

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: P935525

Luminaire Tested: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

**Test Information**

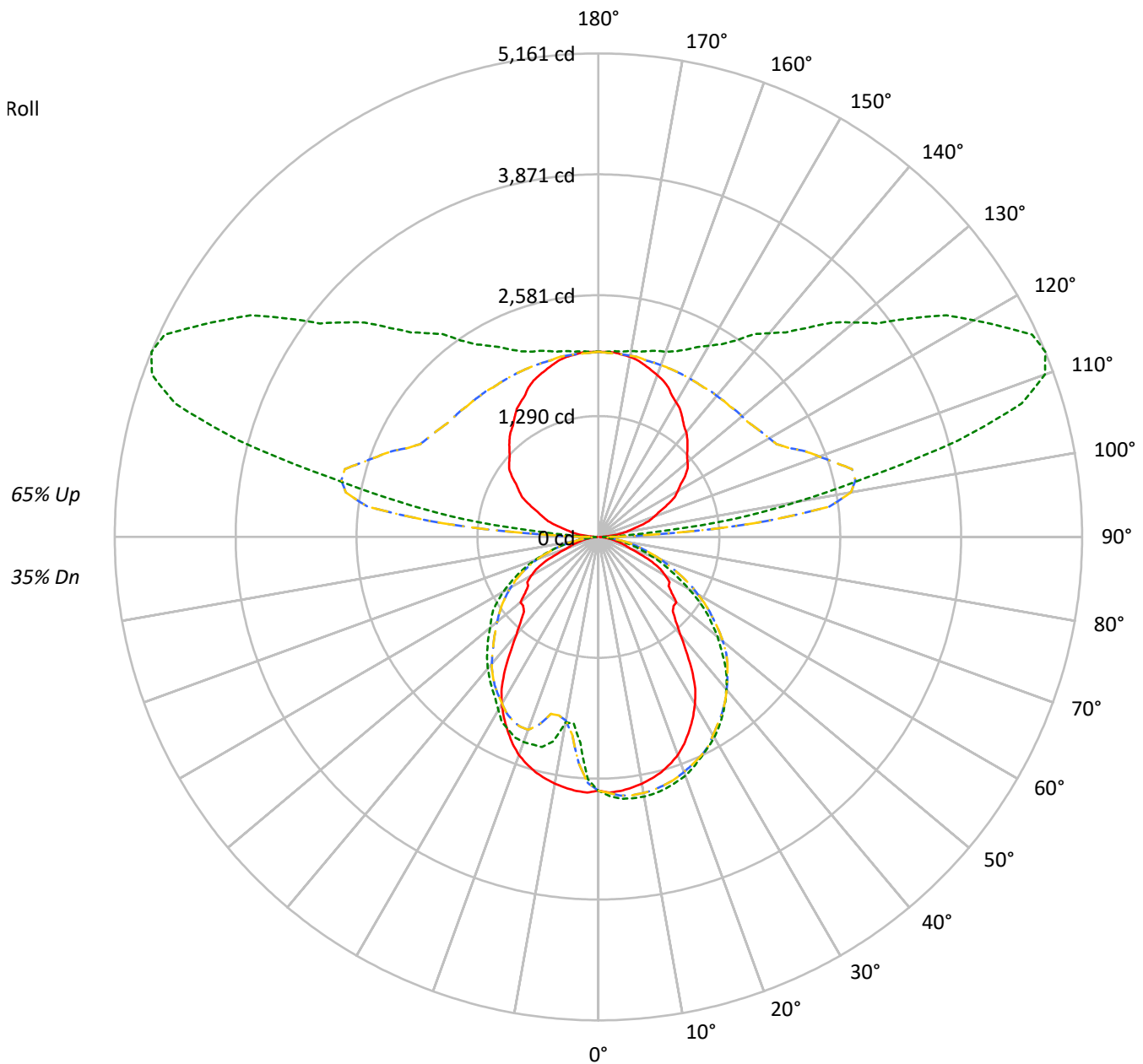
Test Method: LM-79-2019  
Report Number: P935525  
REPORT IS A COMBINATION OF REPORTS P933757 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19844.7 lumens  
Efficiency: N/A  
Efficacy: 119.0 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 (A<sub>in</sub>): 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°	8378	8378	8378	8378
5°	8443	8457	8443	6649
10°	8390	8330	8390	5956
15°	8302	8150	8302	6805
20°	8132	7936	8132	6820
25°	7779	7624	7779	6675
30°	7323	7365	7323	6358
35°	6532	7038	6532	6009
40°	5446	6652	5446	5746
45°	4869	6201	4869	5442
50°	5177	5663	5177	5139
55°	4875	5083	4875	4962
60°	5032	4317	5032	4545
65°	4569	3568	4569	3989
70°	3171	2844	3171	3344
75°	2792	2102	2792	2517
80°	2266	1390	2266	1513
85°	1329	736	1329	626

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7457 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.5	1.2
10°-20°	694.2	3.5
20°-30°	1073.1	5.4
30°-40°	1281.0	6.5
40°-50°	1288.5	6.5
50°-60°	1121.1	5.6
60°-70°	794.9	4.0
70°-80°	420.6	2.1
80°-90°	112.3	0.6
90°-100°	963.6	4.9
100°-110°	2533.3	12.8
110°-120°	2626.8	13.2
120°-130°	2107.0	10.6
130°-140°	1653.2	8.3
140°-150°	1268.9	6.4
150°-160°	913.8	4.6
160°-170°	559.1	2.8
170°-180°	188.9	1.0
0°-30°	2011.7	10.1
0°-40°	3292.7	16.6
0°-60°	5702.4	28.7
0°-90°	7030.1	35.4
90°-120°	6123.6	30.9
90°-150°	11152.7	56.2
90°-180°	12815.0	64.6
0°-180°	19844.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2708	2708	2708	2708	2708	
5°	2721	2806	2721	2206	2721	258
15°	2598	2780	2598	2322	2598	731
25°	2288	2593	2288	2270	2288	1051
35°	1740	2314	1740	1976	1740	1076
45°	1122	1906	1122	1673	1122	899
55°	915	1407	915	1373	915	841
65°	636	848	636	948	636	607
75°	241	402	241	482	241	253
85°	41	102	41	87	41	55
90°	13	50	13	50	13	13
95°	127	582	127	582	127	141
105°	456	3967	456	3967	456	484
115°	811	5108	811	5108	811	801
125°	1128	4068	1128	4068	1128	1001
135°	1344	3156	1344	3156	1344	1040
145°	1559	2560	1559	2560	1559	977
155°	1762	2205	1762	2205	1762	810
165°	1901	2054	1901	2054	1901	537
175°	1977	1990	1977	1990	1977	188
180°	1977	1977	1977	1977	1977	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2731.6	2731.6	2747.0	2752.1	2752.1	2744.4	2736.7	2744.4	2767.5	2775.1	2772.6
5°	2721.3	2741.8	2770.0	2775.1	2780.3	2777.7	2772.6	2777.7	2803.3	2808.5	2811.0
7.5°	2700.8	2739.3	2775.1	2782.8	2790.5	2782.8	2780.3	2785.4	2811.0	2816.1	2816.1
10°	2675.2	2729.0	2770.0	2775.1	2782.8	2775.1	2775.1	2785.4	2811.0	2816.1	2818.7
12.5°	2639.3	2713.7	2752.1	2757.2	2767.5	2764.9	2762.3	2772.6	2798.2	2803.3	2803.3
15°	2598.3	2685.5	2721.3	2726.5	2744.4	2739.3	2739.3	2749.5	2777.7	2785.4	2782.8
17.5°	2542.0	2649.6	2690.6	2698.3	2711.1	2708.5	2711.1	2721.3	2747.0	2752.1	2754.6
20°	2477.9	2600.9	2649.6	2657.3	2670.1	2670.1	2670.1	2682.9	2708.5	2718.8	2718.8
22.5°	2390.8	2549.7	2600.9	2606.0	2621.4	2621.4	2626.5	2644.5	2667.5	2670.1	2670.1
25°	2288.3	2493.3	2536.8	2552.2	2567.6	2575.3	2583.0	2593.2	2600.9	2598.3	2600.9
27.5°	2180.6	2421.5	2477.9	2488.2	2508.7	2516.3	2526.6	2529.2	2531.7	2539.4	2534.3
30°	2060.2	2321.6	2406.2	2416.4	2449.7	2454.8	2444.6	2449.7	2462.5	2467.7	2472.8
32.5°	1924.4	2172.9	2331.9	2354.9	2385.7	2370.3	2367.7	2375.4	2395.9	2395.9	2401.0
35°	1739.9	2057.6	2262.7	2283.2	2306.2	2288.3	2298.5	2301.1	2313.9	2321.6	2319.0
37.5°	1537.4	1957.7	2190.8	2206.2	2224.1	2201.1	2216.5	2224.1	2234.4	2229.3	2229.3
40°	1358.1	1801.4	2106.3	2116.5	2131.9	2114.0	2129.3	2134.5	2139.6	2134.5	2131.9
42.5°	1224.8	1629.7	2016.6	2029.4	2019.2	2032.0	2037.1	2047.3	2039.7	2029.4	2029.4
