

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: P935529

Luminaire Tested: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935529
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-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

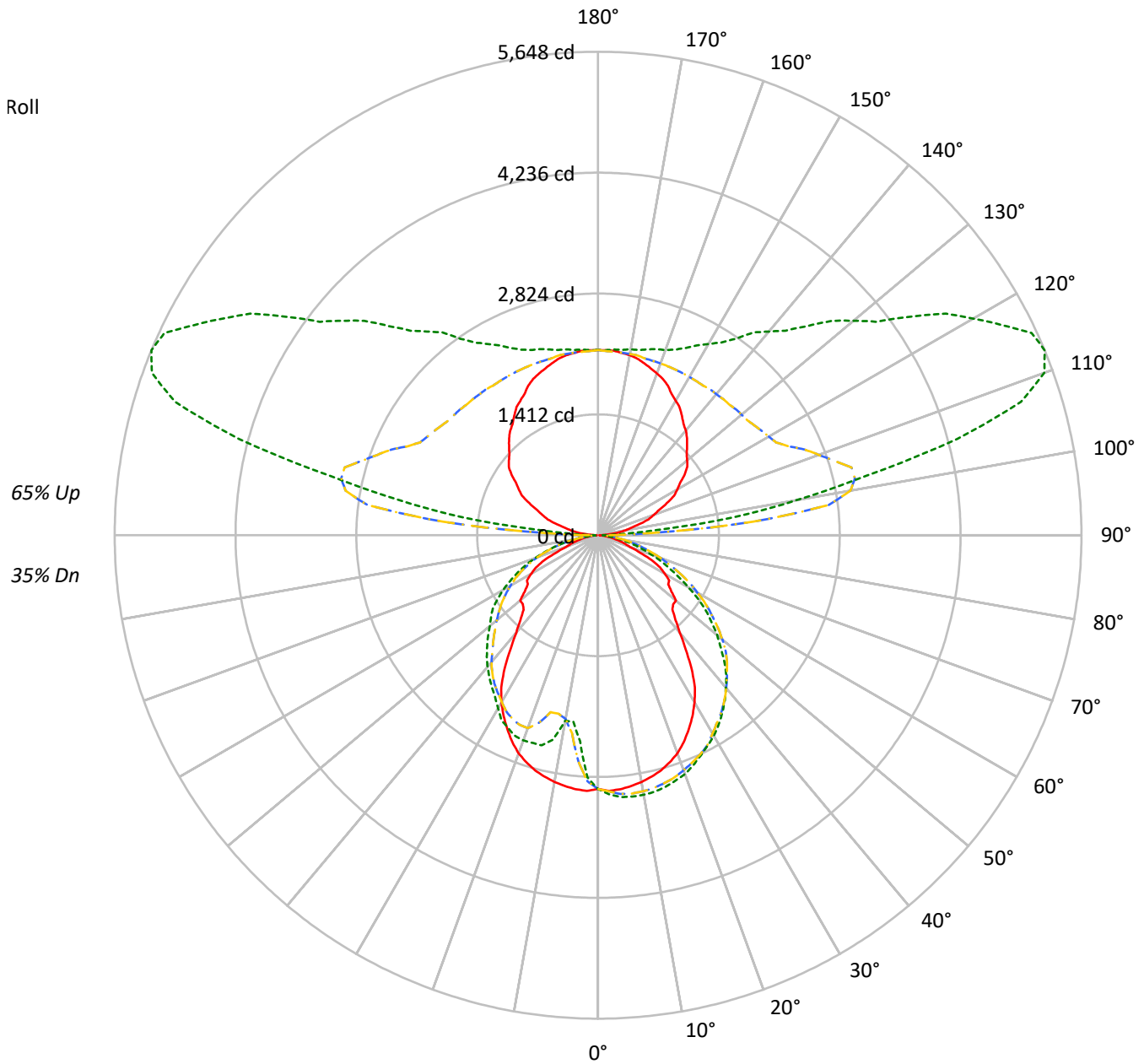
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21716.9 lumens
Efficiency: N/A
Efficacy: 130.2 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	
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°	9168	9168	9168	9168
5°	9240	9255	9240	7277
10°	9181	9116	9181	6517
15°	9085	8919	9085	7447
20°	8899	8685	8899	7463
25°	8513	8344	8513	7305
30°	8014	8060	8014	6957
35°	7148	7702	7148	6576
40°	5959	7280	5959	6287
45°	5328	6786	5328	5956
50°	5665	6197	5665	5623
55°	5335	5563	5335	5431
60°	5506	4724	5506	4974
65°	5000	3905	5000	4365
70°	3471	3112	3471	3659
75°	3055	2300	3055	2755
80°	2480	1521	2480	1656
85°	1455	806	1455	684

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8161 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.6	1.2
10°-20°	759.7	3.5
20°-30°	1174.3	5.4
30°-40°	1401.8	6.5
40°-50°	1410.1	6.5
50°-60°	1226.9	5.6
60°-70°	869.9	4.0
70°-80°	460.2	2.1
80°-90°	122.9	0.6
90°-100°	1054.5	4.9
100°-110°	2772.3	12.8
110°-120°	2874.6	13.2
120°-130°	2305.7	10.6
130°-140°	1809.2	8.3
140°-150°	1388.6	6.4
150°-160°	1000.1	4.6
160°-170°	611.9	2.8
170°-180°	206.7	1.0
0°-30°	2201.5	10.1
0°-40°	3603.4	16.6
0°-60°	6240.3	28.7
0°-90°	7693.3	35.4
90°-120°	6701.3	30.9
90°-150°	12204.9	56.2
90°-180°	14024.0	64.6
0°-180°	21716.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2964	2964	2964	2964	2964	
5°	2978	3071	2978	2414	2978	283
15°	2844	3043	2844	2541	2844	800
25°	2504	2838	2504	2484	2504	1150
35°	1904	2532	1904	2162	1904	1178
45°	1228	2086	1228	1831	1228	984
55°	1001	1540	1001	1503	1001	920
65°	695	928	695	1038	695	665
75°	264	440	264	527	264	277
85°	45	112	45	95	45	61
90°	14	55	14	55	14	14
95°	139	637	139	637	139	155
105°	499	4341	499	4341	499	529
115°	887	5590	887	5590	887	876
125°	1234	4451	1234	4451	1234	1096
135°	1471	3454	1471	3454	1471	1138
145°	1706	2802	1706	2802	1706	1069
155°	1928	2413	1928	2413	1928	886
165°	2080	2248	2080	2248	2080	587
175°	2163	2178	2163	2178	2163	205
180°	2163	2163	2163	2163	2163	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	2989.3	2989.3	3006.1	3011.7	3011.7	3003.3	2994.9	3003.3	3028.5	3037.0	3034.1
5°	2978.1	3000.5	3031.3	3037.0	3042.6	3039.8	3034.1	3039.8	3067.8	3073.4	3076.2
7.5°	2955.6	2997.7	3037.0	3045.4	3053.8	3045.4	3042.6	3048.2	3076.2	3081.8	3081.8
10°	2927.6	2986.5	3031.3	3037.0	3045.4	3037.0	3037.0	3048.2	3076.2	3081.8	3084.6
12.5°	2888.3	2969.7	3011.7	3017.3	3028.5	3025.7	3022.9	3034.1	3062.2	3067.8	3067.8
15°	2843.5	2938.8	2978.1	2983.7	3003.3	2997.7	2997.7	3008.9	3039.8	3048.2	3045.4
17.5°	2781.8	2899.6	2944.4	2952.8	2966.9	2964.0	2966.9	2978.1	3006.1	3011.7	3014.5
20°	2711.7	2846.3	2899.6	2908.0	2922.0	2922.0	2922.0	2936.0	2964.0	2975.3	2975.3
22.5°	2616.3	2790.2	2846.3	2851.9	2868.7	2868.7	2874.3	2893.9	2919.2	2922.0	2922.0
25°	2504.2	2728.5	2776.2	2793.0	2809.8	2818.2	2826.6	2837.9	2846.3	2843.5	2846.3
27.5°	2386.3	2650.0	2711.7	2722.9	2745.3	2753.7	2765.0	2767.8	2770.6	2779.0	2773.4
30°	2254.5	2540.6	2633.2	2644.4	2680.8	2686.4	2675.2	2680.8	2694.9	2700.5	2706.1
32.5°	2105.9	2377.9	2551.8	2577.1	2610.7	2593.9	2591.1	2599.5	2621.9	2621.9	2627.6
35°	1904.0	2251.7	2476.1	2498.6	2523.8	2504.2	2515.4	2518.2	2532.2	2540.6	2537.8
37.5°	1682.5	2142.3	2397.5	2414.3	2434.0	2408.7	2425.6	2434.0	2445.2	2439.6	2439.6
40°	1486.2	1971.3	2305.0	2316.2	2333.0	2313.4	2330.2	2335.8	2341.4	2335.8	2333.0
42.5°	1340.4	1783.4	2206.8	2220.9	2209.6	2223.7	2229.3	2240.5	2232.1	2220.9	2220.9
