

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: P936025

Luminaire Tested: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936025
REPORT IS A COMBINATION OF REPORTS P933777 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

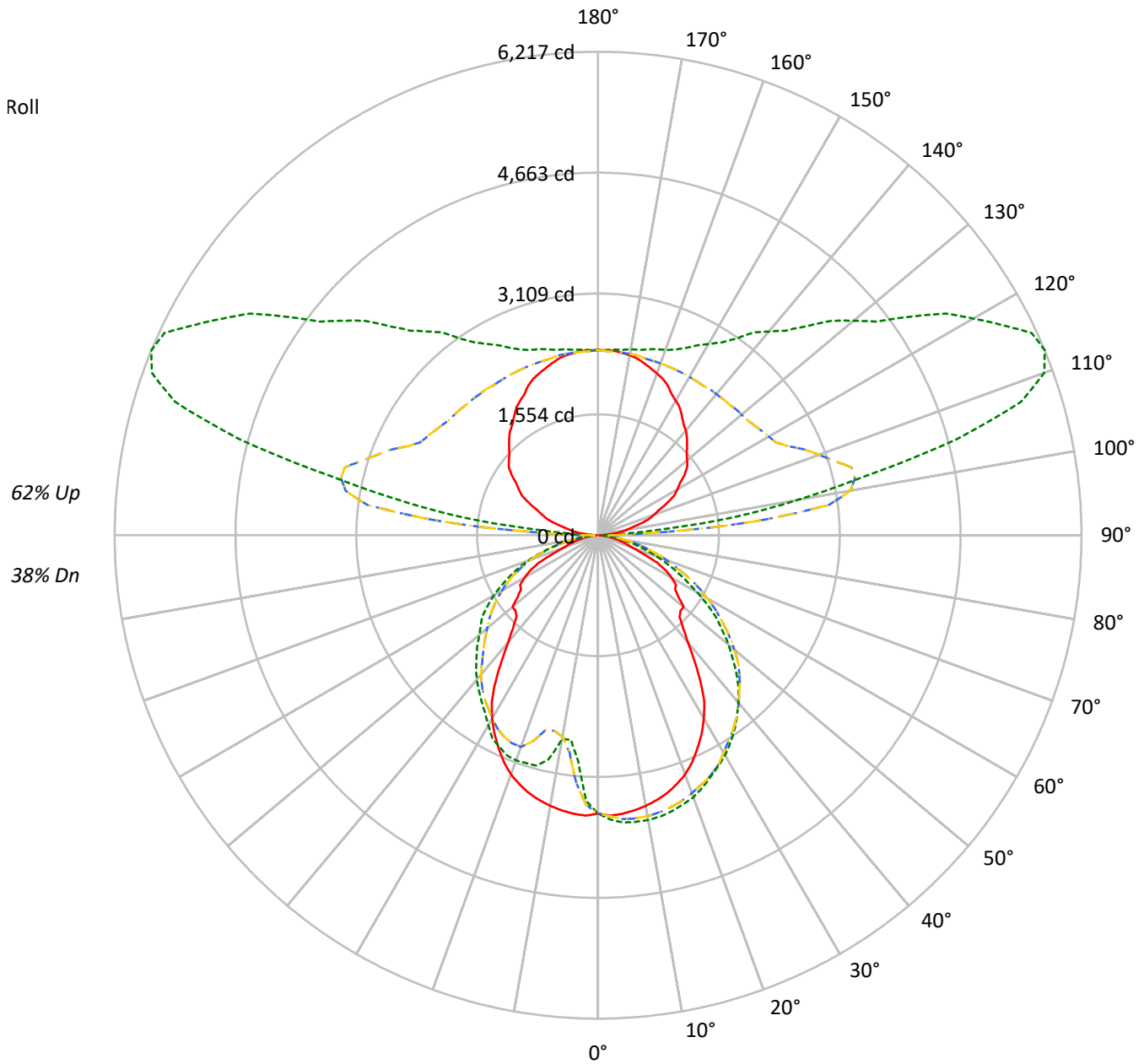
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24724.4 lumens
Efficiency: N/A
Efficacy: 113.8 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): 217.2
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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CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-2700K

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	76	76	76	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11069	11069	11069	11069
5°	11156	11173	11156	8786
10°	11085	11006	11085	7869
15°	10968	10768	10968	8991
20°	10743	10485	10743	9010
25°	10278	10073	10278	8819
30°	9675	9731	9675	8400
35°	8630	9298	8630	7939
40°	7195	8789	7195	7591
45°	6433	8193	6433	7191
50°	6839	7482	6839	6789
55°	6441	6716	6441	6557
60°	6648	5704	6648	6005
65°	6037	4715	6037	5271
70°	4191	3757	4191	4418
75°	3688	2777	3688	3326
80°	2993	1836	2993	1999
85°	1756	972	1756	827

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9853 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.0	1.3
10°-20°	917.1	3.7
20°-30°	1417.7	5.7
30°-40°	1692.5	6.8
40°-50°	1702.4	6.9
50°-60°	1481.3	6.0
60°-70°	1050.3	4.2
70°-80°	555.6	2.2
80°-90°	147.5	0.6
90°-100°	1160.8	4.7
100°-110°	3051.7	12.3
110°-120°	3164.3	12.8
120°-130°	2538.1	10.3
130°-140°	1991.5	8.1
140°-150°	1528.6	6.2
150°-160°	1100.8	4.5
160°-170°	673.6	2.7
170°-180°	227.6	0.9
0°-30°	2657.9	10.8
0°-40°	4350.4	17.6
0°-60°	7534.1	30.5
0°-90°	9287.5	37.6
90°-120°	7376.7	29.8
90°-150°	13435.0	54.3
90°-180°	15437.0	62.4
0°-180°	24724.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3578	3578	3578	3578	3578	
5°	3596	3707	3596	2915	3596	341
15°	3433	3673	3433	3067	3433	966
25°	3023	3426	3023	3000	3023	1388
35°	2299	3057	2299	2610	2299	1422
45°	1483	2519	1483	2211	1483	1188
55°	1209	1859	1209	1815	1209	1111
65°	840	1121	840	1253	840	802
75°	318	532	318	636	318	335
85°	54	135	54	115	54	73
90°	16	61	16	61	16	15