45°	1122.3	1583.6	1919.2	1934.6	1919.2	1939.7	1947.4	1947.4	1924.4	1919.2	1916.7
47.5°	1089.0	1491.3	1821.9	1821.9	1814.2	1839.8	1852.6	1834.7	1811.6	1803.9	1803.9
50°	1086.5	1388.8	1688.6	1678.4	1714.2	1745.0	1732.2	1714.2	1696.3	1668.1	1668.1
52.5°	986.5	1263.3	1516.9	1555.4	1611.7	1629.7	1609.2	1591.2	1560.5	1547.7	1537.4
55°	914.8	1132.6	1360.6	1437.5	1496.4	1519.5	1481.1	1463.1	1417.0	1409.3	1404.2
57.5°	899.4	943.0	1217.1	1314.5	1386.2	1383.7	1360.6	1327.3	1288.9	1281.2	1278.6
60°	825.1	681.6	1063.4	1178.7	1253.0	1245.3	1224.8	1194.1	1158.2	1153.1	1147.9
62.5°	748.2	494.5	889.1	1019.8	1124.9	1122.3	1104.4	1058.3	1032.6	1019.8	1009.6
65°	635.5	415.1	632.9	848.1	999.3	1004.5	966.0	932.7	904.5	889.1	886.6
67.5°	484.3	338.2	427.9	707.2	878.9	873.8	825.1	809.7	773.8	766.2	750.8
70°	358.7	225.5	297.2	574.0	761.0	748.2	709.8	691.8	658.5	640.6	630.3
72.5°	297.2	181.9	217.8	445.9	640.6	625.2	591.9	571.4	543.2	527.9	517.6
75°	240.9	192.2	166.6	330.5	520.2	509.9	479.2	458.7	435.6	415.1	417.7
77.5°	176.8	179.4	133.2	243.4	412.5	397.2	379.2	353.6	343.4	322.9	322.9
80°	133.2	140.9	99.9	166.6	297.2	297.2	281.9	263.9	246.0	235.7	235.7
82.5°	89.7	89.7	74.3	105.1	202.4	194.7	184.5	179.4	169.1	164.0	164.0
85°	41.0	51.2	46.1	64.1	110.2	115.3	115.3	110.2	107.6	102.5	105.1
87.5°	12.8	23.1	28.2	35.9	56.4	58.9	61.5	61.5	61.5	64.1	64.1
90°	13.2	23.8	34.5	37.2	58.3	86.6	100.8	89.6	67.2	50.4	50.4
92.5°	53.0	143.2	233.5	256.1	360.0	498.6	567.8	497.6	357.3	252.1	242.1
95°	127.4	292.5	457.6	498.8	885.7	1401.7	1659.7	1481.0	1123.7	855.8	825.3
97.5°	220.2	365.8	511.5	547.9	1193.1	2053.4	2483.5	2370.6	2144.8	1975.4	1917.6
100°	291.9	424.0	556.0	589.1	1305.0	2259.7	2737.0	2745.3	2761.7	2774.1	2705.3
102.5°	352.9	476.2	599.3	630.2	1356.4	2324.5	2808.6	2952.5	3240.2	3456.1	3397.1
105°	456.4	560.7	665.1	691.2	1394.4	2331.9	2800.6	3123.1	3768.2	4252.0	4220.3
107.5°	562.5	659.8	757.1	781.4	1401.5	2228.2	2641.5	3091.3	3991.1	4665.9	4673.6
110°	634.2	722.0	809.9	831.8	1390.8	2136.1	2508.7	3011.7	4017.6	4772.1	4805.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	704.5	788.2	871.9	892.8	1391.2	2055.8	2388.1	2902.8	3932.3	4704.5	4755.2
115°	810.6	887.8	965.1	984.4	1404.1	1963.6	2243.5	2739.4	3731.1	4474.9	4545.2
117.5°	915.5	985.6	1055.8	1073.3	1430.2	1906.0	2143.9	2591.5	3486.6	4157.8	4235.8
120°	976.4	1042.5	1108.6	1125.1	1451.4	1886.6	2104.1	2513.1	3330.9	3944.3	4020.0
122.5°	1036.1	1102.8	1169.4	1186.0	1481.9	1876.4	2073.7	2441.9	3178.3	3730.7	3805.4
125°	1127.7	1188.4	1249.2	1264.4	1523.1	1868.0	2040.4	2353.2	2978.9	3448.0	3516.9
127.5°	1202.0	1263.3	1324.7	1340.0	1564.2	1863.1	2012.6	2281.1	2818.3	3221.2	3279.3
130°	1241.8	1307.8	1373.9	1390.3	1594.2	1866.1	2002.0	2241.1	2719.3	3077.9	3131.6
132.5°	1282.9	1348.9	1415.0	1431.5	1618.6	1868.0	1992.7	2206.7	2634.8	2955.9	3004.0
135°	1344.0	1404.1	1464.2	1479.3	1645.1	1866.3	1976.8	2156.1	2514.6	2783.4	2824.9
137.5°	1406.3	1465.9	1525.4	1540.2	1684.9	1877.7	1974.1	2125.7	2428.7	2656.0	2689.9
140°	1458.0	1512.8	1567.7	1581.4	1709.2	1879.6	1964.8	2095.7	2357.5	2553.8	2585.5
142.5°	1497.8	1548.5	1599.3	1611.9	1729.5	1886.4	1964.8	2079.8	2309.8	2482.3	2509.5
145°	1558.9	1603.1	1647.4	1658.4	1756.1	1886.4	1951.6	2045.6	2233.7	2374.7	2395.4
147.5°	1619.9	1662.9	1705.9	1716.7	1795.0	1899.4	1951.6	2025.6	2173.6	2284.5	2301.6
150°	1659.7	1698.6	1737.6	1747.3	1815.4	1906.2	1951.6	2014.1	2139.1	2232.8	2246.6
152.5°	1700.8	1730.3	1759.8	1767.2	1828.7	1910.6	1951.6	2005.0	2111.7	2191.7	2202.2
155°	1761.8	1783.7	1805.5	1810.9	1857.8	1920.3	1951.6	1994.0	2078.9	2142.6	2149.5
157.5°	1807.0	1828.2	1849.4	1854.7	1887.0	1930.1	1951.6	1984.6	2050.6	2100.1	2105.0
160°	1837.5	1854.0	1870.5	1874.6	1900.3	1934.5	1951.6	1979.9	2036.5	2078.9	2081.8
