.7	2837.5	3272.5	4142.5
127.5°	1842.0	1756.8	1671.5	1756.8	1842.0	1863.3	2175.1	2590.9	2798.8	3172.3	3919.3
130°	1910.5	1818.7	1726.9	1818.7	1910.5	1933.4	2216.9	2595.0	2784.0	3116.5	3781.5
132.5°	1967.7	1875.9	1784.1	1875.9	1967.7	1990.6	2250.7	2597.6	2771.1	3068.7	3664.1
135°	2036.2	1952.5	1868.9	1952.5	2036.2	2057.1	2287.7	2595.3	2749.0	2998.2	3496.8
137.5°	2121.3	2038.5	1955.6	2038.5	2121.3	2142.0	2343.0	2611.1	2745.2	2955.9	3377.4
140°	2180.1	2103.8	2027.6	2103.8	2180.1	2199.2	2376.9	2613.8	2732.3	2914.3	3278.4
142.5°	2223.9	2153.4	2082.9	2153.4	2223.9	2241.6	2405.1	2623.3	2732.3	2892.2	3212.0
145°	2290.8	2229.3	2167.8	2229.3	2290.8	2306.2	2442.0	2623.3	2713.9	2844.6	3106.2
147.5°	2372.3	2312.5	2252.6	2312.5	2372.3	2387.3	2496.2	2641.3	2713.9	2816.8	3022.6
150°	2416.3	2362.2	2308.0	2362.2	2416.3	2429.8	2524.5	2650.8	2713.9	2800.8	2974.7
152.5°	2447.2	2406.2	2365.2	2406.2	2447.2	2457.4	2542.9	2656.9	2713.9	2788.1	2936.5
155°	2510.8	2480.5	2450.1	2480.5	2510.8	2518.3	2583.5	2670.4	2713.9	2772.9	2891.1
157.5°	2571.8	2542.3	2512.8	2542.3	2571.8	2579.2	2624.0	2683.9	2713.9	2759.8	2851.6
160°	2601.2	2578.2	2555.2	2578.2	2601.2	2606.9	2642.6	2690.1	2713.9	2753.2	2831.9
162.5°	2632.0	2614.9	2597.6	2614.9	2632.0	2636.4	2662.2	2696.6	2713.9	2747.1	2813.6
165°	2674.9	2659.3	2643.8	2659.3	2674.9	2678.9	2690.5	2706.1	2713.9	2737.6	2785.2
167.5°	2700.9	2693.7	2686.3	2693.7	2700.9	2702.8	2712.7	2725.8	2732.3	2747.9	2779.0
170°	2728.7	2721.3	2713.9	2721.3	2728.7	2730.5	2731.1	2731.9	2732.3	2747.9	2779.0
172.5°	2731.9	2730.2	2728.7	2730.2	2731.9	2732.3	2732.3	2732.3	2732.3	2744.6	2769.3
175°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2743.4	2736.1	2732.3	2740.1	2755.7
177.5°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2744.6	2738.9	2736.1	2742.2	2754.5
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0

