

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: P935578

Luminaire Tested: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

**Test Information**

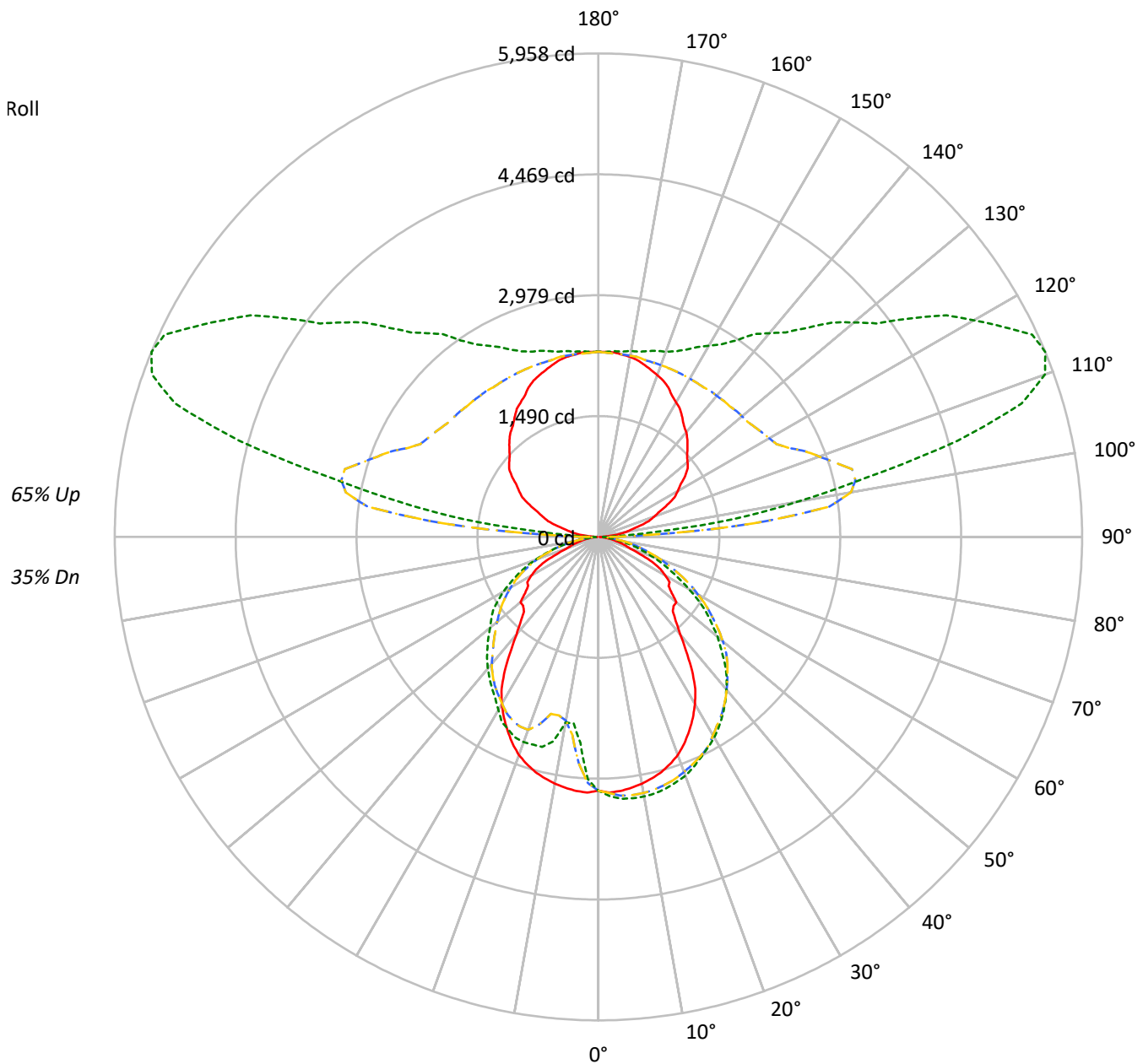
Test Method: LM-79-2019  
Report Number: P935578  
REPORT IS A COMBINATION OF REPORTS P933757 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22908.6 lumens  
Efficiency: N/A  
Efficacy: 137.3 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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CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-3000K

