

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: P935929

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935929
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-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

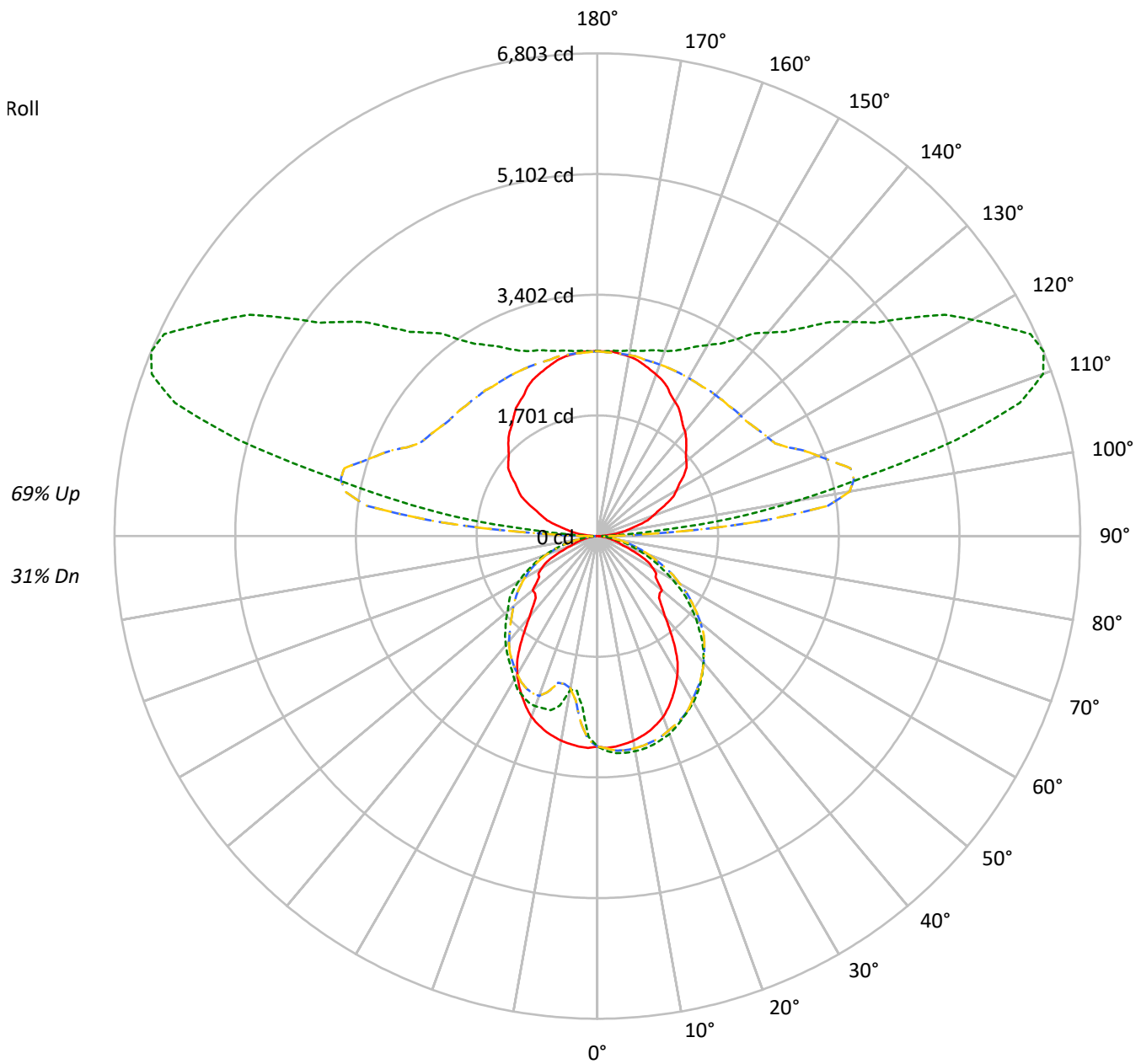
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24588.3 lumens
Efficiency: N/A
Efficacy: 128.9 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				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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