162.5°	1868.0	1880.4	1892.7	1895.8	1914.4	1939.2	1951.6	1975.5	2023.3	2059.0	2061.7
165°	1901.1	1912.3	1923.5	1926.3	1934.8	1946.0	1951.6	1968.7	2002.8	2028.5	2031.3
167.5°	1931.7	1937.0	1942.3	1943.6	1950.7	1960.1	1964.8	1976.0	1998.4	2015.2	2016.4
170°	1951.6	1956.9	1962.2	1963.5	1963.9	1964.5	1964.8	1976.0	1998.4	2015.2	2015.2
172.5°	1962.2	1963.4	1964.6	1964.8	1964.8	1964.8	1964.8	1973.7	1991.4	2004.6	2003.6
175°	1976.8	1976.8	1976.8	1976.8	1972.8	1967.5	1964.8	1970.5	1981.7	1990.0	1990.0
177.5°	1976.8	1976.8	1976.8	1976.8	1973.7	1969.5	1967.5	1971.9	1980.7	1987.4	1986.2
180°	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2777.7	2770.0	2777.7	2772.6	2775.1	2767.5	2744.4	2736.7	2744.4	2752.1	2752.1
5°	2811.0	2805.9	2811.0	2811.0	2808.5	2803.3	2777.7	2772.6	2777.7	2780.3	2775.1
7.5°	2821.3	2813.6	2821.3	2816.1	2816.1	2811.0	2785.4	2780.3	2782.8	2790.5	2782.8
10°	2821.3	2813.6	2821.3	2818.7	2816.1	2811.0	2785.4	2775.1	2775.1	2782.8	2775.1
12.5°	2808.5	2803.3	2808.5	2803.3	2803.3	2798.2	2772.6	2762.3	2764.9	2767.5	2757.2
15°	2788.0	2780.3	2788.0	2782.8	2785.4	2777.7	2749.5	2739.3	2739.3	2744.4	2726.5
17.5°	2757.2	2747.0	2757.2	2754.6	2752.1	2747.0	2721.3	2711.1	2708.5	2711.1	2698.3
20°	2721.3	2713.7	2721.3	2718.8	2718.8	2708.5	2682.9	2670.1	2670.1	2670.1	2657.3
22.5°	2665.0	2657.3	2665.0	2670.1	2670.1	2667.5	2644.5	2626.5	2621.4	2621.4	2606.0
25°	2600.9	2593.2	2600.9	2600.9	2598.3	2600.9	2593.2	2583.0	2575.3	2567.6	2552.2
27.5°	2539.4	2534.3	2539.4	2534.3	2539.4	2531.7	2529.2	2526.6	2516.3	2508.7	2488.2
30°	2477.9	2472.8	2477.9	2472.8	2467.7	2462.5	2449.7	2444.6	2454.8	2449.7	2416.4
32.5°	2401.0	2395.9	2401.0	2401.0	2395.9	2395.9	2375.4	2367.7	2370.3	2385.7	2354.9
35°	2321.6	2313.9	2321.6	2319.0	2321.6	2313.9	2301.1	2298.5	2288.3	2306.2	2283.2
37.5°	2229.3	2221.6	2229.3	2229.3	2229.3	2234.4	2224.1	2216.5	2201.1	2224.1	2206.2
40°	2134.5	2124.2	2134.5	2131.9	2134.5	2139.6	2134.5	2129.3	2114.0	2131.9	2116.5
42.5°	2026.8	2024.3	2026.8	2029.4	2029.4	2039.7	2047.3	2037.1	2032.0	2019.2	2029.4
45°	1911.5	1906.4	1911.5	1916.7	1919.2	1924.4	1947.4	1947.4	1939.7	1919.2	1934.6
47.5°	1788.5	1775.7	1788.5	1803.9	1803.9	1811.6	1834.7	1852.6	1839.8	1814.2	1821.9
50°	1657.9	1660.4	1657.9	1668.1	1668.1	1696.3	1714.2	1732.2	1745.0	1714.2	1678.4
52.5°	1529.7	1527.2	1529.7	1537.4	1547.7	1560.5	1591.2	1609.2	1629.7	1611.7	1555.4
55°	1401.6	1406.7	1401.6	1404.2	1409.3	1417.0	1463.1	1481.1	1519.5	1496.4	1437.5
57.5°	1273.5	1265.8	1273.5	1278.6	1281.2	1288.9	1327.3	1360.6	1383.7	1386.2	1314.5
60°	1124.9	1114.6	1124.9	1147.9	1153.1	1158.2	1194.1	1224.8	1245.3	1253.0	1178.7
62.5°	994.2	976.3	994.2	1009.6	1019.8	1032.6	1058.3	1104.4	1122.3	1124.9	1019.8
65°	855.8	848.1	855.8	886.6	889.1	904.5	932.7	966.0	1004.5	999.3	848.1
67.5°	730.3	730.3	730.3	750.8	766.2	773.8	809.7	825.1	873.8	878.9	707.2
70°	615.0	612.4	615.0	630.3	640.6	658.5	691.8	709.8	748.2	761.0	574.0
72.5°	504.8	502.2	504.8	517.6	527.9	543.2	571.4	591.9	625.2	640.6	445.9
75°	407.4	402.3	407.4	417.7	415.1	435.6	458.7	479.2	509.9	520.2	330.5
77.5°	312.6	312.6	312.6	322.9	322.9	343.4	353.6	379.2	397.2	412.5	243.4
80°	233.2	230.6	233.2	235.7	235.7	246.0	263.9	281.9	297.2	297.2	166.6
82.5°	164.0	158.9	164.0	164.0	164.0	169.1	179.4	184.5	194.7	202.4	105.1
85°	102.5	102.5	102.5	105.1	102.5	107.6	110.2	115.3	115.3	110.2	64.1
87.5°	66.6	64.1	66.6	64.1	64.1	61.5	61.5	61.5	58.9	56.4	35.9
90°	50.4	50.4	50.4	50.4	50.4	67.2	89.6	100.8	86.6	58.3	37.2
92.5°	201.9	161.9	201.9	242.1	252.1	357.3	497.6	567.8	498.6	360.0	256.1
95°	703.9	582.4	703.9	825.3	855.8	1123.7	1481.0	1659.7	1401.7	885.7	498.8
97.5°	1686.5	1455.3	1686.5	1917.6	1975.4	2144.8	2370.6	2483.5	2053.4	1193.1	547.9
