

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: P935926

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935926
REPORT IS A COMBINATION OF REPORTS P933773 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

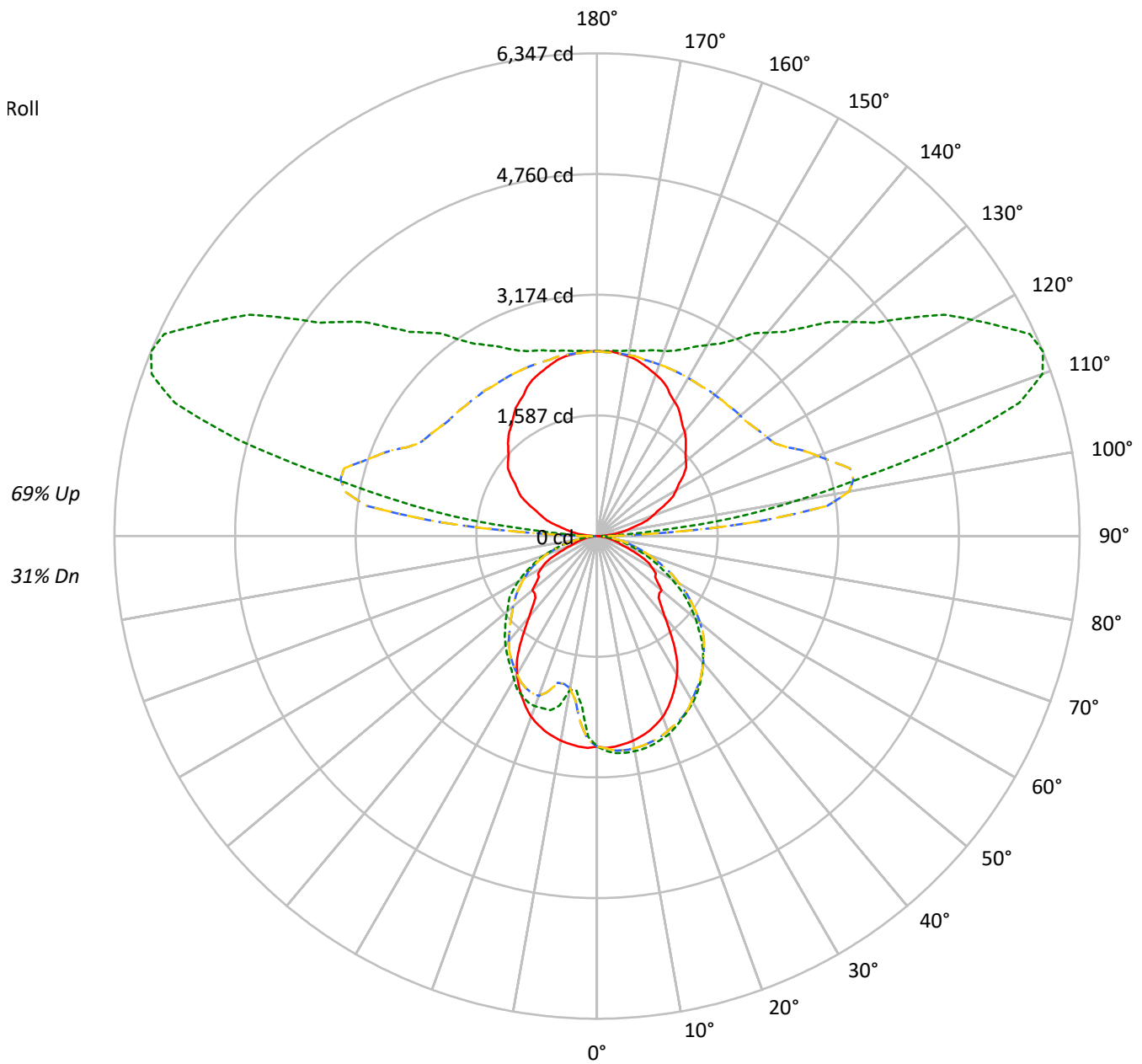
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22939.6 lumens
Efficiency: N/A
Efficacy: 120.2 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): 190.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	50	30	10	0														
RCR																																						
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31						31														
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	26						26														
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	22						22														
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19						19														
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16						16														
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14						14														
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12						12														
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11						11														
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10						10														
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	9						9														
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8						8														

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8553	8553	8553	8553
5°	8620	8634	8620	6789
10°	8566	8505	8566	6080
15°	8476	8321	8476	6948
20°	8302	8102	8302	6962
25°	7943	7784	7943	6815
30°	7476	7520	7476	6491
35°	6668	7185	6668	6135
40°	5559	6792	5559	5866
45°	4971	6331	4971	5557
50°	5285	5781	5285	5246
55°	4977	5189	4977	5066
60°	5137	4407	5137	4641
65°	4665	3643	4665	4073
70°	3239	2903	3239	3414
75°	2850	2146	2850	2570
80°	2313	1419	2313	1545
85°	1358	751	1358	638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7614 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.6	1.1
10°-20°	708.7	3.1
20°-30°	1095.6	4.8
30°-40°	1307.8	5.7
40°-50°	1315.5	5.7
50°-60°	1144.6	5.0
60°-70°	811.6	3.5
70°-80°	429.4	1.9
80°-90°	116.2	0.5
90°-100°	1185.1	5.2
100°-110°	3115.7	13.6
110°-120°	3230.6	14.1
120°-130°	2591.4	11.3
130°-140°	2033.3	8.9
140°-150°	1560.6	6.8
150°-160°	1123.9	4.9
160°-170°	687.7	3.0
170°-180°	232.3	1.0
0°-30°	2053.9	9.0
0°-40°	3361.8	14.7
0°-60°	5821.9	25.4
0°-90°	7179.1	31.3
90°-120°	7531.4	32.8
90°-150°	13716.7	59.8
90°-180°	15761.0	68.7
0°-180°	22939.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2765	2765	2765	2765	2765	
5°	2778	2865	2778	2252	2778	264
15°	2653	2839	2653	2370	2653	746
25°	2336	2648	2336	2318	2336	1073
35°	1776	2362	1776	2017	1776	1099
45°	1146	1946	1146	1708	1146	918
55°	934	1436	934	1402	934	858
65°	649	866	649	968	649	620
75°	246	411	246	492	246	259
85°	42	105	42	89	42	57
90°	16	62	16	62	16	15
95°	157	716	157	716	157	174
105°	561	4879	561	4879	561	595
115°	997	6282	997	6282	997	985
125°	1387	5003	1387	5003	1387	1231
135°	1653	3882	1653	3882	1653	1279
145°	1917	3149	1917	3149	1917	1201
155°	2167	2712	2167	2712	2167	996
165°	2338	2526	2338	2526	2338	660
175°	2431	2448	2431	2448	2431	231
180°	2431	2431	2431	2431	2431	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2788.9	2788.9	2804.5	2809.8	2809.8	2801.9	2794.1	2801.9	2825.5	2833.3	2830.7
5°	2778.4	2799.3	2828.1	2833.3	2838.6	2835.9	2830.7	2835.9	2862.1	2867.3	2870.0
7.5°	2757.5	2796.7	2833.3	2841.2	2849.0	2841.2	2838.6	2843.8	2870.0	2875.2	2875.2
10°	2731.3	2786.2	2828.1	2833.3	2841.2	2833.3	2833.3	2843.8	2870.0	2875.2	2877.8
12.5°	2694.7	2770.5	2809.8	2815.0	2825.5	2822.9	2820.2	2830.7	2856.9	2862.1	2862.1
15°	2652.8	2741.8	2778.4	2783.6	2801.9	2796.7	2796.7	2807.2	2835.9	2843.8	2841.2
17.5°	2595.3	2705.1	2747.0	2754.8	2767.9	2765.3	2767.9	2778.4	2804.5	2809.8	2812.4