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	1.1
10°-20°	759.7	3.1
20°-30°	1174.3	4.8
30°-40°	1401.8	5.7
40°-50°	1410.1	5.7
50°-60°	1226.9	5.0
60°-70°	869.9	3.5
70°-80°	460.2	1.9
80°-90°	124.6	0.5
90°-100°	1270.3	5.2
100°-110°	3339.6	13.6
110°-120°	3462.8	14.1
120°-130°	2777.6	11.3
130°-140°	2179.4	8.9
140°-150°	1672.8	6.8
150°-160°	1204.7	4.9
160°-170°	737.1	3.0
170°-180°	249.0	1.0
0°-30°	2201.5	9.0
0°-40°	3603.4	14.7
0°-60°	6240.3	25.4
0°-90°	7695.0	31.3
90°-120°	8072.7	32.8
90°-150°	14702.4	59.8
90°-180°	16893.0	68.7
0°-180°	24588.3	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°	18	66	18	66	18	16
95°	168	768	168	768	168	186
105°	602	5229	602	5229	602	638
115°	1069	6733	1069	6733	1069	1055
125°	1487	5362	1487	5362	1487	1320
135°	1772	4161	1772	4161	1772	1371
145°	2055	3376	2055	3376	2055	1287
155°	2323	2907	2323	2907	2323	1067
165°	2506	2707	2506	2707	2506	707
175°	2606	2623	2606	2623	2606	247
180°	2606	2606	2606	2606	2606	



