

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: P935980

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935980
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-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

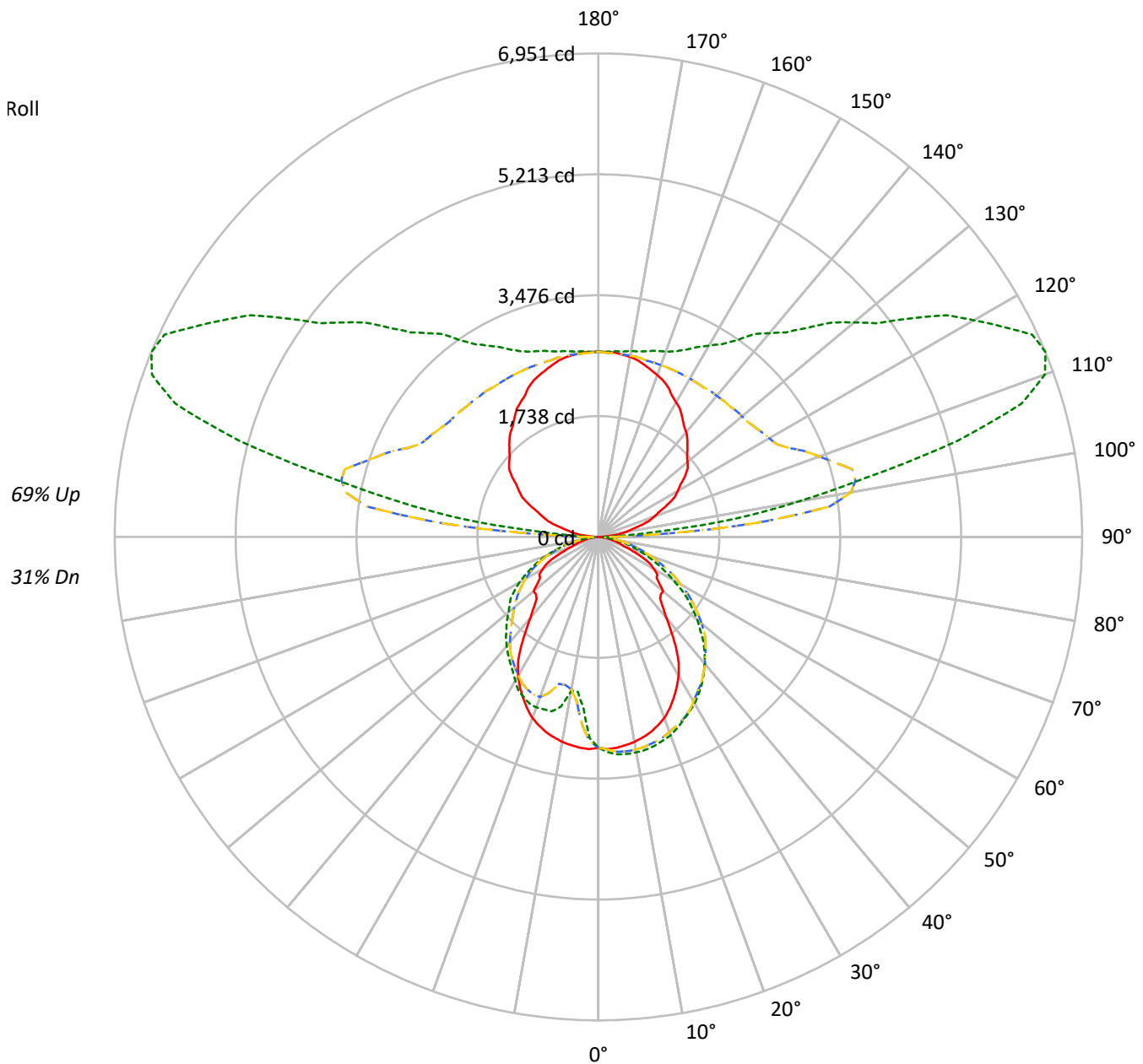
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25122.1 lumens
Efficiency: N/A
Efficacy: 131.7 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

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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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9367	9367	9367	9367
5°	9440	9456	9440	7435
10°	9381	9314	9381	6659
15°	9282	9112	9282	7609
20°	9092	8873	9092	7625
25°	8698	8525	8698	7463
30°	8188	8235	8188	7108
35°	7303	7869	7303	6719
40°	6088	7438	6088	6424
45°	5444	6933	5444	6085
50°	5788	6332	5788	5745
55°	5451	5683	5451	5548
60°	5626	4827	5626	5082
65°	5109	3990	5109	4460
70°	3546	3180	3546	3739
75°	3121	2351	3121	2815
80°	2534	1554	2534	1692
85°	1484	823	1484	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8338 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.4	1.1
10°-20°	776.2	3.1
20°-30°	1199.8	4.8
30°-40°	1432.3	5.7
40°-50°	1440.7	5.7
50°-60°	1253.5	5.0
60°-70°	888.8	3.5
70°-80°	470.2	1.9
80°-90°	127.3	0.5
90°-100°	1297.8	5.2
100°-110°	3412.1	13.6
110°-120°	3538.0	14.1
120°-130°	2837.9	11.3
130°-140°	2226.7	8.9
140°-150°	1709.1	6.8
150°-160°	1230.8	4.9
160°-170°	753.1	3.0
170°-180°	254.4	1.0
0°-30°	2249.3	9.0
0°-40°	3681.6	14.7
0°-60°	6375.8	25.4
0°-90°	7862.1	31.3
90°-120°	8247.9	32.8
90°-150°	15021.7	59.8
90°-180°	17260.0	68.7
0°-180°	25122.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3028	3028	3028	3028	3028	
5°	3043	3137	3043	2467	3043	289
15°	2905	3109	2905	2596	2905	817
25°	2558	2900	2558	2538	2558	1175
35°	1945	2587	1945	2209	1945	1204
45°	1255	2132	1255	1871	1255	1005
55°	1023	1573	1023	1536	1023	940
65°	710	948	710	1060	710	679
75°	269	450	269	539	269	283
85°	46	115	46	97	46	62
90°	18	68	18	68	18	17
95°	172	784	172	784	172	190
105°	615	5343	615	5343	615	652
115°	1092	6880	1092	6880	1092	1078
125°	1519	5479	1519	5479	1519	1348
135°	1810	4251	1810	4251	1810	1401
145°	2100	3449	2100	3449	2100	1315
155°	2373	2970	2373	2970	2373	1090
165°	2561	2766	2561	2766	2561	723
175°	2662	2680	2662	2680	2662	253
180°	2662	2662	2662	2662	2662	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3054.2	3054.2	3071.4	3077.1	3077.1	3068.5	3059.9	3068.5	3094.3	3102.9	3100.0
5°	3042.7	3065.6	3097.2	3102.9	3108.6	3105.8	3100.0	3105.8	3134.4	3140.1	3143.0
7.5°	3019.8	3062.8	3102.9	3111.5	3120.1	3111.5	3108.6	3114.4	3143.0	3148.7	3148.7
10°	2991.2	3051.3	3097.2	3102.9	3111.5	3102.9	3102.9	3114.4	3143.0	3148.7	3151.6
12.5°	2951.0	3034.1	3077.1	3082.8	3094.3	3091.4	3088.6	3100.0	3128.7	3134.4	3134.4
15°	2905.2	3002.6	3042.7	3048.5	3068.5	3062.8	3062.8	3074.2	3105.8	3114.4	3111.5
17.5°	2842.2	2962.5	3008.3	3016.9	3031.3	3028.4	3031.3	3042.7	3071.4	3077.1	3080.0
20°	2770.6	2908.1	2962.5	2971.1	2985.4	2985.4	2985.4	2999.8	3028.4	3039.9	3039.9
22.5°	2673.1	2850.8	2908.1	2913.8	2931.0	2931.0	2936.7	2956.8	2982.6	2985.4	2985.4
25°	2558.5	2787.7	2836.4	2853.6	2870.8	2879.4	2888.0	2899.5	2908.1	2905.2	2908.1
27.5°	2438.1	2707.5	2770.6	2782.0	2804.9	2813.5	2825.0	2827.9	2830.7	2839.3	2833.6
30°	2303.5	2595.8	2690.3	2701.8	2739.0	2744.8	2733.3	2739.0	2753.4	2759.1	2764.8
32.5°	2151.6	2429.5	2607.2	2633.0	2667.4	2650.2	2647.4	2656.0	2678.9	2678.9	2684.6
35°	1945.3	2300.6	2529.9	2552.8	2578.6	2558.5	2570.0	2572.9	2587.2	2595.8	2592.9
37.5°	1719.0	2188.9	2449.6	2466.8	2486.8	2461.0	2478.2	2486.8	2498.3	2492.5	2492.5
40°	1518.4	2014.1	2355.0	2366.5	2383.7	2363.6	2380.8	2386.5	2392.3	2386.5	2383.7
42.5°	1369.5	1822.1	2254.8	2269.1	2257.6	2271.9	2277.7	2289.1	2280.5	2269.1	2269.1