### 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°	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	1.2
10°-20°	801.3	3.5
20°-30°	1238.7	5.4
30°-40°	1478.8	6.5
40°-50°	1487.4	6.5
50°-60°	1294.2	5.6
60°-70°	917.6	4.0
70°-80°	485.5	2.1
80°-90°	129.6	0.6
90°-100°	1112.3	4.9
100°-110°	2924.4	12.8
110°-120°	3032.3	13.2
120°-130°	2432.3	10.6
130°-140°	1908.5	8.3
140°-150°	1464.8	6.4
150°-160°	1054.9	4.6
160°-170°	645.5	2.8
170°-180°	218.1	1.0
0°-30°	2322.3	10.1
0°-40°	3801.1	16.6
0°-60°	6582.8	28.7
0°-90°	8115.5	35.4
90°-120°	7069.1	30.9
90°-150°	12874.7	56.2
90°-180°	14793.0	64.6
0°-180°	22908.6	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°	15	58	15	58	15	15
95°	147	672	147	672	147	163
105°	527	4579	527	4579	527	559
115°	936	5896	936	5896	936	924
125°	1302	4696	1302	4696	1302	1156
135°	1552	3644	1552	3644	1552	1200
145°	1800	2956	1800	2956	1800	1127
155°	2034	2545	2034	2545	2034	935
165°	2195	2371	2195	2371	2195	619
175°	2282	2297	2282	2297	2282	217
180°	2282	2282	2282	2282	2282	