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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°	17.5	31.5	45.5	49.0	76.9	114.2	132.9	118.1	88.6	66.5	66.5
92.5°	69.9	188.8	307.8	337.5	474.6	657.2	748.5	656.0	471.0	332.3	319.1
95°	167.9	385.5	603.2	657.6	1167.7	1847.9	2188.0	1952.4	1481.4	1128.1	1088.1
97.5°	290.3	482.3	674.3	722.3	1572.9	2707.0	3274.0	3125.2	2827.5	2604.2	2528.0
100°	384.7	558.9	733.0	776.6	1720.4	2978.8	3608.1	3618.9	3640.7	3657.0	3566.3
102.5°	465.2	627.7	790.1	830.8	1788.0	3064.3	3702.6	3892.2	4271.5	4556.0	4478.3
105°	601.7	739.3	876.8	911.2	1838.2	3074.1	3692.0	4117.2	4967.6	5605.3	5563.6
107.5°	741.6	869.8	998.1	1030.1	1847.4	2937.2	3482.2	4075.2	5261.4	6151.0	6161.1
110°	836.0	951.8	1067.6	1096.6	1833.5	2816.0	3307.3	3970.4	5296.4	6290.9	6334.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	928.7	1039.1	1149.5	1177.1	1834.1	2710.1	3148.1	3826.7	5183.9	6201.8	6268.6
115°	1068.6	1170.4	1272.3	1297.7	1851.0	2588.7	2957.5	3611.2	4918.6	5899.2	5991.9
117.5°	1206.8	1299.2	1391.8	1414.9	1885.3	2512.6	2826.3	3416.3	4596.2	5481.2	5584.0
120°	1287.2	1374.3	1461.3	1483.1	1913.3	2487.0	2773.8	3312.9	4391.0	5199.6	5299.5
122.5°	1365.9	1453.7	1541.6	1563.6	1953.6	2473.6	2733.6	3219.0	4189.9	4918.0	5016.6
125°	1486.6	1566.7	1646.8	1666.8	2007.8	2462.6	2689.9	3102.3	3927.0	4545.5	4636.2
127.5°	1584.5	1665.4	1746.2	1766.4	2062.0	2456.1	2653.2	3007.2	3715.4	4246.5	4323.0
130°	1637.0	1724.1	1811.1	1832.9	2101.6	2460.0	2639.1	2954.3	3584.8	4057.6	4128.3
132.5°	1691.3	1778.3	1865.3	1887.1	2133.7	2462.5	2626.9	2909.1	3473.5	3896.7	3960.1
135°	1771.6	1850.9	1930.3	1950.1	2168.7	2460.2	2606.0	2842.3	3314.8	3669.3	3723.9
137.5°	1853.9	1932.4	2010.9	2030.6	2221.1	2475.3	2602.4	2802.2	3201.7	3501.4	3546.1
140°	1922.1	1994.4	2066.7	2084.8	2253.2	2477.8	2590.2	2762.7	3107.9	3366.7	3408.5
142.5°	1974.6	2041.4	2108.2	2125.0	2280.0	2486.8	2590.2	2741.8	3044.9	3272.3	3308.3
145°	2055.0	2113.4	2171.6	2186.2	2315.0	2486.8	2572.7	2696.6	2944.6	3130.6	3157.8