45°	1254.9	1770.6	2145.9	2163.1	2145.9	2168.8	2177.4	2177.4	2151.6	2145.9	2143.0
47.5°	1217.6	1667.4	2037.0	2037.0	2028.4	2057.1	2071.4	2051.3	2025.6	2017.0	2017.0
50°	1214.8	1552.8	1888.0	1876.6	1916.7	1951.1	1936.7	1916.7	1896.6	1865.1	1865.1
52.5°	1103.0	1412.4	1696.1	1739.1	1802.1	1822.1	1799.2	1779.2	1744.8	1730.5	1719.0
55°	1022.8	1266.3	1521.3	1607.3	1673.2	1698.9	1656.0	1635.9	1584.3	1575.8	1570.0
57.5°	1005.6	1054.3	1360.9	1469.7	1550.0	1547.1	1521.3	1484.1	1441.1	1432.5	1429.6
60°	922.5	762.1	1189.0	1317.9	1401.0	1392.4	1369.5	1335.1	1295.0	1289.2	1283.5
62.5°	836.6	552.9	994.2	1140.3	1257.7	1254.9	1234.8	1183.2	1154.6	1140.3	1128.8
65°	710.5	464.1	707.7	948.3	1117.4	1123.1	1080.1	1042.9	1011.3	994.2	991.3
67.5°	541.5	378.2	478.5	790.7	982.7	977.0	922.5	905.3	865.2	856.6	839.4
70°	401.1	252.1	332.3	641.8	850.9	836.6	793.6	773.6	736.3	716.2	704.8
72.5°	332.3	203.4	243.5	498.5	716.2	699.1	661.8	638.9	607.4	590.2	578.7
75°	269.3	214.9	186.2	369.6	581.6	570.1	535.8	512.8	487.0	464.1	467.0
77.5°	197.7	200.5	149.0	272.2	461.3	444.1	424.0	395.4	383.9	361.0	361.0
80°	149.0	157.6	111.7	186.2	332.3	332.3	315.2	295.1	275.0	263.6	263.6
82.5°	100.3	100.3	83.1	117.5	226.3	217.7	206.3	200.5	189.1	183.4	183.4
85°	45.8	57.3	51.6	71.6	123.2	128.9	128.9	123.2	120.3	114.6	117.5
87.5°	14.3	25.8	31.5	40.1	63.0	65.9	68.8	68.8	68.8	71.6	71.6
90°	17.9	32.2	46.5	50.0	78.6	116.7	135.8	120.7	90.5	67.9	67.9
92.5°	71.4	192.9	314.5	344.9	484.9	671.5	764.8	670.2	481.2	339.5	326.0
95°	171.5	393.8	616.3	671.8	1193.1	1888.0	2235.5	1994.8	1513.6	1152.6	1111.7
97.5°	296.6	492.8	688.9	738.0	1607.1	2765.8	3345.1	3193.0	2888.9	2660.7	2582.9
100°	393.1	571.0	748.9	793.4	1757.8	3043.5	3686.4	3697.5	3719.7	3736.4	3643.7
102.5°	475.3	641.3	807.3	848.8	1826.8	3130.9	3782.9	3976.7	4364.3	4655.0	4575.5
105°	614.7	755.3	895.9	931.0	1878.1	3140.8	3772.2	4206.6	5075.4	5727.0	5684.4
107.5°	757.7	888.7	1019.7	1052.5	1887.6	3001.0	3557.8	4163.7	5375.6	6284.6	6294.9
110°	854.2	972.5	1090.8	1120.4	1873.3	2877.1	3379.1	4056.6	5411.4	6427.5	6472.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	948.9	1061.7	1174.5	1202.6	1873.9	2768.9	3216.4	3909.8	5296.4	6336.4	6404.7
115°	1091.9	1195.9	1299.9	1325.9	1891.2	2644.9	3021.7	3689.6	5025.4	6027.3	6122.0
117.5°	1233.0	1327.4	1422.0	1445.6	1926.2	2567.1	2887.6	3490.4	4696.0	5600.2	5705.3
120°	1315.1	1404.1	1493.0	1515.3	1954.9	2541.0	2834.1	3384.8	4486.3	5312.5	5414.6
122.5°	1395.5	1485.3	1575.1	1597.5	1996.0	2527.3	2793.0	3288.9	4280.9	5024.8	5125.5
125°	1518.9	1600.7	1682.5	1703.0	2051.4	2516.0	2748.3	3169.6	4012.2	4644.2	4736.9
127.5°	1618.9	1701.5	1784.1	1804.8	2106.7	2509.5	2710.8	3072.5	3796.0	4338.7	4416.9
130°	1672.6	1761.5	1850.4	1872.7	2147.2	2513.4	2696.4	3018.5	3662.6	4145.7	4217.9
132.5°	1728.0	1816.9	1905.8	1928.0	2180.0	2515.9	2683.9	2972.2	3548.9	3981.3	4046.0
135°	1810.1	1891.1	1972.2	1992.4	2215.8	2513.7	2662.5	2904.0	3386.8	3748.9	3804.7
137.5°	1894.1	1974.4	2054.6	2074.6	2269.4	2529.0	2658.9	2863.0	3271.3	3577.4	3623.1
140°	1963.9	2037.7	2111.6	2130.0	2302.1	2531.6	2646.4	2822.7	3175.4	3439.8	3482.5
142.5°	2017.4	2085.7	2154.0	2171.1	2329.5	2540.8	2646.4	2801.3	3111.0	3343.4	3380.1
145°	2099.7	2159.3	2218.8	2233.6	2365.2	2540.8	2628.5	2755.2	3008.5	3198.6	3226.4
147.5°	2181.8	2239.8	2297.7	2312.2	2417.7	2558.3	2628.5	2728.2	2927.6	3077.1	3100.1
150°	2235.5	2287.9	2340.3	2353.4	2445.1	2567.4	2628.5	2712.8	2881.1	3007.4	3026.0
152.5°	2290.9	2330.6	2370.2	2380.1	2462.9	2573.3	2628.5	2700.5	2844.2	2952.0	2966.1
155°	2373.1	2402.5	2431.8	2439.2	2502.3	2586.4	2628.5	2685.7	2800.2	2885.9	2895.3
157.5°	2433.8	2462.4	2490.9	2498.1	2541.5	2599.5	2628.5	2673.0	2762.0	2828.7	2835.3
160°	2474.9	2497.1	2519.4	2524.9	2559.5	2605.5	2628.5	2666.6	2742.9	2800.1	2803.9