100°	2429.9	2154.5	2429.9	2705.3	2774.1	2761.7	2745.3	2737.0	2259.7	1305.0	589.1
102.5°	3161.2	2925.4	3161.2	3397.1	3456.1	3240.2	2952.5	2808.6	2324.5	1356.4	630.2
105°	4093.6	3966.8	4093.6	4220.3	4252.0	3768.2	3123.1	2800.6	2331.9	1394.4	691.2
107.5°	4704.3	4734.9	4704.3	4673.6	4665.9	3991.1	3091.3	2641.5	2228.2	1401.5	781.4
110°	4937.2	5069.2	4937.2	4805.2	4772.1	4017.6	3011.7	2508.7	2136.1	1390.8	831.8





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4958.0	5160.8	4958.0	4755.2	4704.5	3932.3	2902.8	2388.1	2055.8	1391.2	892.8
115°	4826.5	5107.8	4826.5	4545.2	4474.9	3731.1	2739.4	2243.5	1963.6	1404.1	984.4
117.5°	4547.7	4859.6	4547.7	4235.8	4157.8	3486.6	2591.5	2143.9	1906.0	1430.2	1073.3
120°	4323.1	4626.1	4323.1	4020.0	3944.3	3330.9	2513.1	2104.1	1886.6	1451.4	1125.1
122.5°	4104.3	4403.3	4104.3	3805.4	3730.7	3178.3	2441.9	2073.7	1876.4	1481.9	1186.0
125°	3792.2	4067.6	3792.2	3516.9	3448.0	2978.9	2353.2	2040.4	1868.0	1523.1	1264.4
127.5°	3511.6	3743.9	3511.6	3279.3	3221.2	2818.3	2281.1	2012.6	1863.1	1564.2	1340.0
130°	3346.2	3560.9	3346.2	3131.6	3077.9	2719.3	2241.1	2002.0	1866.1	1594.2	1390.3
132.5°	3196.1	3388.3	3196.1	3004.0	2955.9	2634.8	2206.7	1992.7	1868.0	1618.6	1431.5
135°	2990.5	3156.2	2990.5	2824.9	2783.4	2514.6	2156.1	1976.8	1866.3	1645.1	1479.3
137.5°	2825.5	2961.2	2825.5	2689.9	2656.0	2428.7	2125.7	1974.1	1877.7	1684.9	1540.2
140°	2712.4	2839.1	2712.4	2585.5	2553.8	2357.5	2095.7	1964.8	1879.6	1709.2	1581.4
142.5°	2618.6	2727.7	2618.6	2509.5	2482.3	2309.8	2079.8	1964.8	1886.4	1729.5	1611.9
145°	2477.9	2560.5	2477.9	2395.4	2374.7	2233.7	2045.6	1951.6	1886.4	1756.1	1658.4
147.5°	2370.0	2438.5	2370.0	2301.6	2284.5	2173.6	2025.6	1951.6	1899.4	1795.0	1716.7
150°	2302.1	2357.6	2302.1	2246.6	2232.8	2139.1	2014.1	1951.6	1906.2	1815.4	1747.3
152.5°	2244.1	2285.9	2244.1	2202.2	2191.7	2111.7	2005.0	1951.6	1910.6	1828.7	1767.2
155°	2177.3	2204.9	2177.3	2149.5	2142.6	2078.9	1994.0	1951.6	1920.3	1857.8	1810.9
157.5°	2124.5	2143.9	2124.5	2105.0	2100.1	2050.6	1984.6	1951.6	1930.1	1887.0	1854.7
160°	2093.0	2104.1	2093.0	2081.8	2078.9	2036.5	1979.9	1951.6	1934.5	1900.3	1874.6
162.5°	2072.3	2082.9	2072.3	2061.7	2059.0	2023.3	1975.5	1951.6	1939.2	1914.4	1895.8
165°	2042.5	2053.8	2042.5	2031.3	2028.5	2002.8	1968.7	1951.6	1946.0	1934.8	1926.3
167.5°	2021.1	2025.8	2021.1	2016.4	2015.2	1998.4	1976.0	1964.8	1960.1	1950.7	1943.6
170°	2015.2	2015.2	2015.2	2015.2	2015.2	1998.4	1976.0	1964.8	1964.5	1963.9	1963.5
172.5°	1999.4	1995.3	1999.4	2003.6	2004.6	1991.4	1973.7	1964.8	1964.8	1964.8	1964.8
175°	1990.0	1990.0	1990.0	1990.0	1990.0	1981.7	1970.5	1964.8	1967.5	1972.8	1976.8
177.5°	1981.5	1976.8	1981.5	1986.2	1987.4	1980.7	1971.9	1967.5	1969.5	1973.7	1976.8
180°	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2747.0	2731.6	2731.6	2706.0	2695.7	2688.0	2675.2	2636.8	2626.5	2616.3	2631.7
5°	2770.0	2741.8	2721.3	2675.2	2636.8	2621.4	2572.7	2480.5	2419.0	2372.9	2347.2
7.5°	2775.1	2739.3	2700.8	2629.1	2536.8	2495.8	2347.2	2178.0	2131.9	2090.9	2065.3
10°	2770.0	2729.0	2675.2	2567.6	2349.8	2278.0	2129.3	2019.2	1991.0	1983.3	1991.0
12.5°	2752.1	2713.7	2639.3	2460.0	2155.0	2106.3	2019.2	1955.1	1950.0	1962.8	2032.0
15°	2721.3	2685.5	2598.3	2316.5	2047.3	2011.5	1950.0	1926.9	1955.1	2044.8	2252.3
17.5°	2690.6	2649.6	2542.0	2175.5	1965.3	1939.7	1896.2	1942.3	2101.2	2221.6	2290.9
20°	2649.6	2600.9	2477.9	2073.0	1906.4	1883.4	1862.9	2070.4	2190.8	2234.4	2272.9
22.5°	2600.9	2549.7	2390.8	2001.2	1844.9	1827.0	1839.8	2142.2	2190.8	2221.6	2254.9
25°	2536.8	2493.3	2288.3	1944.8	1796.2	1775.7	1824.4	2134.5	2162.7	2170.3	2237.0
27.5°	2477.9	2421.5	2180.6	1893.6	1737.3	1729.6	1837.2	2101.2	2121.7	2129.3	2201.1
30°	2406.2	2321.6	2060.2	1839.8	1675.8	1673.2	1839.8	2060.2	2055.0	2075.5	2147.3