20°	2529.9	2655.4	2705.1	2713.0	2726.1	2726.1	2726.1	2739.1	2765.3	2775.8	2775.8
22.5°	2440.9	2603.1	2655.4	2660.7	2676.4	2676.4	2681.6	2699.9	2723.4	2726.1	2726.1
25°	2336.3	2545.6	2590.0	2605.7	2621.4	2629.3	2637.1	2647.6	2655.4	2652.8	2655.4
27.5°	2226.3	2472.3	2529.9	2540.3	2561.3	2569.1	2579.6	2582.2	2584.8	2592.6	2587.4
30°	2103.3	2370.3	2456.6	2467.1	2501.1	2506.3	2495.8	2501.1	2514.2	2519.4	2524.6
32.5°	1964.7	2218.5	2380.7	2404.3	2435.7	2420.0	2417.4	2425.2	2446.1	2446.1	2451.4
35°	1776.3	2100.7	2310.1	2331.0	2354.6	2336.3	2346.7	2349.3	2362.4	2370.3	2367.7
37.5°	1569.7	1998.7	2236.8	2252.5	2270.8	2247.2	2262.9	2270.8	2281.2	2276.0	2276.0
40°	1386.5	1839.1	2150.4	2160.9	2176.6	2158.3	2174.0	2179.2	2184.4	2179.2	2176.6
42.5°	1250.5	1663.8	2058.9	2072.0	2061.5	2074.6	2079.8	2090.3	2082.4	2072.0	2072.0
45°	1145.9	1616.8	1959.5	1975.2	1959.5	1980.4	1988.2	1988.2	1964.7	1959.5	1956.8
47.5°	1111.8	1522.6	1860.0	1860.0	1852.2	1878.4	1891.4	1873.1	1849.6	1841.7	1841.7
50°	1109.2	1417.9	1724.0	1713.5	1750.2	1781.6	1768.5	1750.2	1731.9	1703.1	1703.1
52.5°	1007.2	1289.7	1548.7	1588.0	1645.5	1663.8	1642.9	1624.6	1593.2	1580.1	1569.7
55°	933.9	1156.3	1389.2	1467.6	1527.8	1551.3	1512.1	1493.8	1446.7	1438.9	1433.6
57.5°	918.3	962.7	1242.6	1342.1	1415.3	1412.7	1389.2	1355.1	1315.9	1308.1	1305.4
60°	842.4	695.9	1085.7	1203.4	1279.3	1271.4	1250.5	1219.1	1182.5	1177.2	1172.0
62.5°	763.9	504.9	907.8	1041.2	1148.5	1145.9	1127.5	1080.5	1054.3	1041.2	1030.7
65°	648.8	423.8	646.2	865.9	1020.3	1025.5	986.3	952.3	923.5	907.8	905.2
67.5°	494.4	345.3	436.9	722.0	897.3	892.1	842.4	826.7	790.1	782.2	766.5
70°	366.3	230.2	303.5	586.0	777.0	763.9	724.7	706.3	672.3	654.0	643.6
72.5°	303.5	185.7	222.4	455.2	654.0	638.3	604.3	583.4	554.6	538.9	528.5
75°	245.9	196.2	170.0	337.5	531.1	520.6	489.2	468.3	444.7	423.8	426.4
77.5°	180.5	183.1	136.0	248.5	421.2	405.5	387.2	361.0	350.6	329.6	329.6
80°	136.0	143.9	102.0	170.0	303.5	303.5	287.8	269.5	251.1	240.7	240.7
82.5°	91.6	91.6	75.9	107.3	206.7	198.8	188.4	183.1	172.7	167.4	167.4
85°	41.9	52.3	47.1	65.4	112.5	117.7	117.7	112.5	109.9	104.6	107.3
87.5°	13.1	23.5	28.8	36.6	57.6	60.2	62.8	62.8	62.8	65.4	65.4
90°	16.3	29.4	42.5	45.7	71.8	106.6	124.0	110.2	82.7	62.0	62.0
92.5°	65.2	176.2	287.2	314.9	442.7	613.1	698.3	612.0	439.4	310.0	297.7
95°	156.6	359.6	562.7	613.5	1089.4	1724.0	2041.3	1821.5	1382.1	1052.5	1015.1
97.5°	270.9	450.0	629.1	673.9	1467.5	2525.5	3054.5	2915.6	2637.9	2429.6	2358.5
100°	358.9	521.4	683.8	724.5	1605.1	2779.1	3366.1	3376.3	3396.6	3411.8	3327.2
102.5°	434.0	585.6	737.1	775.1	1668.1	2858.9	3454.3	3631.2	3985.1	4250.6	4178.0
105°	561.3	689.7	818.1	850.1	1714.9	2867.9	3444.4	3841.1	4634.5	5229.5	5190.5
107.5°	691.9	811.5	931.2	961.1	1723.6	2740.3	3248.7	3802.0	4908.6	5738.6	5748.0
110°	779.9	888.0	996.0	1023.1	1710.6	2627.2	3085.5	3704.1	4941.3	5869.1	5909.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	866.5	969.4	1072.4	1098.2	1711.1	2528.4	2937.0	3570.1	4836.3	5785.9	5848.3
115°	997.0	1092.0	1187.0	1210.7	1726.9	2415.1	2759.2	3369.1	4588.8	5503.7	5590.2
117.5°	1125.9	1212.1	1298.5	1320.0	1758.9	2344.1	2636.8	3187.2	4288.1	5113.7	5209.6
120°	1200.9	1282.2	1363.3	1383.7	1785.1	2320.2	2587.8	3090.8	4096.6	4851.0	4944.2
122.5°	1274.3	1356.3	1438.2	1458.7	1822.6	2307.8	2550.4	3003.2	3909.0	4588.3	4680.2
125°	1387.0	1461.6	1536.3	1555.0	1873.2	2297.5	2509.5	2894.3	3663.7	4240.7	4325.4
127.5°	1478.3	1553.7	1629.1	1648.0	1923.7	2291.4	2475.3	2805.6	3466.2	3961.7	4033.2
130°	1527.3	1608.5	1689.7	1710.0	1960.7	2295.0	2462.2	2756.2	3344.4	3785.5	3851.5
132.5°	1577.9	1659.0	1740.2	1760.5	1990.6	2297.4	2450.8	2714.0	3240.6	3635.4	3694.5
135°	1652.9	1726.8	1800.8	1819.3	2023.3	2295.3	2431.2	2651.7	3092.6	3423.3	3474.2
137.5°	1729.6	1802.8	1876.1	1894.4	2072.2	2309.3	2427.9	2614.3	2987.1	3266.6	3308.3
140°	1793.3	1860.7	1928.2	1945.0	2102.1	2311.7	2416.5	2577.5	2899.5	3141.0	3180.0
