

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: P935530

Luminaire Tested: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935530
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-92765-1D-UNV-STD-W-12-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

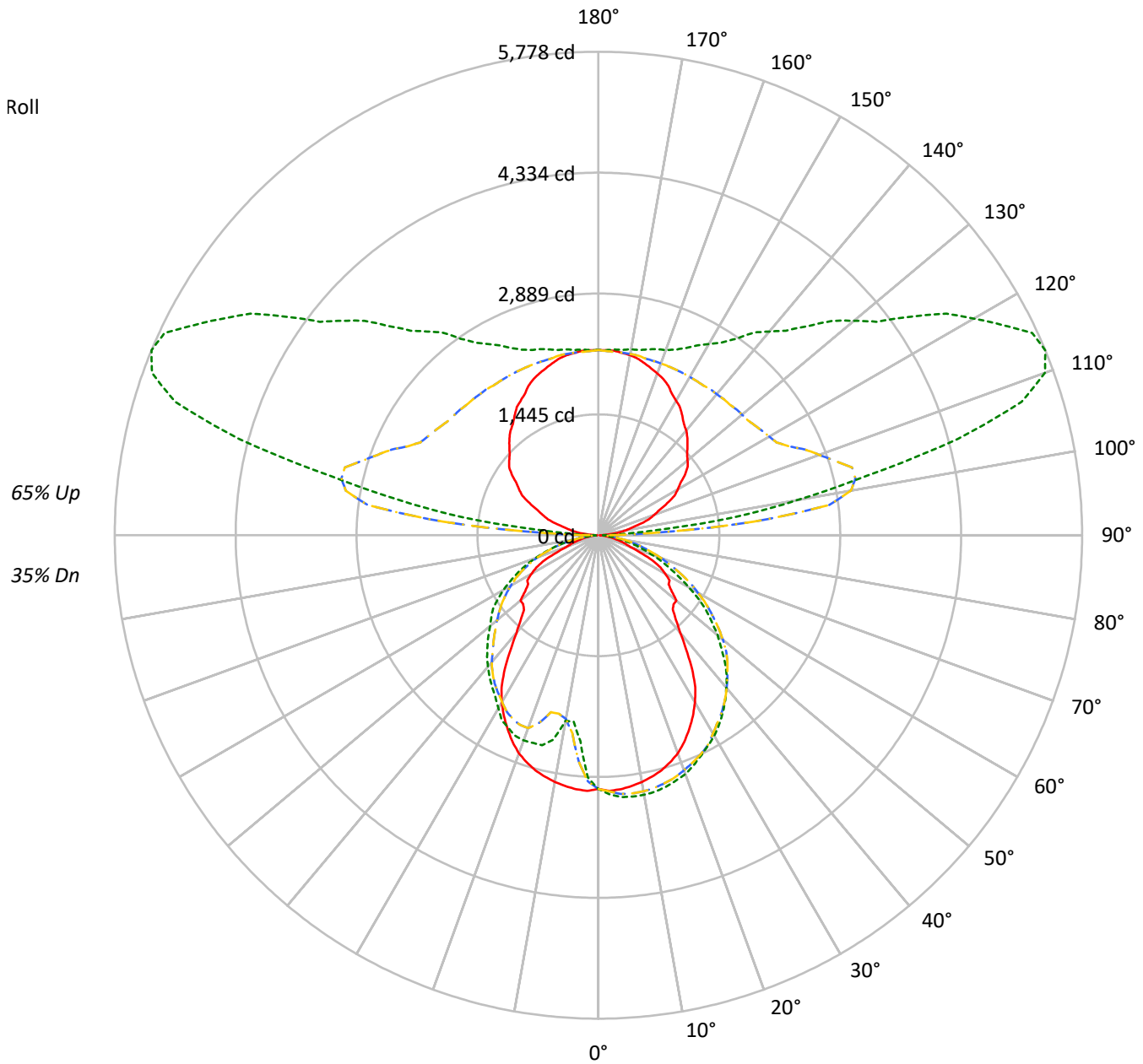
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22216.1 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 166.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35				35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30				30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25				25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21				21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18				18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16				16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14				14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12				12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11				11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10				10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9				9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9379	9379	9379	9379
5°	9452	9467	9452	7444
10°	9393	9326	9393	6667
15°	9294	9124	9294	7619
20°	9103	8884	9103	7635
25°	8709	8535	8709	7473
30°	8198	8246	8198	7117
35°	7312	7879	7312	6727
40°	6096	7447	6096	6432
45°	5450	6942	5450	6093
50°	5795	6339	5795	5752
55°	5458	5690	5458	5556
60°	5633	4833	5633	5088
65°	5115	3995	5115	4466
70°	3551	3184	3551	3743
75°	3125	2354	3125	2818
80°	2538	1556	2538	1694
85°	1487	824	1487	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8349 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.7	1.2
10°-20°	777.1	3.5
20°-30°	1201.3	5.4
30°-40°	1434.1	6.5
40°-50°	1442.5	6.5
50°-60°	1255.1	5.6
60°-70°	889.9	4.0
70°-80°	470.8	2.1
80°-90°	125.7	0.6
90°-100°	1078.7	4.9
100°-110°	2836.0	12.8
110°-120°	2940.6	13.2
120°-130°	2358.8	10.6
130°-140°	1850.8	8.3
140°-150°	1420.5	6.4
150°-160°	1023.0	4.6
160°-170°	626.0	2.8
170°-180°	211.5	1.0
0°-30°	2252.1	10.1
0°-40°	3686.2	16.6
0°-60°	6383.8	28.7
0°-90°	7870.2	35.4
90°-120°	6855.4	30.9
90°-150°	12485.5	56.2
90°-180°	14346.0	64.6
0°-180°	22216.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3032	3032	3032	3032	3032	
5°	3046	3141	3046	2470	3046	289
15°	2909	3112	2909	2599	2909	818
25°	2562	2903	2562	2542	2562	1176
35°	1948	2590	1948	2212	1948	1205
45°	1256	2134	1256	1873	1256	1006
55°	1024	1575	1024	1538	1024	941
65°	711	950	711	1061	711	680
75°	270	450	270	539	270	283
85°	46	115	46	98	46	62
90°	15	56	15	56	15	14
95°	143	652	143	652	143	158
105°	511	4441	511	4441	511	542
115°	907	5718	907	5718	907	896
125°	1262	4554	1262	4554	1262	1121
135°	1505	3533	1505	3533	1505	1164
145°	1745	2866	1745	2866	1745	1093
155°	1972	2468	1972	2468	1972	906
165°	2128	2299	2128	2299	2128	601
175°	2213	2228	2213	2228	2213	210
180°	2213	2213	2213	2213	2213	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	3058.0	3058.0	3075.2	3080.9	3080.9	3072.3	3063.7	3072.3	3098.2	3106.8	3103.9
5°	3046.5	3069.5	3101.0	3106.8	3112.5	3109.6	3103.9	3109.6	3138.3	3144.1	3146.9
7.5°	3023.6	3066.6	3106.8	3115.4	3124.0	3115.4	3112.5	3118.2	3146.9	3152.7	3152.7
10°	2994.9	3055.1	3101.0	3106.8	3115.4	3106.8	3106.8	3118.2	3146.9	3152.7	3155.5
12.5°	2954.7	3037.9	3080.9	3086.7	3098.2	3095.3	3092.4	3103.9	3132.6	3138.3	3138.3
15°	2908.8	3006.4	3046.5	3052.3	3072.3	3066.6	3066.6	3078.1	3109.6	3118.2	3115.4
17.5°	2845.7	2966.2	3012.1	3020.7	3035.1	3032.2	3035.1	3046.5	3075.2	3080.9	3083.8
20°	2774.0	2911.7	2966.2	2974.8	2989.2	2989.2	2989.2	3003.5	3032.2	3043.7	3043.7
22.5°	2676.5	2854.3	2911.7	2917.4	2934.7	2934.7	2940.4	2960.5	2986.3	2989.2	2989.2
25°	2561.7	2791.2	2840.0	2857.2	2874.4	2883.0	2891.6	2903.1	2911.7	2908.8	2911.7