162.5°	2515.9	2532.7	2549.3	2553.5	2578.5	2611.8	2628.5	2660.7	2725.1	2773.3	2776.9
165°	2560.6	2575.7	2590.8	2594.6	2605.9	2621.0	2628.5	2651.6	2697.6	2732.2	2736.0
167.5°	2601.8	2609.0	2616.0	2617.8	2627.4	2640.1	2646.4	2661.5	2691.7	2714.3	2715.9
170°	2628.5	2635.7	2642.9	2644.7	2645.3	2646.0	2646.4	2661.5	2691.7	2714.3	2714.3
172.5°	2642.9	2644.4	2646.0	2646.4	2646.4	2646.4	2646.4	2658.3	2682.2	2700.1	2698.6
175°	2662.5	2662.5	2662.5	2662.5	2657.2	2650.0	2646.4	2653.9	2669.0	2680.4	2680.4
177.5°	2662.5	2662.5	2662.5	2662.5	2658.3	2652.8	2650.0	2656.0	2667.9	2676.8	2675.1
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3105.8	3097.2	3105.8	3100.0	3102.9	3094.3	3068.5	3059.9	3068.5	3077.1	3077.1
5°	3143.0	3137.3	3143.0	3143.0	3140.1	3134.4	3105.8	3100.0	3105.8	3108.6	3102.9
7.5°	3154.5	3145.9	3154.5	3148.7	3148.7	3143.0	3114.4	3108.6	3111.5	3120.1	3111.5
10°	3154.5	3145.9	3154.5	3151.6	3148.7	3143.0	3114.4	3102.9	3102.9	3111.5	3102.9
12.5°	3140.1	3134.4	3140.1	3134.4	3134.4	3128.7	3100.0	3088.6	3091.4	3094.3	3082.8
15°	3117.2	3108.6	3117.2	3111.5	3114.4	3105.8	3074.2	3062.8	3062.8	3068.5	3048.5
17.5°	3082.8	3071.4	3082.8	3080.0	3077.1	3071.4	3042.7	3031.3	3028.4	3031.3	3016.9
20°	3042.7	3034.1	3042.7	3039.9	3039.9	3028.4	2999.8	2985.4	2985.4	2985.4	2971.1
22.5°	2979.7	2971.1	2979.7	2985.4	2985.4	2982.6	2956.8	2936.7	2931.0	2931.0	2913.8
25°	2908.1	2899.5	2908.1	2908.1	2905.2	2908.1	2899.5	2888.0	2879.4	2870.8	2853.6
27.5°	2839.3	2833.6	2839.3	2833.6	2839.3	2830.7	2827.9	2825.0	2813.5	2804.9	2782.0
30°	2770.6	2764.8	2770.6	2764.8	2759.1	2753.4	2739.0	2733.3	2744.8	2739.0	2701.8
32.5°	2684.6	2678.9	2684.6	2684.6	2678.9	2678.9	2656.0	2647.4	2650.2	2667.4	2633.0
35°	2595.8	2587.2	2595.8	2592.9	2595.8	2587.2	2572.9	2570.0	2558.5	2578.6	2552.8
37.5°	2492.5	2484.0	2492.5	2492.5	2492.5	2498.3	2486.8	2478.2	2461.0	2486.8	2466.8
40°	2386.5	2375.1	2386.5	2383.7	2386.5	2392.3	2386.5	2380.8	2363.6	2383.7	2366.5
42.5°	2266.2	2263.4	2266.2	2269.1	2269.1	2280.5	2289.1	2277.7	2271.9	2257.6	2269.1
45°	2137.3	2131.6	2137.3	2143.0	2145.9	2151.6	2177.4	2177.4	2168.8	2145.9	2163.1
47.5°	1999.8	1985.4	1999.8	2017.0	2017.0	2025.6	2051.3	2071.4	2057.1	2028.4	2037.0
50°	1853.7	1856.5	1853.7	1865.1	1865.1	1896.6	1916.7	1936.7	1951.1	1916.7	1876.6
52.5°	1710.4	1707.5	1710.4	1719.0	1730.5	1744.8	1779.2	1799.2	1822.1	1802.1	1739.1
55°	1567.2	1572.9	1567.2	1570.0	1575.8	1584.3	1635.9	1656.0	1698.9	1673.2	1607.3
57.5°	1423.9	1415.3	1423.9	1429.6	1432.5	1441.1	1484.1	1521.3	1547.1	1550.0	1469.7
60°	1257.7	1246.3	1257.7	1283.5	1289.2	1295.0	1335.1	1369.5	1392.4	1401.0	1317.9
62.5°	1111.6	1091.6	1111.6	1128.8	1140.3	1154.6	1183.2	1234.8	1254.9	1257.7	1140.3
65°	956.9	948.3	956.9	991.3	994.2	1011.3	1042.9	1080.1	1123.1	1117.4	948.3
67.5°	816.5	816.5	816.5	839.4	856.6	865.2	905.3	922.5	977.0	982.7	790.7
70°	687.6	684.7	687.6	704.8	716.2	736.3	773.6	793.6	836.6	850.9	641.8
72.5°	564.4	561.5	564.4	578.7	590.2	607.4	638.9	661.8	699.1	716.2	498.5
75°	455.5	449.8	455.5	467.0	464.1	487.0	512.8	535.8	570.1	581.6	369.6
77.5°	349.5	349.5	349.5	361.0	361.0	383.9	395.4	424.0	444.1	461.3	272.2
80°	260.7	257.8	260.7	263.6	263.6	275.0	295.1	315.2	332.3	332.3	186.2
82.5°	183.4	177.6	183.4	183.4	183.4	189.1	200.5	206.3	217.7	226.3	117.5
85°	114.6	114.6	114.6	117.5	114.6	120.3	123.2	128.9	128.9	123.2	71.6
87.5°	74.5	71.6	74.5	71.6	71.6	68.8	68.8	68.8	65.9	63.0	40.1
90°	67.9	67.9	67.9	67.9	67.9	90.5	120.7	135.8	116.7	78.6	50.0
92.5°	272.0	218.0	272.0	326.0	339.5	481.2	670.2	764.8	671.5	484.9	344.9
95°	948.0	784.4	948.0	1111.7	1152.6	1513.6	1994.8	2235.5	1888.0	1193.1	671.8
97.5°	2271.6	1960.2	2271.6	2582.9	2660.7	2888.9	3193.0	3345.1	2765.8	1607.1	738.0