142.5°	1842.2	1904.5	1966.9	1982.5	2127.2	2320.0	2416.5	2557.9	2840.7	3052.9	3086.5
145°	1917.3	1971.7	2026.0	2039.6	2159.8	2320.0	2400.2	2515.8	2747.2	2920.7	2946.1
147.5°	1992.2	2045.2	2098.1	2111.4	2207.6	2336.0	2400.2	2491.2	2673.2	2809.8	2830.8
150°	2041.3	2089.1	2137.0	2149.0	2232.7	2344.4	2400.2	2477.1	2630.8	2746.1	2763.1
152.5°	2091.8	2128.1	2164.3	2173.4	2249.0	2349.8	2400.2	2465.9	2597.1	2695.5	2708.5
155°	2166.9	2193.8	2220.5	2227.3	2284.9	2361.7	2400.2	2452.4	2556.9	2635.2	2643.7
157.5°	2222.4	2248.5	2274.5	2281.1	2320.7	2373.7	2400.2	2440.8	2522.0	2583.0	2589.0
160°	2259.9	2280.2	2300.5	2305.6	2337.1	2379.2	2400.2	2435.0	2504.6	2556.8	2560.3
162.5°	2297.4	2312.6	2327.8	2331.6	2354.5	2384.9	2400.2	2429.6	2488.3	2532.4	2535.6
165°	2338.2	2352.0	2365.7	2369.2	2379.5	2393.3	2400.2	2421.2	2463.2	2494.8	2498.3
167.5°	2375.8	2382.3	2388.8	2390.4	2399.1	2410.7	2416.5	2430.3	2457.8	2478.5	2480.0
170°	2400.2	2406.7	2413.3	2414.9	2415.4	2416.1	2416.5	2430.3	2457.8	2478.5	2478.5
172.5°	2413.3	2414.7	2416.1	2416.5	2416.5	2416.5	2416.5	2427.4	2449.2	2465.5	2464.2
175°	2431.2	2431.2	2431.2	2431.2	2426.3	2419.8	2416.5	2423.4	2437.2	2447.5	2447.5
177.5°	2431.2	2431.2	2431.2	2431.2	2427.4	2422.3	2419.8	2425.2	2436.1	2444.2	2442.7
180°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2835.9	2828.1	2835.9	2830.7	2833.3	2825.5	2801.9	2794.1	2801.9	2809.8	2809.8
5°	2870.0	2864.7	2870.0	2870.0	2867.3	2862.1	2835.9	2830.7	2835.9	2838.6	2833.3
7.5°	2880.4	2872.6	2880.4	2875.2	2875.2	2870.0	2843.8	2838.6	2841.2	2849.0	2841.2
10°	2880.4	2872.6	2880.4	2877.8	2875.2	2870.0	2843.8	2833.3	2833.3	2841.2	2833.3
12.5°	2867.3	2862.1	2867.3	2862.1	2862.1	2856.9	2830.7	2820.2	2822.9	2825.5	2815.0
15°	2846.4	2838.6	2846.4	2841.2	2843.8	2835.9	2807.2	2796.7	2796.7	2801.9	2783.6
17.5°	2815.0	2804.5	2815.0	2812.4	2809.8	2804.5	2778.4	2767.9	2765.3	2767.9	2754.8
20°	2778.4	2770.5	2778.4	2775.8	2775.8	2765.3	2739.1	2726.1	2726.1	2726.1	2713.0
22.5°	2720.8	2713.0	2720.8	2726.1	2726.1	2723.4	2699.9	2681.6	2676.4	2676.4	2660.7
25°	2655.4	2647.6	2655.4	2655.4	2652.8	2655.4	2647.6	2637.1	2629.3	2621.4	2605.7
27.5°	2592.6	2587.4	2592.6	2587.4	2592.6	2584.8	2582.2	2579.6	2569.1	2561.3	2540.3
30°	2529.9	2524.6	2529.9	2524.6	2519.4	2514.2	2501.1	2495.8	2506.3	2501.1	2467.1
32.5°	2451.4	2446.1	2451.4	2451.4	2446.1	2446.1	2425.2	2417.4	2420.0	2435.7	2404.3
35°	2370.3	2362.4	2370.3	2367.7	2370.3	2362.4	2349.3	2346.7	2336.3	2354.6	2331.0
37.5°	2276.0	2268.2	2276.0	2276.0	2276.0	2281.2	2270.8	2262.9	2247.2	2270.8	2252.5
40°	2179.2	2168.7	2179.2	2176.6	2179.2	2184.4	2179.2	2174.0	2158.3	2176.6	2160.9
42.5°	2069.3	2066.7	2069.3	2072.0	2072.0	2082.4	2090.3	2079.8	2074.6	2061.5	2072.0
45°	1951.6	1946.4	1951.6	1956.8	1959.5	1964.7	1988.2	1988.2	1980.4	1959.5	1975.2
47.5°	1826.0	1813.0	1826.0	1841.7	1841.7	1849.6	1873.1	1891.4	1878.4	1852.2	1860.0
50°	1692.6	1695.2	1692.6	1703.1	1703.1	1731.9	1750.2	1768.5	1781.6	1750.2	1713.5
52.5°	1561.8	1559.2	1561.8	1569.7	1580.1	1593.2	1624.6	1642.9	1663.8	1645.5	1588.0
55°	1431.0	1436.2	1431.0	1433.6	1438.9	1446.7	1493.8	1512.1	1551.3	1527.8	1467.6
57.5°	1300.2	1292.4	1300.2	1305.4	1308.1	1315.9	1355.1	1389.2	1412.7	1415.3	1342.1
60°	1148.5	1138.0	1148.5	1172.0	1177.2	1182.5	1219.1	1250.5	1271.4	1279.3	1203.4
62.5°	1015.0	996.7	1015.0	1030.7	1041.2	1054.3	1080.5	1127.5	1145.9	1148.5	1041.2
65°	873.8	865.9	873.8	905.2	907.8	923.5	952.3	986.3	1025.5	1020.3	865.9
67.5°	745.6	745.6	745.6	766.5	782.2	790.1	826.7	842.4	892.1	897.3	722.0
70°	627.9	625.2	627.9	643.6	654.0	672.3	706.3	724.7	763.9	777.0	586.0
72.5°	515.4	512.8	515.4	528.5	538.9	554.6	583.4	604.3	638.3	654.0	455.2
75°	416.0	410.7	416.0	426.4	423.8	444.7	468.3	489.2	520.6	531.1	337.5
77.5°	319.2	319.2	319.2	329.6	329.6	350.6	361.0	387.2	405.5	421.2	248.5