147.5°	2135.4	2192.2	2248.9	2263.1	2366.3	2503.9	2572.7	2670.3	2865.3	3011.7	3034.2
150°	2188.0	2239.3	2290.6	2303.4	2393.1	2512.9	2572.7	2655.1	2819.9	2943.5	2961.7
152.5°	2242.2	2281.1	2319.8	2329.6	2410.6	2518.7	2572.7	2643.1	2783.7	2889.3	2903.1
155°	2322.7	2351.4	2380.1	2387.3	2449.1	2531.5	2572.7	2628.7	2740.7	2824.6	2833.7
157.5°	2382.1	2410.0	2438.0	2445.0	2487.5	2544.3	2572.7	2616.2	2703.3	2768.6	2775.0
160°	2422.3	2444.1	2465.8	2471.3	2505.1	2550.2	2572.7	2610.0	2684.6	2740.6	2744.3
162.5°	2462.5	2478.8	2495.1	2499.2	2523.7	2556.3	2572.7	2604.2	2667.2	2714.4	2717.8
165°	2506.2	2521.0	2535.8	2539.5	2550.5	2565.3	2572.7	2595.2	2640.3	2674.1	2677.8
167.5°	2546.5	2553.5	2560.4	2562.2	2571.6	2584.0	2590.2	2604.9	2634.5	2656.6	2658.2
170°	2572.7	2579.7	2586.7	2588.5	2589.0	2589.8	2590.2	2604.9	2634.5	2656.6	2656.6
172.5°	2586.7	2588.2	2589.8	2590.2	2590.2	2590.2	2590.2	2601.8	2625.2	2642.7	2641.3
175°	2606.0	2606.0	2606.0	2606.0	2600.7	2593.7	2590.2	2597.5	2612.3	2623.4	2623.4
177.5°	2606.0	2606.0	2606.0	2606.0	2601.8	2596.4	2593.7	2599.5	2611.2	2619.9	2618.3
180°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0



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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°	66.5	66.5	66.5	66.5	66.5	88.6	118.1	132.9	114.2	76.9	49.0
92.5°	266.2	213.4	266.2	319.1	332.3	471.0	656.0	748.5	657.2	474.6	337.5
95°	927.9	767.8	927.9	1088.1	1128.1	1481.4	1952.4	2188.0	1847.9	1167.7	657.6
97.5°	2223.3	1918.6	2223.3	2528.0	2604.2	2827.5	3125.2	3274.0	2707.0	1572.9	722.3
100°	3203.3	2840.3	3203.3	3566.3	3657.0	3640.7	3618.9	3608.1	2978.8	1720.4	776.6
102.5°	4167.4	3856.4	4167.4	4478.3	4556.0	4271.5	3892.2	3702.6	3064.3	1788.0	830.8
105°	5396.5	5229.4	5396.5	5563.6	5605.3	4967.6	4117.2	3692.0	3074.1	1838.2	911.2
107.5°	6201.6	6242.0	6201.6	6161.1	6151.0	5261.4	4075.2	3482.2	2937.2	1847.4	1030.1
110°	6508.6	6682.8	6508.6	6334.5	6290.9	5296.4	3970.4	3307.3	2816.0	1833.5	1096.6