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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°	15.3	27.5	39.8	42.9	67.3	100.0	116.3	103.4	77.6	58.2	58.2
92.5°	61.2	165.4	269.6	295.6	415.6	575.5	655.5	574.4	412.4	291.0	279.4
95°	147.0	337.6	528.2	575.8	1022.5	1618.1	1915.9	1709.6	1297.2	987.9	952.8
97.5°	254.2	422.3	590.5	632.5	1377.3	2370.4	2867.0	2736.6	2475.9	2280.4	2213.7
100°	336.9	489.5	641.9	680.0	1506.5	2608.6	3159.5	3169.1	3188.1	3202.4	3123.0
102.5°	407.4	549.7	691.9	727.5	1565.8	2683.4	3242.3	3408.3	3740.5	3989.7	3921.6
105°	526.8	647.3	767.8	798.0	1609.6	2691.9	3233.0	3605.3	4350.0	4908.5	4871.9
107.5°	649.4	761.7	874.0	902.1	1617.8	2572.2	3049.3	3568.6	4607.3	5386.3	5395.2
110°	732.1	833.5	934.9	960.3	1605.5	2465.9	2896.1	3476.7	4637.9	5508.9	5547.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	813.3	909.9	1006.5	1030.7	1606.0	2373.2	2756.8	3351.0	4539.4	5430.8	5489.4
115°	935.7	1024.8	1114.1	1136.4	1620.9	2266.8	2589.8	3162.3	4307.1	5165.9	5247.0
117.5°	1056.8	1137.7	1218.8	1239.0	1651.0	2200.3	2475.0	2991.6	4024.9	4799.7	4889.8
120°	1127.2	1203.4	1279.7	1298.8	1675.5	2177.9	2429.0	2901.1	3845.2	4553.2	4640.7
122.5°	1196.1	1273.0	1349.9	1369.2	1710.7	2166.1	2393.8	2818.9	3669.0	4306.7	4392.9
125°	1301.8	1371.9	1442.0	1459.6	1758.2	2156.4	2355.5	2716.5	3438.8	3980.4	4059.9
127.5°	1387.6	1458.4	1529.2	1546.8	1805.7	2150.8	2323.3	2633.3	3253.4	3718.5	3785.5
130°	1433.5	1509.8	1586.0	1605.0	1840.4	2154.2	2311.1	2587.1	3139.1	3553.1	3615.1
132.5°	1481.0	1557.2	1633.5	1652.5	1868.5	2156.4	2300.3	2547.4	3041.6	3412.3	3467.8
135°	1551.5	1620.9	1690.3	1707.7	1899.1	2154.4	2282.0	2489.0	2902.8	3213.2	3261.0
137.5°	1623.4	1692.2	1760.9	1778.1	1945.0	2167.6	2278.9	2453.9	2803.7	3066.1	3105.2
140°	1683.1	1746.4	1809.7	1825.6	1973.1	2169.8	2268.2	2419.2	2721.5	2948.1	2984.7
142.5°	1729.0	1787.6	1846.2	1860.8	1996.6	2177.7	2268.2	2400.9	2666.4	2865.5	2897.0
145°	1799.5	1850.6	1901.7	1914.4	2027.2	2177.7	2252.9	2361.5	2578.6	2741.4	2765.2