TEST NUMBER: P935978

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3017.3	3008.4	3020.2	2987.7	3020.2	3008.4	3017.3	3038.0	3020.2	3032.0	3043.9
5°	2647.5	2632.7	2585.3	2546.8	2585.3	2632.7	2647.5	2709.6	2739.2	2792.5	2863.4
7.5°	2366.4	2354.6	2342.7	2319.1	2342.7	2354.6	2366.4	2384.1	2413.7	2461.1	2514.3
10°	2304.3	2307.2	2325.0	2322.0	2325.0	2307.2	2304.3	2298.4	2289.5	2298.4	2330.9
12.5°	2464.0	2490.6	2588.2	2582.3	2588.2	2490.6	2464.0	2345.7	2265.8	2251.0	2257.0
15°	2647.5	2656.4	2677.1	2680.0	2677.1	2656.4	2647.5	2600.1	2360.5	2257.0	2224.4
17.5°	2665.3	2668.2	2683.0	2683.0	2683.0	2668.2	2665.3	2644.6	2564.6	2425.6	2242.2
20°	2650.5	2656.4	2686.0	2691.9	2686.0	2656.4	2650.5	2623.8	2579.4	2529.1	2390.1
22.5°	2644.6	2656.4	2680.0	2677.1	2680.0	2656.4	2644.6	2603.0	2564.6	2529.1	2472.9
25°	2615.0	2615.0	2617.9	2620.9	2617.9	2615.0	2615.0	2582.3	2505.4	2496.6	2464.0
27.5°	2552.8	2558.7	2576.4	2573.5	2576.4	2558.7	2552.8	2540.9	2458.1	2449.2	2425.6
30°	2496.6	2490.6	2475.8	2464.0	2475.8	2490.6	2496.6	2478.8	2396.0	2372.3	2378.2
32.5°	2401.9	2387.1	2372.3	2363.4	2372.3	2387.1	2401.9	2396.0	2333.9	2301.3	2307.2
35°	2289.5	2292.4	2289.5	2280.6	2289.5	2292.4	2289.5	2295.4	2257.0	2227.4	2224.4
37.5°	2209.6	2215.5	2212.6	2200.8	2212.6	2215.5	2209.6	2203.7	2150.5	2141.6	2147.5
40°	2126.8	2129.8	2126.8	2117.9	2126.8	2129.8	2126.8	2115.0	2041.0	2044.0	2064.7
42.5°	2046.9	2044.0	2035.1	2029.2	2035.1	2044.0	2046.9	2029.2	1934.5	1925.7	1964.1
45°	1955.2	1958.2	1940.4	1931.6	1940.4	1958.2	1955.2	1943.4	1845.8	1822.1	1848.8
47.5°	1863.5	1863.5	1848.8	1839.9	1848.8	1863.5	1863.5	1848.8	1745.2	1721.6	1736.3
50°	1765.9	1763.0	1742.3	1739.3	1742.3	1763.0	1765.9	1757.1	1647.6	1626.9	1626.9
52.5°	1653.5	1653.5	1656.5	1662.4	1656.5	1653.5	1653.5	1656.5	1558.9	1538.2	1532.2
55°	1555.9	1558.9	1579.6	1585.5	1579.6	1558.9	1555.9	1555.9	1467.2	1446.5	1434.6
57.5°	1455.3	1455.3	1470.1	1470.1	1470.1	1455.3	1455.3	1449.4	1363.6	1345.9	1340.0
60°	1340.0	1345.9	1357.7	1354.8	1357.7	1345.9	1340.0	1334.1	1260.1	1248.3	1227.6
62.5°	1218.7	1224.6	1227.6	1221.7	1227.6	1224.6	1218.7	1200.9	1156.6	1147.7	1121.1
65°	1091.5	1097.4	1100.4	1094.5	1100.4	1097.4	1091.5	1082.6	1050.1	1035.3	1011.6
67.5°	961.4	958.4	955.4	967.3	955.4	958.4	961.4	949.5	928.8	917.0	884.4
70°	828.2	828.2	825.3	831.2	825.3	828.2	828.2	819.4	807.5	798.7	769.1
72.5°	686.3	683.3	695.1	686.3	695.1	683.3	686.3	683.3	677.4	668.5	638.9
75°	547.2	553.1	547.2	556.1	547.2	553.1	547.2	550.2	547.2	541.3	520.6
77.5°	417.1	423.0	417.1	417.1	417.1	423.0	417.1	420.0	420.0	420.0	402.3
80°	295.8	292.8	292.8	289.9	292.8	292.8	295.8	295.8	298.8	292.8	286.9
82.5°	189.3	186.4	186.4	192.3	186.4	186.4	189.3	192.3	186.4	186.4	186.4
85°	103.5	106.5	100.6	100.6	100.6	106.5	103.5	97.6	103.5	103.5	100.6
87.5°	38.5	35.5	35.5	35.5	35.5	35.5	38.5	41.4	41.4	41.4	44.4
90°	70.1	70.1	70.1	70.1	70.1	70.1	70.1	93.5	124.6	140.2	120.5
92.5°	350.5	336.6	280.8	225.1	280.8	336.6	350.5	496.8	692.0	789.6	693.3
95°	1190.0	1147.8	978.8	809.9	978.8	1147.8	1190.0	1562.7	2059.6	2308.0	1949.3
97.5°	2747.1	2666.7	2345.3	2023.9	2345.3	2666.7	2747.1	2982.6	3296.7	3453.7	2855.6
100°	3857.7	3762.0	3379.1	2996.2	3379.1	3762.0	3857.7	3840.5	3817.5	3806.1	3142.3
102.5°	4806.1	4724.0	4396.1	4068.0	4396.1	4724.0	4806.1	4505.9	4105.8	3905.7	3232.5
105°	5912.9	5868.9	5692.7	5516.4	5692.7	5868.9	5912.9	5240.2	4343.1	3894.6	3242.8
107.5°	6488.6	6499.2	6541.9	6584.5	6541.9	6499.2	6488.6	5550.1	4298.9	3673.2	3098.4
110°	6636.2	6682.1	6865.8	7049.5	6865.8	6682.1	6636.2	5587.1	4188.2	3488.8	2970.5