80°	238.1	235.4	238.1	240.7	240.7	251.1	269.5	287.8	303.5	303.5	170.0
82.5°	167.4	162.2	167.4	167.4	167.4	172.7	183.1	188.4	198.8	206.7	107.3
85°	104.6	104.6	104.6	107.3	104.6	109.9	112.5	117.7	117.7	112.5	65.4
87.5°	68.0	65.4	68.0	65.4	65.4	62.8	62.8	62.8	60.2	57.6	36.6
90°	62.0	62.0	62.0	62.0	62.0	82.7	110.2	124.0	106.6	71.8	45.7
92.5°	248.4	199.1	248.4	297.7	310.0	439.4	612.0	698.3	613.1	442.7	314.9
95°	865.7	716.3	865.7	1015.1	1052.5	1382.1	1821.5	2041.3	1724.0	1089.4	613.5
97.5°	2074.2	1789.9	2074.2	2358.5	2429.6	2637.9	2915.6	3054.5	2525.5	1467.5	673.9
100°	2988.5	2649.8	2988.5	3327.2	3411.8	3396.6	3376.3	3366.1	2779.1	1605.1	724.5
102.5°	3888.0	3597.8	3888.0	4178.0	4250.6	3985.1	3631.2	3454.3	2858.9	1668.1	775.1
105°	5034.7	4878.8	5034.7	5190.5	5229.5	4634.5	3841.1	3444.4	2867.9	1714.9	850.1
107.5°	5785.8	5823.4	5785.8	5748.0	5738.6	4908.6	3802.0	3248.7	2740.3	1723.6	961.1
110°	6072.2	6234.7	6072.2	5909.8	5869.1	4941.3	3704.1	3085.5	2627.2	1710.6	1023.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6097.8	6347.3	6097.8	5848.3	5785.9	4836.3	3570.1	2937.0	2528.4	1711.1	1098.2
115°	5936.0	6282.0	5936.0	5590.2	5503.7	4588.8	3369.1	2759.2	2415.1	1726.9	1210.7
117.5°	5593.2	5976.8	5593.2	5209.6	5113.7	4288.1	3187.2	2636.8	2344.1	1758.9	1320.0
120°	5316.9	5689.7	5316.9	4944.2	4851.0	4096.6	3090.8	2587.8	2320.2	1785.1	1383.7
122.5°	5047.9	5415.6	5047.9	4680.2	4588.3	3909.0	3003.2	2550.4	2307.8	1822.6	1458.7
125°	4664.1	5002.8	4664.1	4325.4	4240.7	3663.7	2894.3	2509.5	2297.5	1873.2	1555.0
127.5°	4318.9	4604.6	4318.9	4033.2	3961.7	3466.2	2805.6	2475.3	2291.4	1923.7	1648.0
130°	4115.5	4379.4	4115.5	3851.5	3785.5	3344.4	2756.2	2462.2	2295.0	1960.7	1710.0
132.5°	3930.9	4167.3	3930.9	3694.5	3635.4	3240.6	2714.0	2450.8	2297.4	1990.6	1760.5
135°	3678.0	3881.8	3678.0	3474.2	3423.3	3092.6	2651.7	2431.2	2295.3	2023.3	1819.3
137.5°	3475.1	3641.9	3475.1	3308.3	3266.6	2987.1	2614.3	2427.9	2309.3	2072.2	1894.4
140°	3335.9	3491.8	3335.9	3180.0	3141.0	2899.5	2577.5	2416.5	2311.7	2102.1	1945.0
142.5°	3220.6	3354.7	3220.6	3086.5	3052.9	2840.7	2557.9	2416.5	2320.0	2127.2	1982.5
145°	3047.7	3149.2	3047.7	2946.1	2920.7	2747.2	2515.8	2400.2	2320.0	2159.8	2039.6
147.5°	2914.9	2999.0	2914.9	2830.8	2809.8	2673.2	2491.2	2400.2	2336.0	2207.6	2111.4
150°	2831.3	2899.5	2831.3	2763.1	2746.1	2630.8	2477.1	2400.2	2344.4	2232.7	2149.0
152.5°	2759.9	2811.4	2759.9	2708.5	2695.5	2597.1	2465.9	2400.2	2349.8	2249.0	2173.4
155°	2677.8	2711.9	2677.8	2643.7	2635.2	2556.9	2452.4	2400.2	2361.7	2284.9	2227.3
157.5°	2612.9	2636.8	2612.9	2589.0	2583.0	2522.0	2440.8	2400.2	2373.7	2320.7	2281.1
160°	2574.1	2587.8	2574.1	2560.3	2556.8	2504.6	2435.0	2400.2	2379.2	2337.1	2305.6
162.5°	2548.7	2561.8	2548.7	2535.6	2532.4	2488.3	2429.6	2400.2	2384.9	2354.5	2331.6
165°	2512.1	2525.8	2512.1	2498.3	2494.8	2463.2	2421.2	2400.2	2393.3	2379.5	2369.2
167.5°	2485.7	2491.6	2485.7	2480.0	2478.5	2457.8	2430.3	2416.5	2410.7	2399.1	2390.4
170°	2478.5	2478.5	2478.5	2478.5	2478.5	2457.8	2430.3	2416.5	2416.1	2415.4	2414.9
172.5°	2459.1	2454.1	2459.1	2464.2	2465.5	2449.2	2427.4	2416.5	2416.5	2416.5	2416.5
175°	2447.5	2447.5	2447.5	2447.5	2447.5	2437.2	2423.4	2416.5	2419.8	2426.3	2431.2
177.5°	2437.0	2431.2	2437.0	2442.7	2444.2	2436.1	2425.2	2419.8	2422.3	2427.4	2431.2
180°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2804.5	2788.9	2788.9	2762.7	2752.2	2744.4	2731.3	2692.1	2681.6	2671.1	2686.8
5°	2828.1	2799.3	2778.4	2731.3	2692.1	2676.4	2626.7	2532.5	2469.7	2422.6	2396.4
7.5°	2833.3	2796.7	2757.5	2684.2	2590.0	2548.2	2396.4	2223.7	2176.6	2134.7	2108.6
10°	2828.1	2786.2	2731.3	2621.4	2399.1	2325.8	2174.0	2061.5	2032.7	2024.9	2032.7
12.5°	2809.8	2770.5	2694.7	2511.5	2200.1	2150.4	2061.5	1996.1	1990.9	2003.9	2074.6
15°	2778.4	2741.8	2652.8	2365.0	2090.3	2053.6	1990.9	1967.3	1996.1	2087.6	2299.6
17.5°	2747.0	2705.1	2595.3	2221.1	2006.6	1980.4	1935.9	1983.0	2145.2	2268.2	2338.9