147.5°	1869.9	1919.6	1969.3	1981.8	2072.2	2192.7	2252.9	2338.3	2509.2	2637.3	2657.0
150°	1915.9	1960.9	2005.8	2017.1	2095.6	2200.5	2252.9	2325.1	2469.3	2577.5	2593.5
152.5°	1963.4	1997.4	2031.6	2040.0	2111.0	2205.6	2252.9	2314.5	2437.7	2530.1	2542.2
155°	2033.8	2059.1	2084.2	2090.5	2144.6	2216.8	2252.9	2301.9	2399.9	2473.4	2481.4
157.5°	2086.0	2110.4	2135.0	2141.1	2178.4	2228.1	2252.9	2291.0	2367.2	2424.4	2430.0
160°	2121.2	2140.2	2159.3	2164.1	2193.7	2233.2	2252.9	2285.5	2350.9	2399.9	2403.2
162.5°	2156.4	2170.7	2185.0	2188.5	2210.0	2238.6	2252.9	2280.5	2335.6	2377.0	2380.0
165°	2194.6	2207.6	2220.5	2223.7	2233.5	2246.4	2252.9	2272.6	2312.1	2341.7	2344.9
167.5°	2229.9	2236.1	2242.2	2243.6	2251.8	2262.8	2268.2	2281.1	2306.9	2326.4	2327.7
170°	2252.9	2259.0	2265.1	2266.6	2267.1	2267.8	2268.2	2281.1	2306.9	2326.4	2326.4
172.5°	2265.1	2266.5	2267.9	2268.2	2268.2	2268.2	2268.2	2278.4	2298.9	2314.1	2313.0
175°	2282.0	2282.0	2282.0	2282.0	2277.4	2271.3	2268.2	2274.7	2287.6	2297.3	2297.3
177.5°	2282.0	2282.0	2282.0	2282.0	2278.4	2273.6	2271.3	2276.4	2286.5	2294.2	2292.8
180°	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0



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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°	58.2	58.2	58.2	58.2	58.2	77.6	103.4	116.3	100.0	67.3	42.9
92.5°	233.1	186.8	233.1	279.4	291.0	412.4	574.4	655.5	575.5	415.6	295.6
95°	812.6	672.4	812.6	952.8	987.9	1297.2	1709.6	1915.9	1618.1	1022.5	575.8
97.5°	1946.9	1680.0	1946.9	2213.7	2280.4	2475.9	2736.6	2867.0	2370.4	1377.3	632.5
100°	2805.1	2487.2	2805.1	3123.0	3202.4	3188.1	3169.1	3159.5	2608.6	1506.5	680.0
102.5°	3649.3	3377.0	3649.3	3921.6	3989.7	3740.5	3408.3	3242.3	2683.4	1565.8	727.5
105°	4725.6	4579.3	4725.6	4871.9	4908.5	4350.0	3605.3	3233.0	2691.9	1609.6	798.0
107.5°	5430.6	5466.0	5430.6	5395.2	5386.3	4607.3	3568.6	3049.3	2572.2	1617.8	902.1
110°	5699.5	5851.9	5699.5	5547.0	5508.9	4637.9	3476.7	2896.1	2465.9	1605.5	960.3