TEST NUMBER: P935978

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6542.1	6612.6	6894.7	7176.8	6894.7	6612.6	6542.1	5468.4	4036.7	3320.8	2858.8
115°	6222.9	6320.8	6711.8	7102.9	6711.8	6320.8	6222.9	5188.5	3809.4	3119.8	2730.7
117.5°	5782.0	5890.5	6324.2	6757.9	6324.2	5890.5	5782.0	4848.5	3603.7	2981.4	2650.5
120°	5484.9	5590.3	6011.7	6433.3	6011.7	5590.3	5484.9	4631.9	3494.7	2926.1	2623.5
122.5°	5187.9	5291.9	5707.7	6123.4	5707.7	5291.9	5187.9	4419.8	3395.7	2883.7	2609.4
125°	4794.9	4890.7	5273.6	5656.6	5273.6	4890.7	4794.9	4142.5	3272.5	2837.5	2597.7
127.5°	4479.5	4560.2	4883.4	5206.4	4883.4	4560.2	4479.5	3919.3	3172.3	2798.8	2590.9
130°	4280.2	4354.9	4653.3	4951.8	4653.3	4354.9	4280.2	3781.5	3116.5	2784.0	2595.0
132.5°	4110.5	4177.4	4444.6	4711.9	4444.6	4177.4	4110.5	3664.1	3068.7	2771.1	2597.6
135°	3870.6	3928.2	4158.7	4389.1	4158.7	3928.2	3870.6	3496.8	2998.2	2749.0	2595.3
137.5°	3693.6	3740.7	3929.3	4117.8	3929.3	3740.7	3693.6	3377.4	2955.9	2745.2	2611.1
140°	3551.5	3595.5	3771.8	3948.1	3771.8	3595.5	3551.5	3278.4	2914.3	2732.3	2613.8
142.5°	3451.9	3489.8	3641.5	3793.1	3641.5	3489.8	3451.9	3212.0	2892.2	2732.3	2623.3
145°	3302.4	3331.1	3446.0	3560.7	3446.0	3331.1	3302.4	3106.2	2844.6	2713.9	2623.3
147.5°	3177.0	3200.8	3295.9	3391.0	3295.9	3200.8	3177.0	3022.6	2816.8	2713.9	2641.3
150°	3105.0	3124.2	3201.3	3278.4	3201.3	3124.2	3105.0	2974.7	2800.8	2713.9	2650.8
152.5°	3047.8	3062.4	3120.6	3178.8	3120.6	3062.4	3047.8	2936.5	2788.1	2713.9	2656.9
155°	2979.6	2989.3	3027.7	3066.3	3027.7	2989.3	2979.6	2891.1	2772.9	2713.9	2670.4
157.5°	2920.5	2927.3	2954.4	2981.4	2954.4	2927.3	2920.5	2851.6	2759.8	2713.9	2683.9
160°	2891.0	2894.9	2910.5	2926.1	2910.5	2894.9	2891.0	2831.9	2753.2	2713.9	2690.1
162.5°	2863.3	2867.0	2881.8	2896.6	2881.8	2867.0	2863.3	2813.6	2747.1	2713.9	2696.6
165°	2820.8	2824.8	2840.4	2855.9	2840.4	2824.8	2820.8	2785.2	2737.6	2713.9	2706.1
167.5°	2802.4	2804.1	2810.6	2817.2	2810.6	2804.1	2802.4	2779.0	2747.9	2732.3	2725.8
170°	2802.4	2802.4	2802.4	2802.4	2802.4	2802.4	2802.4	2779.0	2747.9	2732.3	2731.9
172.5°	2787.7	2786.2	2780.5	2774.8	2780.5	2786.2	2787.7	2769.3	2744.6	2732.3	2732.3
175°	2767.4	2767.4	2767.4	2767.4	2767.4	2767.4	2767.4	2755.7	2740.1	2732.3	2736.1
177.5°	2763.7	2762.0	2755.5	2749.0	2755.5	2762.0	2763.7	2754.5	2742.2	2736.1	2738.9
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0