45°	1228.2	1732.9	2100.3	2117.1	2100.3	2122.7	2131.1	2131.1	2105.9	2100.3	2097.5
47.5°	1191.8	1632.0	1993.7	1993.7	1985.3	2013.4	2027.4	2007.7	1982.5	1974.1	1974.1
50°	1188.9	1519.8	1847.9	1836.7	1876.0	1909.6	1895.6	1876.0	1856.3	1825.5	1825.5
52.5°	1079.6	1382.4	1660.0	1702.1	1763.8	1783.4	1761.0	1741.4	1707.7	1693.7	1682.5
55°	1001.1	1239.4	1489.0	1573.1	1637.6	1662.8	1620.8	1601.2	1550.7	1542.3	1536.7
57.5°	984.2	1031.9	1332.0	1438.5	1517.0	1514.2	1489.0	1452.5	1410.5	1402.1	1399.3
60°	902.9	745.9	1163.7	1289.9	1371.2	1362.8	1340.4	1306.7	1267.5	1261.9	1256.2
62.5°	818.8	541.2	973.0	1116.0	1231.0	1228.2	1208.6	1158.1	1130.1	1116.0	1104.8
65°	695.4	454.3	692.6	928.2	1093.6	1099.2	1057.2	1020.7	989.9	973.0	970.2
67.5°	530.0	370.1	468.3	773.9	961.8	956.2	902.9	886.1	846.8	838.4	821.6
70°	392.6	246.8	325.3	628.1	832.8	818.8	776.7	757.1	720.7	701.0	689.8
72.5°	325.3	199.1	238.4	487.9	701.0	684.2	647.8	625.3	594.5	577.6	566.4
75°	263.6	210.3	182.3	361.7	569.2	558.0	524.4	501.9	476.7	454.3	457.1
77.5°	193.5	196.3	145.8	266.4	451.5	434.6	415.0	387.0	375.8	353.3	353.3
80°	145.8	154.2	109.4	182.3	325.3	325.3	308.5	288.8	269.2	258.0	258.0
82.5°	98.1	98.1	81.3	115.0	221.5	213.1	201.9	196.3	185.1	179.5	179.5
85°	44.9	56.1	50.5	70.1	120.6	126.2	126.2	120.6	117.8	112.2	115.0
87.5°	14.0	25.2	30.8	39.3	61.7	64.5	67.3	67.3	67.3	70.1	70.1
90°	14.5	26.1	37.8	40.7	63.8	94.8	110.3	98.1	73.6	55.1	55.1
92.5°	58.0	156.8	255.5	280.2	394.0	545.6	621.4	544.6	391.0	275.8	264.9
95°	139.4	320.0	500.7	545.9	969.3	1533.9	1816.2	1620.7	1229.7	936.5	903.2
97.5°	241.0	400.3	559.8	599.6	1305.7	2247.1	2717.8	2594.3	2347.1	2161.8	2098.5
100°	319.4	464.0	608.5	644.7	1428.1	2472.9	2995.2	3004.2	3022.3	3035.8	2960.5
102.5°	386.2	521.1	655.9	689.6	1484.3	2543.8	3073.6	3231.0	3545.9	3782.1	3717.6
105°	499.4	613.6	727.9	756.5	1525.9	2551.8	3064.8	3417.8	4123.7	4653.2	4618.5
107.5°	615.6	722.1	828.5	855.2	1533.7	2438.4	2890.7	3383.0	4367.6	5106.1	5114.5
110°	694.0	790.1	886.3	910.3	1522.0	2337.6	2745.4	3295.9	4396.7	5222.3	5258.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	770.9	862.5	954.1	977.0	1522.4	2249.7	2613.3	3176.7	4303.3	5148.3	5203.8
115°	887.0	971.5	1056.1	1077.2	1536.6	2148.9	2455.1	2997.8	4083.1	4897.1	4974.0
117.5°	1001.8	1078.6	1155.4	1174.6	1565.1	2085.8	2346.2	2836.0	3815.5	4550.1	4635.4
120°	1068.6	1140.8	1213.2	1231.2	1588.3	2064.6	2302.6	2750.2	3645.2	4316.4	4399.3
122.5°	1133.9	1206.8	1279.7	1297.9	1621.7	2053.5	2269.3	2672.2	3478.1	4082.6	4164.4
125°	1234.1	1300.5	1367.0	1383.6	1666.8	2044.2	2232.9	2575.2	3259.9	3773.3	3848.7
127.5°	1315.4	1382.5	1449.6	1466.4	1711.7	2038.9	2202.4	2496.3	3084.2	3525.1	3588.6
130°	1359.0	1431.2	1503.5	1521.5	1744.6	2042.1	2190.9	2452.5	2975.8	3368.3	3427.0
132.5°	1403.9	1476.2	1548.5	1566.6	1771.3	2044.2	2180.7	2414.9	2883.4	3234.7	3287.4
135°	1470.8	1536.6	1602.4	1618.8	1800.3	2042.3	2163.3	2359.5	2751.8	3046.0	3091.4
137.5°	1539.0	1604.1	1669.3	1685.6	1843.8	2054.9	2160.4	2326.2	2657.8	2906.6	2943.7
140°	1595.5	1655.6	1715.6	1730.6	1870.4	2056.9	2150.2	2293.4	2579.9	2794.8	2829.4
142.5°	1639.1	1694.6	1750.1	1764.0	1892.7	2064.4	2150.2	2276.0	2527.7	2716.4	2746.3
145°	1705.9	1754.3	1802.8	1814.8	1921.8	2064.4	2135.7	2238.6	2444.4	2598.8	2621.4
147.5°	1772.7	1819.8	1866.9	1878.7	1964.4	2078.6	2135.7	2216.7	2378.6	2500.1	2518.8
150°	1816.2	1858.8	1901.5	1912.1	1986.6	2086.0	2135.7	2204.1	2340.9	2443.4	2458.6
152.5°	1861.3	1893.5	1925.9	1933.9	2001.2	2090.8	2135.7	2194.1	2310.9	2398.5	2410.0
155°	1928.0	1951.9	1975.8	1981.8	2033.1	2101.5	2135.7	2182.2	2275.1	2344.7	2352.3
157.5°	1977.5	2000.6	2023.9	2029.7	2065.0	2112.2	2135.7	2171.8	2244.0	2298.3	2303.6
160°	2010.8	2028.9	2047.0	2051.5	2079.5	2117.0	2135.7	2166.6	2228.6	2275.1	2278.2