27.5°	2441.2	2710.9	2774.0	2785.5	2808.4	2817.0	2828.5	2831.4	2834.3	2842.9	2837.1
30°	2306.3	2599.0	2693.7	2705.2	2742.5	2748.2	2736.7	2742.5	2756.8	2762.5	2768.3
32.5°	2154.3	2432.6	2610.5	2636.3	2670.7	2653.5	2650.7	2659.3	2682.2	2682.2	2688.0
35°	1947.8	2303.5	2533.1	2556.0	2581.8	2561.7	2573.2	2576.1	2590.4	2599.0	2596.2
37.5°	1721.1	2191.6	2452.6	2469.8	2489.9	2464.1	2481.3	2489.9	2501.4	2495.7	2495.7
40°	1520.3	2016.6	2358.0	2369.4	2386.7	2366.6	2383.8	2389.5	2395.3	2389.5	2386.7
42.5°	1371.2	1824.4	2257.6	2271.9	2260.4	2274.8	2280.5	2292.0	2283.4	2271.9	2271.9
45°	1256.4	1772.8	2148.6	2165.8	2148.6	2171.5	2180.1	2180.1	2154.3	2148.6	2145.7
47.5°	1219.1	1669.5	2039.6	2039.6	2031.0	2059.6	2074.0	2053.9	2028.1	2019.5	2019.5
50°	1216.3	1554.8	1890.4	1878.9	1919.1	1953.5	1939.2	1919.1	1899.0	1867.4	1867.4
52.5°	1104.4	1414.2	1698.2	1741.2	1804.3	1824.4	1801.5	1781.4	1747.0	1732.6	1721.1
55°	1024.1	1267.9	1523.2	1609.3	1675.3	1701.1	1658.0	1638.0	1586.3	1577.7	1572.0
57.5°	1006.9	1055.6	1362.6	1471.6	1551.9	1549.0	1523.2	1485.9	1442.9	1434.3	1431.4
60°	923.7	763.0	1190.5	1319.5	1402.7	1394.1	1371.2	1336.8	1296.6	1290.9	1285.1
62.5°	837.6	553.6	995.4	1141.7	1259.3	1256.4	1236.4	1184.7	1156.0	1141.7	1130.2
65°	711.4	464.7	708.5	949.5	1118.7	1124.5	1081.5	1044.2	1012.6	995.4	992.5
67.5°	542.2	378.7	479.1	791.7	983.9	978.2	923.7	906.5	866.3	857.7	840.5
70°	401.6	252.4	332.8	642.6	852.0	837.6	794.6	774.5	737.2	717.1	705.7
72.5°	332.8	203.7	243.8	499.1	717.1	699.9	662.6	639.7	608.1	590.9	579.5
75°	269.6	215.1	186.5	370.0	582.3	570.8	536.4	513.5	487.7	464.7	467.6
77.5°	197.9	200.8	149.2	272.5	461.8	444.6	424.5	395.9	384.4	361.4	361.4
80°	149.2	157.8	111.9	186.5	332.8	332.8	315.5	295.5	275.4	263.9	263.9
82.5°	100.4	100.4	83.2	117.6	226.6	218.0	206.5	200.8	189.3	183.6	183.6
85°	45.9	57.4	51.6	71.7	123.3	129.1	129.1	123.3	120.5	114.7	117.6
87.5°	14.3	25.8	31.6	40.2	63.1	66.0	68.8	68.8	68.8	71.7	71.7
90°	14.8	26.7	38.6	41.6	65.3	97.0	112.8	100.3	75.3	56.4	56.4
92.5°	59.4	160.4	261.4	286.7	403.0	558.1	635.7	557.1	400.0	282.2	271.0
95°	142.6	327.4	512.2	558.4	991.6	1569.2	1858.0	1657.9	1258.0	958.0	924.0
97.5°	246.5	409.5	572.7	613.4	1335.7	2298.8	2780.3	2653.9	2401.1	2211.5	2146.7
100°	326.7	474.7	622.5	659.5	1461.0	2529.7	3064.0	3073.3	3091.8	3105.6	3028.6
102.5°	395.1	533.1	671.0	705.5	1518.4	2602.3	3144.2	3305.3	3627.4	3869.0	3803.1
105°	510.9	627.7	744.6	773.8	1561.0	2610.5	3135.3	3496.3	4218.5	4760.1	4724.6
107.5°	629.7	738.7	847.6	874.8	1568.9	2494.4	2957.1	3460.7	4468.0	5223.5	5232.1
110°	710.0	808.3	906.7	931.2	1557.0	2391.3	2808.5	3371.6	4497.7	5342.3	5379.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	788.7	882.4	976.1	999.5	1557.4	2301.5	2673.4	3249.7	4402.2	5266.6	5323.4
115°	907.4	993.9	1080.4	1102.0	1571.9	2198.3	2511.5	3066.7	4176.9	5009.7	5088.4
117.5°	1024.8	1103.4	1182.0	1201.6	1601.0	2133.7	2400.1	2901.2	3903.2	4654.7	4742.0
120°	1093.1	1167.0	1241.0	1259.5	1624.9	2112.0	2355.6	2813.4	3729.0	4415.6	4500.4
122.5°	1160.0	1234.5	1309.1	1327.8	1659.0	2100.7	2321.4	2733.7	3558.1	4176.5	4260.1
125°	1262.5	1330.4	1398.4	1415.5	1705.1	2091.2	2284.2	2634.4	3334.8	3860.1	3937.1
127.5°	1345.7	1414.3	1483.0	1500.1	1751.1	2085.7	2253.1	2553.7	3155.1	3606.1	3671.1
130°	1390.2	1464.1	1538.0	1556.5	1784.7	2089.1	2241.2	2508.9	3044.2	3445.7	3505.8
132.5°	1436.2	1510.1	1584.1	1602.6	1812.0	2091.2	2230.8	2470.4	2949.7	3309.1	3362.9
135°	1504.6	1571.9	1639.2	1656.0	1841.7	2089.3	2213.0	2413.7	2815.0	3116.0	3162.4
137.5°	1574.4	1641.0	1707.7	1724.3	1886.2	2102.1	2210.0	2379.7	2718.9	2973.4	3011.3
140°	1632.2	1693.6	1755.0	1770.4	1913.4	2104.2	2199.6	2346.1	2639.2	2859.0	2894.5
142.5°	1676.8	1733.6	1790.4	1804.5	1936.2	2111.8	2199.6	2328.3	2585.8	2778.9	2809.4
145°	1745.1	1794.7	1844.2	1856.5	1965.9	2111.8	2184.8	2290.1	2500.6	2658.5	2681.6