TEST NUMBER: P935978

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3088.3	3103.0	3111.9	3123.7	3153.3
5°	2969.9	3026.1	3043.9	3088.3	3141.5
7.5°	2709.6	2881.2	2928.5	3035.0	3117.8
10°	2458.1	2629.8	2712.6	2964.0	3088.3
12.5°	2330.9	2431.5	2487.7	2839.8	3046.8
15°	2251.0	2322.0	2363.4	2674.1	2999.5
17.5°	2188.9	2239.2	2268.8	2511.3	2934.4
20°	2150.5	2174.1	2200.8	2393.0	2860.5
22.5°	2123.8	2109.1	2129.8	2310.2	2759.9
25°	2106.1	2049.9	2073.6	2245.1	2641.6
27.5°	2120.9	1996.6	2005.5	2186.0	2517.3
30°	2123.8	1931.6	1934.5	2123.8	2378.2
32.5°	2103.1	1863.5	1866.5	2046.9	2221.5
35°	2052.9	1783.7	1780.7	1958.2	2008.5
37.5°	1984.8	1697.9	1697.9	1860.6	1774.8
40°	1902.0	1612.1	1621.0	1733.4	1567.7
42.5°	1801.4	1520.4	1532.2	1564.8	1413.9
45°	1692.0	1431.7	1440.5	1322.2	1295.6
47.5°	1570.7	1340.0	1342.9	1097.4	1257.2
50°	1425.8	1245.3	1233.5	940.6	1254.2
52.5°	1298.6	1141.8	1106.3	851.9	1138.8
55°	1174.3	1032.3	955.4	783.9	1056.0
57.5°	1064.9	890.4	816.4	704.0	1038.3
60°	964.3	751.3	695.1	618.2	952.5
62.5°	881.5	647.8	636.0	559.1	863.7
65°	792.7	576.8	573.9	508.8	733.6
67.5°	707.0	529.5	526.5	461.4	559.1
70°	615.3	479.2	473.3	411.2	414.1
72.5°	520.6	423.0	417.1	369.8	343.1
75°	426.0	357.9	355.0	322.4	278.1
77.5°	334.3	284.0	289.9	260.3	204.1
80°	239.6	207.1	213.0	186.4	153.8
82.5°	159.7	136.1	142.0	118.3	103.5
85°	88.7	76.9	79.9	62.1	47.3
87.5°	41.4	35.5	35.5	23.7	14.8
90°	81.1	51.7	48.0	33.2	18.4
92.5°	500.6	356.0	324.7	199.2	73.8
95°	1231.8	693.7	636.3	406.6	177.1
97.5°	1659.2	762.0	711.3	508.8	306.3
100°	1814.8	819.2	773.2	589.5	405.8
102.5°	1886.1	876.4	833.5	662.1	490.7
105°	1939.1	961.3	925.0	779.8	634.7
107.5°	1948.8	1086.7	1052.9	917.6	782.3
110°	1934.1	1156.8	1126.2	1004.0	881.9