162.5°	2044.2	2057.8	2071.3	2074.7	2095.1	2122.2	2135.7	2161.9	2214.1	2253.3	2256.2
165°	2080.5	2092.7	2105.0	2108.0	2117.3	2129.5	2135.7	2154.4	2191.8	2219.8	2222.9
167.5°	2113.9	2119.7	2125.5	2126.9	2134.7	2145.1	2150.2	2162.4	2186.9	2205.3	2206.7
170°	2135.7	2141.5	2147.3	2148.7	2149.2	2149.8	2150.2	2162.4	2186.9	2205.3	2205.3
172.5°	2147.3	2148.6	2149.9	2150.2	2150.2	2150.2	2150.2	2159.9	2179.3	2193.8	2192.6
175°	2163.3	2163.3	2163.3	2163.3	2158.9	2153.1	2150.2	2156.4	2168.6	2177.8	2177.8
177.5°	2163.3	2163.3	2163.3	2163.3	2159.9	2155.3	2153.1	2158.0	2167.6	2174.9	2173.6
180°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	3039.8	3031.3	3039.8	3034.1	3037.0	3028.5	3003.3	2994.9	3003.3	3011.7	3011.7
5°	3076.2	3070.6	3076.2	3076.2	3073.4	3067.8	3039.8	3034.1	3039.8	3042.6	3037.0
7.5°	3087.4	3079.0	3087.4	3081.8	3081.8	3076.2	3048.2	3042.6	3045.4	3053.8	3045.4
10°	3087.4	3079.0	3087.4	3084.6	3081.8	3076.2	3048.2	3037.0	3037.0	3045.4	3037.0
12.5°	3073.4	3067.8	3073.4	3067.8	3067.8	3062.2	3034.1	3022.9	3025.7	3028.5	3017.3
15°	3051.0	3042.6	3051.0	3045.4	3048.2	3039.8	3008.9	2997.7	2997.7	3003.3	2983.7
17.5°	3017.3	3006.1	3017.3	3014.5	3011.7	3006.1	2978.1	2966.9	2964.0	2966.9	2952.8
20°	2978.1	2969.7	2978.1	2975.3	2975.3	2964.0	2936.0	2922.0	2922.0	2922.0	2908.0
22.5°	2916.4	2908.0	2916.4	2922.0	2922.0	2919.2	2893.9	2874.3	2868.7	2868.7	2851.9
25°	2846.3	2837.9	2846.3	2846.3	2843.5	2846.3	2837.9	2826.6	2818.2	2809.8	2793.0
27.5°	2779.0	2773.4	2779.0	2773.4	2779.0	2770.6	2767.8	2765.0	2753.7	2745.3	2722.9
30°	2711.7	2706.1	2711.7	2706.1	2700.5	2694.9	2680.8	2675.2	2686.4	2680.8	2644.4
32.5°	2627.6	2621.9	2627.6	2627.6	2621.9	2621.9	2599.5	2591.1	2593.9	2610.7	2577.1
35°	2540.6	2532.2	2540.6	2537.8	2540.6	2532.2	2518.2	2515.4	2504.2	2523.8	2498.6
37.5°	2439.6	2431.2	2439.6	2439.6	2439.6	2445.2	2434.0	2425.6	2408.7	2434.0	2414.3
40°	2335.8	2324.6	2335.8	2333.0	2335.8	2341.4	2335.8	2330.2	2313.4	2333.0	2316.2
42.5°	2218.1	2215.3	2218.1	2220.9	2220.9	2232.1	2240.5	2229.3	2223.7	2209.6	2220.9
45°	2091.9	2086.3	2091.9	2097.5	2100.3	2105.9	2131.1	2131.1	2122.7	2100.3	2117.1
47.5°	1957.3	1943.3	1957.3	1974.1	1974.1	1982.5	2007.7	2027.4	2013.4	1985.3	1993.7
50°	1814.3	1817.1	1814.3	1825.5	1825.5	1856.3	1876.0	1895.6	1909.6	1876.0	1836.7
52.5°	1674.1	1671.3	1674.1	1682.5	1693.7	1707.7	1741.4	1761.0	1783.4	1763.8	1702.1
55°	1533.9	1539.5	1533.9	1536.7	1542.3	1550.7	1601.2	1620.8	1662.8	1637.6	1573.1
57.5°	1393.6	1385.2	1393.6	1399.3	1402.1	1410.5	1452.5	1489.0	1514.2	1517.0	1438.5
60°	1231.0	1219.8	1231.0	1256.2	1261.9	1267.5	1306.7	1340.4	1362.8	1371.2	1289.9
62.5°	1088.0	1068.4	1088.0	1104.8	1116.0	1130.1	1158.1	1208.6	1228.2	1231.0	1116.0
65°	936.6	928.2	936.6	970.2	973.0	989.9	1020.7	1057.2	1099.2	1093.6	928.2
67.5°	799.2	799.2	799.2	821.6	838.4	846.8	886.1	902.9	956.2	961.8	773.9
70°	673.0	670.2	673.0	689.8	701.0	720.7	757.1	776.7	818.8	832.8	628.1
72.5°	552.4	549.6	552.4	566.4	577.6	594.5	625.3	647.8	684.2	701.0	487.9
75°	445.9	440.2	445.9	457.1	454.3	476.7	501.9	524.4	558.0	569.2	361.7
77.5°	342.1	342.1	342.1	353.3	353.3	375.8	387.0	415.0	434.6	451.5	266.4
80°	255.2	252.4	255.2	258.0	258.0	269.2	288.8	308.5	325.3	325.3	182.3
82.5°	179.5	173.9	179.5	179.5	179.5	185.1	196.3	201.9	213.1	221.5	115.0
85°	112.2	112.2	112.2	115.0	112.2	117.8	120.6	126.2	126.2	120.6	70.1
87.5°	72.9	70.1	72.9	70.1	70.1	67.3	67.3	67.3	64.5	61.7	39.3
90°	55.1	55.1	55.1	55.1	55.1	73.6	98.1	110.3	94.8	63.8	40.7
92.5°	221.0	177.1	221.0	264.9	275.8	391.0	544.6	621.4	545.6	394.0	280.2
95°	770.3	637.4	770.3	903.2	936.5	1229.7	1620.7	1816.2	1533.9	969.3	545.9
97.5°	1845.6	1592.6	1845.6	2098.5	2161.8	2347.1	2594.3	2717.8	2247.1	1305.7	599.6
100°	2659.1	2357.8	2659.1	2960.5	3035.8	3022.3	3004.2	2995.2	2472.9	1428.1	644.7