147.5°	1813.4	1861.6	1909.8	1921.9	2009.5	2126.4	2184.8	2267.6	2433.3	2557.5	2576.7
150°	1858.0	1901.6	1945.2	1956.1	2032.3	2133.9	2184.8	2254.8	2394.7	2499.6	2515.1
152.5°	1904.1	1937.1	1970.1	1978.4	2047.2	2138.9	2184.8	2244.6	2364.0	2453.6	2465.4
155°	1972.3	1996.8	2021.2	2027.3	2079.8	2149.8	2184.8	2232.3	2327.4	2398.6	2406.4
157.5°	2022.9	2046.6	2070.4	2076.4	2112.5	2160.7	2184.8	2221.7	2295.6	2351.1	2356.5
160°	2057.1	2075.5	2094.1	2098.7	2127.3	2165.7	2184.8	2216.5	2279.9	2327.4	2330.5
162.5°	2091.2	2105.1	2118.9	2122.4	2143.2	2170.9	2184.8	2211.6	2265.0	2305.1	2308.1
165°	2128.3	2140.8	2153.3	2156.5	2166.0	2178.5	2184.8	2203.9	2242.2	2270.9	2274.0
167.5°	2162.5	2168.5	2174.4	2175.8	2183.8	2194.4	2199.6	2212.2	2237.2	2256.0	2257.4
170°	2184.8	2190.7	2196.7	2198.1	2198.6	2199.2	2199.6	2212.2	2237.2	2256.0	2256.0
172.5°	2196.7	2198.0	2199.3	2199.6	2199.6	2199.6	2199.6	2209.6	2229.4	2244.2	2243.0
175°	2213.0	2213.0	2213.0	2213.0	2208.5	2202.6	2199.6	2205.9	2218.5	2227.8	2227.8
177.5°	2213.0	2213.0	2213.0	2213.0	2209.6	2204.9	2202.6	2207.6	2217.4	2224.9	2223.5
180°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	3109.6	3101.0	3109.6	3103.9	3106.8	3098.2	3072.3	3063.7	3072.3	3080.9	3080.9
5°	3146.9	3141.2	3146.9	3146.9	3144.1	3138.3	3109.6	3103.9	3109.6	3112.5	3106.8
7.5°	3158.4	3149.8	3158.4	3152.7	3152.7	3146.9	3118.2	3112.5	3115.4	3124.0	3115.4
10°	3158.4	3149.8	3158.4	3155.5	3152.7	3146.9	3118.2	3106.8	3106.8	3115.4	3106.8
12.5°	3144.1	3138.3	3144.1	3138.3	3138.3	3132.6	3103.9	3092.4	3095.3	3098.2	3086.7
15°	3121.1	3112.5	3121.1	3115.4	3118.2	3109.6	3078.1	3066.6	3066.6	3072.3	3052.3
17.5°	3086.7	3075.2	3086.7	3083.8	3080.9	3075.2	3046.5	3035.1	3032.2	3035.1	3020.7
20°	3046.5	3037.9	3046.5	3043.7	3043.7	3032.2	3003.5	2989.2	2989.2	2989.2	2974.8
22.5°	2983.4	2974.8	2983.4	2989.2	2989.2	2986.3	2960.5	2940.4	2934.7	2934.7	2917.4
25°	2911.7	2903.1	2911.7	2911.7	2908.8	2911.7	2903.1	2891.6	2883.0	2874.4	2857.2
27.5°	2842.9	2837.1	2842.9	2837.1	2842.9	2834.3	2831.4	2828.5	2817.0	2808.4	2785.5
30°	2774.0	2768.3	2774.0	2768.3	2762.5	2756.8	2742.5	2736.7	2748.2	2742.5	2705.2
32.5°	2688.0	2682.2	2688.0	2688.0	2682.2	2682.2	2659.3	2650.7	2653.5	2670.7	2636.3
35°	2599.0	2590.4	2599.0	2596.2	2599.0	2590.4	2576.1	2573.2	2561.7	2581.8	2556.0
37.5°	2495.7	2487.1	2495.7	2495.7	2495.7	2501.4	2489.9	2481.3	2464.1	2489.9	2469.8
40°	2389.5	2378.1	2389.5	2386.7	2389.5	2395.3	2389.5	2383.8	2366.6	2386.7	2369.4
42.5°	2269.0	2266.2	2269.0	2271.9	2271.9	2283.4	2292.0	2280.5	2274.8	2260.4	2271.9
45°	2140.0	2134.2	2140.0	2145.7	2148.6	2154.3	2180.1	2180.1	2171.5	2148.6	2165.8
47.5°	2002.3	1987.9	2002.3	2019.5	2019.5	2028.1	2053.9	2074.0	2059.6	2031.0	2039.6
50°	1856.0	1858.8	1856.0	1867.4	1867.4	1899.0	1919.1	1939.2	1953.5	1919.1	1878.9
52.5°	1712.5	1709.7	1712.5	1721.1	1732.6	1747.0	1781.4	1801.5	1824.4	1804.3	1741.2
55°	1569.1	1574.8	1569.1	1572.0	1577.7	1586.3	1638.0	1658.0	1701.1	1675.3	1609.3
57.5°	1425.7	1417.1	1425.7	1431.4	1434.3	1442.9	1485.9	1523.2	1549.0	1551.9	1471.6
60°	1259.3	1247.8	1259.3	1285.1	1290.9	1296.6	1336.8	1371.2	1394.1	1402.7	1319.5
62.5°	1113.0	1092.9	1113.0	1130.2	1141.7	1156.0	1184.7	1236.4	1256.4	1259.3	1141.7
65°	958.1	949.5	958.1	992.5	995.4	1012.6	1044.2	1081.5	1124.5	1118.7	949.5
67.5°	817.5	817.5	817.5	840.5	857.7	866.3	906.5	923.7	978.2	983.9	791.7
70°	688.5	685.6	688.5	705.7	717.1	737.2	774.5	794.6	837.6	852.0	642.6
72.5°	565.1	562.2	565.1	579.5	590.9	608.1	639.7	662.6	699.9	717.1	499.1
75°	456.1	450.4	456.1	467.6	464.7	487.7	513.5	536.4	570.8	582.3	370.0
77.5°	350.0	350.0	350.0	361.4	361.4	384.4	395.9	424.5	444.6	461.8	272.5
80°	261.0	258.2	261.0	263.9	263.9	275.4	295.5	315.5	332.8	332.8	186.5
82.5°	183.6	177.9	183.6	183.6	183.6	189.3	200.8	206.5	218.0	226.6	117.6
85°	114.7	114.7	114.7	117.6	114.7	120.5	123.3	129.1	129.1	123.3	71.7