TEST NUMBER: P935578

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5723.4	5957.6	5723.4	5489.4	5430.8	4539.4	3351.0	2756.8	2373.2	1606.0	1030.7
115°	5571.7	5896.4	5571.7	5247.0	5165.9	4307.1	3162.3	2589.8	2266.8	1620.9	1136.4
117.5°	5249.9	5609.9	5249.9	4889.8	4799.7	4024.9	2991.6	2475.0	2200.3	1651.0	1239.0
120°	4990.5	5340.4	4990.5	4640.7	4553.2	3845.2	2901.1	2429.0	2177.9	1675.5	1298.8
122.5°	4738.0	5083.1	4738.0	4392.9	4306.7	3669.0	2818.9	2393.8	2166.1	1710.7	1369.2
125°	4377.7	4695.6	4377.7	4059.9	3980.4	3438.8	2716.5	2355.5	2156.4	1758.2	1459.6
127.5°	4053.7	4321.9	4053.7	3785.5	3718.5	3253.4	2633.3	2323.3	2150.8	1805.7	1546.8
130°	3862.9	4110.6	3862.9	3615.1	3553.1	3139.1	2587.1	2311.1	2154.2	1840.4	1605.0
132.5°	3689.6	3911.5	3689.6	3467.8	3412.3	3041.6	2547.4	2300.3	2156.4	1868.5	1652.5
135°	3452.2	3643.5	3452.2	3261.0	3213.2	2902.8	2489.0	2282.0	2154.4	1899.1	1707.7
137.5°	3261.8	3418.4	3261.8	3105.2	3066.1	2803.7	2453.9	2278.9	2167.6	1945.0	1778.1
140°	3131.1	3277.5	3131.1	2984.7	2948.1	2721.5	2419.2	2268.2	2169.8	1973.1	1825.6
142.5°	3022.9	3148.8	3022.9	2897.0	2865.5	2666.4	2400.9	2268.2	2177.7	1996.6	1860.8
145°	2860.5	2955.8	2860.5	2765.2	2741.4	2578.6	2361.5	2252.9	2177.7	2027.2	1914.4
147.5°	2736.0	2814.9	2736.0	2657.0	2637.3	2509.2	2338.3	2252.9	2192.7	2072.2	1981.8
150°	2657.6	2721.6	2657.6	2593.5	2577.5	2469.3	2325.1	2252.9	2200.5	2095.6	2017.1
152.5°	2590.5	2638.8	2590.5	2542.2	2530.1	2437.7	2314.5	2252.9	2205.6	2111.0	2040.0
155°	2513.4	2545.4	2513.4	2481.4	2473.4	2399.9	2301.9	2252.9	2216.8	2144.6	2090.5
157.5°	2452.5	2475.0	2452.5	2430.0	2424.4	2367.2	2291.0	2252.9	2228.1	2178.4	2141.1
160°	2416.1	2429.0	2416.1	2403.2	2399.9	2350.9	2285.5	2252.9	2233.2	2193.7	2164.1
162.5°	2392.2	2404.5	2392.2	2380.0	2377.0	2335.6	2280.5	2252.9	2238.6	2210.0	2188.5
165°	2357.8	2370.8	2357.8	2344.9	2341.7	2312.1	2272.6	2252.9	2246.4	2233.5	2223.7
167.5°	2333.2	2338.6	2333.2	2327.7	2326.4	2306.9	2281.1	2268.2	2262.8	2251.8	2243.6
170°	2326.4	2326.4	2326.4	2326.4	2326.4	2306.9	2281.1	2268.2	2267.8	2267.1	2266.6
172.5°	2308.1	2303.4	2308.1	2313.0	2314.1	2298.9	2278.4	2268.2	2268.2	2268.2	2268.2
175°	2297.3	2297.3	2297.3	2297.3	2297.3	2287.6	2274.7	2268.2	2271.3	2277.4	2282.0
177.5°	2287.4	2282.0	2287.4	2292.8	2294.2	2286.5	2276.4	2271.3	2273.6	2278.4	2282.0
180°	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0