TEST NUMBER: P935929

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6536.0	6803.4	6536.0	6268.6	6201.8	5183.9	3826.7	3148.1	2710.1	1834.1	1177.1
115°	6362.6	6733.4	6362.6	5991.9	5899.2	4918.6	3611.2	2957.5	2588.7	1851.0	1297.7
117.5°	5995.2	6406.4	5995.2	5584.0	5481.2	4596.2	3416.3	2826.3	2512.6	1885.3	1414.9
120°	5699.0	6098.6	5699.0	5299.5	5199.6	4391.0	3312.9	2773.8	2487.0	1913.3	1483.1
122.5°	5410.7	5804.8	5410.7	5016.6	4918.0	4189.9	3219.0	2733.6	2473.6	1953.6	1563.6
125°	4999.3	5362.3	4999.3	4636.2	4545.5	3927.0	3102.3	2689.9	2462.6	2007.8	1666.8
127.5°	4629.3	4935.5	4629.3	4323.0	4246.5	3715.4	3007.2	2653.2	2456.1	2062.0	1766.4
130°	4411.3	4694.2	4411.3	4128.3	4057.6	3584.8	2954.3	2639.1	2460.0	2101.6	1832.9
132.5°	4213.4	4466.8	4213.4	3960.1	3896.7	3473.5	2909.1	2626.9	2462.5	2133.7	1887.1
135°	3942.3	4160.8	3942.3	3723.9	3669.3	3314.8	2842.3	2606.0	2460.2	2168.7	1950.1
137.5°	3724.9	3903.6	3724.9	3546.1	3501.4	3201.7	2802.2	2602.4	2475.3	2221.1	2030.6
140°	3575.6	3742.7	3575.6	3408.5	3366.7	3107.9	2762.7	2590.2	2477.8	2253.2	2084.8
142.5°	3452.1	3595.8	3452.1	3308.3	3272.3	3044.9	2741.8	2590.2	2486.8	2280.0	2125.0
145°	3266.7	3375.5	3266.7	3157.8	3130.6	2944.6	2696.6	2572.7	2486.8	2315.0	2186.2
147.5°	3124.4	3214.5	3124.4	3034.2	3011.7	2865.3	2670.3	2572.7	2503.9	2366.3	2263.1
150°	3034.8	3107.9	3034.8	2961.7	2943.5	2819.9	2655.1	2572.7	2512.9	2393.1	2303.4
152.5°	2958.3	3013.4	2958.3	2903.1	2889.3	2783.7	2643.1	2572.7	2518.7	2410.6	2329.6
155°	2870.2	2906.7	2870.2	2833.7	2824.6	2740.7	2628.7	2572.7	2531.5	2449.1	2387.3
157.5°	2800.7	2826.3	2800.7	2775.0	2768.6	2703.3	2616.2	2572.7	2544.3	2487.5	2445.0
160°	2759.1	2773.8	2759.1	2744.3	2740.6	2684.6	2610.0	2572.7	2550.2	2505.1	2471.3
162.5°	2731.9	2745.9	2731.9	2717.8	2714.4	2667.2	2604.2	2572.7	2556.3	2523.7	2499.2
165°	2692.6	2707.4	2692.6	2677.8	2674.1	2640.3	2595.2	2572.7	2565.3	2550.5	2539.5
167.5°	2664.4	2670.6	2664.4	2658.2	2656.6	2634.5	2604.9	2590.2	2584.0	2571.6	2562.2
170°	2656.6	2656.6	2656.6	2656.6	2656.6	2634.5	2604.9	2590.2	2589.8	2589.0	2588.5
172.5°	2635.9	2630.4	2635.9	2641.3	2642.7	2625.2	2601.8	2590.2	2590.2	2590.2	2590.2
175°	2623.4	2623.4	2623.4	2623.4	2623.4	2612.3	2597.5	2590.2	2593.7	2600.7	2606.0
177.5°	2612.1	2606.0	2612.1	2618.3	2619.9	2611.2	2599.5	2593.7	2596.4	2601.8	2606.0
180°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0