87.5°	74.6	71.7	74.6	71.7	71.7	68.8	68.8	68.8	66.0	63.1	40.2
90°	56.4	56.4	56.4	56.4	56.4	75.3	100.3	112.8	97.0	65.3	41.6
92.5°	226.0	181.2	226.0	271.0	282.2	400.0	557.1	635.7	558.1	403.0	286.7
95°	788.0	652.0	788.0	924.0	958.0	1258.0	1657.9	1858.0	1569.2	991.6	558.4
97.5°	1888.0	1629.3	1888.0	2146.7	2211.5	2401.1	2653.9	2780.3	2298.8	1335.7	613.4
100°	2720.3	2412.0	2720.3	3028.6	3105.6	3091.8	3073.3	3064.0	2529.7	1461.0	659.5
102.5°	3539.0	3275.0	3539.0	3803.1	3869.0	3627.4	3305.3	3144.2	2602.3	1518.4	705.5
105°	4582.7	4440.8	4582.7	4724.6	4760.1	4218.5	3496.3	3135.3	2610.5	1561.0	773.8
107.5°	5266.4	5300.8	5266.4	5232.1	5223.5	4468.0	3460.7	2957.1	2494.4	1568.9	874.8
110°	5527.2	5675.0	5527.2	5379.4	5342.3	4497.7	3371.6	2808.5	2391.3	1557.0	931.2



TEST NUMBER: P935530

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5550.4	5777.5	5550.4	5323.4	5266.6	4402.2	3249.7	2673.4	2301.5	1557.4	999.5
115°	5403.3	5718.1	5403.3	5088.4	5009.7	4176.9	3066.7	2511.5	2198.3	1571.9	1102.0
117.5°	5091.2	5440.4	5091.2	4742.0	4654.7	3903.2	2901.2	2400.1	2133.7	1601.0	1201.6
120°	4839.7	5178.9	4839.7	4500.4	4415.6	3729.0	2813.4	2355.6	2112.0	1624.9	1259.5
122.5°	4594.8	4929.5	4594.8	4260.1	4176.5	3558.1	2733.7	2321.4	2100.7	1659.0	1327.8
125°	4245.4	4553.7	4245.4	3937.1	3860.1	3334.8	2634.4	2284.2	2091.2	1705.1	1415.5
127.5°	3931.2	4191.3	3931.2	3671.1	3606.1	3155.1	2553.7	2253.1	2085.7	1751.1	1500.1
130°	3746.1	3986.4	3746.1	3505.8	3445.7	3044.2	2508.9	2241.2	2089.1	1784.7	1556.5
132.5°	3578.1	3793.2	3578.1	3362.9	3309.1	2949.7	2470.4	2230.8	2091.2	1812.0	1602.6
135°	3347.8	3533.3	3347.8	3162.4	3116.0	2815.0	2413.7	2213.0	2089.3	1841.7	1656.0
137.5°	3163.2	3315.0	3163.2	3011.3	2973.4	2718.9	2379.7	2210.0	2102.1	1886.2	1724.3
140°	3036.5	3178.4	3036.5	2894.5	2859.0	2639.2	2346.1	2199.6	2104.2	1913.4	1770.4
142.5°	2931.5	3053.6	2931.5	2809.4	2778.9	2585.8	2328.3	2199.6	2111.8	1936.2	1804.5
145°	2774.0	2866.5	2774.0	2681.6	2658.5	2500.6	2290.1	2184.8	2111.8	1965.9	1856.5
147.5°	2653.2	2729.8	2653.2	2576.7	2557.5	2433.3	2267.6	2184.8	2126.4	2009.5	1921.9
150°	2577.2	2639.3	2577.2	2515.1	2499.6	2394.7	2254.8	2184.8	2133.9	2032.3	1956.1
152.5°	2512.2	2559.1	2512.2	2465.4	2453.6	2364.0	2244.6	2184.8	2138.9	2047.2	1978.4
155°	2437.4	2468.4	2437.4	2406.4	2398.6	2327.4	2232.3	2184.8	2149.8	2079.8	2027.3
157.5°	2378.3	2400.1	2378.3	2356.5	2351.1	2295.6	2221.7	2184.8	2160.7	2112.5	2076.4
160°	2343.1	2355.6	2343.1	2330.5	2327.4	2279.9	2216.5	2184.8	2165.7	2127.3	2098.7
162.5°	2319.9	2331.8	2319.9	2308.1	2305.1	2265.0	2211.6	2184.8	2170.9	2143.2	2122.4
165°	2286.5	2299.2	2286.5	2274.0	2270.9	2242.2	2203.9	2184.8	2178.5	2166.0	2156.5
167.5°	2262.6	2267.9	2262.6	2257.4	2256.0	2237.2	2212.2	2199.6	2194.4	2183.8	2175.8
170°	2256.0	2256.0	2256.0	2256.0	2256.0	2237.2	2212.2	2199.6	2199.2	2198.6	2198.1
172.5°	2238.4	2233.8	2238.4	2243.0	2244.2	2229.4	2209.6	2199.6	2199.6	2199.6	2199.6
175°	2227.8	2227.8	2227.8	2227.8	2227.8	2218.5	2205.9	2199.6	2202.6	2208.5	2213.0
177.5°	2218.3	2213.0	2218.3	2223.5	2224.9	2217.4	2207.6	2202.6	2204.9	2209.6	2213.0
180°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	3075.2	3058.0	3058.0	3029.3	3017.8	3009.2	2994.9	2951.9	2940.4	2928.9	2946.1
5°	3101.0	3069.5	3046.5	2994.9	2951.9	2934.7	2880.1	2776.9	2708.0	2656.4	2627.7
7.5°	3106.8	3066.6	3023.6	2943.3	2840.0	2794.1	2627.7	2438.3	2386.7	2340.8	2312.1
10°	3101.0	3055.1	2994.9	2874.4	2630.6	2550.3	2383.8	2260.4	2228.9	2220.3	2228.9
12.5°	3080.9	3037.9	2954.7	2753.9	2412.5	2358.0	2260.4	2188.7	2183.0	2197.3	2274.8
15°	3046.5	3006.4	2908.8	2593.3	2292.0	2251.8	2183.0	2157.2	2188.7	2289.1	2521.5
17.5°	3012.1	2966.2	2845.7	2435.4	2200.2	2171.5	2122.7	2174.4	2352.2	2487.1	2564.6
20°	2966.2	2911.7	2774.0	2320.7	2134.2	2108.4	2085.5	2317.8	2452.6	2501.4	2544.5