95°	153	702	153	702	153	170
105°	550	4779	550	4779	550	583
115°	976	6153	976	6153	976	964
125°	1358	4900	1358	4900	1358	1206
135°	1619	3802	1619	3802	1619	1253
145°	1878	3084	1878	3084	1878	1176
155°	2122	2656	2122	2656	2122	975
165°	2290	2474	2290	2474	2290	646
175°	2381	2397	2381	2397	2381	226
180°	2381	2381	2381	2381	2381	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3608.9	3608.9	3629.3	3636.0	3636.0	3625.9	3615.7	3625.9	3656.4	3666.5	3663.1
5°	3595.5	3622.5	3659.8	3666.5	3673.3	3669.9	3663.1	3669.9	3703.8	3710.5	3713.9
7.5°	3568.3	3619.1	3666.5	3676.7	3686.8	3676.7	3673.3	3680.1	3713.9	3720.7	3720.7
10°	3534.5	3605.6	3659.8	3666.5	3676.7	3666.5	3666.5	3680.1	3713.9	3720.7	3724.1
12.5°	3487.1	3585.3	3636.0	3642.9	3656.4	3652.9	3649.6	3663.1	3697.0	3703.8	3703.8
15°	3432.9	3548.0	3595.5	3602.2	3625.9	3619.1	3619.1	3632.7	3669.9	3680.1	3676.7
17.5°	3358.4	3500.6	3554.8	3565.0	3581.9	3578.5	3581.9	3595.5	3629.3	3636.0	3639.4
20°	3273.8	3436.3	3500.6	3510.8	3527.7	3527.7	3527.7	3544.6	3578.5	3592.0	3592.0
22.5°	3158.7	3368.6	3436.3	3443.1	3463.4	3463.4	3470.2	3493.8	3524.3	3527.7	3527.7
25°	3023.3	3294.1	3351.7	3372.0	3392.3	3402.4	3412.6	3426.2	3436.3	3432.9	3436.3
27.5°	2881.1	3199.3	3273.8	3287.4	3314.4	3324.6	3338.1	3341.5	3344.9	3355.0	3348.3
30°	2721.9	3067.3	3179.0	3192.6	3236.5	3243.3	3229.8	3236.5	3253.5	3260.3	3267.0
32.5°	2542.5	2870.9	3080.8	3111.2	3151.9	3131.6	3128.2	3138.4	3165.5	3165.5	3172.2
35°	2298.8	2718.6	2989.4	3016.5	3046.9	3023.3	3036.8	3040.2	3057.1	3067.3	3063.9
37.5°	2031.3	2586.6	2894.6	2915.0	2938.6	2908.1	2928.5	2938.6	2952.2	2945.4	2945.4
40°	1794.4	2380.0	2782.9	2796.4	2816.7	2793.1	2813.3	2820.2	2826.9	2820.2	2816.7
42.5°	1618.3	2153.2	2664.4	2681.4	2667.8	2684.7	2691.4	2705.0	2694.9	2681.4	2681.4
45°	1482.9	2092.3	2535.7	2556.1	2535.7	2562.8	2573.0	2573.0	2542.5	2535.7	2532.4
47.5°	1438.9	1970.4	2407.1	2407.1	2396.9	2430.8	2447.8	2424.0	2393.5	2383.4	2383.4
50°	1435.4	1834.9	2231.1	2217.5	2264.9	2305.5	2288.6	2264.9	2241.2	2204.0	2204.0
52.5°	1303.4	1669.1	2004.2	2055.0	2129.5	2153.2	2126.1	2102.4	2061.8	2044.9	2031.3
55°	1208.6	1496.4	1797.7	1899.2	1977.1	2007.6	1956.8	1933.1	1872.2	1862.0	1855.3