TEST NUMBER: P935929

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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°	45.5	31.5	17.5	31.5	45.5	49.0	76.9	114.2	132.9	118.1	88.6
92.5°	307.8	188.8	69.9	188.8	307.8	337.5	474.6	657.2	748.5	656.0	471.0
95°	603.2	385.5	167.9	385.5	603.2	657.6	1167.7	1847.9	2188.0	1952.4	1481.4
97.5°	674.3	482.3	290.3	482.3	674.3	722.3	1572.9	2707.0	3274.0	3125.2	2827.5
100°	733.0	558.9	384.7	558.9	733.0	776.6	1720.4	2978.8	3608.1	3618.9	3640.7
102.5°	790.1	627.7	465.2	627.7	790.1	830.8	1788.0	3064.3	3702.6	3892.2	4271.5
105°	876.8	739.3	601.7	739.3	876.8	911.2	1838.2	3074.1	3692.0	4117.2	4967.6
107.5°	998.1	869.8	741.6	869.8	998.1	1030.1	1847.4	2937.2	3482.2	4075.2	5261.4
110°	1067.6	951.8	836.0	951.8	1067.6	1096.6	1833.5	2816.0	3307.3	3970.4	5296.4



TEST NUMBER: P935929

CATALOG NUMBER: SQ4-FA-150U-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°	1149.5	1039.1	928.7	1039.1	1149.5	1177.1	1834.1	2710.1	3148.1	3826.7	5183.9
115°	1272.3	1170.4	1068.6	1170.4	1272.3	1297.7	1851.0	2588.7	2957.5	3611.2	4918.6
117.5°	1391.8	1299.2	1206.8	1299.2	1391.8	1414.9	1885.3	2512.6	2826.3	3416.3	4596.2
120°	1461.3	1374.3	1287.2	1374.3	1461.3	1483.1	1913.3	2487.0	2773.8	3312.9	4391.0
122.5°	1541.6	1453.7	1365.9	1453.7	1541.6	1563.6	1953.6	2473.6	2733.6	3219.0	4189.9
125°	1646.8	1566.7	1486.6	1566.7	1646.8	1666.8	2007.8	2462.6	2689.9	3102.3	3927.0
127.5°	1746.2	1665.4	1584.5	1665.4	1746.2	1766.4	2062.0	2456.1	2653.2	3007.2	3715.4
130°	1811.1	1724.1	1637.0	1724.1	1811.1	1832.9	2101.6	2460.0	2639.1	2954.3	3584.8
132.5°	1865.3	1778.3	1691.3	1778.3	1865.3	1887.1	2133.7	2462.5	2626.9	2909.1	3473.5
135°	1930.3	1850.9	1771.6	1850.9	1930.3	1950.1	2168.7	2460.2	2606.0	2842.3	3314.8
137.5°	2010.9	1932.4	1853.9	1932.4	2010.9	2030.6	2221.1	2475.3	2602.4	2802.2	3201.7
140°	2066.7	1994.4	1922.1	1994.4	2066.7	2084.8	2253.2	2477.8	2590.2	2762.7	3107.9
142.5°	2108.2	2041.4	1974.6	2041.4	2108.2	2125.0	2280.0	2486.8	2590.2	2741.8	3044.9
145°	2171.6	2113.4	2055.0	2113.4	2171.6	2186.2	2315.0	2486.8	2572.7	2696.6	2944.6
147.5°	2248.9	2192.2	2135.4	2192.2	2248.9	2263.1	2366.3	2503.9	2572.7	2670.3	2865.3
150°	2290.6	2239.3	2188.0	2239.3	2290.6	2303.4	2393.1	2512.9	2572.7	2655.1	2819.9
152.5°	2319.8	2281.1	2242.2	2281.1	2319.8	2329.6	2410.6	2518.7	2572.7	2643.1	2783.7
155°	2380.1	2351.4	2322.7	2351.4	2380.1	2387.3	2449.1	2531.5	2572.7	2628.7	2740.7
157.5°	2438.0	2410.0	2382.1	2410.0	2438.0	2445.0	2487.5	2544.3	2572.7	2616.2	2703.3
160°	2465.8	2444.1	2422.3	2444.1	2465.8	2471.3	2505.1	2550.2	2572.7	2610.0	2684.6
162.5°	2495.1	2478.8	2462.5	2478.8	2495.1	2499.2	2523.7	2556.3	2572.7	2604.2	2667.2
165°	2535.8	2521.0	2506.2	2521.0	2535.8	2539.5	2550.5	2565.3	2572.7	2595.2	2640.3
167.5°	2560.4	2553.5	2546.5	2553.5	2560.4	2562.2	2571.6	2584.0	2590.2	2604.9	2634.5
170°	2586.7	2579.7	2572.7	2579.7	2586.7	2588.5	2589.0	2589.8	2590.2	2604.9	2634.5
172.5°	2589.8	2588.2	2586.7	2588.2	2589.8	2590.2	2590.2	2590.2	2590.2	2601.8	2625.2
175°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2600.7	2593.7	2590.2	2597.5	2612.3
177.5°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2601.8	2596.4	2593.7	2599.5	2611.2
180°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0