TEST NUMBER: P935578

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-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°	39.8	27.5	15.3	27.5	39.8	42.9	67.3	100.0	116.3	103.4	77.6
92.5°	269.6	165.4	61.2	165.4	269.6	295.6	415.6	575.5	655.5	574.4	412.4
95°	528.2	337.6	147.0	337.6	528.2	575.8	1022.5	1618.1	1915.9	1709.6	1297.2
97.5°	590.5	422.3	254.2	422.3	590.5	632.5	1377.3	2370.4	2867.0	2736.6	2475.9
100°	641.9	489.5	336.9	489.5	641.9	680.0	1506.5	2608.6	3159.5	3169.1	3188.1
102.5°	691.9	549.7	407.4	549.7	691.9	727.5	1565.8	2683.4	3242.3	3408.3	3740.5
105°	767.8	647.3	526.8	647.3	767.8	798.0	1609.6	2691.9	3233.0	3605.3	4350.0
107.5°	874.0	761.7	649.4	761.7	874.0	902.1	1617.8	2572.2	3049.3	3568.6	4607.3
110°	934.9	833.5	732.1	833.5	934.9	960.3	1605.5	2465.9	2896.1	3476.7	4637.9



TEST NUMBER: P935578

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1006.5	909.9	813.3	909.9	1006.5	1030.7	1606.0	2373.2	2756.8	3351.0	4539.4
115°	1114.1	1024.8	935.7	1024.8	1114.1	1136.4	1620.9	2266.8	2589.8	3162.3	4307.1
117.5°	1218.8	1137.7	1056.8	1137.7	1218.8	1239.0	1651.0	2200.3	2475.0	2991.6	4024.9
120°	1279.7	1203.4	1127.2	1203.4	1279.7	1298.8	1675.5	2177.9	2429.0	2901.1	3845.2
122.5°	1349.9	1273.0	1196.1	1273.0	1349.9	1369.2	1710.7	2166.1	2393.8	2818.9	3669.0
125°	1442.0	1371.9	1301.8	1371.9	1442.0	1459.6	1758.2	2156.4	2355.5	2716.5	3438.8
127.5°	1529.2	1458.4	1387.6	1458.4	1529.2	1546.8	1805.7	2150.8	2323.3	2633.3	3253.4
130°	1586.0	1509.8	1433.5	1509.8	1586.0	1605.0	1840.4	2154.2	2311.1	2587.1	3139.1
132.5°	1633.5	1557.2	1481.0	1557.2	1633.5	1652.5	1868.5	2156.4	2300.3	2547.4	3041.6
135°	1690.3	1620.9	1551.5	1620.9	1690.3	1707.7	1899.1	2154.4	2282.0	2489.0	2902.8
137.5°	1760.9	1692.2	1623.4	1692.2	1760.9	1778.1	1945.0	2167.6	2278.9	2453.9	2803.7
140°	1809.7	1746.4	1683.1	1746.4	1809.7	1825.6	1973.1	2169.8	2268.2	2419.2	2721.5
142.5°	1846.2	1787.6	1729.0	1787.6	1846.2	1860.8	1996.6	2177.7	2268.2	2400.9	2666.4
145°	1901.7	1850.6	1799.5	1850.6	1901.7	1914.4	2027.2	2177.7	2252.9	2361.5	2578.6
147.5°	1969.3	1919.6	1869.9	1919.6	1969.3	1981.8	2072.2	2192.7	2252.9	2338.3	2509.2
150°	2005.8	1960.9	1915.9	1960.9	2005.8	2017.1	2095.6	2200.5	2252.9	2325.1	2469.3
152.5°	2031.6	1997.4	1963.4	1997.4	2031.6	2040.0	2111.0	2205.6	2252.9	2314.5	2437.7
155°	2084.2	2059.1	2033.8	2059.1	2084.2	2090.5	2144.6	2216.8	2252.9	2301.9	2399.9
157.5°	2135.0	2110.4	2086.0	2110.4	2135.0	2141.1	2178.4	2228.1	2252.9	2291.0	2367.2
160°	2159.3	2140.2	2121.2	2140.2	2159.3	2164.1	2193.7	2233.2	2252.9	2285.5	2350.9
162.5°	2185.0	2170.7	2156.4	2170.7	2185.0	2188.5	2210.0	2238.6	2252.9	2280.5	2335.6
165°	2220.5	2207.6	2194.6	2207.6	2220.5	2223.7	2233.5	2246.4	2252.9	2272.6	2312.1
167.5°	2242.2	2236.1	2229.9	2236.1	2242.2	2243.6	2251.8	2262.8	2268.2	2281.1	2306.9
170°	2265.1	2259.0	2252.9	2259.0	2265.1	2266.6	2267.1	2267.8	2268.2	2281.1	2306.9
172.5°	2267.9	2266.5	2265.1	2266.5	2267.9	2268.2	2268.2	2268.2	2268.2	2278.4	2298.9
175°	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2277.4	2271.3	2268.2	2274.7	2287.6
177.5°	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2278.4	2273.6	2271.3	2276.4	2286.5
180°	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0