20°	2705.1	2655.4	2529.9	2116.4	1946.4	1922.8	1901.9	2113.8	2236.8	2281.2	2320.6
22.5°	2655.4	2603.1	2440.9	2043.2	1883.6	1865.3	1878.4	2187.1	2236.8	2268.2	2302.2
25°	2590.0	2545.6	2336.3	1985.6	1833.9	1813.0	1862.7	2179.2	2208.0	2215.8	2283.9
27.5°	2529.9	2472.3	2226.3	1933.3	1773.7	1765.9	1875.7	2145.2	2166.1	2174.0	2247.2
30°	2456.6	2370.3	2103.3	1878.4	1710.9	1708.3	1878.4	2103.3	2098.1	2119.0	2192.3
32.5°	2380.7	2218.5	1964.7	1810.3	1650.8	1648.1	1860.0	2040.6	2035.3	2064.1	2119.0
35°	2310.1	2100.7	1776.3	1731.9	1574.9	1577.5	1815.6	1967.3	1969.9	1996.1	2030.1
37.5°	2236.8	1998.7	1569.7	1645.5	1501.6	1501.6	1755.4	1899.3	1894.1	1901.9	1949.0
40°	2150.4	1839.1	1386.5	1533.0	1433.6	1425.8	1682.2	1826.0	1807.7	1805.1	1870.5
42.5°	2058.9	1663.8	1250.5	1383.9	1355.1	1344.7	1593.2	1737.1	1703.1	1710.9	1794.6
45°	1959.5	1616.8	1145.9	1169.4	1274.0	1266.2	1496.4	1635.1	1611.5	1632.4	1718.8
47.5°	1860.0	1522.6	1111.8	970.6	1187.7	1185.1	1389.2	1535.7	1522.6	1543.5	1635.1
50°	1724.0	1417.9	1109.2	831.9	1090.9	1101.4	1261.0	1438.9	1438.9	1457.2	1554.0
52.5°	1548.7	1289.7	1007.2	753.4	978.4	1009.8	1148.5	1355.1	1360.4	1378.7	1465.0
55°	1389.2	1156.3	933.9	693.3	845.0	913.0	1038.6	1268.8	1279.3	1297.6	1376.1
57.5°	1242.6	962.7	918.3	622.6	722.0	787.4	941.8	1185.1	1190.3	1206.0	1281.9
60°	1085.7	695.9	842.4	546.8	614.8	664.5	852.8	1085.7	1104.0	1114.5	1179.9
62.5°	907.8	504.9	763.9	494.4	562.5	572.9	779.6	991.5	1015.0	1022.9	1062.1
65°	646.2	423.8	648.8	450.0	507.5	510.1	701.1	894.7	915.6	928.7	957.5
67.5°	436.9	345.3	494.4	408.1	465.7	468.3	625.2	782.2	811.0	821.5	839.8
70°	303.5	230.2	366.3	363.6	418.6	423.8	544.1	680.2	706.3	714.2	724.7
72.5°	222.4	185.7	303.5	327.0	368.9	374.1	460.4	565.1	591.2	599.1	604.3
75°	170.0	196.2	245.9	285.2	313.9	316.5	376.7	460.4	478.7	484.0	486.6
77.5°	136.0	183.1	180.5	230.2	256.4	251.1	295.6	355.8	371.5	371.5	371.5
80°	102.0	143.9	136.0	164.8	188.4	183.1	211.9	253.8	259.0	264.2	261.6
82.5°	75.9	91.6	91.6	104.6	125.6	120.3	141.3	164.8	164.8	164.8	170.0
85°	47.1	52.3	41.9	54.9	70.6	68.0	78.5	88.9	91.6	91.6	86.3
87.5°	28.8	23.5	13.1	20.9	31.4	31.4	36.6	39.2	36.6	36.6	36.6
90°	42.5	29.4	16.3	29.4	42.5	45.7	71.8	106.6	124.0	110.2	82.7
92.5°	287.2	176.2	65.2	176.2	287.2	314.9	442.7	613.1	698.3	612.0	439.4
95°	562.7	359.6	156.6	359.6	562.7	613.5	1089.4	1724.0	2041.3	1821.5	1382.1
97.5°	629.1	450.0	270.9	450.0	629.1	673.9	1467.5	2525.5	3054.5	2915.6	2637.9
100°	683.8	521.4	358.9	521.4	683.8	724.5	1605.1	2779.1	3366.1	3376.3	3396.6
102.5°	737.1	585.6	434.0	585.6	737.1	775.1	1668.1	2858.9	3454.3	3631.2	3985.1
105°	818.1	689.7	561.3	689.7	818.1	850.1	1714.9	2867.9	3444.4	3841.1	4634.5
107.5°	931.2	811.5	691.9	811.5	931.2	961.1	1723.6	2740.3	3248.7	3802.0	4908.6
110°	996.0	888.0	779.9	888.0	996.0	1023.1	1710.6	2627.2	3085.5	3704.1	4941.3



TEST NUMBER: P935926

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1072.4	969.4	866.5	969.4	1072.4	1098.2	1711.1	2528.4	2937.0	3570.1	4836.3
115°	1187.0	1092.0	997.0	1092.0	1187.0	1210.7	1726.9	2415.1	2759.2	3369.1	4588.8
117.5°	1298.5	1212.1	1125.9	1212.1	1298.5	1320.0	1758.9	2344.1	2636.8	3187.2	4288.1
120°	1363.3	1282.2	1200.9	1282.2	1363.3	1383.7	1785.1	2320.2	2587.8	3090.8	4096.6
122.5°	1438.2	1356.3	1274.3	1356.3	1438.2	1458.7	1822.6	2307.8	2550.4	3003.2	3909.0
125°	1536.3	1461.6	1387.0	1461.6	1536.3	1555.0	1873.2	2297.5	2509.5	2894.3	3663.7
127.5°	1629.1	1553.7	1478.3	1553.7	1629.1	1648.0	1923.7	2291.4	2475.3	2805.6	3466.2
130°	1689.7	1608.5	1527.3	1608.5	1689.7	1710.0	1960.7	2295.0	2462.2	2756.2	3344.4
132.5°	1740.2	1659.0	1577.9	1659.0	1740.2	1760.5	1990.6	2297.4	2450.8	2714.0	3240.6
135°	1800.8	1726.8	1652.9	1726.8	1800.8	1819.3	2023.3	2295.3	2431.2	2651.7	3092.6
137.5°	1876.1	1802.8	1729.6	1802.8	1876.1	1894.4	2072.2	2309.3	2427.9	2614.3	2987.1