TEST NUMBER: P935929

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-5000K

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°	66.5	66.5	66.5	66.5	66.5	66.5	66.5	88.6	118.1	132.9	114.2
92.5°	332.3	319.1	266.2	213.4	266.2	319.1	332.3	471.0	656.0	748.5	657.2
95°	1128.1	1088.1	927.9	767.8	927.9	1088.1	1128.1	1481.4	1952.4	2188.0	1847.9
97.5°	2604.2	2528.0	2223.3	1918.6	2223.3	2528.0	2604.2	2827.5	3125.2	3274.0	2707.0
100°	3657.0	3566.3	3203.3	2840.3	3203.3	3566.3	3657.0	3640.7	3618.9	3608.1	2978.8
102.5°	4556.0	4478.3	4167.4	3856.4	4167.4	4478.3	4556.0	4271.5	3892.2	3702.6	3064.3
105°	5605.3	5563.6	5396.5	5229.4	5396.5	5563.6	5605.3	4967.6	4117.2	3692.0	3074.1
107.5°	6151.0	6161.1	6201.6	6242.0	6201.6	6161.1	6151.0	5261.4	4075.2	3482.2	2937.2
110°	6290.9	6334.5	6508.6	6682.8	6508.6	6334.5	6290.9	5296.4	3970.4	3307.3	2816.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6201.8	6268.6	6536.0	6803.4	6536.0	6268.6	6201.8	5183.9	3826.7	3148.1	2710.1
115°	5899.2	5991.9	6362.6	6733.4	6362.6	5991.9	5899.2	4918.6	3611.2	2957.5	2588.7
117.5°	5481.2	5584.0	5995.2	6406.4	5995.2	5584.0	5481.2	4596.2	3416.3	2826.3	2512.6
120°	5199.6	5299.5	5699.0	6098.6	5699.0	5299.5	5199.6	4391.0	3312.9	2773.8	2487.0
122.5°	4918.0	5016.6	5410.7	5804.8	5410.7	5016.6	4918.0	4189.9	3219.0	2733.6	2473.6
125°	4545.5	4636.2	4999.3	5362.3	4999.3	4636.2	4545.5	3927.0	3102.3	2689.9	2462.6
127.5°	4246.5	4323.0	4629.3	4935.5	4629.3	4323.0	4246.5	3715.4	3007.2	2653.2	2456.1
130°	4057.6	4128.3	4411.3	4694.2	4411.3	4128.3	4057.6	3584.8	2954.3	2639.1	2460.0
132.5°	3896.7	3960.1	4213.4	4466.8	4213.4	3960.1	3896.7	3473.5	2909.1	2626.9	2462.5
135°	3669.3	3723.9	3942.3	4160.8	3942.3	3723.9	3669.3	3314.8	2842.3	2606.0	2460.2
137.5°	3501.4	3546.1	3724.9	3903.6	3724.9	3546.1	3501.4	3201.7	2802.2	2602.4	2475.3
140°	3366.7	3408.5	3575.6	3742.7	3575.6	3408.5	3366.7	3107.9	2762.7	2590.2	2477.8
142.5°	3272.3	3308.3	3452.1	3595.8	3452.1	3308.3	3272.3	3044.9	2741.8	2590.2	2486.8
145°	3130.6	3157.8	3266.7	3375.5	3266.7	3157.8	3130.6	2944.6	2696.6	2572.7	2486.8
147.5°	3011.7	3034.2	3124.4	3214.5	3124.4	3034.2	3011.7	2865.3	2670.3	2572.7	2503.9
150°	2943.5	2961.7	3034.8	3107.9	3034.8	2961.7	2943.5	2819.9	2655.1	2572.7	2512.9
152.5°	2889.3	2903.1	2958.3	3013.4	2958.3	2903.1	2889.3	2783.7	2643.1	2572.7	2518.7
155°	2824.6	2833.7	2870.2	2906.7	2870.2	2833.7	2824.6	2740.7	2628.7	2572.7	2531.5
157.5°	2768.6	2775.0	2800.7	2826.3	2800.7	2775.0	2768.6	2703.3	2616.2	2572.7	2544.3
160°	2740.6	2744.3	2759.1	2773.8	2759.1	2744.3	2740.6	2684.6	2610.0	2572.7	2550.2
162.5°	2714.4	2717.8	2731.9	2745.9	2731.9	2717.8	2714.4	2667.2	2604.2	2572.7	2556.3
165°	2674.1	2677.8	2692.6	2707.4	2692.6	2677.8	2674.1	2640.3	2595.2	2572.7	2565.3
167.5°	2656.6	2658.2	2664.4	2670.6	2664.4	2658.2	2656.6	2634.5	2604.9	2590.2	2584.0
170°	2656.6	2656.6	2656.6	2656.6	2656.6	2656.6	2656.6	2634.5	2604.9	2590.2	2589.8
172.5°	2642.7	2641.3	2635.9	2630.4	2635.9	2641.3	2642.7	2625.2	2601.8	2590.2	2590.2
175°	2623.4	2623.4	2623.4	2623.4	2623.4	2623.4	2623.4	2612.3	2597.5	2590.2	2593.7
177.5°	2619.9	2618.3	2612.1	2606.0	2612.1	2618.3	2619.9	2611.2	2599.5	2593.7	2596.4
180°	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0	2606.0



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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°	76.9	49.0	45.5	31.5	17.5
92.5°	474.6	337.5	307.8	188.8	69.9
95°	1167.7	657.6	603.2	385.5	167.9
97.5°	1572.9	722.3	674.3	482.3	290.3
100°	1720.4	776.6	733.0	558.9	384.7
102.5°	1788.0	830.8	790.1	627.7	465.2
105°	1838.2	911.2	876.8	739.3	601.7
107.5°	1847.4	1030.1	998.1	869.8	741.6
110°	1833.5	1096.6	1067.6	951.8	836.0