TEST NUMBER: P935578  
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**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°	58.2	58.2	58.2	58.2	58.2	58.2	58.2	77.6	103.4	116.3	100.0
92.5°	291.0	279.4	233.1	186.8	233.1	279.4	291.0	412.4	574.4	655.5	575.5
95°	987.9	952.8	812.6	672.4	812.6	952.8	987.9	1297.2	1709.6	1915.9	1618.1
97.5°	2280.4	2213.7	1946.9	1680.0	1946.9	2213.7	2280.4	2475.9	2736.6	2867.0	2370.4
100°	3202.4	3123.0	2805.1	2487.2	2805.1	3123.0	3202.4	3188.1	3169.1	3159.5	2608.6
102.5°	3989.7	3921.6	3649.3	3377.0	3649.3	3921.6	3989.7	3740.5	3408.3	3242.3	2683.4
105°	4908.5	4871.9	4725.6	4579.3	4725.6	4871.9	4908.5	4350.0	3605.3	3233.0	2691.9
107.5°	5386.3	5395.2	5430.6	5466.0	5430.6	5395.2	5386.3	4607.3	3568.6	3049.3	2572.2
110°	5508.9	5547.0	5699.5	5851.9	5699.5	5547.0	5508.9	4637.9	3476.7	2896.1	2465.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5430.8	5489.4	5723.4	5957.6	5723.4	5489.4	5430.8	4539.4	3351.0	2756.8	2373.2
115°	5165.9	5247.0	5571.7	5896.4	5571.7	5247.0	5165.9	4307.1	3162.3	2589.8	2266.8
117.5°	4799.7	4889.8	5249.9	5609.9	5249.9	4889.8	4799.7	4024.9	2991.6	2475.0	2200.3
120°	4553.2	4640.7	4990.5	5340.4	4990.5	4640.7	4553.2	3845.2	2901.1	2429.0	2177.9
122.5°	4306.7	4392.9	4738.0	5083.1	4738.0	4392.9	4306.7	3669.0	2818.9	2393.8	2166.1
125°	3980.4	4059.9	4377.7	4695.6	4377.7	4059.9	3980.4	3438.8	2716.5	2355.5	2156.4
127.5°	3718.5	3785.5	4053.7	4321.9	4053.7	3785.5	3718.5	3253.4	2633.3	2323.3	2150.8
130°	3553.1	3615.1	3862.9	4110.6	3862.9	3615.1	3553.1	3139.1	2587.1	2311.1	2154.2
132.5°	3412.3	3467.8	3689.6	3911.5	3689.6	3467.8	3412.3	3041.6	2547.4	2300.3	2156.4
135°	3213.2	3261.0	3452.2	3643.5	3452.2	3261.0	3213.2	2902.8	2489.0	2282.0	2154.4
137.5°	3066.1	3105.2	3261.8	3418.4	3261.8	3105.2	3066.1	2803.7	2453.9	2278.9	2167.6
140°	2948.1	2984.7	3131.1	3277.5	3131.1	2984.7	2948.1	2721.5	2419.2	2268.2	2169.8
142.5°	2865.5	2897.0	3022.9	3148.8	3022.9	2897.0	2865.5	2666.4	2400.9	2268.2	2177.7
145°	2741.4	2765.2	2860.5	2955.8	2860.5	2765.2	2741.4	2578.6	2361.5	2252.9	2177.7
147.5°	2637.3	2657.0	2736.0	2814.9	2736.0	2657.0	2637.3	2509.2	2338.3	2252.9	2192.7
150°	2577.5	2593.5	2657.6	2721.6	2657.6	2593.5	2577.5	2469.3	2325.1	2252.9	2200.5
152.5°	2530.1	2542.2	2590.5	2638.8	2590.5	2542.2	2530.1	2437.7	2314.5	2252.9	2205.6
155°	2473.4	2481.4	2513.4	2545.4	2513.4	2481.4	2473.4	2399.9	2301.9	2252.9	2216.8
157.5°	2424.4	2430.0	2452.5	2475.0	2452.5	2430.0	2424.4	2367.2	2291.0	2252.9	2228.1
160°	2399.9	2403.2	2416.1	2429.0	2416.1	2403.2	2399.9	2350.9	2285.5	2252.9	2233.2
162.5°	2377.0	2380.0	2392.2	2404.5	2392.2	2380.0	2377.0	2335.6	2280.5	2252.9	2238.6
165°	2341.7	2344.9	2357.8	2370.8	2357.8	2344.9	2341.7	2312.1	2272.6	2252.9	2246.4
167.5°	2326.4	2327.7	2333.2	2338.6	2333.2	2327.7	2326.4	2306.9	2281.1	2268.2	2262.8
170°	2326.4	2326.4	2326.4	2326.4	2326.4	2326.4	2326.4	2306.9	2281.1	2268.2	2267.8
172.5°	2314.1	2313.0	2308.1	2303.4	2308.1	2313.0	2314.1	2298.9	2278.4	2268.2	2268.2
175°	2297.3	2297.3	2297.3	2297.3	2297.3	2297.3	2297.3	2287.6	2274.7	2268.2	2271.3
177.5°	2294.2	2292.8	2287.4	2282.0	2287.4	2292.8	2294.2	2286.5	2276.4	2271.3	2273.6
180°	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0