57.5°	1188.3	1245.8	1608.2	1736.8	1831.6	1828.2	1797.7	1753.7	1702.9	1692.8	1689.4
60°	1090.1	900.5	1405.0	1557.3	1655.6	1645.4	1618.3	1577.7	1530.3	1523.5	1516.7
62.5°	988.6	653.4	1174.8	1347.5	1486.3	1482.9	1459.2	1398.2	1364.4	1347.5	1333.9
65°	839.6	548.4	836.2	1120.6	1320.3	1327.1	1276.3	1232.3	1195.1	1174.8	1171.4
67.5°	639.8	446.9	565.3	934.4	1161.3	1154.4	1090.1	1069.8	1022.4	1012.2	992.0
70°	474.0	297.9	392.7	758.4	1005.5	988.6	937.7	914.1	870.1	846.4	832.9
72.5°	392.7	240.4	287.8	589.1	846.4	826.0	782.0	755.0	717.7	697.4	683.9
75°	318.2	253.9	220.0	436.7	687.2	673.7	633.1	606.0	575.5	548.4	551.9
77.5°	233.6	237.0	176.0	321.7	545.1	524.8	501.0	467.2	453.6	426.6	426.6
80°	176.0	186.2	132.0	220.0	392.7	392.7	372.4	348.7	325.0	311.5	311.5
82.5°	118.5	118.5	98.1	138.8	267.4	257.3	243.8	237.0	223.4	216.7	216.7
85°	54.2	67.7	60.9	84.6	145.5	152.4	152.4	145.5	142.2	135.4	138.8
87.5°	16.9	30.5	37.2	47.4	74.5	77.9	81.2	81.2	81.2	84.6	84.6
90°	16.0	28.8	41.6	44.8	70.3	104.4	121.5	108.0	81.0	60.7	60.7
92.5°	63.9	172.5	281.3	308.4	433.6	600.5	684.0	599.4	430.4	303.6	291.6
95°	153.4	352.2	551.2	600.9	1067.1	1688.6	1999.3	1784.1	1353.7	1030.8	994.3
97.5°	265.3	440.7	616.2	660.1	1437.3	2473.6	2991.8	2855.8	2583.7	2379.7	2310.1
100°	351.6	510.7	669.8	709.6	1572.1	2722.0	3297.0	3306.9	3326.8	3341.8	3258.8
102.5°	425.1	573.5	722.0	759.1	1633.9	2800.2	3383.4	3556.7	3903.3	4163.3	4092.2
105°	549.8	675.5	801.3	832.7	1679.7	2809.1	3373.7	3762.3	4539.3	5122.1	5083.9
107.5°	677.7	794.9	912.0	941.3	1688.2	2684.0	3182.0	3723.9	4807.8	5620.8	5630.0
110°	763.9	869.8	975.6	1002.1	1675.5	2573.2	3022.2	3628.1	4839.8	5748.6	5788.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	848.7	949.5	1050.4	1075.6	1676.0	2476.5	2876.7	3496.8	4737.0	5667.1	5728.2
115°	976.5	1069.5	1162.6	1185.9	1691.4	2365.5	2702.5	3299.9	4494.6	5390.7	5475.4
117.5°	1102.8	1187.2	1271.8	1292.9	1722.8	2296.0	2582.6	3121.8	4200.0	5008.7	5102.6
120°	1176.2	1255.8	1335.3	1355.2	1748.4	2272.6	2534.7	3027.3	4012.4	4751.3	4842.6
122.5°	1248.1	1328.4	1408.7	1428.8	1785.2	2260.4	2498.0	2941.5	3828.7	4494.1	4584.1