32.5°	2331.9	2172.9	1924.4	1773.2	1616.9	1614.3	1821.9	1998.7	1993.5	2021.7	2075.5
35°	2262.7	2057.6	1739.9	1696.3	1542.6	1545.1	1778.3	1926.9	1929.5	1955.1	1988.4
37.5°	2190.8	1957.7	1537.4	1611.7	1470.8	1470.8	1719.4	1860.3	1855.2	1862.9	1909.0
40°	2106.3	1801.4	1358.1	1501.6	1404.2	1396.5	1647.6	1788.5	1770.6	1768.0	1832.1
42.5°	2016.6	1629.7	1224.8	1355.5	1327.3	1317.1	1560.5	1701.4	1668.1	1675.8	1757.8
45°	1919.2	1583.6	1122.3	1145.4	1247.9	1240.2	1465.7	1601.5	1578.4	1598.9	1683.5
47.5°	1821.9	1491.3	1089.0	950.6	1163.3	1160.8	1360.6	1504.1	1491.3	1511.8	1601.5
50°	1688.6	1388.8	1086.5	814.8	1068.5	1078.8	1235.1	1409.3	1409.3	1427.2	1522.1
52.5°	1516.9	1263.3	986.5	738.0	958.3	989.1	1124.9	1327.3	1332.4	1350.4	1434.9
55°	1360.6	1132.6	914.8	679.0	827.7	894.3	1017.3	1242.8	1253.0	1270.9	1347.8
57.5°	1217.1	943.0	899.4	609.8	707.2	771.3	922.5	1160.8	1165.9	1181.3	1255.6
60°	1063.4	681.6	825.1	535.5	602.2	650.8	835.3	1063.4	1081.3	1091.6	1155.6
62.5°	889.1	494.5	748.2	484.3	550.9	561.2	763.6	971.1	994.2	1001.9	1040.3
65°	632.9	415.1	635.5	440.7	497.1	499.7	686.7	876.3	896.8	909.6	937.8
67.5°	427.9	338.2	484.3	399.7	456.1	458.7	612.4	766.2	794.3	804.6	822.5
70°	297.2	225.5	358.7	356.2	410.0	415.1	533.0	666.2	691.8	699.5	709.8
72.5°	217.8	181.9	297.2	320.3	361.3	366.4	451.0	553.5	579.1	586.8	591.9
75°	166.6	192.2	240.9	279.3	307.5	310.0	369.0	451.0	468.9	474.0	476.6
77.5°	133.2	179.4	176.8	225.5	251.1	246.0	289.5	348.5	363.9	363.9	363.9
80°	99.9	140.9	133.2	161.4	184.5	179.4	207.6	248.6	253.7	258.8	256.2
82.5°	74.3	89.7	89.7	102.5	123.0	117.9	138.4	161.4	161.4	161.4	166.6
85°	46.1	51.2	41.0	53.8	69.2	66.6	76.9	87.1	89.7	89.7	84.6
87.5°	28.2	23.1	12.8	20.5	30.7	30.7	35.9	38.4	35.9	35.9	35.9
90°	34.5	23.8	13.2	23.8	34.5	37.2	58.3	86.6	100.8	89.6	67.2
92.5°	233.5	143.2	53.0	143.2	233.5	256.1	360.0	498.6	567.8	497.6	357.3
95°	457.6	292.5	127.4	292.5	457.6	498.8	885.7	1401.7	1659.7	1481.0	1123.7
97.5°	511.5	365.8	220.2	365.8	511.5	547.9	1193.1	2053.4	2483.5	2370.6	2144.8
100°	556.0	424.0	291.9	424.0	556.0	589.1	1305.0	2259.7	2737.0	2745.3	2761.7
102.5°	599.3	476.2	352.9	476.2	599.3	630.2	1356.4	2324.5	2808.6	2952.5	3240.2
105°	665.1	560.7	456.4	560.7	665.1	691.2	1394.4	2331.9	2800.6	3123.1	3768.2
107.5°	757.1	659.8	562.5	659.8	757.1	781.4	1401.5	2228.2	2641.5	3091.3	3991.1
110°	809.9	722.0	634.2	722.0	809.9	831.8	1390.8	2136.1	2508.7	3011.7	4017.6



TEST NUMBER: P935525

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	871.9	788.2	704.5	788.2	871.9	892.8	1391.2	2055.8	2388.1	2902.8	3932.3
115°	965.1	887.8	810.6	887.8	965.1	984.4	1404.1	1963.6	2243.5	2739.4	3731.1
117.5°	1055.8	985.6	915.5	985.6	1055.8	1073.3	1430.2	1906.0	2143.9	2591.5	3486.6
120°	1108.6	1042.5	976.4	1042.5	1108.6	1125.1	1451.4	1886.6	2104.1	2513.1	3330.9
122.5°	1169.4	1102.8	1036.1	1102.8	1169.4	1186.0	1481.9	1876.4	2073.7	2441.9	3178.3
125°	1249.2	1188.4	1127.7	1188.4	1249.2	1264.4	1523.1	1868.0	2040.4	2353.2	2978.9
127.5°	1324.7	1263.3	1202.0	1263.3	1324.7	1340.0	1564.2	1863.1	2012.6	2281.1	2818.3
130°	1373.9	1307.8	1241.8	1307.8	1373.9	1390.3	1594.2	1866.1	2002.0	2241.1	2719.3
132.5°	1415.0	1348.9	1282.9	1348.9	1415.0	1431.5	1618.6	1868.0	1992.7	2206.7	2634.8
135°	1464.2	1404.1	1344.0	1404.1	1464.2	1479.3	1645.1	1866.3	1976.8	2156.1	2514.6
137.5°	1525.4	1465.9	1406.3	1465.9	1525.4	1540.2	1684.9	1877.7	1974.1	2125.7	2428.7
140°	1567.7	1512.8	1458.0	1512.8	1567.7	1581.4	1709.2	1879.6	1964.8	2095.7	2357.5
142.5°	1599.3	1548.5	1497.8	1548.5	1599.3	1611.9	1729.5	1886.4	1964.8	2079.8	2309.8
145°	1647.4	1603.1	1558.9	1603.1	1647.4	1658.4	1756.1	1886.4	1951.6	2045.6	2233.7
147.5°	1705.9	1662.9	1619.9	1662.9	1705.9	1716.7	1795.0	1899.4	1951.6	2025.6	2173.6