102.5°	3459.4	3201.4	3459.4	3717.6	3782.1	3545.9	3231.0	3073.6	2543.8	1484.3	689.6
105°	4479.8	4341.1	4479.8	4618.5	4653.2	4123.7	3417.8	3064.8	2551.8	1525.9	756.5
107.5°	5148.1	5181.6	5148.1	5114.5	5106.1	4367.6	3383.0	2890.7	2438.4	1533.7	855.2
110°	5403.0	5547.5	5403.0	5258.5	5222.3	4396.7	3295.9	2745.4	2337.6	1522.0	910.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5425.7	5647.7	5425.7	5203.8	5148.3	4303.3	3176.7	2613.3	2249.7	1522.4	977.0
115°	5281.8	5589.6	5281.8	4974.0	4897.1	4083.1	2997.8	2455.1	2148.9	1536.6	1077.2
117.5°	4976.7	5318.1	4976.7	4635.4	4550.1	3815.5	2836.0	2346.2	2085.8	1565.1	1174.6
120°	4730.9	5062.6	4730.9	4399.3	4316.4	3645.2	2750.2	2302.6	2064.6	1588.3	1231.2
122.5°	4491.5	4818.7	4491.5	4164.4	4082.6	3478.1	2672.2	2269.3	2053.5	1621.7	1297.9
125°	4150.0	4451.4	4150.0	3848.7	3773.3	3259.9	2575.2	2232.9	2044.2	1666.8	1383.6
127.5°	3842.9	4097.1	3842.9	3588.6	3525.1	3084.2	2496.3	2202.4	2038.9	1711.7	1466.4
130°	3661.9	3896.8	3661.9	3427.0	3368.3	2975.8	2452.5	2190.9	2042.1	1744.6	1521.5
132.5°	3497.7	3708.0	3497.7	3287.4	3234.7	2883.4	2414.9	2180.7	2044.2	1771.3	1566.6
135°	3272.6	3453.9	3272.6	3091.4	3046.0	2751.8	2359.5	2163.3	2042.3	1800.3	1618.8
137.5°	3092.1	3240.5	3092.1	2943.7	2906.6	2657.8	2326.2	2160.4	2054.9	1843.8	1685.6
140°	2968.3	3107.0	2968.3	2829.4	2794.8	2579.9	2293.4	2150.2	2056.9	1870.4	1730.6
142.5°	2865.6	2985.0	2865.6	2746.3	2716.4	2527.7	2276.0	2150.2	2064.4	1892.7	1764.0
145°	2711.7	2802.1	2711.7	2621.4	2598.8	2444.4	2238.6	2135.7	2064.4	1921.8	1814.8
147.5°	2593.6	2668.5	2593.6	2518.8	2500.1	2378.6	2216.7	2135.7	2078.6	1964.4	1878.7
150°	2519.3	2580.0	2519.3	2458.6	2443.4	2340.9	2204.1	2135.7	2086.0	1986.6	1912.1
152.5°	2455.8	2501.6	2455.8	2410.0	2398.5	2310.9	2194.1	2135.7	2090.8	2001.2	1933.9
155°	2382.7	2412.9	2382.7	2352.3	2344.7	2275.1	2182.2	2135.7	2101.5	2033.1	1981.8
157.5°	2324.9	2346.2	2324.9	2303.6	2298.3	2244.0	2171.8	2135.7	2112.2	2065.0	2029.7
160°	2290.4	2302.6	2290.4	2278.2	2275.1	2228.6	2166.6	2135.7	2117.0	2079.5	2051.5
162.5°	2267.8	2279.4	2267.8	2256.2	2253.3	2214.1	2161.9	2135.7	2122.2	2095.1	2074.7
165°	2235.2	2247.5	2235.2	2222.9	2219.8	2191.8	2154.4	2135.7	2129.5	2117.3	2108.0
167.5°	2211.8	2216.9	2211.8	2206.7	2205.3	2186.9	2162.4	2150.2	2145.1	2134.7	2126.9
170°	2205.3	2205.3	2205.3	2205.3	2205.3	2186.9	2162.4	2150.2	2149.8	2149.2	2148.7
172.5°	2188.1	2183.6	2188.1	2192.6	2193.8	2179.3	2159.9	2150.2	2150.2	2150.2	2150.2
175°	2177.8	2177.8	2177.8	2177.8	2177.8	2168.6	2156.4	2150.2	2153.1	2158.9	2163.3
177.5°	2168.4	2163.3	2168.4	2173.6	2174.9	2167.6	2158.0	2153.1	2155.3	2159.9	2163.3
180°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	3006.1	2989.3	2989.3	2961.2	2950.0	2941.6	2927.6	2885.5	2874.3	2863.1	2879.9
5°	3031.3	3000.5	2978.1	2927.6	2885.5	2868.7	2815.4	2714.5	2647.2	2596.7	2568.7
7.5°	3037.0	2997.7	2955.6	2877.1	2776.2	2731.3	2568.7	2383.5	2333.0	2288.2	2260.1
10°	3031.3	2986.5	2927.6	2809.8	2571.5	2493.0	2330.2	2209.6	2178.8	2170.4	2178.8
12.5°	3011.7	2969.7	2888.3	2692.0	2358.3	2305.0	2209.6	2139.5	2133.9	2148.0	2223.7
15°	2978.1	2938.8	2843.5	2535.0	2240.5	2201.2	2133.9	2108.7	2139.5	2237.7	2464.8
17.5°	2944.4	2899.6	2781.8	2380.7	2150.8	2122.7	2075.0	2125.5	2299.4	2431.2	2507.0
20°	2899.6	2846.3	2711.7	2268.5	2086.3	2061.0	2038.6	2265.7	2397.5	2445.2	2487.3
22.5°	2846.3	2790.2	2616.3	2190.0	2019.0	1999.3	2013.4	2344.2	2397.5	2431.2	2467.6
25°	2776.2	2728.5	2504.2	2128.3	1965.7	1943.3	1996.5	2335.8	2366.7	2375.1	2448.0
27.5°	2711.7	2650.0	2386.3	2072.2	1901.2	1892.8	2010.6	2299.4	2321.8	2330.2	2408.7
30°	2633.2	2540.6	2254.5	2013.4	1833.9	1831.1	2013.4	2254.5	2248.9	2271.3	2349.9
32.5°	2551.8	2377.9	2105.9	1940.4	1769.4	1766.6	1993.7	2187.2	2181.6	2212.4	2271.3