125°	1358.5	1431.6	1504.8	1523.1	1834.8	2250.3	2458.0	2834.9	3588.4	4153.6	4236.6
127.5°	1447.9	1521.8	1595.7	1614.1	1884.2	2244.4	2424.4	2748.0	3395.1	3880.4	3950.3
130°	1495.9	1575.4	1655.0	1674.9	1920.4	2247.9	2411.6	2699.6	3275.8	3707.8	3772.4
132.5°	1545.5	1625.0	1704.5	1724.4	1949.7	2250.2	2400.4	2658.3	3174.0	3560.8	3618.7
135°	1618.9	1691.3	1763.9	1782.0	1981.7	2248.2	2381.3	2597.2	3029.1	3353.0	3402.8
137.5°	1694.1	1765.8	1837.6	1855.5	2029.7	2261.9	2378.1	2560.6	2925.7	3199.6	3240.4
140°	1756.4	1822.5	1888.6	1905.0	2059.0	2264.2	2366.9	2524.5	2840.0	3076.5	3114.7
142.5°	1804.3	1865.4	1926.5	1941.8	2083.5	2272.4	2366.9	2505.4	2782.4	2990.2	3023.1
145°	1877.9	1931.2	1984.4	1997.7	2115.4	2272.4	2350.9	2464.2	2690.8	2860.7	2885.6
147.5°	1951.3	2003.2	2055.0	2068.0	2162.3	2288.0	2350.9	2440.1	2618.3	2752.1	2772.7
150°	1999.3	2046.2	2093.1	2104.8	2186.8	2296.2	2350.9	2426.2	2576.8	2689.7	2706.4
152.5°	2048.9	2084.4	2119.9	2128.7	2202.8	2301.5	2350.9	2415.2	2543.8	2640.2	2652.8
155°	2122.4	2148.7	2175.0	2181.5	2238.0	2313.2	2350.9	2402.1	2504.4	2581.1	2589.5
157.5°	2176.7	2202.3	2227.8	2234.2	2273.1	2324.9	2350.9	2390.7	2470.2	2529.9	2535.8
160°	2213.5	2233.4	2253.3	2258.2	2289.1	2330.3	2350.9	2385.0	2453.1	2504.3	2507.7
162.5°	2250.2	2265.1	2280.0	2283.8	2306.1	2336.0	2350.9	2379.7	2437.3	2480.4	2483.5
165°	2290.2	2303.7	2317.2	2320.6	2330.7	2344.2	2350.9	2371.5	2412.7	2443.6	2447.0
167.5°	2327.0	2333.4	2339.7	2341.3	2349.9	2361.2	2366.9	2380.4	2407.4	2427.6	2429.1
170°	2350.9	2357.3	2363.7	2365.3	2365.8	2366.5	2366.9	2380.4	2407.4	2427.6	2427.6
172.5°	2363.7	2365.1	2366.5	2366.9	2366.9	2366.9	2366.9	2377.6	2398.9	2414.9	2413.6
175°	2381.3	2381.3	2381.3	2381.3	2376.5	2370.1	2366.9	2373.6	2387.1	2397.3	2397.3
177.5°	2381.3	2381.3	2381.3	2381.3	2377.6	2372.6	2370.1	2375.4	2386.1	2394.0	2392.6
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3669.9	3659.8	3669.9	3663.1	3666.5	3656.4	3625.9	3615.7	3625.9	3636.0	3636.0
5°	3713.9	3707.2	3713.9	3713.9	3710.5	3703.8	3669.9	3663.1	3669.9	3673.3	3666.5
7.5°	3727.4	3717.3	3727.4	3720.7	3720.7	3713.9	3680.1	3673.3	3676.7	3686.8	3676.7
10°	3727.4	3717.3	3727.4	3724.1	3720.7	3713.9	3680.1	3666.5	3666.5	3676.7	3666.5