22.5°	2911.7	2854.3	2676.5	2240.4	2065.4	2045.3	2059.6	2398.1	2452.6	2487.1	2524.3
25°	2840.0	2791.2	2561.7	2177.3	2010.9	1987.9	2042.4	2389.5	2421.1	2429.7	2504.3
27.5°	2774.0	2710.9	2441.2	2119.9	1944.9	1936.3	2056.8	2352.2	2375.2	2383.8	2464.1
30°	2693.7	2599.0	2306.3	2059.6	1876.1	1873.2	2059.6	2306.3	2300.6	2323.5	2403.9
32.5°	2610.5	2432.6	2154.3	1985.1	1810.1	1807.2	2039.6	2237.5	2231.8	2263.3	2323.5
35°	2533.1	2303.5	1947.8	1899.0	1726.9	1729.8	1990.8	2157.2	2160.0	2188.7	2226.0
37.5°	2452.6	2191.6	1721.1	1804.3	1646.6	1646.6	1924.8	2082.6	2076.9	2085.5	2137.1
40°	2358.0	2016.6	1520.3	1681.0	1572.0	1563.4	1844.5	2002.3	1982.2	1979.3	2051.0
42.5°	2257.6	1824.4	1371.2	1517.5	1485.9	1474.4	1747.0	1904.7	1867.4	1876.1	1967.8
45°	2148.6	1772.8	1256.4	1282.3	1397.0	1388.4	1640.8	1792.9	1767.0	1790.0	1884.7
47.5°	2039.6	1669.5	1219.1	1064.2	1302.3	1299.5	1523.2	1683.9	1669.5	1692.5	1792.9
50°	1890.4	1554.8	1216.3	912.2	1196.2	1207.7	1382.7	1577.7	1577.7	1597.8	1703.9
52.5°	1698.2	1414.2	1104.4	826.2	1072.8	1107.3	1259.3	1485.9	1491.7	1511.7	1606.4
55°	1523.2	1267.9	1024.1	760.2	926.6	1001.1	1138.8	1391.3	1402.7	1422.8	1508.9
57.5°	1362.6	1055.6	1006.9	682.7	791.7	863.4	1032.7	1299.5	1305.2	1322.4	1405.6
60°	1190.5	763.0	923.7	599.5	674.1	728.6	935.2	1190.5	1210.5	1222.0	1293.7
62.5°	995.4	553.6	837.6	542.2	616.7	628.2	854.8	1087.2	1113.0	1121.6	1164.6
65°	708.5	464.7	711.4	493.4	556.5	559.4	768.8	981.1	1004.0	1018.3	1049.9
67.5°	479.1	378.7	542.2	447.5	510.6	513.5	685.6	857.7	889.3	900.7	920.8
70°	332.8	252.4	401.6	398.7	459.0	464.7	596.7	745.8	774.5	783.1	794.6
72.5°	243.8	203.7	332.8	358.6	404.5	410.2	504.9	619.6	648.3	656.9	662.6
75°	186.5	215.1	269.6	312.7	344.2	347.1	413.1	504.9	524.9	530.7	533.6
77.5°	149.2	200.8	197.9	252.4	281.1	275.4	324.1	390.1	407.3	407.3	407.3
80°	111.9	157.8	149.2	180.7	206.5	200.8	232.4	278.3	284.0	289.7	286.9
82.5°	83.2	100.4	100.4	114.7	137.7	132.0	154.9	180.7	180.7	180.7	186.5
85°	51.6	57.4	45.9	60.2	77.5	74.6	86.1	97.5	100.4	100.4	94.7
87.5°	31.6	25.8	14.3	22.9	34.4	34.4	40.2	43.0	40.2	40.2	40.2
90°	38.6	26.7	14.8	26.7	38.6	41.6	65.3	97.0	112.8	100.3	75.3
92.5°	261.4	160.4	59.4	160.4	261.4	286.7	403.0	558.1	635.7	557.1	400.0
95°	512.2	327.4	142.6	327.4	512.2	558.4	991.6	1569.2	1858.0	1657.9	1258.0
97.5°	572.7	409.5	246.5	409.5	572.7	613.4	1335.7	2298.8	2780.3	2653.9	2401.1
100°	622.5	474.7	326.7	474.7	622.5	659.5	1461.0	2529.7	3064.0	3073.3	3091.8
102.5°	671.0	533.1	395.1	533.1	671.0	705.5	1518.4	2602.3	3144.2	3305.3	3627.4
105°	744.6	627.7	510.9	627.7	744.6	773.8	1561.0	2610.5	3135.3	3496.3	4218.5
107.5°	847.6	738.7	629.7	738.7	847.6	874.8	1568.9	2494.4	2957.1	3460.7	4468.0
110°	906.7	808.3	710.0	808.3	906.7	931.2	1557.0	2391.3	2808.5	3371.6	4497.7



TEST NUMBER: P935530

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	976.1	882.4	788.7	882.4	976.1	999.5	1557.4	2301.5	2673.4	3249.7	4402.2
115°	1080.4	993.9	907.4	993.9	1080.4	1102.0	1571.9	2198.3	2511.5	3066.7	4176.9
117.5°	1182.0	1103.4	1024.8	1103.4	1182.0	1201.6	1601.0	2133.7	2400.1	2901.2	3903.2
120°	1241.0	1167.0	1093.1	1167.0	1241.0	1259.5	1624.9	2112.0	2355.6	2813.4	3729.0
122.5°	1309.1	1234.5	1160.0	1234.5	1309.1	1327.8	1659.0	2100.7	2321.4	2733.7	3558.1
125°	1398.4	1330.4	1262.5	1330.4	1398.4	1415.5	1705.1	2091.2	2284.2	2634.4	3334.8
127.5°	1483.0	1414.3	1345.7	1414.3	1483.0	1500.1	1751.1	2085.7	2253.1	2553.7	3155.1
130°	1538.0	1464.1	1390.2	1464.1	1538.0	1556.5	1784.7	2089.1	2241.2	2508.9	3044.2
132.5°	1584.1	1510.1	1436.2	1510.1	1584.1	1602.6	1812.0	2091.2	2230.8	2470.4	2949.7
135°	1639.2	1571.9	1504.6	1571.9	1639.2	1656.0	1841.7	2089.3	2213.0	2413.7	2815.0
137.5°	1707.7	1641.0	1574.4	1641.0	1707.7	1724.3	1886.2	2102.1	2210.0	2379.7	2718.9
140°	1755.0	1693.6	1632.2	1693.6	1755.0	1770.4	1913.4	2104.2	2199.6	2346.1	2639.2