35°	2476.1	2251.7	1904.0	1856.3	1688.1	1690.9	1946.1	2108.7	2111.5	2139.5	2176.0
37.5°	2397.5	2142.3	1682.5	1763.8	1609.6	1609.6	1881.6	2035.8	2030.2	2038.6	2089.1
40°	2305.0	1971.3	1486.2	1643.2	1536.7	1528.2	1803.0	1957.3	1937.6	1934.8	2004.9
42.5°	2206.8	1783.4	1340.4	1483.4	1452.5	1441.3	1707.7	1861.9	1825.5	1833.9	1923.6
45°	2100.3	1732.9	1228.2	1253.4	1365.6	1357.2	1604.0	1752.6	1727.3	1749.8	1842.3
47.5°	1993.7	1632.0	1191.8	1040.3	1273.1	1270.3	1489.0	1646.0	1632.0	1654.4	1752.6
50°	1847.9	1519.8	1188.9	891.7	1169.3	1180.5	1351.6	1542.3	1542.3	1561.9	1665.6
52.5°	1660.0	1382.4	1079.6	807.6	1048.7	1082.4	1231.0	1452.5	1458.1	1477.8	1570.3
55°	1489.0	1239.4	1001.1	743.1	905.7	978.6	1113.2	1360.0	1371.2	1390.8	1475.0
57.5°	1332.0	1031.9	984.2	667.4	773.9	844.0	1009.5	1270.3	1275.9	1292.7	1374.0
60°	1163.7	745.9	902.9	586.1	659.0	712.2	914.1	1163.7	1183.3	1194.6	1264.7
62.5°	973.0	541.2	818.8	530.0	602.9	614.1	835.6	1062.8	1088.0	1096.4	1138.5
65°	692.6	454.3	695.4	482.3	544.0	546.8	751.5	959.0	981.4	995.5	1026.3
67.5°	468.3	370.1	530.0	437.4	499.1	501.9	670.2	838.4	869.3	880.5	900.1
70°	325.3	246.8	392.6	389.8	448.7	454.3	583.3	729.1	757.1	765.5	776.7
72.5°	238.4	199.1	325.3	350.5	395.4	401.0	493.5	605.7	633.7	642.1	647.8
75°	182.3	210.3	263.6	305.6	336.5	339.3	403.8	493.5	513.2	518.8	521.6
77.5°	145.8	196.3	193.5	246.8	274.8	269.2	316.9	381.4	398.2	398.2	398.2
80°	109.4	154.2	145.8	176.7	201.9	196.3	227.1	272.0	277.6	283.2	280.4
82.5°	81.3	98.1	98.1	112.2	134.6	129.0	151.4	176.7	176.7	176.7	182.3
85°	50.5	56.1	44.9	58.9	75.7	72.9	84.1	95.3	98.1	98.1	92.5
87.5°	30.8	25.2	14.0	22.4	33.6	33.6	39.3	42.1	39.3	39.3	39.3
90°	37.8	26.1	14.5	26.1	37.8	40.7	63.8	94.8	110.3	98.1	73.6
92.5°	255.5	156.8	58.0	156.8	255.5	280.2	394.0	545.6	621.4	544.6	391.0
95°	500.7	320.0	139.4	320.0	500.7	545.9	969.3	1533.9	1816.2	1620.7	1229.7
97.5°	559.8	400.3	241.0	400.3	559.8	599.6	1305.7	2247.1	2717.8	2594.3	2347.1
100°	608.5	464.0	319.4	464.0	608.5	644.7	1428.1	2472.9	2995.2	3004.2	3022.3
102.5°	655.9	521.1	386.2	521.1	655.9	689.6	1484.3	2543.8	3073.6	3231.0	3545.9
105°	727.9	613.6	499.4	613.6	727.9	756.5	1525.9	2551.8	3064.8	3417.8	4123.7
107.5°	828.5	722.1	615.6	722.1	828.5	855.2	1533.7	2438.4	2890.7	3383.0	4367.6
110°	886.3	790.1	694.0	790.1	886.3	910.3	1522.0	2337.6	2745.4	3295.9	4396.7



TEST NUMBER: P935529

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	954.1	862.5	770.9	862.5	954.1	977.0	1522.4	2249.7	2613.3	3176.7	4303.3
115°	1056.1	971.5	887.0	971.5	1056.1	1077.2	1536.6	2148.9	2455.1	2997.8	4083.1
117.5°	1155.4	1078.6	1001.8	1078.6	1155.4	1174.6	1565.1	2085.8	2346.2	2836.0	3815.5
120°	1213.2	1140.8	1068.6	1140.8	1213.2	1231.2	1588.3	2064.6	2302.6	2750.2	3645.2
122.5°	1279.7	1206.8	1133.9	1206.8	1279.7	1297.9	1621.7	2053.5	2269.3	2672.2	3478.1
125°	1367.0	1300.5	1234.1	1300.5	1367.0	1383.6	1666.8	2044.2	2232.9	2575.2	3259.9
127.5°	1449.6	1382.5	1315.4	1382.5	1449.6	1466.4	1711.7	2038.9	2202.4	2496.3	3084.2
130°	1503.5	1431.2	1359.0	1431.2	1503.5	1521.5	1744.6	2042.1	2190.9	2452.5	2975.8
132.5°	1548.5	1476.2	1403.9	1476.2	1548.5	1566.6	1771.3	2044.2	2180.7	2414.9	2883.4
135°	1602.4	1536.6	1470.8	1536.6	1602.4	1618.8	1800.3	2042.3	2163.3	2359.5	2751.8
137.5°	1669.3	1604.1	1539.0	1604.1	1669.3	1685.6	1843.8	2054.9	2160.4	2326.2	2657.8
140°	1715.6	1655.6	1595.5	1655.6	1715.6	1730.6	1870.4	2056.9	2150.2	2293.4	2579.9
142.5°	1750.1	1694.6	1639.1	1694.6	1750.1	1764.0	1892.7	2064.4	2150.2	2276.0	2527.7
145°	1802.8	1754.3	1705.9	1754.3	1802.8	1814.8	1921.8	2064.4	2135.7	2238.6	2444.4
147.5°	1866.9	1819.8	1772.7	1819.8	1866.9	1878.7	1964.4	2078.6	2135.7	2216.7	2378.6
150°	1901.5	1858.8	1816.2	1858.8	1901.5	1912.1	1986.6	2086.0	2135.7	2204.1	2340.9