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**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°	67.3	42.9	39.8	27.5	15.3
92.5°	415.6	295.6	269.6	165.4	61.2
95°	1022.5	575.8	528.2	337.6	147.0
97.5°	1377.3	632.5	590.5	422.3	254.2
100°	1506.5	680.0	641.9	489.5	336.9
102.5°	1565.8	727.5	691.9	549.7	407.4
105°	1609.6	798.0	767.8	647.3	526.8
107.5°	1617.8	902.1	874.0	761.7	649.4
110°	1605.5	960.3	934.9	833.5	732.1



TEST NUMBER: P935578

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1606.0	1030.7	1006.5	909.9	813.3
115°	1620.9	1136.4	1114.1	1024.8	935.7
117.5°	1651.0	1239.0	1218.8	1137.7	1056.8
120°	1675.5	1298.8	1279.7	1203.4	1127.2
122.5°	1710.7	1369.2	1349.9	1273.0	1196.1
125°	1758.2	1459.6	1442.0	1371.9	1301.8
127.5°	1805.7	1546.8	1529.2	1458.4	1387.6
130°	1840.4	1605.0	1586.0	1509.8	1433.5
132.5°	1868.5	1652.5	1633.5	1557.2	1481.0
135°	1899.1	1707.7	1690.3	1620.9	1551.5
137.5°	1945.0	1778.1	1760.9	1692.2	1623.4
140°	1973.1	1825.6	1809.7	1746.4	1683.1
142.5°	1996.6	1860.8	1846.2	1787.6	1729.0
145°	2027.2	1914.4	1901.7	1850.6	1799.5
147.5°	2072.2	1981.8	1969.3	1919.6	1869.9
150°	2095.6	2017.1	2005.8	1960.9	1915.9
152.5°	2111.0	2040.0	2031.6	1997.4	1963.4
155°	2144.6	2090.5	2084.2	2059.1	2033.8
157.5°	2178.4	2141.1	2135.0	2110.4	2086.0
160°	2193.7	2164.1	2159.3	2140.2	2121.2
162.5°	2210.0	2188.5	2185.0	2170.7	2156.4
165°	2233.5	2223.7	2220.5	2207.6	2194.6
167.5°	2251.8	2243.6	2242.2	2236.1	2229.9
170°	2267.1	2266.6	2265.1	2259.0	2252.9
172.5°	2268.2	2268.2	2267.9	2266.5	2265.1
175°	2277.4	2282.0	2282.0	2282.0	2282.0
177.5°	2278.4	2282.0	2282.0	2282.0	2282.0
180°	2282.0	2282.0	2282.0	2282.0	2282.0



TEST NUMBER: P935578  
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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	11.17	11.92	12.25	12.99	14.46	14.02	14.77	15.10	15.84	17.31
	3H	11.64	12.31	12.72	13.39	14.87	15.37	16.03	16.45	17.12	18.60
	4H	11.83	12.46	12.92	13.54	15.03	15.81	16.44	16.90	17.53	19.02
	6H	11.94	12.52	13.04	13.61	15.11	16.09	16.68	17.20	17.76	19.27
	8H	11.94	12.49	13.04	13.59	15.09	16.17	16.72	17.28	17.83	19.32
	12H	11.90	12.43	13.01	13.53	15.05	16.21	16.73	17.32	17.83	19.35
4H	2H	12.20	12.83	13.30	13.91	15.40	14.42	15.05	15.52	16.13	17.62
	3H	13.21	13.74	14.32	14.85	16.35	15.92	16.45	17.03	17.56	19.06
	4H	13.48	13.97	14.60	15.07	16.59	16.45	16.93	17.56	18.03	19.55
	6H	13.60	14.02	14.72	15.14	16.66	16.81	17.23	17.93	18.35	19.86
	8H	13.60	13.99	14.72	15.11	16.64	16.92	17.31	18.04	18.42	19.95
	12H	13.57	13.92	14.70	15.04	16.58	16.97	17.32	18.11	18.45	19.99
8H	4H	13.93	14.32	15.05	15.43	16.97	16.56	16.95	17.68	18.06	19.60
	6H	14.19	14.51	15.33	15.67	17.19	17.00	17.32	18.14	18.48	20.00
	8H	14.23	14.51	15.38	15.65	17.20	17.15	17.43	18.30	18.57	20.12
	12H	14.21	14.45	15.36	15.59	17.17	17.25	17.50	18.40	18.63	20.21
12H	4H	13.93	14.28	15.07	15.41	16.95	16.52	16.87	17.66	18.00	19.54
	6H	14.25	14.53	15.40	15.67	17.22	16.99	17.27	18.14	18.41	19.96
	8H	14.31	14.56	15.46	15.69	17.27	17.15	17.40	18.30	18.53	20.12