100°	3272.9	2902.0	3272.9	3643.7	3736.4	3719.7	3697.5	3686.4	3043.5	1757.8	793.4
102.5°	4257.9	3940.1	4257.9	4575.5	4655.0	4364.3	3976.7	3782.9	3130.9	1826.8	848.8
105°	5513.7	5342.9	5513.7	5684.4	5727.0	5075.4	4206.6	3772.2	3140.8	1878.1	931.0
107.5°	6336.2	6377.5	6336.2	6294.9	6284.6	5375.6	4163.7	3557.8	3001.0	1887.6	1052.5
110°	6650.0	6827.9	6650.0	6472.0	6427.5	5411.4	4056.6	3379.1	2877.1	1873.3	1120.4



TEST NUMBER: P935980

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6677.9	6951.2	6677.9	6404.7	6336.4	5296.4	3909.8	3216.4	2768.9	1873.9	1202.6
115°	6500.8	6879.6	6500.8	6122.0	6027.3	5025.4	3689.6	3021.7	2644.9	1891.2	1325.9
117.5°	6125.4	6545.5	6125.4	5705.3	5600.2	4696.0	3490.4	2887.6	2567.1	1926.2	1445.6
120°	5822.7	6231.0	5822.7	5414.6	5312.5	4486.3	3384.8	2834.1	2541.0	1954.9	1515.3
122.5°	5528.2	5930.8	5528.2	5125.5	5024.8	4280.9	3288.9	2793.0	2527.3	1996.0	1597.5
125°	5107.8	5478.7	5107.8	4736.9	4644.2	4012.2	3169.6	2748.3	2516.0	2051.4	1703.0
127.5°	4729.8	5042.7	4729.8	4416.9	4338.7	3796.0	3072.5	2710.8	2509.5	2106.7	1804.8
130°	4507.0	4796.1	4507.0	4217.9	4145.7	3662.6	3018.5	2696.4	2513.4	2147.2	1872.7
132.5°	4304.9	4563.8	4304.9	4046.0	3981.3	3548.9	2972.2	2683.9	2515.9	2180.0	1928.0
135°	4027.9	4251.1	4027.9	3804.7	3748.9	3386.8	2904.0	2662.5	2513.7	2215.8	1992.4
137.5°	3805.8	3988.4	3805.8	3623.1	3577.4	3271.3	2863.0	2658.9	2529.0	2269.4	2074.6
140°	3653.3	3824.0	3653.3	3482.5	3439.8	3175.4	2822.7	2646.4	2531.6	2302.1	2130.0
142.5°	3527.0	3673.9	3527.0	3380.1	3343.4	3111.0	2801.3	2646.4	2540.8	2329.5	2171.1
145°	3337.6	3448.8	3337.6	3226.4	3198.6	3008.5	2755.2	2628.5	2540.8	2365.2	2233.6
147.5°	3192.3	3284.3	3192.3	3100.1	3077.1	2927.6	2728.2	2628.5	2558.3	2417.7	2312.2
150°	3100.7	3175.4	3100.7	3026.0	3007.4	2881.1	2712.8	2628.5	2567.4	2445.1	2353.4
152.5°	3022.5	3078.8	3022.5	2966.1	2952.0	2844.2	2700.5	2628.5	2573.3	2462.9	2380.1
155°	2932.5	2969.9	2932.5	2895.3	2885.9	2800.2	2685.7	2628.5	2586.4	2502.3	2439.2
157.5°	2861.5	2887.6	2861.5	2835.3	2828.7	2762.0	2673.0	2628.5	2599.5	2541.5	2498.1
160°	2819.0	2834.1	2819.0	2803.9	2800.1	2742.9	2666.6	2628.5	2605.5	2559.5	2524.9
162.5°	2791.2	2805.5	2791.2	2776.9	2773.3	2725.1	2660.7	2628.5	2611.8	2578.5	2553.5
165°	2751.1	2766.2	2751.1	2736.0	2732.2	2697.6	2651.6	2628.5	2621.0	2605.9	2594.6
167.5°	2722.2	2728.6	2722.2	2715.9	2714.3	2691.7	2661.5	2646.4	2640.1	2627.4	2617.8
170°	2714.3	2714.3	2714.3	2714.3	2714.3	2691.7	2661.5	2646.4	2646.0	2645.3	2644.7
172.5°	2693.1	2687.6	2693.1	2698.6	2700.1	2682.2	2658.3	2646.4	2646.4	2646.4	2646.4
175°	2680.4	2680.4	2680.4	2680.4	2680.4	2669.0	2653.9	2646.4	2650.0	2657.2	2662.5
177.5°	2668.8	2662.5	2668.8	2675.1	2676.8	2667.9	2656.0	2650.0	2652.8	2658.3	2662.5
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



TEST NUMBER: P935980

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	3071.4	3054.2	3054.2	3025.5	3014.1	3005.5	2991.2	2948.2	2936.7	2925.3	2942.5
5°	3097.2	3065.6	3042.7	2991.2	2948.2	2931.0	2876.6	2773.4	2704.7	2653.1	2624.4
7.5°	3102.9	3062.8	3019.8	2939.6	2836.4	2790.6	2624.4	2435.2	2383.7	2337.8	2309.2
10°	3097.2	3051.3	2991.2	2870.8	2627.3	2547.1	2380.8	2257.6	2226.1	2217.5	2226.1
12.5°	3077.1	3034.1	2951.0	2750.5	2409.5	2355.0	2257.6	2186.0	2180.3	2194.6	2271.9
15°	3042.7	3002.6	2905.2	2590.1	2289.1	2249.0	2180.3	2154.5	2186.0	2286.3	2518.3
17.5°	3008.3	2962.5	2842.2	2432.4	2197.5	2168.8	2120.1	2171.7	2349.3	2484.0	2561.4
20°	2962.5	2908.1	2770.6	2317.8	2131.6	2105.8	2082.9	2314.9	2449.6	2498.3	2541.4
22.5°	2908.1	2850.8	2673.1	2237.6	2062.8	2042.7	2057.1	2395.1	2449.6	2484.0	2521.2
25°	2836.4	2787.7	2558.5	2174.5	2008.4	1985.4	2039.9	2386.5	2418.1	2426.7	2501.1
27.5°	2770.6	2707.5	2438.1	2117.2	1942.5	1933.9	2054.2	2349.3	2372.2	2380.8	2461.0