140°	1928.2	1860.7	1793.3	1860.7	1928.2	1945.0	2102.1	2311.7	2416.5	2577.5	2899.5
142.5°	1966.9	1904.5	1842.2	1904.5	1966.9	1982.5	2127.2	2320.0	2416.5	2557.9	2840.7
145°	2026.0	1971.7	1917.3	1971.7	2026.0	2039.6	2159.8	2320.0	2400.2	2515.8	2747.2
147.5°	2098.1	2045.2	1992.2	2045.2	2098.1	2111.4	2207.6	2336.0	2400.2	2491.2	2673.2
150°	2137.0	2089.1	2041.3	2089.1	2137.0	2149.0	2232.7	2344.4	2400.2	2477.1	2630.8
152.5°	2164.3	2128.1	2091.8	2128.1	2164.3	2173.4	2249.0	2349.8	2400.2	2465.9	2597.1
155°	2220.5	2193.8	2166.9	2193.8	2220.5	2227.3	2284.9	2361.7	2400.2	2452.4	2556.9
157.5°	2274.5	2248.5	2222.4	2248.5	2274.5	2281.1	2320.7	2373.7	2400.2	2440.8	2522.0
160°	2300.5	2280.2	2259.9	2280.2	2300.5	2305.6	2337.1	2379.2	2400.2	2435.0	2504.6
162.5°	2327.8	2312.6	2297.4	2312.6	2327.8	2331.6	2354.5	2384.9	2400.2	2429.6	2488.3
165°	2365.7	2352.0	2338.2	2352.0	2365.7	2369.2	2379.5	2393.3	2400.2	2421.2	2463.2
167.5°	2388.8	2382.3	2375.8	2382.3	2388.8	2390.4	2399.1	2410.7	2416.5	2430.3	2457.8
170°	2413.3	2406.7	2400.2	2406.7	2413.3	2414.9	2415.4	2416.1	2416.5	2430.3	2457.8
172.5°	2416.1	2414.7	2413.3	2414.7	2416.1	2416.5	2416.5	2416.5	2416.5	2427.4	2449.2
175°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2426.3	2419.8	2416.5	2423.4	2437.2
177.5°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2427.4	2422.3	2419.8	2425.2	2436.1
180°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2



TEST NUMBER: P935926
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2668.5	2660.7	2671.1	2642.4	2671.1	2660.7	2668.5	2686.8	2671.1	2681.6	2692.1
5°	2341.5	2328.4	2286.5	2252.5	2286.5	2328.4	2341.5	2396.4	2422.6	2469.7	2532.5
7.5°	2092.9	2082.4	2072.0	2051.0	2072.0	2082.4	2092.9	2108.6	2134.7	2176.6	2223.7
10°	2037.9	2040.6	2056.3	2053.6	2056.3	2040.6	2037.9	2032.7	2024.9	2032.7	2061.5
12.5°	2179.2	2202.8	2289.1	2283.9	2289.1	2202.8	2179.2	2074.6	2003.9	1990.9	1996.1
15°	2341.5	2349.3	2367.7	2370.3	2367.7	2349.3	2341.5	2299.6	2087.6	1996.1	1967.3
17.5°	2357.2	2359.8	2372.9	2372.9	2372.9	2359.8	2357.2	2338.9	2268.2	2145.2	1983.0
20°	2344.1	2349.3	2375.5	2380.7	2375.5	2349.3	2344.1	2320.6	2281.2	2236.8	2113.8
22.5°	2338.9	2349.3	2370.3	2367.7	2370.3	2349.3	2338.9	2302.2	2268.2	2236.8	2187.1
25°	2312.7	2312.7	2315.3	2318.0	2315.3	2312.7	2312.7	2283.9	2215.8	2208.0	2179.2
27.5°	2257.7	2262.9	2278.6	2276.0	2278.6	2262.9	2257.7	2247.2	2174.0	2166.1	2145.2
30°	2208.0	2202.8	2189.7	2179.2	2189.7	2202.8	2208.0	2192.3	2119.0	2098.1	2103.3
32.5°	2124.3	2111.2	2098.1	2090.3	2098.1	2111.2	2124.3	2119.0	2064.1	2035.3	2040.6
35°	2024.9	2027.5	2024.9	2017.0	2024.9	2027.5	2024.9	2030.1	1996.1	1969.9	1967.3
37.5°	1954.2	1959.5	1956.8	1946.4	1956.8	1959.5	1954.2	1949.0	1901.9	1894.1	1899.3
40°	1881.0	1883.6	1881.0	1873.1	1881.0	1883.6	1881.0	1870.5	1805.1	1807.7	1826.0
42.5°	1810.3	1807.7	1799.9	1794.6	1799.9	1807.7	1810.3	1794.6	1710.9	1703.1	1737.1
45°	1729.2	1731.9	1716.2	1708.3	1716.2	1731.9	1729.2	1718.8	1632.4	1611.5	1635.1
47.5°	1648.1	1648.1	1635.1	1627.2	1635.1	1648.1	1648.1	1635.1	1543.5	1522.6	1535.7
50°	1561.8	1559.2	1540.9	1538.3	1540.9	1559.2	1561.8	1554.0	1457.2	1438.9	1438.9
52.5°	1462.4	1462.4	1465.0	1470.2	1465.0	1462.4	1462.4	1465.0	1378.7	1360.4	1355.1
55°	1376.1	1378.7	1397.0	1402.2	1397.0	1378.7	1376.1	1376.1	1297.6	1279.3	1268.8
57.5°	1287.1	1287.1	1300.2	1300.2	1300.2	1287.1	1287.1	1281.9	1206.0	1190.3	1185.1
60°	1185.1	1190.3	1200.8	1198.2	1200.8	1190.3	1185.1	1179.9	1114.5	1104.0	1085.7
62.5°	1077.8	1083.1	1085.7	1080.5	1085.7	1083.1	1077.8	1062.1	1022.9	1015.0	991.5
65°	965.3	970.6	973.2	968.0	973.2	970.6	965.3	957.5	928.7	915.6	894.7
67.5°	850.2	847.6	845.0	855.5	845.0	847.6	850.2	839.8	821.5	811.0	782.2
70°	732.5	732.5	729.9	735.1	729.9	732.5	732.5	724.7	714.2	706.3	680.2
72.5°	606.9	604.3	614.8	606.9	614.8	604.3	606.9	604.3	599.1	591.2	565.1