12.5°	3710.5	3703.8	3710.5	3703.8	3703.8	3697.0	3663.1	3649.6	3652.9	3656.4	3642.9
15°	3683.4	3673.3	3683.4	3676.7	3680.1	3669.9	3632.7	3619.1	3619.1	3625.9	3602.2
17.5°	3642.9	3629.3	3642.9	3639.4	3636.0	3629.3	3595.5	3581.9	3578.5	3581.9	3565.0
20°	3595.5	3585.3	3595.5	3592.0	3592.0	3578.5	3544.6	3527.7	3527.7	3527.7	3510.8
22.5°	3521.0	3510.8	3521.0	3527.7	3527.7	3524.3	3493.8	3470.2	3463.4	3463.4	3443.1
25°	3436.3	3426.2	3436.3	3436.3	3432.9	3436.3	3426.2	3412.6	3402.4	3392.3	3372.0
27.5°	3355.0	3348.3	3355.0	3348.3	3355.0	3344.9	3341.5	3338.1	3324.6	3314.4	3287.4
30°	3273.8	3267.0	3273.8	3267.0	3260.3	3253.5	3236.5	3229.8	3243.3	3236.5	3192.6
32.5°	3172.2	3165.5	3172.2	3172.2	3165.5	3165.5	3138.4	3128.2	3131.6	3151.9	3111.2
35°	3067.3	3057.1	3067.3	3063.9	3067.3	3057.1	3040.2	3036.8	3023.3	3046.9	3016.5
37.5°	2945.4	2935.2	2945.4	2945.4	2945.4	2952.2	2938.6	2928.5	2908.1	2938.6	2915.0
40°	2820.2	2806.6	2820.2	2816.7	2820.2	2826.9	2820.2	2813.3	2793.1	2816.7	2796.4
42.5°	2677.9	2674.5	2677.9	2681.4	2681.4	2694.9	2705.0	2691.4	2684.7	2667.8	2681.4
45°	2525.6	2518.8	2525.6	2532.4	2535.7	2542.5	2573.0	2573.0	2562.8	2535.7	2556.1
47.5°	2363.1	2346.2	2363.1	2383.4	2383.4	2393.5	2424.0	2447.8	2430.8	2396.9	2407.1
50°	2190.4	2193.8	2190.4	2204.0	2204.0	2241.2	2264.9	2288.6	2305.5	2264.9	2217.5
52.5°	2021.1	2017.8	2021.1	2031.3	2044.9	2061.8	2102.4	2126.1	2153.2	2129.5	2055.0
55°	1851.8	1858.7	1851.8	1855.3	1862.0	1872.2	1933.1	1956.8	2007.6	1977.1	1899.2
57.5°	1682.6	1672.5	1682.6	1689.4	1692.8	1702.9	1753.7	1797.7	1828.2	1831.6	1736.8
60°	1486.3	1472.7	1486.3	1516.7	1523.5	1530.3	1577.7	1618.3	1645.4	1655.6	1557.3
62.5°	1313.6	1289.9	1313.6	1333.9	1347.5	1364.4	1398.2	1459.2	1482.9	1486.3	1347.5
65°	1130.8	1120.6	1130.8	1171.4	1174.8	1195.1	1232.3	1276.3	1327.1	1320.3	1120.6
67.5°	964.9	964.9	964.9	992.0	1012.2	1022.4	1069.8	1090.1	1154.4	1161.3	934.4
70°	812.5	809.1	812.5	832.9	846.4	870.1	914.1	937.7	988.6	1005.5	758.4
72.5°	667.0	663.6	667.0	683.9	697.4	717.7	755.0	782.0	826.0	846.4	589.1
75°	538.3	531.5	538.3	551.9	548.4	575.5	606.0	633.1	673.7	687.2	436.7
77.5°	413.1	413.1	413.1	426.6	426.6	453.6	467.2	501.0	524.8	545.1	321.7