30°	2690.3	2595.8	2303.5	2057.1	1873.7	1870.8	2057.1	2303.5	2297.7	2320.6	2400.9
32.5°	2607.2	2429.5	2151.6	1982.6	1807.8	1805.0	2037.0	2234.7	2229.0	2260.5	2320.6
35°	2529.9	2300.6	1945.3	1896.6	1724.7	1727.6	1988.3	2154.5	2157.3	2186.0	2223.2
37.5°	2449.6	2188.9	1719.0	1802.1	1644.5	1644.5	1922.4	2080.0	2074.3	2082.9	2134.4
40°	2355.0	2014.1	1518.4	1678.9	1570.0	1561.4	1842.2	1999.8	1979.7	1976.8	2048.5
42.5°	2254.8	1822.1	1369.5	1515.6	1484.1	1472.6	1744.8	1902.4	1865.1	1873.7	1965.4
45°	2145.9	1770.6	1254.9	1280.7	1395.3	1386.7	1638.8	1790.6	1764.8	1787.8	1882.3
47.5°	2037.0	1667.4	1217.6	1062.9	1300.7	1297.8	1521.3	1681.8	1667.4	1690.4	1790.6
50°	1888.0	1552.8	1214.8	911.1	1194.7	1206.2	1380.9	1575.8	1575.8	1595.8	1701.8
52.5°	1696.1	1412.4	1103.0	825.1	1071.5	1105.9	1257.7	1484.1	1489.8	1509.9	1604.4
55°	1521.3	1266.3	1022.8	759.2	925.4	999.9	1137.4	1389.5	1401.0	1421.0	1507.0
57.5°	1360.9	1054.3	1005.6	681.9	790.7	862.4	1031.4	1297.8	1303.6	1320.8	1403.8
60°	1189.0	762.1	922.5	598.8	673.3	727.7	934.0	1189.0	1209.0	1220.5	1292.1
62.5°	994.2	552.9	836.6	541.5	616.0	627.4	853.8	1085.8	1111.6	1120.2	1163.2
65°	707.7	464.1	710.5	492.8	555.8	558.7	767.8	979.8	1002.8	1017.1	1048.6
67.5°	478.5	378.2	541.5	446.9	510.0	512.8	684.7	856.6	888.2	899.6	919.7
70°	332.3	252.1	401.1	398.2	458.4	464.1	595.9	744.9	773.6	782.1	793.6
72.5°	243.5	203.4	332.3	358.1	404.0	409.7	504.2	618.8	647.5	656.1	661.8
75°	186.2	214.9	269.3	312.3	343.8	346.7	412.6	504.2	524.3	530.0	532.9
77.5°	149.0	200.5	197.7	252.1	280.8	275.0	323.7	389.6	406.8	406.8	406.8
80°	111.7	157.6	149.0	180.5	206.3	200.5	232.1	277.9	283.6	289.4	286.5
82.5°	83.1	100.3	100.3	114.6	137.5	131.8	154.7	180.5	180.5	180.5	186.2
85°	51.6	57.3	45.8	60.2	77.4	74.5	86.0	97.4	100.3	100.3	94.5
87.5°	31.5	25.8	14.3	22.9	34.4	34.4	40.1	43.0	40.1	40.1	40.1
90°	46.5	32.2	17.9	32.2	46.5	50.0	78.6	116.7	135.8	120.7	90.5
92.5°	314.5	192.9	71.4	192.9	314.5	344.9	484.9	671.5	764.8	670.2	481.2
95°	616.3	393.8	171.5	393.8	616.3	671.8	1193.1	1888.0	2235.5	1994.8	1513.6
97.5°	688.9	492.8	296.6	492.8	688.9	738.0	1607.1	2765.8	3345.1	3193.0	2888.9
100°	748.9	571.0	393.1	571.0	748.9	793.4	1757.8	3043.5	3686.4	3697.5	3719.7
102.5°	807.3	641.3	475.3	641.3	807.3	848.8	1826.8	3130.9	3782.9	3976.7	4364.3
105°	895.9	755.3	614.7	755.3	895.9	931.0	1878.1	3140.8	3772.2	4206.6	5075.4
107.5°	1019.7	888.7	757.7	888.7	1019.7	1052.5	1887.6	3001.0	3557.8	4163.7	5375.6
110°	1090.8	972.5	854.2	972.5	1090.8	1120.4	1873.3	2877.1	3379.1	4056.6	5411.4



TEST NUMBER: P935980

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1174.5	1061.7	948.9	1061.7	1174.5	1202.6	1873.9	2768.9	3216.4	3909.8	5296.4
115°	1299.9	1195.9	1091.9	1195.9	1299.9	1325.9	1891.2	2644.9	3021.7	3689.6	5025.4
117.5°	1422.0	1327.4	1233.0	1327.4	1422.0	1445.6	1926.2	2567.1	2887.6	3490.4	4696.0
120°	1493.0	1404.1	1315.1	1404.1	1493.0	1515.3	1954.9	2541.0	2834.1	3384.8	4486.3
122.5°	1575.1	1485.3	1395.5	1485.3	1575.1	1597.5	1996.0	2527.3	2793.0	3288.9	4280.9
125°	1682.5	1600.7	1518.9	1600.7	1682.5	1703.0	2051.4	2516.0	2748.3	3169.6	4012.2
127.5°	1784.1	1701.5	1618.9	1701.5	1784.1	1804.8	2106.7	2509.5	2710.8	3072.5	3796.0
130°	1850.4	1761.5	1672.6	1761.5	1850.4	1872.7	2147.2	2513.4	2696.4	3018.5	3662.6
132.5°	1905.8	1816.9	1728.0	1816.9	1905.8	1928.0	2180.0	2515.9	2683.9	2972.2	3548.9
135°	1972.2	1891.1	1810.1	1891.1	1972.2	1992.4	2215.8	2513.7	2662.5	2904.0	3386.8
137.5°	2054.6	1974.4	1894.1	1974.4	2054.6	2074.6	2269.4	2529.0	2658.9	2863.0	3271.3
140°	2111.6	2037.7	1963.9	2037.7	2111.6	2130.0	2302.1	2531.6	2646.4	2822.7	3175.4
142.5°	2154.0	2085.7	2017.4	2085.7	2154.0	2171.1	2329.5	2540.8	2646.4	2801.3	3111.0
145°	2218.8	2159.3	2099.7	2159.3	2218.8	2233.6	2365.2	2540.8	2628.5	2755.2	3008.5