152.5°	1925.9	1893.5	1861.3	1893.5	1925.9	1933.9	2001.2	2090.8	2135.7	2194.1	2310.9
155°	1975.8	1951.9	1928.0	1951.9	1975.8	1981.8	2033.1	2101.5	2135.7	2182.2	2275.1
157.5°	2023.9	2000.6	1977.5	2000.6	2023.9	2029.7	2065.0	2112.2	2135.7	2171.8	2244.0
160°	2047.0	2028.9	2010.8	2028.9	2047.0	2051.5	2079.5	2117.0	2135.7	2166.6	2228.6
162.5°	2071.3	2057.8	2044.2	2057.8	2071.3	2074.7	2095.1	2122.2	2135.7	2161.9	2214.1
165°	2105.0	2092.7	2080.5	2092.7	2105.0	2108.0	2117.3	2129.5	2135.7	2154.4	2191.8
167.5°	2125.5	2119.7	2113.9	2119.7	2125.5	2126.9	2134.7	2145.1	2150.2	2162.4	2186.9
170°	2147.3	2141.5	2135.7	2141.5	2147.3	2148.7	2149.2	2149.8	2150.2	2162.4	2186.9
172.5°	2149.9	2148.6	2147.3	2148.6	2149.9	2150.2	2150.2	2150.2	2150.2	2159.9	2179.3
175°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2158.9	2153.1	2150.2	2168.6
177.5°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2159.9	2155.3	2153.1	2167.6
180°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3



TEST NUMBER: P935529

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	2860.3	2851.9	2863.1	2832.3	2863.1	2851.9	2860.3	2879.9	2863.1	2874.3	2885.5
5°	2509.8	2495.8	2450.8	2414.3	2450.8	2495.8	2509.8	2568.7	2596.7	2647.2	2714.5
7.5°	2243.3	2232.1	2220.9	2198.4	2220.9	2232.1	2243.3	2260.1	2288.2	2333.0	2383.5
10°	2184.4	2187.2	2204.0	2201.2	2204.0	2187.2	2184.4	2178.8	2170.4	2178.8	2209.6
12.5°	2335.8	2361.1	2453.6	2448.0	2453.6	2361.1	2335.8	2223.7	2148.0	2133.9	2139.5
15°	2509.8	2518.2	2537.8	2540.6	2537.8	2518.2	2509.8	2464.8	2237.7	2139.5	2108.7
17.5°	2526.6	2529.4	2543.4	2543.4	2543.4	2529.4	2526.6	2507.0	2431.2	2299.4	2125.5
20°	2512.6	2518.2	2546.2	2551.8	2546.2	2518.2	2512.6	2487.3	2445.2	2397.5	2265.7
22.5°	2507.0	2518.2	2540.6	2537.8	2540.6	2518.2	2507.0	2467.6	2431.2	2397.5	2344.2
25°	2478.9	2478.9	2481.7	2484.5	2481.7	2478.9	2478.9	2448.0	2375.1	2366.7	2335.8
27.5°	2420.0	2425.6	2442.4	2439.6	2442.4	2425.6	2420.0	2408.7	2330.2	2321.8	2299.4
30°	2366.7	2361.1	2347.0	2335.8	2347.0	2361.1	2366.7	2349.9	2271.3	2248.9	2254.5
32.5°	2276.9	2262.9	2248.9	2240.5	2248.9	2262.9	2276.9	2271.3	2212.4	2181.6	2187.2
35°	2170.4	2173.2	2170.4	2162.0	2170.4	2173.2	2170.4	2176.0	2139.5	2111.5	2108.7
37.5°	2094.7	2100.3	2097.5	2086.3	2097.5	2100.3	2094.7	2089.1	2038.6	2030.2	2035.8
40°	2016.2	2019.0	2016.2	2007.7	2016.2	2019.0	2016.2	2004.9	1934.8	1937.6	1957.3
42.5°	1940.4	1937.6	1929.2	1923.6	1929.2	1937.6	1940.4	1923.6	1833.9	1825.5	1861.9
45°	1853.5	1856.3	1839.5	1831.1	1839.5	1856.3	1853.5	1842.3	1749.8	1727.3	1752.6
47.5°	1766.6	1766.6	1752.6	1744.2	1752.6	1766.6	1766.6	1752.6	1654.4	1632.0	1646.0
50°	1674.1	1671.3	1651.6	1648.8	1651.6	1671.3	1674.1	1665.6	1561.9	1542.3	1542.3
52.5°	1567.5	1567.5	1570.3	1575.9	1570.3	1567.5	1567.5	1570.3	1477.8	1458.1	1452.5
55°	1475.0	1477.8	1497.4	1503.0	1497.4	1477.8	1475.0	1475.0	1390.8	1371.2	1360.0
57.5°	1379.6	1379.6	1393.6	1393.6	1393.6	1379.6	1379.6	1374.0	1292.7	1275.9	1270.3
60°	1270.3	1275.9	1287.1	1284.3	1287.1	1275.9	1270.3	1264.7	1194.6	1183.3	1163.7
62.5°	1155.3	1160.9	1163.7	1158.1	1163.7	1160.9	1155.3	1138.5	1096.4	1088.0	1062.8
65°	1034.7	1040.3	1043.1	1037.5	1043.1	1040.3	1034.7	1026.3	995.5	981.4	959.0
67.5°	911.3	908.5	905.7	916.9	905.7	908.5	911.3	900.1	880.5	869.3	838.4
70°	785.2	785.2	782.3	788.0	782.3	785.2	785.2	776.7	765.5	757.1	729.1
72.5°	650.6	647.8	659.0	650.6	659.0	647.8	650.6	647.8	642.1	633.7	605.7
75°	518.8	524.4	518.8	527.2	518.8	524.4	518.8	521.6	518.8	513.2	493.5
77.5°	395.4	401.0	395.4	395.4	395.4	401.0	395.4	398.2	398.2	398.2	381.4
80°	280.4	277.6	277.6	274.8	277.6	277.6	280.4	280.4	283.2	277.6	272.0
82.5°	179.5	176.7	176.7	182.3	176.7	176.7	179.5	182.3	176.7	176.7	176.7
85°	98.1	100.9	95.3	95.3	95.3	100.9	98.1	92.5	98.1	98.1	95.3