150°	1737.6	1698.6	1659.7	1698.6	1737.6	1747.3	1815.4	1906.2	1951.6	2014.1	2139.1
152.5°	1759.8	1730.3	1700.8	1730.3	1759.8	1767.2	1828.7	1910.6	1951.6	2005.0	2111.7
155°	1805.5	1783.7	1761.8	1783.7	1805.5	1810.9	1857.8	1920.3	1951.6	1994.0	2078.9
157.5°	1849.4	1828.2	1807.0	1828.2	1849.4	1854.7	1887.0	1930.1	1951.6	1984.6	2050.6
160°	1870.5	1854.0	1837.5	1854.0	1870.5	1874.6	1900.3	1934.5	1951.6	1979.9	2036.5
162.5°	1892.7	1880.4	1868.0	1880.4	1892.7	1895.8	1914.4	1939.2	1951.6	1975.5	2023.3
165°	1923.5	1912.3	1901.1	1912.3	1923.5	1926.3	1934.8	1946.0	1951.6	1968.7	2002.8
167.5°	1942.3	1937.0	1931.7	1937.0	1942.3	1943.6	1950.7	1960.1	1964.8	1976.0	1998.4
170°	1962.2	1956.9	1951.6	1956.9	1962.2	1963.5	1963.9	1964.5	1964.8	1976.0	1998.4
172.5°	1964.6	1963.4	1962.2	1963.4	1964.6	1964.8	1964.8	1964.8	1964.8	1973.7	1991.4
175°	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1972.8	1967.5	1964.8	1970.5	1981.7
177.5°	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1973.7	1969.5	1967.5	1971.9	1980.7
180°	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8



TEST NUMBER: P935525  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2613.7	2606.0	2616.3	2588.1	2616.3	2606.0	2613.7	2631.7	2616.3	2626.5	2636.8
5°	2293.4	2280.6	2239.5	2206.2	2239.5	2280.6	2293.4	2347.2	2372.9	2419.0	2480.5
7.5°	2049.9	2039.7	2029.4	2008.9	2029.4	2039.7	2049.9	2065.3	2090.9	2131.9	2178.0
10°	1996.1	1998.7	2014.0	2011.5	2014.0	1998.7	1996.1	1991.0	1983.3	1991.0	2019.2
12.5°	2134.5	2157.5	2242.1	2237.0	2242.1	2157.5	2134.5	2032.0	1962.8	1950.0	1955.1
15°	2293.4	2301.1	2319.0	2321.6	2319.0	2301.1	2293.4	2252.3	2044.8	1955.1	1926.9
17.5°	2308.8	2311.4	2324.2	2324.2	2324.2	2311.4	2308.8	2290.9	2221.6	2101.2	1942.3
20°	2296.0	2301.1	2326.7	2331.9	2326.7	2301.1	2296.0	2272.9	2234.4	2190.8	2070.4
22.5°	2290.9	2301.1	2321.6	2319.0	2321.6	2301.1	2290.9	2254.9	2221.6	2190.8	2142.2
25°	2265.2	2265.2	2267.8	2270.4	2267.8	2265.2	2265.2	2237.0	2170.3	2162.7	2134.5
27.5°	2211.3	2216.5	2231.8	2229.3	2231.8	2216.5	2211.3	2201.1	2129.3	2121.7	2101.2
30°	2162.7	2157.5	2144.7	2134.5	2144.7	2157.5	2162.7	2147.3	2075.5	2055.0	2060.2
32.5°	2080.7	2067.8	2055.0	2047.3	2055.0	2067.8	2080.7	2075.5	2021.7	1993.5	1998.7
35°	1983.3	1985.8	1983.3	1975.6	1983.3	1985.8	1983.3	1988.4	1955.1	1929.5	1926.9
37.5°	1914.1	1919.2	1916.7	1906.4	1916.7	1919.2	1914.1	1909.0	1862.9	1855.2	1860.3
40°	1842.4	1844.9	1842.4	1834.7	1842.4	1844.9	1842.4	1832.1	1768.0	1770.6	1788.5
42.5°	1773.2	1770.6	1762.9	1757.8	1762.9	1770.6	1773.2	1757.8	1675.8	1668.1	1701.4
45°	1693.7	1696.3	1680.9	1673.2	1680.9	1696.3	1693.7	1683.5	1598.9	1578.4	1601.5
47.5°	1614.3	1614.3	1601.5	1593.8	1601.5	1614.3	1614.3	1601.5	1511.8	1491.3	1504.1
50°	1529.7	1527.2	1509.2	1506.7	1509.2	1527.2	1529.7	1522.1	1427.2	1409.3	1409.3
52.5°	1432.4	1432.4	1434.9	1440.1	1434.9	1432.4	1432.4	1434.9	1350.4	1332.4	1327.3
55°	1347.8	1350.4	1368.3	1373.4	1368.3	1350.4	1347.8	1347.8	1270.9	1253.0	1242.8
57.5°	1260.7	1260.7	1273.5	1273.5	1273.5	1260.7	1260.7	1255.6	1181.3	1165.9	1160.8
60°	1160.8	1165.9	1176.1	1173.6	1176.1	1165.9	1160.8	1155.6	1091.6	1081.3	1063.4
62.5°	1055.7	1060.8	1063.4	1058.3	1063.4	1060.8	1055.7	1040.3	1001.9	994.2	971.1
65°	945.5	950.6	953.2	948.1	953.2	950.6	945.5	937.8	909.6	896.8	876.3
67.5°	832.8	830.2	827.7	837.9	827.7	830.2	832.8	822.5	804.6	794.3	766.2
70°	717.5	717.5	714.9	720.0	714.9	717.5	717.5	709.8	699.5	691.8	666.2
72.5°	594.5	591.9	602.2	594.5	602.2	591.9	594.5	591.9	586.8	579.1	553.5
75°	474.0	479.2	474.0	481.7	474.0	479.2	474.0	476.6	474.0	468.9	451.0
77.5°	361.3	366.4	361.3	361.3	361.3	366.4	361.3	363.9	363.9	363.9	348.5
80°	256.2	253.7	253.7	251.1	253.7	253.7	256.2	256.2	258.8	253.7	248.6