TEST NUMBER: P935978

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1934.7	1241.7	1212.6	1096.1	979.7
115°	1952.6	1369.0	1342.1	1234.7	1127.3
117.5°	1988.8	1492.5	1468.2	1370.5	1273.0
120°	2018.3	1564.5	1541.5	1449.7	1357.8
122.5°	2060.8	1649.4	1626.2	1533.5	1440.8
125°	2118.0	1758.2	1737.1	1652.6	1568.2
127.5°	2175.1	1863.3	1842.0	1756.8	1671.5
130°	2216.9	1933.4	1910.5	1818.7	1726.9
132.5°	2250.7	1990.6	1967.7	1875.9	1784.1
135°	2287.7	2057.1	2036.2	1952.5	1868.9
137.5°	2343.0	2142.0	2121.3	2038.5	1955.6
140°	2376.9	2199.2	2180.1	2103.8	2027.6
142.5°	2405.1	2241.6	2223.9	2153.4	2082.9
145°	2442.0	2306.2	2290.8	2229.3	2167.8
147.5°	2496.2	2387.3	2372.3	2312.5	2252.6
150°	2524.5	2429.8	2416.3	2362.2	2308.0
152.5°	2542.9	2457.4	2447.2	2406.2	2365.2
155°	2583.5	2518.3	2510.8	2480.5	2450.1
157.5°	2624.0	2579.2	2571.8	2542.3	2512.8
160°	2642.6	2606.9	2601.2	2578.2	2555.2
162.5°	2662.2	2636.4	2632.0	2614.9	2597.6
165°	2690.5	2678.9	2674.9	2659.3	2643.8
167.5°	2712.7	2702.8	2700.9	2693.7	2686.3
170°	2731.1	2730.5	2728.7	2721.3	2713.9
172.5°	2732.3	2732.3	2731.9	2730.2	2728.7
175°	2743.4	2749.0	2749.0	2749.0	2749.0
177.5°	2744.6	2749.0	2749.0	2749.0	2749.0
180°	2749.0	2749.0	2749.0	2749.0	2749.0

TEST NUMBER: P935978

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-W2A-W-12-3000K

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	10.66	11.37	11.76	12.47	13.99	13.51	14.22	14.61	15.32	16.84
	3H	11.12	11.76	12.23	12.87	14.40	14.85	15.49	15.96	16.60	18.13
	4H	11.31	11.91	12.43	13.02	14.56	15.29	15.90	16.41	17.01	18.54
	6H	11.42	11.98	12.55	13.09	14.64	15.57	16.13	16.70	17.24	18.79
	8H	11.41	11.94	12.55	13.07	14.61	15.64	16.18	16.78	17.30	18.85
	12H	11.38	11.88	12.52	13.00	14.57	15.68	16.19	16.82	17.31	18.87
4H	2H	11.67	12.28	12.80	13.39	14.93	13.90	14.50	15.03	15.61	17.15
	3H	12.69	13.19	13.82	14.33	15.88	15.40	15.90	16.53	17.04	18.59
	4H	12.96	13.42	14.10	14.55	16.12	15.92	16.39	17.06	17.51	19.08
	6H	13.07	13.47	14.22	14.62	16.18	16.28	16.68	17.43	17.83	19.39
	8H	13.08	13.45	14.22	14.59	16.17	16.39	16.76	17.53	17.90	19.48
	12H	13.04	13.37	14.20	14.52	16.11	16.44	16.78	17.60	17.93	19.51
8H	4H	13.40	13.78	14.55	14.91	16.49	16.03	16.41	17.18	17.54	19.12
	6H	13.66	13.97	14.82	15.15	16.72	16.47	16.78	17.63	17.96	19.53
	8H	13.70	13.97	14.87	15.13	16.72	16.62	16.89	17.79	18.05	19.65
	12H	13.68	13.91	14.85	15.07	16.70	16.72	16.95	17.89	18.11	19.74
12H	4H	13.40	13.74	14.56	14.89	16.47	15.99	16.33	17.15	17.48	19.06
	6H	13.72	13.99	14.89	15.15	16.74	16.47	16.73	17.64	17.89	19.49
	8H	13.78	14.01	14.95	15.17	16.80	16.62	16.86	17.80	18.02	19.64