147.5°	2297.7	2239.8	2181.8	2239.8	2297.7	2312.2	2417.7	2558.3	2628.5	2728.2	2927.6
150°	2340.3	2287.9	2235.5	2287.9	2340.3	2353.4	2445.1	2567.4	2628.5	2712.8	2881.1
152.5°	2370.2	2330.6	2290.9	2330.6	2370.2	2380.1	2462.9	2573.3	2628.5	2700.5	2844.2
155°	2431.8	2402.5	2373.1	2402.5	2431.8	2439.2	2502.3	2586.4	2628.5	2685.7	2800.2
157.5°	2490.9	2462.4	2433.8	2462.4	2490.9	2498.1	2541.5	2599.5	2628.5	2673.0	2762.0
160°	2519.4	2497.1	2474.9	2497.1	2519.4	2524.9	2559.5	2605.5	2628.5	2666.6	2742.9
162.5°	2549.3	2532.7	2515.9	2532.7	2549.3	2553.5	2578.5	2611.8	2628.5	2660.7	2725.1
165°	2590.8	2575.7	2560.6	2575.7	2590.8	2594.6	2605.9	2621.0	2628.5	2651.6	2697.6
167.5°	2616.0	2609.0	2601.8	2609.0	2616.0	2617.8	2627.4	2640.1	2646.4	2661.5	2691.7
170°	2642.9	2635.7	2628.5	2635.7	2642.9	2644.7	2645.3	2646.0	2646.4	2661.5	2691.7
172.5°	2646.0	2644.4	2642.9	2644.4	2646.0	2646.4	2646.4	2646.4	2646.4	2658.3	2682.2
175°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2657.2	2650.0	2646.4	2653.9	2669.0
177.5°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2658.3	2652.8	2650.0	2656.0	2667.9
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



TEST NUMBER: P935980
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	2922.4	2913.8	2925.3	2893.7	2925.3	2913.8	2922.4	2942.5	2925.3	2936.7	2948.2
5°	2564.3	2549.9	2504.0	2466.8	2504.0	2549.9	2564.3	2624.4	2653.1	2704.7	2773.4
7.5°	2292.0	2280.5	2269.1	2246.2	2269.1	2280.5	2292.0	2309.2	2337.8	2383.7	2435.2
10°	2231.8	2234.7	2251.9	2249.0	2251.9	2234.7	2231.8	2226.1	2217.5	2226.1	2257.6
12.5°	2386.5	2412.3	2506.9	2501.1	2506.9	2412.3	2386.5	2271.9	2194.6	2180.3	2186.0
15°	2564.3	2572.9	2592.9	2595.8	2592.9	2572.9	2564.3	2518.3	2286.3	2186.0	2154.5
17.5°	2581.5	2584.3	2598.7	2598.7	2598.7	2584.3	2581.5	2561.4	2484.0	2349.3	2171.7
20°	2567.1	2572.9	2601.5	2607.2	2601.5	2572.9	2567.1	2541.4	2498.3	2449.6	2314.9
22.5°	2561.4	2572.9	2595.8	2592.9	2595.8	2572.9	2561.4	2521.2	2484.0	2449.6	2395.1
25°	2532.8	2532.8	2535.6	2538.5	2535.6	2532.8	2532.8	2501.1	2426.7	2418.1	2386.5
27.5°	2472.5	2478.2	2495.4	2492.5	2495.4	2478.2	2472.5	2461.0	2380.8	2372.2	2349.3
30°	2418.1	2412.3	2398.0	2386.5	2398.0	2412.3	2418.1	2400.9	2320.6	2297.7	2303.5
32.5°	2326.4	2312.1	2297.7	2289.1	2297.7	2312.1	2326.4	2320.6	2260.5	2229.0	2234.7
35°	2217.5	2220.4	2217.5	2208.9	2217.5	2220.4	2217.5	2223.2	2186.0	2157.3	2154.5
37.5°	2140.2	2145.9	2143.0	2131.6	2143.0	2145.9	2140.2	2134.4	2082.9	2074.3	2080.0
40°	2059.9	2062.8	2059.9	2051.3	2059.9	2062.8	2059.9	2048.5	1976.8	1979.7	1999.8
42.5°	1982.6	1979.7	1971.1	1965.4	1971.1	1979.7	1982.6	1965.4	1873.7	1865.1	1902.4
45°	1893.8	1896.6	1879.4	1870.8	1879.4	1896.6	1893.8	1882.3	1787.8	1764.8	1790.6
47.5°	1805.0	1805.0	1790.6	1782.0	1790.6	1805.0	1805.0	1790.6	1690.4	1667.4	1681.8
50°	1710.4	1707.5	1687.5	1684.6	1687.5	1707.5	1710.4	1701.8	1595.8	1575.8	1575.8
52.5°	1601.5	1601.5	1604.4	1610.1	1604.4	1601.5	1601.5	1604.4	1509.9	1489.8	1484.1
55°	1507.0	1509.9	1529.9	1535.6	1529.9	1509.9	1507.0	1507.0	1421.0	1401.0	1389.5
57.5°	1409.6	1409.6	1423.9	1423.9	1423.9	1409.6	1409.6	1403.8	1320.8	1303.6	1297.8
60°	1297.8	1303.6	1315.0	1312.2	1315.0	1303.6	1297.8	1292.1	1220.5	1209.0	1189.0
62.5°	1180.4	1186.1	1189.0	1183.2	1189.0	1186.1	1180.4	1163.2	1120.2	1111.6	1085.8
65°	1057.2	1062.9	1065.8	1060.0	1065.8	1062.9	1057.2	1048.6	1017.1	1002.8	979.8
67.5°	931.1	928.3	925.4	936.9	925.4	928.3	931.1	919.7	899.6	888.2	856.6
70°	802.2	802.2	799.3	805.1	799.3	802.2	802.2	793.6	782.1	773.6	744.9
72.5°	664.7	661.8	673.3	664.7	673.3	661.8	664.7	661.8	656.1	647.5	618.8
75°	530.0	535.8	530.0	538.6	530.0	535.8	530.0	532.9	530.0	524.3	504.2
77.5°	404.0	409.7	404.0	404.0	404.0	409.7	404.0	406.8	406.8	406.8	389.6
80°	286.5	283.6	283.6	280.8	283.6	283.6	286.5	286.5	289.4	283.6	277.9