75°	484.0	489.2	484.0	491.8	484.0	489.2	484.0	486.6	484.0	478.7	460.4
77.5°	368.9	374.1	368.9	368.9	368.9	374.1	368.9	371.5	371.5	371.5	355.8
80°	261.6	259.0	259.0	256.4	259.0	259.0	261.6	261.6	264.2	259.0	253.8
82.5°	167.4	164.8	164.8	170.0	164.8	164.8	167.4	170.0	164.8	164.8	164.8
85°	91.6	94.2	88.9	88.9	88.9	94.2	91.6	86.3	91.6	91.6	88.9
87.5°	34.0	31.4	31.4	31.4	31.4	31.4	34.0	36.6	36.6	36.6	39.2
90°	62.0	62.0	62.0	62.0	62.0	62.0	62.0	82.7	110.2	124.0	106.6
92.5°	310.0	297.7	248.4	199.1	248.4	297.7	310.0	439.4	612.0	698.3	613.1
95°	1052.5	1015.1	865.7	716.3	865.7	1015.1	1052.5	1382.1	1821.5	2041.3	1724.0
97.5°	2429.6	2358.5	2074.2	1789.9	2074.2	2358.5	2429.6	2637.9	2915.6	3054.5	2525.5
100°	3411.8	3327.2	2988.5	2649.8	2988.5	3327.2	3411.8	3396.6	3376.3	3366.1	2779.1
102.5°	4250.6	4178.0	3888.0	3597.8	3888.0	4178.0	4250.6	3985.1	3631.2	3454.3	2858.9
105°	5229.5	5190.5	5034.7	4878.8	5034.7	5190.5	5229.5	4634.5	3841.1	3444.4	2867.9
107.5°	5738.6	5748.0	5785.8	5823.4	5785.8	5748.0	5738.6	4908.6	3802.0	3248.7	2740.3
110°	5869.1	5909.8	6072.2	6234.7	6072.2	5909.8	5869.1	4941.3	3704.1	3085.5	2627.2



TEST NUMBER: P935926

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5785.9	5848.3	6097.8	6347.3	6097.8	5848.3	5785.9	4836.3	3570.1	2937.0	2528.4
115°	5503.7	5590.2	5936.0	6282.0	5936.0	5590.2	5503.7	4588.8	3369.1	2759.2	2415.1
117.5°	5113.7	5209.6	5593.2	5976.8	5593.2	5209.6	5113.7	4288.1	3187.2	2636.8	2344.1
120°	4851.0	4944.2	5316.9	5689.7	5316.9	4944.2	4851.0	4096.6	3090.8	2587.8	2320.2
122.5°	4588.3	4680.2	5047.9	5415.6	5047.9	4680.2	4588.3	3909.0	3003.2	2550.4	2307.8
125°	4240.7	4325.4	4664.1	5002.8	4664.1	4325.4	4240.7	3663.7	2894.3	2509.5	2297.5
127.5°	3961.7	4033.2	4318.9	4604.6	4318.9	4033.2	3961.7	3466.2	2805.6	2475.3	2291.4
130°	3785.5	3851.5	4115.5	4379.4	4115.5	3851.5	3785.5	3344.4	2756.2	2462.2	2295.0
132.5°	3635.4	3694.5	3930.9	4167.3	3930.9	3694.5	3635.4	3240.6	2714.0	2450.8	2297.4
135°	3423.3	3474.2	3678.0	3881.8	3678.0	3474.2	3423.3	3092.6	2651.7	2431.2	2295.3
137.5°	3266.6	3308.3	3475.1	3641.9	3475.1	3308.3	3266.6	2987.1	2614.3	2427.9	2309.3
140°	3141.0	3180.0	3335.9	3491.8	3335.9	3180.0	3141.0	2899.5	2577.5	2416.5	2311.7
142.5°	3052.9	3086.5	3220.6	3354.7	3220.6	3086.5	3052.9	2840.7	2557.9	2416.5	2320.0
145°	2920.7	2946.1	3047.7	3149.2	3047.7	2946.1	2920.7	2747.2	2515.8	2400.2	2320.0
147.5°	2809.8	2830.8	2914.9	2999.0	2914.9	2830.8	2809.8	2673.2	2491.2	2400.2	2336.0
150°	2746.1	2763.1	2831.3	2899.5	2831.3	2763.1	2746.1	2630.8	2477.1	2400.2	2344.4
152.5°	2695.5	2708.5	2759.9	2811.4	2759.9	2708.5	2695.5	2597.1	2465.9	2400.2	2349.8
155°	2635.2	2643.7	2677.8	2711.9	2677.8	2643.7	2635.2	2556.9	2452.4	2400.2	2361.7
157.5°	2583.0	2589.0	2612.9	2636.8	2612.9	2589.0	2583.0	2522.0	2440.8	2400.2	2373.7
160°	2556.8	2560.3	2574.1	2587.8	2574.1	2560.3	2556.8	2504.6	2435.0	2400.2	2379.2
162.5°	2532.4	2535.6	2548.7	2561.8	2548.7	2535.6	2532.4	2488.3	2429.6	2400.2	2384.9
165°	2494.8	2498.3	2512.1	2525.8	2512.1	2498.3	2494.8	2463.2	2421.2	2400.2	2393.3
167.5°	2478.5	2480.0	2485.7	2491.6	2485.7	2480.0	2478.5	2457.8	2430.3	2416.5	2410.7
170°	2478.5	2478.5	2478.5	2478.5	2478.5	2478.5	2478.5	2457.8	2430.3	2416.5	2416.1
172.5°	2465.5	2464.2	2459.1	2454.1	2459.1	2464.2	2465.5	2449.2	2427.4	2416.5	2416.5
175°	2447.5	2447.5	2447.5	2447.5	2447.5	2447.5	2447.5	2437.2	2423.4	2416.5	2419.8
177.5°	2444.2	2442.7	2437.0	2431.2	2437.0	2442.7	2444.2	2436.1	2425.2	2419.8	2422.3
180°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2731.3	2744.4	2752.2	2762.7	2788.9
5°	2626.7	2676.4	2692.1	2731.3	2778.4
7.5°	2396.4	2548.2	2590.0	2684.2	2757.5
10°	2174.0	2325.8	2399.1	2621.4	2731.3
12.5°	2061.5	2150.4	2200.1	2511.5	2694.7
15°	1990.9	2053.6	2090.3	2365.0	2652.8
17.5°	1935.9	1980.4	2006.6	2221.1	2595.3
20°	1901.9	1922.8	1946.4	2116.4	2529.9
22.5°	1878.4	1865.3	1883.6	2043.2	2440.9
25°	1862.7	1813.0	1833.9	1985.6	2336.3