142.5°	1790.4	1733.6	1676.8	1733.6	1790.4	1804.5	1936.2	2111.8	2199.6	2328.3	2585.8
145°	1844.2	1794.7	1745.1	1794.7	1844.2	1856.5	1965.9	2111.8	2184.8	2290.1	2500.6
147.5°	1909.8	1861.6	1813.4	1861.6	1909.8	1921.9	2009.5	2126.4	2184.8	2267.6	2433.3
150°	1945.2	1901.6	1858.0	1901.6	1945.2	1956.1	2032.3	2133.9	2184.8	2254.8	2394.7
152.5°	1970.1	1937.1	1904.1	1937.1	1970.1	1978.4	2047.2	2138.9	2184.8	2244.6	2364.0
155°	2021.2	1996.8	1972.3	1996.8	2021.2	2027.3	2079.8	2149.8	2184.8	2232.3	2327.4
157.5°	2070.4	2046.6	2022.9	2046.6	2070.4	2076.4	2112.5	2160.7	2184.8	2221.7	2295.6
160°	2094.1	2075.5	2057.1	2075.5	2094.1	2098.7	2127.3	2165.7	2184.8	2216.5	2279.9
162.5°	2118.9	2105.1	2091.2	2105.1	2118.9	2122.4	2143.2	2170.9	2184.8	2211.6	2265.0
165°	2153.3	2140.8	2128.3	2140.8	2153.3	2156.5	2166.0	2178.5	2184.8	2203.9	2242.2
167.5°	2174.4	2168.5	2162.5	2168.5	2174.4	2175.8	2183.8	2194.4	2199.6	2212.2	2237.2
170°	2196.7	2190.7	2184.8	2190.7	2196.7	2198.1	2198.6	2199.2	2199.6	2212.2	2237.2
172.5°	2199.3	2198.0	2196.7	2198.0	2199.3	2199.6	2199.6	2199.6	2199.6	2209.6	2229.4
175°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2208.5	2202.6	2199.6	2205.9	2218.5
177.5°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2209.6	2204.9	2202.6	2207.6	2217.4
180°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0



TEST NUMBER: P935530
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	2926.0	2917.4	2928.9	2897.4	2928.9	2917.4	2926.0	2946.1	2928.9	2940.4	2951.9
5°	2567.5	2553.1	2507.1	2469.8	2507.1	2553.1	2567.5	2627.7	2656.4	2708.0	2776.9
7.5°	2294.9	2283.4	2271.9	2249.0	2271.9	2283.4	2294.9	2312.1	2340.8	2386.7	2438.3
10°	2234.6	2237.5	2254.7	2251.8	2254.7	2237.5	2234.6	2228.9	2220.3	2228.9	2260.4
12.5°	2389.5	2415.3	2510.0	2504.3	2510.0	2415.3	2389.5	2274.8	2197.3	2183.0	2188.7
15°	2567.5	2576.1	2596.2	2599.0	2596.2	2576.1	2567.5	2521.5	2289.1	2188.7	2157.2
17.5°	2584.7	2587.6	2601.9	2601.9	2601.9	2587.6	2584.7	2564.6	2487.1	2352.2	2174.4
20°	2570.3	2576.1	2604.8	2610.5	2604.8	2576.1	2570.3	2544.5	2501.4	2452.6	2317.8
22.5°	2564.6	2576.1	2599.0	2596.2	2599.0	2576.1	2564.6	2524.3	2487.1	2452.6	2398.1
25°	2535.9	2535.9	2538.8	2541.7	2538.8	2535.9	2535.9	2504.3	2429.7	2421.1	2389.5
27.5°	2475.6	2481.3	2498.5	2495.7	2498.5	2481.3	2475.6	2464.1	2383.8	2375.2	2352.2
30°	2421.1	2415.3	2401.0	2389.5	2401.0	2415.3	2421.1	2403.9	2323.5	2300.6	2306.3
32.5°	2329.3	2314.9	2300.6	2292.0	2300.6	2314.9	2329.3	2323.5	2263.3	2231.8	2237.5
35°	2220.3	2223.1	2220.3	2211.7	2220.3	2223.1	2220.3	2226.0	2188.7	2160.0	2157.2
37.5°	2142.8	2148.6	2145.7	2134.2	2145.7	2148.6	2142.8	2137.1	2085.5	2076.9	2082.6
40°	2062.5	2065.4	2062.5	2053.9	2062.5	2065.4	2062.5	2051.0	1979.3	1982.2	2002.3
42.5°	1985.1	1982.2	1973.6	1967.8	1973.6	1982.2	1985.1	1967.8	1876.1	1867.4	1904.7
45°	1896.1	1899.0	1881.8	1873.2	1881.8	1899.0	1896.1	1884.7	1790.0	1767.0	1792.9
47.5°	1807.2	1807.2	1792.9	1784.3	1792.9	1807.2	1807.2	1792.9	1692.5	1669.5	1683.9
50°	1712.5	1709.7	1689.6	1686.7	1689.6	1709.7	1712.5	1703.9	1597.8	1577.7	1577.7
52.5°	1603.5	1603.5	1606.4	1612.1	1606.4	1603.5	1603.5	1606.4	1511.7	1491.7	1485.9
55°	1508.9	1511.7	1531.8	1537.6	1531.8	1511.7	1508.9	1508.9	1422.8	1402.7	1391.3
57.5°	1411.3	1411.3	1425.7	1425.7	1425.7	1411.3	1411.3	1405.6	1322.4	1305.2	1299.5
60°	1299.5	1305.2	1316.7	1313.8	1316.7	1305.2	1299.5	1293.7	1222.0	1210.5	1190.5
62.5°	1181.9	1187.6	1190.5	1184.7	1190.5	1187.6	1181.9	1164.6	1121.6	1113.0	1087.2
65°	1058.5	1064.2	1067.1	1061.4	1067.1	1064.2	1058.5	1049.9	1018.3	1004.0	981.1
67.5°	932.3	929.4	926.6	938.0	926.6	929.4	932.3	920.8	900.7	889.3	857.7
70°	803.2	803.2	800.3	806.1	800.3	803.2	803.2	794.6	783.1	774.5	745.8
72.5°	665.5	662.6	674.1	665.5	674.1	662.6	665.5	662.6	656.9	648.3	619.6
75°	530.7	536.4	530.7	539.3	530.7	536.4	530.7	533.6	530.7	524.9	504.9