82.5°	164.0	161.4	161.4	166.6	161.4	161.4	164.0	166.6	161.4	161.4	161.4
85°	89.7	92.2	87.1	87.1	87.1	92.2	89.7	84.6	89.7	89.7	87.1
87.5°	33.3	30.7	30.7	30.7	30.7	30.7	33.3	35.9	35.9	35.9	38.4
90°	50.4	50.4	50.4	50.4	50.4	50.4	50.4	67.2	89.6	100.8	86.6
92.5°	252.1	242.1	201.9	161.9	201.9	242.1	252.1	357.3	497.6	567.8	498.6
95°	855.8	825.3	703.9	582.4	703.9	825.3	855.8	1123.7	1481.0	1659.7	1401.7
97.5°	1975.4	1917.6	1686.5	1455.3	1686.5	1917.6	1975.4	2144.8	2370.6	2483.5	2053.4
100°	2774.1	2705.3	2429.9	2154.5	2429.9	2705.3	2774.1	2761.7	2745.3	2737.0	2259.7
102.5°	3456.1	3397.1	3161.2	2925.4	3161.2	3397.1	3456.1	3240.2	2952.5	2808.6	2324.5
105°	4252.0	4220.3	4093.6	3966.8	4093.6	4220.3	4252.0	3768.2	3123.1	2800.6	2331.9
107.5°	4665.9	4673.6	4704.3	4734.9	4704.3	4673.6	4665.9	3991.1	3091.3	2641.5	2228.2
110°	4772.1	4805.2	4937.2	5069.2	4937.2	4805.2	4772.1	4017.6	3011.7	2508.7	2136.1



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4704.5	4755.2	4958.0	5160.8	4958.0	4755.2	4704.5	3932.3	2902.8	2388.1	2055.8
115°	4474.9	4545.2	4826.5	5107.8	4826.5	4545.2	4474.9	3731.1	2739.4	2243.5	1963.6
117.5°	4157.8	4235.8	4547.7	4859.6	4547.7	4235.8	4157.8	3486.6	2591.5	2143.9	1906.0
120°	3944.3	4020.0	4323.1	4626.1	4323.1	4020.0	3944.3	3330.9	2513.1	2104.1	1886.6
122.5°	3730.7	3805.4	4104.3	4403.3	4104.3	3805.4	3730.7	3178.3	2441.9	2073.7	1876.4
125°	3448.0	3516.9	3792.2	4067.6	3792.2	3516.9	3448.0	2978.9	2353.2	2040.4	1868.0
127.5°	3221.2	3279.3	3511.6	3743.9	3511.6	3279.3	3221.2	2818.3	2281.1	2012.6	1863.1
130°	3077.9	3131.6	3346.2	3560.9	3346.2	3131.6	3077.9	2719.3	2241.1	2002.0	1866.1
132.5°	2955.9	3004.0	3196.1	3388.3	3196.1	3004.0	2955.9	2634.8	2206.7	1992.7	1868.0
135°	2783.4	2824.9	2990.5	3156.2	2990.5	2824.9	2783.4	2514.6	2156.1	1976.8	1866.3
137.5°	2656.0	2689.9	2825.5	2961.2	2825.5	2689.9	2656.0	2428.7	2125.7	1974.1	1877.7
140°	2553.8	2585.5	2712.4	2839.1	2712.4	2585.5	2553.8	2357.5	2095.7	1964.8	1879.6
142.5°	2482.3	2509.5	2618.6	2727.7	2618.6	2509.5	2482.3	2309.8	2079.8	1964.8	1886.4
145°	2374.7	2395.4	2477.9	2560.5	2477.9	2395.4	2374.7	2233.7	2045.6	1951.6	1886.4
147.5°	2284.5	2301.6	2370.0	2438.5	2370.0	2301.6	2284.5	2173.6	2025.6	1951.6	1899.4
150°	2232.8	2246.6	2302.1	2357.6	2302.1	2246.6	2232.8	2139.1	2014.1	1951.6	1906.2
152.5°	2191.7	2202.2	2244.1	2285.9	2244.1	2202.2	2191.7	2111.7	2005.0	1951.6	1910.6
155°	2142.6	2149.5	2177.3	2204.9	2177.3	2149.5	2142.6	2078.9	1994.0	1951.6	1920.3
157.5°	2100.1	2105.0	2124.5	2143.9	2124.5	2105.0	2100.1	2050.6	1984.6	1951.6	1930.1
160°	2078.9	2081.8	2093.0	2104.1	2093.0	2081.8	2078.9	2036.5	1979.9	1951.6	1934.5
162.5°	2059.0	2061.7	2072.3	2082.9	2072.3	2061.7	2059.0	2023.3	1975.5	1951.6	1939.2
165°	2028.5	2031.3	2042.5	2053.8	2042.5	2031.3	2028.5	2002.8	1968.7	1951.6	1946.0
167.5°	2015.2	2016.4	2021.1	2025.8	2021.1	2016.4	2015.2	1998.4	1976.0	1964.8	1960.1
170°	2015.2	2015.2	2015.2	2015.2	2015.2	2015.2	2015.2	1998.4	1976.0	1964.8	1964.5
172.5°	2004.6	2003.6	1999.4	1995.3	1999.4	2003.6	2004.6	1991.4	1973.7	1964.8	1964.8
175°	1990.0	1990.0	1990.0	1990.0	1990.0	1990.0	1990.0	1981.7	1970.5	1964.8	1967.5
177.5°	1987.4	1986.2	1981.5	1976.8	1981.5	1986.2	1987.4	1980.7	1971.9	1967.5	1969.5
180°	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2708.5	2708.5	2708.5	2708.5	2708.5
2.5°	2675.2	2688.0	2695.7	2706.0	2731.6
5°	2572.7	2621.4	2636.8	2675.2	2721.3
7.5°	2347.2	2495.8	2536.8	2629.1	2700.8
10°	2129.3	2278.0	2349.8	2567.6	2675.2
12.5°	2019.2	2106.3	2155.0	2460.0	2639.3
15°	1950.0	2011.5	2047.3	2316.5	2598.3
17.5°	1896.2	1939.7	1965.3	2175.5	2542.0
20°	1862.9	1883.4	1906.4	2073.0	2477.9
22.5°	1839.8	1827.0	1844.9	2001.2	2390.8
25°	1824.4	1775.7	1796.2	1944.8	2288.3
27.5°	1837.2	1729.6	1737.3	1893.6	2180.6