27.5°	1875.7	1765.9	1773.7	1933.3	2226.3
30°	1878.4	1708.3	1710.9	1878.4	2103.3
32.5°	1860.0	1648.1	1650.8	1810.3	1964.7
35°	1815.6	1577.5	1574.9	1731.9	1776.3
37.5°	1755.4	1501.6	1501.6	1645.5	1569.7
40°	1682.2	1425.8	1433.6	1533.0	1386.5
42.5°	1593.2	1344.7	1355.1	1383.9	1250.5
45°	1496.4	1266.2	1274.0	1169.4	1145.9
47.5°	1389.2	1185.1	1187.7	970.6	1111.8
50°	1261.0	1101.4	1090.9	831.9	1109.2
52.5°	1148.5	1009.8	978.4	753.4	1007.2
55°	1038.6	913.0	845.0	693.3	933.9
57.5°	941.8	787.4	722.0	622.6	918.3
60°	852.8	664.5	614.8	546.8	842.4
62.5°	779.6	572.9	562.5	494.4	763.9
65°	701.1	510.1	507.5	450.0	648.8
67.5°	625.2	468.3	465.7	408.1	494.4
70°	544.1	423.8	418.6	363.6	366.3
72.5°	460.4	374.1	368.9	327.0	303.5
75°	376.7	316.5	313.9	285.2	245.9
77.5°	295.6	251.1	256.4	230.2	180.5
80°	211.9	183.1	188.4	164.8	136.0
82.5°	141.3	120.3	125.6	104.6	91.6
85°	78.5	68.0	70.6	54.9	41.9
87.5°	36.6	31.4	31.4	20.9	13.1
90°	71.8	45.7	42.5	29.4	16.3
92.5°	442.7	314.9	287.2	176.2	65.2
95°	1089.4	613.5	562.7	359.6	156.6
97.5°	1467.5	673.9	629.1	450.0	270.9
100°	1605.1	724.5	683.8	521.4	358.9
102.5°	1668.1	775.1	737.1	585.6	434.0
105°	1714.9	850.1	818.1	689.7	561.3
107.5°	1723.6	961.1	931.2	811.5	691.9
110°	1710.6	1023.1	996.0	888.0	779.9



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CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1711.1	1098.2	1072.4	969.4	866.5
115°	1726.9	1210.7	1187.0	1092.0	997.0
117.5°	1758.9	1320.0	1298.5	1212.1	1125.9
120°	1785.1	1383.7	1363.3	1282.2	1200.9
122.5°	1822.6	1458.7	1438.2	1356.3	1274.3
125°	1873.2	1555.0	1536.3	1461.6	1387.0
127.5°	1923.7	1648.0	1629.1	1553.7	1478.3
130°	1960.7	1710.0	1689.7	1608.5	1527.3
132.5°	1990.6	1760.5	1740.2	1659.0	1577.9
135°	2023.3	1819.3	1800.8	1726.8	1652.9
137.5°	2072.2	1894.4	1876.1	1802.8	1729.6
140°	2102.1	1945.0	1928.2	1860.7	1793.3
142.5°	2127.2	1982.5	1966.9	1904.5	1842.2
145°	2159.8	2039.6	2026.0	1971.7	1917.3
147.5°	2207.6	2111.4	2098.1	2045.2	1992.2
150°	2232.7	2149.0	2137.0	2089.1	2041.3
152.5°	2249.0	2173.4	2164.3	2128.1	2091.8
155°	2284.9	2227.3	2220.5	2193.8	2166.9
157.5°	2320.7	2281.1	2274.5	2248.5	2222.4
160°	2337.1	2305.6	2300.5	2280.2	2259.9
162.5°	2354.5	2331.6	2327.8	2312.6	2297.4
165°	2379.5	2369.2	2365.7	2352.0	2338.2
167.5°	2399.1	2390.4	2388.8	2382.3	2375.8
170°	2415.4	2414.9	2413.3	2406.7	2400.2
172.5°	2416.5	2416.5	2416.1	2414.7	2413.3
175°	2426.3	2431.2	2431.2	2431.2	2431.2
177.5°	2427.4	2431.2	2431.2	2431.2	2431.2
180°	2431.2	2431.2	2431.2	2431.2	2431.2



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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	10.23	10.94	11.33	12.04	13.56	13.08	13.80	14.18	14.89	16.41
	3H	10.69	11.33	11.81	12.44	13.97	14.42	15.06	15.53	16.17	17.70
	4H	10.88	11.49	12.00	12.59	14.13	14.86	15.47	15.98	16.58	18.12
	6H	10.99	11.55	12.12	12.66	14.21	15.15	15.70	16.28	16.82	18.37
	8H	10.99	11.52	12.12	12.64	14.19	15.22	15.75	16.35	16.88	18.42
	12H	10.95	11.46	12.09	12.58	14.14	15.26	15.76	16.39	16.88	18.45
4H	2H	11.25	11.86	12.38	12.96	14.50	13.47	14.08	14.60	15.19	16.72
	3H	12.26	12.77	13.40	13.90	15.45	14.97	15.48	16.10	16.61	18.16
	4H	12.53	13.00	13.67	14.12	15.69	15.49	15.96	16.63	17.08	18.65
	6H	12.65	13.05	13.79	14.19	15.75	15.86	16.26	17.00	17.40	18.96
	8H	12.65	13.02	13.79	14.16	15.74	15.96	16.34	17.11	17.47	19.05
	12H	12.61	12.95	13.77	14.10	15.68	16.02	16.35	17.18	17.50	19.09
8H	4H	12.98	13.35	14.12	14.49	16.07	15.61	15.98	16.75	17.12	18.70
	6H	13.23	13.54	14.40	14.72	16.29	16.04	16.35	17.21	17.53	19.11
	8H	13.27	13.54	14.44	14.70	16.30	16.20	16.46	17.37	17.62	19.22
	12H	13.25	13.49	14.42	14.64	16.27	16.29	16.53	17.47	17.69	19.31
12H	4H	12.98	13.31	14.14	14.46	16.05	15.56	15.90	16.72	17.05	18.63
	6H	13.29	13.56	14.46	14.72	16.32	16.04	16.31	17.21	17.47	19.06
	8H	13.35	13.59	14.53	14.74	16.37	16.20	16.43	17.37	17.59	19.22