82.5°	183.4	180.5	180.5	186.2	180.5	180.5	183.4	186.2	180.5	180.5	180.5
85°	100.3	103.1	97.4	97.4	97.4	103.1	100.3	94.5	100.3	100.3	97.4
87.5°	37.2	34.4	34.4	34.4	34.4	34.4	37.2	40.1	40.1	40.1	43.0
90°	67.9	67.9	67.9	67.9	67.9	67.9	67.9	90.5	120.7	135.8	116.7
92.5°	339.5	326.0	272.0	218.0	272.0	326.0	339.5	481.2	670.2	764.8	671.5
95°	1152.6	1111.7	948.0	784.4	948.0	1111.7	1152.6	1513.6	1994.8	2235.5	1888.0
97.5°	2660.7	2582.9	2271.6	1960.2	2271.6	2582.9	2660.7	2888.9	3193.0	3345.1	2765.8
100°	3736.4	3643.7	3272.9	2902.0	3272.9	3643.7	3736.4	3719.7	3697.5	3686.4	3043.5
102.5°	4655.0	4575.5	4257.9	3940.1	4257.9	4575.5	4655.0	4364.3	3976.7	3782.9	3130.9
105°	5727.0	5684.4	5513.7	5342.9	5513.7	5684.4	5727.0	5075.4	4206.6	3772.2	3140.8
107.5°	6284.6	6294.9	6336.2	6377.5	6336.2	6294.9	6284.6	5375.6	4163.7	3557.8	3001.0
110°	6427.5	6472.0	6650.0	6827.9	6650.0	6472.0	6427.5	5411.4	4056.6	3379.1	2877.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6336.4	6404.7	6677.9	6951.2	6677.9	6404.7	6336.4	5296.4	3909.8	3216.4	2768.9
115°	6027.3	6122.0	6500.8	6879.6	6500.8	6122.0	6027.3	5025.4	3689.6	3021.7	2644.9
117.5°	5600.2	5705.3	6125.4	6545.5	6125.4	5705.3	5600.2	4696.0	3490.4	2887.6	2567.1
120°	5312.5	5414.6	5822.7	6231.0	5822.7	5414.6	5312.5	4486.3	3384.8	2834.1	2541.0
122.5°	5024.8	5125.5	5528.2	5930.8	5528.2	5125.5	5024.8	4280.9	3288.9	2793.0	2527.3
125°	4644.2	4736.9	5107.8	5478.7	5107.8	4736.9	4644.2	4012.2	3169.6	2748.3	2516.0
127.5°	4338.7	4416.9	4729.8	5042.7	4729.8	4416.9	4338.7	3796.0	3072.5	2710.8	2509.5
130°	4145.7	4217.9	4507.0	4796.1	4507.0	4217.9	4145.7	3662.6	3018.5	2696.4	2513.4
132.5°	3981.3	4046.0	4304.9	4563.8	4304.9	4046.0	3981.3	3548.9	2972.2	2683.9	2515.9
135°	3748.9	3804.7	4027.9	4251.1	4027.9	3804.7	3748.9	3386.8	2904.0	2662.5	2513.7
137.5°	3577.4	3623.1	3805.8	3988.4	3805.8	3623.1	3577.4	3271.3	2863.0	2658.9	2529.0
140°	3439.8	3482.5	3653.3	3824.0	3653.3	3482.5	3439.8	3175.4	2822.7	2646.4	2531.6
142.5°	3343.4	3380.1	3527.0	3673.9	3527.0	3380.1	3343.4	3111.0	2801.3	2646.4	2540.8
145°	3198.6	3226.4	3337.6	3448.8	3337.6	3226.4	3198.6	3008.5	2755.2	2628.5	2540.8
147.5°	3077.1	3100.1	3192.3	3284.3	3192.3	3100.1	3077.1	2927.6	2728.2	2628.5	2558.3
150°	3007.4	3026.0	3100.7	3175.4	3100.7	3026.0	3007.4	2881.1	2712.8	2628.5	2567.4
152.5°	2952.0	2966.1	3022.5	3078.8	3022.5	2966.1	2952.0	2844.2	2700.5	2628.5	2573.3
155°	2885.9	2895.3	2932.5	2969.9	2932.5	2895.3	2885.9	2800.2	2685.7	2628.5	2586.4
157.5°	2828.7	2835.3	2861.5	2887.6	2861.5	2835.3	2828.7	2762.0	2673.0	2628.5	2599.5
160°	2800.1	2803.9	2819.0	2834.1	2819.0	2803.9	2800.1	2742.9	2666.6	2628.5	2605.5
162.5°	2773.3	2776.9	2791.2	2805.5	2791.2	2776.9	2773.3	2725.1	2660.7	2628.5	2611.8
165°	2732.2	2736.0	2751.1	2766.2	2751.1	2736.0	2732.2	2697.6	2651.6	2628.5	2621.0
167.5°	2714.3	2715.9	2722.2	2728.6	2722.2	2715.9	2714.3	2691.7	2661.5	2646.4	2640.1
170°	2714.3	2714.3	2714.3	2714.3	2714.3	2714.3	2714.3	2691.7	2661.5	2646.4	2646.0
172.5°	2700.1	2698.6	2693.1	2687.6	2693.1	2698.6	2700.1	2682.2	2658.3	2646.4	2646.4
175°	2680.4	2680.4	2680.4	2680.4	2680.4	2680.4	2680.4	2669.0	2653.9	2646.4	2650.0
177.5°	2676.8	2675.1	2668.8	2662.5	2668.8	2675.1	2676.8	2667.9	2656.0	2650.0	2652.8
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3028.4	3028.4	3028.4	3028.4	3028.4
2.5°	2991.2	3005.5	3014.1	3025.5	3054.2
5°	2876.6	2931.0	2948.2	2991.2	3042.7
7.5°	2624.4	2790.6	2836.4	2939.6	3019.8
10°	2380.8	2547.1	2627.3	2870.8	2991.2
12.5°	2257.6	2355.0	2409.5	2750.5	2951.0
15°	2180.3	2249.0	2289.1	2590.1	2905.2
17.5°	2120.1	2168.8	2197.5	2432.4	2842.2
20°	2082.9	2105.8	2131.6	2317.8	2770.6
22.5°	2057.1	2042.7	2062.8	2237.6	2673.1
25°	2039.9	1985.4	2008.4	2174.5	2558.5
27.5°	2054.2	1933.9	1942.5	2117.2	2438.1