80°	308.1	304.7	308.1	311.5	311.5	325.0	348.7	372.4	392.7	392.7	220.0
82.5°	216.7	209.9	216.7	216.7	216.7	223.4	237.0	243.8	257.3	267.4	138.8
85°	135.4	135.4	135.4	138.8	135.4	142.2	145.5	152.4	152.4	145.5	84.6
87.5°	88.1	84.6	88.1	84.6	84.6	81.2	81.2	81.2	77.9	74.5	47.4
90°	60.7	60.7	60.7	60.7	60.7	81.0	108.0	121.5	104.4	70.3	44.8
92.5°	243.3	195.0	243.3	291.6	303.6	430.4	599.4	684.0	600.5	433.6	308.4
95°	847.9	701.6	847.9	994.3	1030.8	1353.7	1784.1	1999.3	1688.6	1067.1	600.9
97.5°	2031.6	1753.2	2031.6	2310.1	2379.7	2583.7	2855.8	2991.8	2473.6	1437.3	660.1
100°	2927.2	2595.4	2927.2	3258.8	3341.8	3326.8	3306.9	3297.0	2722.0	1572.1	709.6
102.5°	3808.1	3524.0	3808.1	4092.2	4163.3	3903.3	3556.7	3383.4	2800.2	1633.9	759.1
105°	4931.3	4778.6	4931.3	5083.9	5122.1	4539.3	3762.3	3373.7	2809.1	1679.7	832.7
107.5°	5667.0	5703.9	5667.0	5630.0	5620.8	4807.8	3723.9	3182.0	2684.0	1688.2	941.3
110°	5947.5	6106.7	5947.5	5788.4	5748.6	4839.8	3628.1	3022.2	2573.2	1675.5	1002.1



TEST NUMBER: P936025

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5972.6	6216.9	5972.6	5728.2	5667.1	4737.0	3496.8	2876.7	2476.5	1676.0	1075.6
115°	5814.1	6153.0	5814.1	5475.4	5390.7	4494.6	3299.9	2702.5	2365.5	1691.4	1185.9
117.5°	5478.4	5854.1	5478.4	5102.6	5008.7	4200.0	3121.8	2582.6	2296.0	1722.8	1292.9
120°	5207.7	5572.8	5207.7	4842.6	4751.3	4012.4	3027.3	2534.7	2272.6	1748.4	1355.2
122.5°	4944.3	5304.4	4944.3	4584.1	4494.1	3828.7	2941.5	2498.0	2260.4	1785.2	1428.8
125°	4568.3	4900.0	4568.3	4236.6	4153.6	3588.4	2834.9	2458.0	2250.3	1834.8	1523.1
127.5°	4230.2	4510.1	4230.2	3950.3	3880.4	3395.1	2748.0	2424.4	2244.4	1884.2	1614.1
130°	4031.0	4289.5	4031.0	3772.4	3707.8	3275.8	2699.6	2411.6	2247.9	1920.4	1674.9
132.5°	3850.2	4081.7	3850.2	3618.7	3560.8	3174.0	2658.3	2400.4	2250.2	1949.7	1724.4
135°	3602.5	3802.1	3602.5	3402.8	3353.0	3029.1	2597.2	2381.3	2248.2	1981.7	1782.0
137.5°	3403.8	3567.1	3403.8	3240.4	3199.6	2925.7	2560.6	2378.1	2261.9	2029.7	1855.5
140°	3267.4	3420.1	3267.4	3114.7	3076.5	2840.0	2524.5	2366.9	2264.2	2059.0	1905.0
142.5°	3154.5	3285.8	3154.5	3023.1	2990.2	2782.4	2505.4	2366.9	2272.4	2083.5	1941.8