87.5°	36.5	33.6	33.6	33.6	33.6	33.6	36.5	39.3	39.3	39.3	42.1
90°	55.1	55.1	55.1	55.1	55.1	55.1	55.1	73.6	98.1	110.3	94.8
92.5°	275.8	264.9	221.0	177.1	221.0	264.9	275.8	391.0	544.6	621.4	545.6
95°	936.5	903.2	770.3	637.4	770.3	903.2	936.5	1229.7	1620.7	1816.2	1533.9
97.5°	2161.8	2098.5	1845.6	1592.6	1845.6	2098.5	2161.8	2347.1	2594.3	2717.8	2247.1
100°	3035.8	2960.5	2659.1	2357.8	2659.1	2960.5	3035.8	3022.3	3004.2	2995.2	2472.9
102.5°	3782.1	3717.6	3459.4	3201.4	3459.4	3717.6	3782.1	3545.9	3231.0	3073.6	2543.8
105°	4653.2	4618.5	4479.8	4341.1	4479.8	4618.5	4653.2	4123.7	3417.8	3064.8	2551.8
107.5°	5106.1	5114.5	5148.1	5181.6	5148.1	5114.5	5106.1	4367.6	3383.0	2890.7	2438.4
110°	5222.3	5258.5	5403.0	5547.5	5403.0	5258.5	5222.3	4396.7	3295.9	2745.4	2337.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5148.3	5203.8	5425.7	5647.7	5425.7	5203.8	5148.3	4303.3	3176.7	2613.3	2249.7
115°	4897.1	4974.0	5281.8	5589.6	5281.8	4974.0	4897.1	4083.1	2997.8	2455.1	2148.9
117.5°	4550.1	4635.4	4976.7	5318.1	4976.7	4635.4	4550.1	3815.5	2836.0	2346.2	2085.8
120°	4316.4	4399.3	4730.9	5062.6	4730.9	4399.3	4316.4	3645.2	2750.2	2302.6	2064.6
122.5°	4082.6	4164.4	4491.5	4818.7	4491.5	4164.4	4082.6	3478.1	2672.2	2269.3	2053.5
125°	3773.3	3848.7	4150.0	4451.4	4150.0	3848.7	3773.3	3259.9	2575.2	2232.9	2044.2
127.5°	3525.1	3588.6	3842.9	4097.1	3842.9	3588.6	3525.1	3084.2	2496.3	2202.4	2038.9
130°	3368.3	3427.0	3661.9	3896.8	3661.9	3427.0	3368.3	2975.8	2452.5	2190.9	2042.1
132.5°	3234.7	3287.4	3497.7	3708.0	3497.7	3287.4	3234.7	2883.4	2414.9	2180.7	2044.2
135°	3046.0	3091.4	3272.6	3453.9	3272.6	3091.4	3046.0	2751.8	2359.5	2163.3	2042.3
137.5°	2906.6	2943.7	3092.1	3240.5	3092.1	2943.7	2906.6	2657.8	2326.2	2160.4	2054.9
140°	2794.8	2829.4	2968.3	3107.0	2968.3	2829.4	2794.8	2579.9	2293.4	2150.2	2056.9
142.5°	2716.4	2746.3	2865.6	2985.0	2865.6	2746.3	2716.4	2527.7	2276.0	2150.2	2064.4
145°	2598.8	2621.4	2711.7	2802.1	2711.7	2621.4	2598.8	2444.4	2238.6	2135.7	2064.4
147.5°	2500.1	2518.8	2593.6	2668.5	2593.6	2518.8	2500.1	2378.6	2216.7	2135.7	2078.6
150°	2443.4	2458.6	2519.3	2580.0	2519.3	2458.6	2443.4	2340.9	2204.1	2135.7	2086.0
152.5°	2398.5	2410.0	2455.8	2501.6	2455.8	2410.0	2398.5	2310.9	2194.1	2135.7	2090.8
155°	2344.7	2352.3	2382.7	2412.9	2382.7	2352.3	2344.7	2275.1	2182.2	2135.7	2101.5
157.5°	2298.3	2303.6	2324.9	2346.2	2324.9	2303.6	2298.3	2244.0	2171.8	2135.7	2112.2
160°	2275.1	2278.2	2290.4	2302.6	2290.4	2278.2	2275.1	2228.6	2166.6	2135.7	2117.0
162.5°	2253.3	2256.2	2267.8	2279.4	2267.8	2256.2	2253.3	2214.1	2161.9	2135.7	2122.2
165°	2219.8	2222.9	2235.2	2247.5	2235.2	2222.9	2219.8	2191.8	2154.4	2135.7	2129.5
167.5°	2205.3	2206.7	2211.8	2216.9	2211.8	2206.7	2205.3	2186.9	2162.4	2150.2	2145.1
170°	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3	2205.3	2186.9	2162.4	2150.2	2149.8
172.5°	2193.8	2192.6	2188.1	2183.6	2188.1	2192.6	2193.8	2179.3	2159.9	2150.2	2150.2
175°	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8	2177.8	2168.6	2156.4	2150.2	2153.1
177.5°	2174.9	2173.6	2168.4	2163.3	2168.4	2173.6	2174.9	2167.6	2158.0	2153.1	2155.3
180°	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3	2163.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2964.0	2964.0	2964.0	2964.0	2964.0
2.5°	2927.6	2941.6	2950.0	2961.2	2989.3
5°	2815.4	2868.7	2885.5	2927.6	2978.1
7.5°	2568.7	2731.3	2776.2	2877.1	2955.6
10°	2330.2	2493.0	2571.5	2809.8	2927.6
12.5°	2209.6	2305.0	2358.3	2692.0	2888.3
15°	2133.9	2201.2	2240.5	2535.0	2843.5
17.5°	2075.0	2122.7	2150.8	2380.7	2781.8
20°	2038.6	2061.0	2086.3	2268.5	2711.7
22.5°	2013.4	1999.3	2019.0	2190.0	2616.3
25°	1996.5	1943.3	1965.7	2128.3	2504.2
27.5°	2010.6	1892.8	1901.2	2072.2	2386.3
30°	2013.4	1831.1	1833.9	2013.4	2254.5