30°	1839.8	1673.2	1675.8	1839.8	2060.2
32.5°	1821.9	1614.3	1616.9	1773.2	1924.4
35°	1778.3	1545.1	1542.6	1696.3	1739.9
37.5°	1719.4	1470.8	1470.8	1611.7	1537.4
40°	1647.6	1396.5	1404.2	1501.6	1358.1
42.5°	1560.5	1317.1	1327.3	1355.5	1224.8
45°	1465.7	1240.2	1247.9	1145.4	1122.3
47.5°	1360.6	1160.8	1163.3	950.6	1089.0
50°	1235.1	1078.8	1068.5	814.8	1086.5
52.5°	1124.9	989.1	958.3	738.0	986.5
55°	1017.3	894.3	827.7	679.0	914.8
57.5°	922.5	771.3	707.2	609.8	899.4
60°	835.3	650.8	602.2	535.5	825.1
62.5°	763.6	561.2	550.9	484.3	748.2
65°	686.7	499.7	497.1	440.7	635.5
67.5°	612.4	458.7	456.1	399.7	484.3
70°	533.0	415.1	410.0	356.2	358.7
72.5°	451.0	366.4	361.3	320.3	297.2
75°	369.0	310.0	307.5	279.3	240.9
77.5°	289.5	246.0	251.1	225.5	176.8
80°	207.6	179.4	184.5	161.4	133.2
82.5°	138.4	117.9	123.0	102.5	89.7
85°	76.9	66.6	69.2	53.8	41.0
87.5°	35.9	30.7	30.7	20.5	12.8
90°	58.3	37.2	34.5	23.8	13.2
92.5°	360.0	256.1	233.5	143.2	53.0
95°	885.7	498.8	457.6	292.5	127.4
97.5°	1193.1	547.9	511.5	365.8	220.2
100°	1305.0	589.1	556.0	424.0	291.9
102.5°	1356.4	630.2	599.3	476.2	352.9
105°	1394.4	691.2	665.1	560.7	456.4
107.5°	1401.5	781.4	757.1	659.8	562.5
110°	1390.8	831.8	809.9	722.0	634.2



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1391.2	892.8	871.9	788.2	704.5
115°	1404.1	984.4	965.1	887.8	810.6
117.5°	1430.2	1073.3	1055.8	985.6	915.5
120°	1451.4	1125.1	1108.6	1042.5	976.4
122.5°	1481.9	1186.0	1169.4	1102.8	1036.1
125°	1523.1	1264.4	1249.2	1188.4	1127.7
127.5°	1564.2	1340.0	1324.7	1263.3	1202.0
130°	1594.2	1390.3	1373.9	1307.8	1241.8
132.5°	1618.6	1431.5	1415.0	1348.9	1282.9
135°	1645.1	1479.3	1464.2	1404.1	1344.0
137.5°	1684.9	1540.2	1525.4	1465.9	1406.3
140°	1709.2	1581.4	1567.7	1512.8	1458.0
142.5°	1729.5	1611.9	1599.3	1548.5	1497.8
145°	1756.1	1658.4	1647.4	1603.1	1558.9
147.5°	1795.0	1716.7	1705.9	1662.9	1619.9
150°	1815.4	1747.3	1737.6	1698.6	1659.7
152.5°	1828.7	1767.2	1759.8	1730.3	1700.8
155°	1857.8	1810.9	1805.5	1783.7	1761.8
157.5°	1887.0	1854.7	1849.4	1828.2	1807.0
160°	1900.3	1874.6	1870.5	1854.0	1837.5
162.5°	1914.4	1895.8	1892.7	1880.4	1868.0
165°	1934.8	1926.3	1923.5	1912.3	1901.1
167.5°	1950.7	1943.6	1942.3	1937.0	1931.7
170°	1963.9	1963.5	1962.2	1956.9	1951.6
172.5°	1964.8	1964.8	1964.6	1963.4	1962.2
175°	1972.8	1976.8	1976.8	1976.8	1976.8
177.5°	1973.7	1976.8	1976.8	1976.8	1976.8
180°	1976.8	1976.8	1976.8	1976.8	1976.8



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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	10.67	11.42	11.75	12.49	13.96	13.53	14.27	14.60	15.34	16.81
	3H	11.14	11.81	12.22	12.89	14.37	14.87	15.54	15.95	16.62	18.10
	4H	11.33	11.96	12.42	13.04	14.53	15.31	15.94	16.41	17.03	18.52
	6H	11.44	12.02	12.54	13.11	14.61	15.60	16.18	16.70	17.27	18.77
	8H	11.44	11.99	12.54	13.09	14.59	15.67	16.22	16.78	17.33	18.82
	12H	11.41	11.93	12.52	13.03	14.55	15.71	16.23	16.82	17.33	18.85
4H	2H	11.70	12.33	12.80	13.41	14.90	13.92	14.55	15.02	15.64	17.12
	3H	12.71	13.24	13.82	14.35	15.85	15.42	15.95	16.53	17.06	18.56
	4H	12.98	13.47	14.10	14.57	16.09	15.95	16.43	17.06	17.53	19.06
	6H	13.10	13.52	14.22	14.64	16.16	16.31	16.73	17.43	17.85	19.37
	8H	13.11	13.49	14.22	14.61	16.14	16.42	16.81	17.54	17.92	19.45
	12H	13.07	13.42	14.20	14.55	16.08	16.47	16.82	17.61	17.95	19.49
8H	4H	13.43	13.82	14.55	14.94	16.47	16.06	16.45	17.18	17.57	19.10
	6H	13.69	14.01	14.83	15.17	16.69	16.50	16.82	17.64	17.98	19.51
	8H	13.73	14.01	14.88	15.15	16.70	16.65	16.93	17.80	18.07	19.62
	12H	13.71	13.95	14.86	15.09	16.67	16.75	17.00	17.90	18.13	19.72
12H	4H	13.43	13.78	14.57	14.91	16.45	16.02	16.37	17.16	17.50	19.04
	6H	13.75	14.03	14.90	15.17	16.72	16.50	16.78	17.64	17.91	19.46
	8H	13.81	14.06	14.96	15.19	16.78	16.66	16.90	17.81	18.04	19.62