145°	2985.1	3084.5	2985.1	2885.6	2860.7	2690.8	2464.2	2350.9	2272.4	2115.4	1997.7
147.5°	2855.1	2937.4	2855.1	2772.7	2752.1	2618.3	2440.1	2350.9	2288.0	2162.3	2068.0
150°	2773.2	2840.0	2773.2	2706.4	2689.7	2576.8	2426.2	2350.9	2296.2	2186.8	2104.8
152.5°	2703.2	2753.6	2703.2	2652.8	2640.2	2543.8	2415.2	2350.9	2301.5	2202.8	2128.7
155°	2622.8	2656.2	2622.8	2589.5	2581.1	2504.4	2402.1	2350.9	2313.2	2238.0	2181.5
157.5°	2559.2	2582.6	2559.2	2535.8	2529.9	2470.2	2390.7	2350.9	2324.9	2273.1	2234.2
160°	2521.2	2534.7	2521.2	2507.7	2504.3	2453.1	2385.0	2350.9	2330.3	2289.1	2258.2
162.5°	2496.4	2509.2	2496.4	2483.5	2480.4	2437.3	2379.7	2350.9	2336.0	2306.1	2283.8
165°	2460.5	2474.0	2460.5	2447.0	2443.6	2412.7	2371.5	2350.9	2344.2	2330.7	2320.6
167.5°	2434.7	2440.4	2434.7	2429.1	2427.6	2407.4	2380.4	2366.9	2361.2	2349.9	2341.3
170°	2427.6	2427.6	2427.6	2427.6	2427.6	2407.4	2380.4	2366.9	2366.5	2365.8	2365.3
172.5°	2408.6	2403.7	2408.6	2413.6	2414.9	2398.9	2377.6	2366.9	2366.9	2366.9	2366.9
175°	2397.3	2397.3	2397.3	2397.3	2397.3	2387.1	2373.6	2366.9	2370.1	2376.5	2381.3
177.5°	2386.9	2381.3	2386.9	2392.6	2394.0	2386.1	2375.4	2370.1	2372.6	2377.6	2381.3
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



TEST NUMBER: P936025

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3629.3	3608.9	3608.9	3575.1	3561.5	3551.4	3534.5	3483.7	3470.2	3456.6	3476.9
5°	3659.8	3622.5	3595.5	3534.5	3483.7	3463.4	3399.1	3277.2	3195.9	3135.0	3101.2
7.5°	3666.5	3619.1	3568.3	3473.6	3351.7	3297.5	3101.2	2877.7	2816.7	2762.6	2728.7
10°	3659.8	3605.6	3534.5	3392.3	3104.5	3009.7	2813.3	2667.8	2630.5	2620.4	2630.5
12.5°	3636.0	3585.3	3487.1	3250.1	2847.2	2782.9	2667.8	2583.1	2576.4	2593.3	2684.7
15°	3595.5	3548.0	3432.9	3060.5	2705.0	2657.6	2576.4	2545.9	2583.1	2701.6	2975.9
17.5°	3554.8	3500.6	3358.4	2874.3	2596.7	2562.8	2505.2	2566.2	2776.1	2935.2	3026.7
20°	3500.6	3436.3	3273.8	2738.8	2518.8	2488.3	2461.3	2735.5	2894.6	2952.2	3002.9
22.5°	3436.3	3368.6	3158.7	2644.1	2437.6	2413.9	2430.8	2830.3	2894.6	2935.2	2979.3
25°	3351.7	3294.1	3023.3	2569.6	2373.3	2346.2	2410.5	2820.2	2857.4	2867.6	2955.5
27.5°	3273.8	3199.3	2881.1	2501.9	2295.4	2285.2	2427.4	2776.1	2803.2	2813.3	2908.1