32.5°	1993.7	1766.6	1769.4	1940.4	2105.9
35°	1946.1	1690.9	1688.1	1856.3	1904.0
37.5°	1881.6	1609.6	1609.6	1763.8	1682.5
40°	1803.0	1528.2	1536.7	1643.2	1486.2
42.5°	1707.7	1441.3	1452.5	1483.4	1340.4
45°	1604.0	1357.2	1365.6	1253.4	1228.2
47.5°	1489.0	1270.3	1273.1	1040.3	1191.8
50°	1351.6	1180.5	1169.3	891.7	1188.9
52.5°	1231.0	1082.4	1048.7	807.6	1079.6
55°	1113.2	978.6	905.7	743.1	1001.1
57.5°	1009.5	844.0	773.9	667.4	984.2
60°	914.1	712.2	659.0	586.1	902.9
62.5°	835.6	614.1	602.9	530.0	818.8
65°	751.5	546.8	544.0	482.3	695.4
67.5°	670.2	501.9	499.1	437.4	530.0
70°	583.3	454.3	448.7	389.8	392.6
72.5°	493.5	401.0	395.4	350.5	325.3
75°	403.8	339.3	336.5	305.6	263.6
77.5°	316.9	269.2	274.8	246.8	193.5
80°	227.1	196.3	201.9	176.7	145.8
82.5°	151.4	129.0	134.6	112.2	98.1
85°	84.1	72.9	75.7	58.9	44.9
87.5°	39.3	33.6	33.6	22.4	14.0
90°	63.8	40.7	37.8	26.1	14.5
92.5°	394.0	280.2	255.5	156.8	58.0
95°	969.3	545.9	500.7	320.0	139.4
97.5°	1305.7	599.6	559.8	400.3	241.0
100°	1428.1	644.7	608.5	464.0	319.4
102.5°	1484.3	689.6	655.9	521.1	386.2
105°	1525.9	756.5	727.9	613.6	499.4
107.5°	1533.7	855.2	828.5	722.1	615.6
110°	1522.0	910.3	886.3	790.1	694.0



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CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1522.4	977.0	954.1	862.5	770.9
115°	1536.6	1077.2	1056.1	971.5	887.0
117.5°	1565.1	1174.6	1155.4	1078.6	1001.8
120°	1588.3	1231.2	1213.2	1140.8	1068.6
122.5°	1621.7	1297.9	1279.7	1206.8	1133.9
125°	1666.8	1383.6	1367.0	1300.5	1234.1
127.5°	1711.7	1466.4	1449.6	1382.5	1315.4
130°	1744.6	1521.5	1503.5	1431.2	1359.0
132.5°	1771.3	1566.6	1548.5	1476.2	1403.9
135°	1800.3	1618.8	1602.4	1536.6	1470.8
137.5°	1843.8	1685.6	1669.3	1604.1	1539.0
140°	1870.4	1730.6	1715.6	1655.6	1595.5
142.5°	1892.7	1764.0	1750.1	1694.6	1639.1
145°	1921.8	1814.8	1802.8	1754.3	1705.9
147.5°	1964.4	1878.7	1866.9	1819.8	1772.7
150°	1986.6	1912.1	1901.5	1858.8	1816.2
152.5°	2001.2	1933.9	1925.9	1893.5	1861.3
155°	2033.1	1981.8	1975.8	1951.9	1928.0
157.5°	2065.0	2029.7	2023.9	2000.6	1977.5
160°	2079.5	2051.5	2047.0	2028.9	2010.8
162.5°	2095.1	2074.7	2071.3	2057.8	2044.2
165°	2117.3	2108.0	2105.0	2092.7	2080.5
167.5°	2134.7	2126.9	2125.5	2119.7	2113.9
170°	2149.2	2148.7	2147.3	2141.5	2135.7
172.5°	2150.2	2150.2	2149.9	2148.6	2147.3
175°	2158.9	2163.3	2163.3	2163.3	2163.3
177.5°	2159.9	2163.3	2163.3	2163.3	2163.3
180°	2163.3	2163.3	2163.3	2163.3	2163.3



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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	10.99	11.73	12.06	12.81	14.27	13.84	14.58	14.91	15.66	17.12
	3H	11.46	12.12	12.54	13.20	14.69	15.18	15.85	16.26	16.93	18.41
	4H	11.64	12.27	12.73	13.36	14.85	15.63	16.26	16.72	17.34	18.83
	6H	11.75	12.34	12.86	13.42	14.92	15.91	16.49	17.01	17.58	19.08
	8H	11.75	12.30	12.86	13.41	14.90	15.98	16.54	17.09	17.64	19.14
	12H	11.72	12.24	12.83	13.34	14.86	16.02	16.55	17.13	17.64	19.16
4H	2H	12.01	12.64	13.11	13.73	15.22	14.23	14.86	15.33	15.95	17.44
	3H	13.03	13.55	14.13	14.67	16.17	15.73	16.26	16.84	17.37	18.87
	4H	13.30	13.78	14.41	14.88	16.41	16.26	16.75	17.37	17.85	19.37
	6H	13.42	13.83	14.54	14.95	16.47	16.63	17.04	17.74	18.16	19.68
	8H	13.42	13.81	14.54	14.92	16.45	16.73	17.12	17.85	18.24	19.77
	12H	13.38	13.73	14.52	14.86	16.40	16.79	17.14	17.92	18.27	19.80
8H	4H	13.75	14.13	14.86	15.25	16.78	16.38	16.76	17.49	17.88	19.41
	6H	14.00	14.32	15.14	15.48	17.01	16.81	17.13	17.95	18.29	19.82
	8H	14.04	14.32	15.19	15.46	17.01	16.97	17.25	18.11	18.39	19.93
	12H	14.02	14.27	15.17	15.40	16.99	17.06	17.31	18.22	18.45	20.03
12H	4H	13.75	14.10	14.88	15.23	16.76	16.33	16.69	17.47	17.81	19.35
	6H	14.06	14.34	15.21	15.48	17.03	16.81	17.09	17.96	18.23	19.78
	8H	14.12	14.37	15.27	15.50	17.09	16.97	17.21	18.12	18.35	19.93