30°	2057.1	1870.8	1873.7	2057.1	2303.5
32.5°	2037.0	1805.0	1807.8	1982.6	2151.6
35°	1988.3	1727.6	1724.7	1896.6	1945.3
37.5°	1922.4	1644.5	1644.5	1802.1	1719.0
40°	1842.2	1561.4	1570.0	1678.9	1518.4
42.5°	1744.8	1472.6	1484.1	1515.6	1369.5
45°	1638.8	1386.7	1395.3	1280.7	1254.9
47.5°	1521.3	1297.8	1300.7	1062.9	1217.6
50°	1380.9	1206.2	1194.7	911.1	1214.8
52.5°	1257.7	1105.9	1071.5	825.1	1103.0
55°	1137.4	999.9	925.4	759.2	1022.8
57.5°	1031.4	862.4	790.7	681.9	1005.6
60°	934.0	727.7	673.3	598.8	922.5
62.5°	853.8	627.4	616.0	541.5	836.6
65°	767.8	558.7	555.8	492.8	710.5
67.5°	684.7	512.8	510.0	446.9	541.5
70°	595.9	464.1	458.4	398.2	401.1
72.5°	504.2	409.7	404.0	358.1	332.3
75°	412.6	346.7	343.8	312.3	269.3
77.5°	323.7	275.0	280.8	252.1	197.7
80°	232.1	200.5	206.3	180.5	149.0
82.5°	154.7	131.8	137.5	114.6	100.3
85°	86.0	74.5	77.4	60.2	45.8
87.5°	40.1	34.4	34.4	22.9	14.3
90°	78.6	50.0	46.5	32.2	17.9
92.5°	484.9	344.9	314.5	192.9	71.4
95°	1193.1	671.8	616.3	393.8	171.5
97.5°	1607.1	738.0	688.9	492.8	296.6
100°	1757.8	793.4	748.9	571.0	393.1
102.5°	1826.8	848.8	807.3	641.3	475.3
105°	1878.1	931.0	895.9	755.3	614.7
107.5°	1887.6	1052.5	1019.7	888.7	757.7
110°	1873.3	1120.4	1090.8	972.5	854.2



TEST NUMBER: P935980

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1873.9	1202.6	1174.5	1061.7	948.9
115°	1891.2	1325.9	1299.9	1195.9	1091.9
117.5°	1926.2	1445.6	1422.0	1327.4	1233.0
120°	1954.9	1515.3	1493.0	1404.1	1315.1
122.5°	1996.0	1597.5	1575.1	1485.3	1395.5
125°	2051.4	1703.0	1682.5	1600.7	1518.9
127.5°	2106.7	1804.8	1784.1	1701.5	1618.9
130°	2147.2	1872.7	1850.4	1761.5	1672.6
132.5°	2180.0	1928.0	1905.8	1816.9	1728.0
135°	2215.8	1992.4	1972.2	1891.1	1810.1
137.5°	2269.4	2074.6	2054.6	1974.4	1894.1
140°	2302.1	2130.0	2111.6	2037.7	1963.9
142.5°	2329.5	2171.1	2154.0	2085.7	2017.4
145°	2365.2	2233.6	2218.8	2159.3	2099.7
147.5°	2417.7	2312.2	2297.7	2239.8	2181.8
150°	2445.1	2353.4	2340.3	2287.9	2235.5
152.5°	2462.9	2380.1	2370.2	2330.6	2290.9
155°	2502.3	2439.2	2431.8	2402.5	2373.1
157.5°	2541.5	2498.1	2490.9	2462.4	2433.8
160°	2559.5	2524.9	2519.4	2497.1	2474.9
162.5°	2578.5	2553.5	2549.3	2532.7	2515.9
165°	2605.9	2594.6	2590.8	2575.7	2560.6
167.5°	2627.4	2617.8	2616.0	2609.0	2601.8
170°	2645.3	2644.7	2642.9	2635.7	2628.5
172.5°	2646.4	2646.4	2646.0	2644.4	2642.9
175°	2657.2	2662.5	2662.5	2662.5	2662.5
177.5°	2658.3	2662.5	2662.5	2662.5	2662.5
180°	2662.5	2662.5	2662.5	2662.5	2662.5



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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	10.55	11.26	11.65	12.36	13.88	13.40	14.11	14.50	15.21	16.73
	3H	11.01	11.65	12.12	12.76	14.29	14.74	15.38	15.85	16.48	18.02
	4H	11.19	11.80	12.32	12.91	14.45	15.18	15.79	16.30	16.89	18.43
	6H	11.31	11.86	12.44	12.98	14.53	15.46	16.02	16.59	17.13	18.68
	8H	11.30	11.83	12.44	12.96	14.50	15.53	16.07	16.67	17.19	18.74
	12H	11.27	11.77	12.41	12.89	14.46	15.57	16.08	16.71	17.20	18.76
4H	2H	11.56	12.17	12.69	13.28	14.82	13.79	14.39	14.91	15.50	17.04
	3H	12.58	13.08	13.71	14.22	15.77	15.28	15.79	16.42	16.93	18.48
	4H	12.85	13.31	13.99	14.44	16.01	15.81	16.28	16.95	17.40	18.97
	6H	12.96	13.36	14.11	14.51	16.07	16.17	16.57	17.32	17.72	19.28
	8H	12.97	13.34	14.11	14.48	16.05	16.28	16.65	17.42	17.79	19.37
	12H	12.93	13.26	14.09	14.41	16.00	16.33	16.67	17.49	17.82	19.40
8H	4H	13.29	13.66	14.44	14.80	16.38	15.92	16.29	17.07	17.43	19.01
	6H	13.55	13.85	14.71	15.04	16.61	16.36	16.67	17.52	17.85	19.42
	8H	13.59	13.86	14.76	15.02	16.61	16.51	16.78	17.68	17.94	19.54
	12H	13.57	13.80	14.74	14.96	16.59	16.61	16.84	17.78	18.00	19.63
12H	4H	13.29	13.63	14.45	14.78	16.36	15.88	16.22	17.04	17.37	18.95
	6H	13.61	13.88	14.78	15.04	16.63	16.35	16.62	17.52	17.78	19.38
	8H	13.67	13.90	14.84	15.06	16.69	16.51	16.75	17.69	17.90	19.53