77.5°	404.5	410.2	404.5	404.5	404.5	410.2	404.5	407.3	407.3	407.3	390.1
80°	286.9	284.0	284.0	281.1	284.0	284.0	286.9	286.9	289.7	284.0	278.3
82.5°	183.6	180.7	180.7	186.5	180.7	180.7	183.6	186.5	180.7	180.7	180.7
85°	100.4	103.3	97.5	97.5	97.5	103.3	100.4	94.7	100.4	100.4	97.5
87.5°	37.3	34.4	34.4	34.4	34.4	34.4	37.3	40.2	40.2	40.2	43.0
90°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	75.3	100.3	112.8	97.0
92.5°	282.2	271.0	226.0	181.2	226.0	271.0	282.2	400.0	557.1	635.7	558.1
95°	958.0	924.0	788.0	652.0	788.0	924.0	958.0	1258.0	1657.9	1858.0	1569.2
97.5°	2211.5	2146.7	1888.0	1629.3	1888.0	2146.7	2211.5	2401.1	2653.9	2780.3	2298.8
100°	3105.6	3028.6	2720.3	2412.0	2720.3	3028.6	3105.6	3091.8	3073.3	3064.0	2529.7
102.5°	3869.0	3803.1	3539.0	3275.0	3539.0	3803.1	3869.0	3627.4	3305.3	3144.2	2602.3
105°	4760.1	4724.6	4582.7	4440.8	4582.7	4724.6	4760.1	4218.5	3496.3	3135.3	2610.5
107.5°	5223.5	5232.1	5266.4	5300.8	5266.4	5232.1	5223.5	4468.0	3460.7	2957.1	2494.4
110°	5342.3	5379.4	5527.2	5675.0	5527.2	5379.4	5342.3	4497.7	3371.6	2808.5	2391.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5266.6	5323.4	5550.4	5777.5	5550.4	5323.4	5266.6	4402.2	3249.7	2673.4	2301.5
115°	5009.7	5088.4	5403.3	5718.1	5403.3	5088.4	5009.7	4176.9	3066.7	2511.5	2198.3
117.5°	4654.7	4742.0	5091.2	5440.4	5091.2	4742.0	4654.7	3903.2	2901.2	2400.1	2133.7
120°	4415.6	4500.4	4839.7	5178.9	4839.7	4500.4	4415.6	3729.0	2813.4	2355.6	2112.0
122.5°	4176.5	4260.1	4594.8	4929.5	4594.8	4260.1	4176.5	3558.1	2733.7	2321.4	2100.7
125°	3860.1	3937.1	4245.4	4553.7	4245.4	3937.1	3860.1	3334.8	2634.4	2284.2	2091.2
127.5°	3606.1	3671.1	3931.2	4191.3	3931.2	3671.1	3606.1	3155.1	2553.7	2253.1	2085.7
130°	3445.7	3505.8	3746.1	3986.4	3746.1	3505.8	3445.7	3044.2	2508.9	2241.2	2089.1
132.5°	3309.1	3362.9	3578.1	3793.2	3578.1	3362.9	3309.1	2949.7	2470.4	2230.8	2091.2
135°	3116.0	3162.4	3347.8	3533.3	3347.8	3162.4	3116.0	2815.0	2413.7	2213.0	2089.3
137.5°	2973.4	3011.3	3163.2	3315.0	3163.2	3011.3	2973.4	2718.9	2379.7	2210.0	2102.1
140°	2859.0	2894.5	3036.5	3178.4	3036.5	2894.5	2859.0	2639.2	2346.1	2199.6	2104.2
142.5°	2778.9	2809.4	2931.5	3053.6	2931.5	2809.4	2778.9	2585.8	2328.3	2199.6	2111.8
145°	2658.5	2681.6	2774.0	2866.5	2774.0	2681.6	2658.5	2500.6	2290.1	2184.8	2111.8
147.5°	2557.5	2576.7	2653.2	2729.8	2653.2	2576.7	2557.5	2433.3	2267.6	2184.8	2126.4
150°	2499.6	2515.1	2577.2	2639.3	2577.2	2515.1	2499.6	2394.7	2254.8	2184.8	2133.9
152.5°	2453.6	2465.4	2512.2	2559.1	2512.2	2465.4	2453.6	2364.0	2244.6	2184.8	2138.9
155°	2398.6	2406.4	2437.4	2468.4	2437.4	2406.4	2398.6	2327.4	2232.3	2184.8	2149.8
157.5°	2351.1	2356.5	2378.3	2400.1	2378.3	2356.5	2351.1	2295.6	2221.7	2184.8	2160.7
160°	2327.4	2330.5	2343.1	2355.6	2343.1	2330.5	2327.4	2279.9	2216.5	2184.8	2165.7
162.5°	2305.1	2308.1	2319.9	2331.8	2319.9	2308.1	2305.1	2265.0	2211.6	2184.8	2170.9
165°	2270.9	2274.0	2286.5	2299.2	2286.5	2274.0	2270.9	2242.2	2203.9	2184.8	2178.5
167.5°	2256.0	2257.4	2262.6	2267.9	2262.6	2257.4	2256.0	2237.2	2212.2	2199.6	2194.4
170°	2256.0	2256.0	2256.0	2256.0	2256.0	2256.0	2256.0	2237.2	2212.2	2199.6	2199.2
172.5°	2244.2	2243.0	2238.4	2233.8	2238.4	2243.0	2244.2	2229.4	2209.6	2199.6	2199.6
175°	2227.8	2227.8	2227.8	2227.8	2227.8	2227.8	2227.8	2218.5	2205.9	2199.6	2202.6
177.5°	2224.9	2223.5	2218.3	2213.0	2218.3	2223.5	2224.9	2217.4	2207.6	2202.6	2204.9
180°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3032.2	3032.2	3032.2	3032.2	3032.2
2.5°	2994.9	3009.2	3017.8	3029.3	3058.0
5°	2880.1	2934.7	2951.9	2994.9	3046.5
7.5°	2627.7	2794.1	2840.0	2943.3	3023.6
10°	2383.8	2550.3	2630.6	2874.4	2994.9
12.5°	2260.4	2358.0	2412.5	2753.9	2954.7
15°	2183.0	2251.8	2292.0	2593.3	2908.8
17.5°	2122.7	2171.5	2200.2	2435.4	2845.7
20°	2085.5	2108.4	2134.2	2320.7	2774.0
22.5°	2059.6	2045.3	2065.4	2240.4	2676.5
25°	2042.4	1987.9	2010.9	2177.3	2561.7