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CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1834.1	1177.1	1149.5	1039.1	928.7
115°	1851.0	1297.7	1272.3	1170.4	1068.6
117.5°	1885.3	1414.9	1391.8	1299.2	1206.8
120°	1913.3	1483.1	1461.3	1374.3	1287.2
122.5°	1953.6	1563.6	1541.6	1453.7	1365.9
125°	2007.8	1666.8	1646.8	1566.7	1486.6
127.5°	2062.0	1766.4	1746.2	1665.4	1584.5
130°	2101.6	1832.9	1811.1	1724.1	1637.0
132.5°	2133.7	1887.1	1865.3	1778.3	1691.3
135°	2168.7	1950.1	1930.3	1850.9	1771.6
137.5°	2221.1	2030.6	2010.9	1932.4	1853.9
140°	2253.2	2084.8	2066.7	1994.4	1922.1
142.5°	2280.0	2125.0	2108.2	2041.4	1974.6
145°	2315.0	2186.2	2171.6	2113.4	2055.0
147.5°	2366.3	2263.1	2248.9	2192.2	2135.4
150°	2393.1	2303.4	2290.6	2239.3	2188.0
152.5°	2410.6	2329.6	2319.8	2281.1	2242.2
155°	2449.1	2387.3	2380.1	2351.4	2322.7
157.5°	2487.5	2445.0	2438.0	2410.0	2382.1
160°	2505.1	2471.3	2465.8	2444.1	2422.3
162.5°	2523.7	2499.2	2495.1	2478.8	2462.5
165°	2550.5	2539.5	2535.8	2521.0	2506.2
167.5°	2571.6	2562.2	2560.4	2553.5	2546.5
170°	2589.0	2588.5	2586.7	2579.7	2572.7
172.5°	2590.2	2590.2	2589.8	2588.2	2586.7
175°	2600.7	2606.0	2606.0	2606.0	2606.0
177.5°	2601.8	2606.0	2606.0	2606.0	2606.0
180°	2606.0	2606.0	2606.0	2606.0	2606.0



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.47	11.19	11.57	12.28	13.80	13.32	14.04	14.42	15.14	16.65
	3H	10.94	11.58	12.05	12.68	14.22	14.66	15.30	15.77	16.41	17.94
	4H	11.12	11.73	12.24	12.84	14.37	15.10	15.71	16.23	16.82	18.36
	6H	11.23	11.79	12.36	12.90	14.45	15.39	15.95	16.52	17.06	18.61
	8H	11.23	11.76	12.36	12.89	14.43	15.46	15.99	16.59	17.12	18.66
	12H	11.19	11.70	12.33	12.82	14.39	15.50	16.00	16.63	17.12	18.69
4H	2H	11.49	12.10	12.62	13.21	14.74	13.71	14.32	14.84	15.43	16.97
	3H	12.50	13.01	13.64	14.14	15.69	15.21	15.72	16.34	16.85	18.40
	4H	12.77	13.24	13.91	14.36	15.93	15.74	16.20	16.87	17.33	18.90
	6H	12.89	13.29	14.03	14.43	16.00	16.10	16.50	17.24	17.64	19.21
	8H	12.89	13.26	14.04	14.40	15.98	16.21	16.58	17.35	17.72	19.29
	12H	12.85	13.19	14.01	14.34	15.92	16.26	16.60	17.42	17.75	19.33
8H	4H	13.22	13.59	14.36	14.73	16.31	15.85	16.22	16.99	17.36	18.94
	6H	13.47	13.78	14.64	14.96	16.54	16.28	16.59	17.45	17.77	19.35
	8H	13.51	13.78	14.68	14.94	16.54	16.44	16.71	17.61	17.87	19.46
	12H	13.49	13.73	14.67	14.88	16.51	16.53	16.77	17.71	17.93	19.56
12H	4H	13.22	13.55	14.38	14.71	16.29	15.81	16.14	16.97	17.29	18.88
	6H	13.53	13.80	14.70	14.96	16.56	16.28	16.55	17.45	17.71	19.30
	8H	13.59	13.83	14.77	14.99	16.62	16.44	16.67	17.61	17.83	19.46