27.5°	2056.8	1936.3	1944.9	2119.9	2441.2
30°	2059.6	1873.2	1876.1	2059.6	2306.3
32.5°	2039.6	1807.2	1810.1	1985.1	2154.3
35°	1990.8	1729.8	1726.9	1899.0	1947.8
37.5°	1924.8	1646.6	1646.6	1804.3	1721.1
40°	1844.5	1563.4	1572.0	1681.0	1520.3
42.5°	1747.0	1474.4	1485.9	1517.5	1371.2
45°	1640.8	1388.4	1397.0	1282.3	1256.4
47.5°	1523.2	1299.5	1302.3	1064.2	1219.1
50°	1382.7	1207.7	1196.2	912.2	1216.3
52.5°	1259.3	1107.3	1072.8	826.2	1104.4
55°	1138.8	1001.1	926.6	760.2	1024.1
57.5°	1032.7	863.4	791.7	682.7	1006.9
60°	935.2	728.6	674.1	599.5	923.7
62.5°	854.8	628.2	616.7	542.2	837.6
65°	768.8	559.4	556.5	493.4	711.4
67.5°	685.6	513.5	510.6	447.5	542.2
70°	596.7	464.7	459.0	398.7	401.6
72.5°	504.9	410.2	404.5	358.6	332.8
75°	413.1	347.1	344.2	312.7	269.6
77.5°	324.1	275.4	281.1	252.4	197.9
80°	232.4	200.8	206.5	180.7	149.2
82.5°	154.9	132.0	137.7	114.7	100.4
85°	86.1	74.6	77.5	60.2	45.9
87.5°	40.2	34.4	34.4	22.9	14.3
90°	65.3	41.6	38.6	26.7	14.8
92.5°	403.0	286.7	261.4	160.4	59.4
95°	991.6	558.4	512.2	327.4	142.6
97.5°	1335.7	613.4	572.7	409.5	246.5
100°	1461.0	659.5	622.5	474.7	326.7
102.5°	1518.4	705.5	671.0	533.1	395.1
105°	1561.0	773.8	744.6	627.7	510.9
107.5°	1568.9	874.8	847.6	738.7	629.7
110°	1557.0	931.2	906.7	808.3	710.0



TEST NUMBER: P935530

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1557.4	999.5	976.1	882.4	788.7
115°	1571.9	1102.0	1080.4	993.9	907.4
117.5°	1601.0	1201.6	1182.0	1103.4	1024.8
120°	1624.9	1259.5	1241.0	1167.0	1093.1
122.5°	1659.0	1327.8	1309.1	1234.5	1160.0
125°	1705.1	1415.5	1398.4	1330.4	1262.5
127.5°	1751.1	1500.1	1483.0	1414.3	1345.7
130°	1784.7	1556.5	1538.0	1464.1	1390.2
132.5°	1812.0	1602.6	1584.1	1510.1	1436.2
135°	1841.7	1656.0	1639.2	1571.9	1504.6
137.5°	1886.2	1724.3	1707.7	1641.0	1574.4
140°	1913.4	1770.4	1755.0	1693.6	1632.2
142.5°	1936.2	1804.5	1790.4	1733.6	1676.8
145°	1965.9	1856.5	1844.2	1794.7	1745.1
147.5°	2009.5	1921.9	1909.8	1861.6	1813.4
150°	2032.3	1956.1	1945.2	1901.6	1858.0
152.5°	2047.2	1978.4	1970.1	1937.1	1904.1
155°	2079.8	2027.3	2021.2	1996.8	1972.3
157.5°	2112.5	2076.4	2070.4	2046.6	2022.9
160°	2127.3	2098.7	2094.1	2075.5	2057.1
162.5°	2143.2	2122.4	2118.9	2105.1	2091.2
165°	2166.0	2156.5	2153.3	2140.8	2128.3
167.5°	2183.8	2175.8	2174.4	2168.5	2162.5
170°	2198.6	2198.1	2196.7	2190.7	2184.8
172.5°	2199.6	2199.6	2199.3	2198.0	2196.7
175°	2208.5	2213.0	2213.0	2213.0	2213.0
177.5°	2209.6	2213.0	2213.0	2213.0	2213.0
180°	2213.0	2213.0	2213.0	2213.0	2213.0



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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	11.07	11.81	12.14	12.89	14.35	13.92	14.66	14.99	15.74	17.20
	3H	11.54	12.20	12.62	13.28	14.77	15.26	15.93	16.34	17.01	18.49
	4H	11.72	12.35	12.81	13.44	14.93	15.70	16.34	16.80	17.42	18.91
	6H	11.83	12.41	12.94	13.50	15.00	15.99	16.57	17.09	17.66	19.16
	8H	11.83	12.38	12.94	13.49	14.98	16.06	16.62	17.17	17.72	19.21
	12H	11.80	12.32	12.91	13.42	14.94	16.10	16.63	17.21	17.72	19.24
4H	2H	12.09	12.72	13.19	13.81	15.30	14.31	14.94	15.41	16.03	17.52
	3H	13.11	13.63	14.21	14.74	16.25	15.81	16.34	16.92	17.45	18.95
	4H	13.38	13.86	14.49	14.96	16.48	16.34	16.82	17.45	17.92	19.45
	6H	13.50	13.91	14.61	15.03	16.55	16.70	17.12	17.82	18.24	19.76
	8H	13.50	13.89	14.62	15.00	16.53	16.81	17.20	17.93	18.31	19.85
	12H	13.46	13.81	14.60	14.94	16.47	16.87	17.22	18.00	18.35	19.88
8H	4H	13.82	14.21	14.94	15.33	16.86	16.45	16.84	17.57	17.96	19.49
	6H	14.08	14.40	15.22	15.56	17.09	16.89	17.21	18.03	18.37	19.90
	8H	14.12	14.40	15.27	15.54	17.09	17.05	17.33	18.19	18.46	20.01
	12H	14.10	14.35	15.25	15.48	17.07	17.14	17.39	18.29	18.52	20.11
12H	4H	13.83	14.18	14.96	15.30	16.84	16.41	16.76	17.55	17.89	19.43
	6H	14.14	14.42	15.29	15.56	17.11	16.89	17.17	18.03	18.31	19.85
	8H	14.20	14.45	15.35	15.58	17.17	17.05	17.29	18.20	18.43	20.01