30°	3179.0	3067.3	2721.9	2430.8	2214.2	2210.7	2430.8	2721.9	2715.2	2742.3	2837.1
32.5°	3080.8	2870.9	2542.5	2342.8	2136.3	2132.8	2407.1	2640.7	2634.0	2671.2	2742.3
35°	2989.4	2718.6	2298.8	2241.2	2038.1	2041.5	2349.5	2545.9	2549.3	2583.1	2627.1
37.5°	2894.6	2586.6	2031.3	2129.5	1943.3	1943.3	2271.6	2457.9	2451.1	2461.3	2522.2
40°	2782.9	2380.0	1794.4	1983.9	1855.3	1845.1	2176.9	2363.1	2339.4	2336.0	2420.7
42.5°	2664.4	2153.2	1618.3	1790.9	1753.7	1740.1	2061.8	2248.0	2204.0	2214.2	2322.5
45°	2535.7	2092.3	1482.9	1513.3	1648.7	1638.6	1936.5	2115.9	2085.4	2112.6	2224.3
47.5°	2407.1	1970.4	1438.9	1256.0	1537.0	1533.7	1797.7	1987.3	1970.4	1997.5	2115.9
50°	2231.1	1834.9	1435.4	1076.6	1411.8	1425.3	1631.8	1862.0	1862.0	1885.7	2011.0
52.5°	2004.2	1669.1	1303.4	975.0	1266.2	1306.8	1486.3	1753.7	1760.4	1784.2	1895.9
55°	1797.7	1496.4	1208.6	897.2	1093.5	1181.5	1344.1	1642.0	1655.6	1679.2	1780.8
57.5°	1608.2	1245.8	1188.3	805.8	934.4	1019.1	1218.8	1533.7	1540.4	1560.7	1658.9
60°	1405.0	900.5	1090.1	707.6	795.6	859.9	1103.7	1405.0	1428.7	1442.2	1526.8
62.5°	1174.8	653.4	988.6	639.8	727.9	741.5	1008.9	1283.1	1313.6	1323.7	1374.5
65°	836.2	548.4	839.6	582.3	656.8	660.2	907.3	1157.9	1184.9	1201.8	1239.1
67.5°	565.3	446.9	639.8	528.1	602.6	606.0	809.1	1012.2	1049.5	1063.0	1086.8
70°	392.7	297.9	474.0	470.6	541.7	548.4	704.2	880.3	914.1	924.3	937.7
72.5°	287.8	240.4	392.7	423.2	477.4	484.1	595.8	731.3	765.1	775.3	782.0
75°	220.0	253.9	318.2	369.0	406.2	409.6	487.5	595.8	619.6	626.3	629.7
77.5°	176.0	237.0	233.6	297.9	331.7	325.0	382.6	460.5	480.7	480.7	480.7
80°	132.0	186.2	176.0	213.3	243.8	237.0	274.3	328.4	335.2	341.9	338.6
82.5°	98.1	118.5	118.5	135.4	162.5	155.7	182.8	213.3	213.3	213.3	220.0
85°	60.9	67.7	54.2	71.1	91.4	88.1	101.6	115.1	118.5	118.5	111.7
87.5°	37.2	30.5	16.9	27.1	40.7	40.7	47.4	50.8	47.4	47.4	47.4
90°	41.6	28.8	16.0	28.8	41.6	44.8	70.3	104.4	121.5	108.0	81.0
92.5°	281.3	172.5	63.9	172.5	281.3	308.4	433.6	600.5	684.0	599.4	430.4
95°	551.2	352.2	153.4	352.2	551.2	600.9	1067.1	1688.6	1999.3	1784.1	1353.7
97.5°	616.2	440.7	265.3	440.7	616.2	660.1	1437.3	2473.6	2991.8	2855.8	2583.7
100°	669.8	510.7	351.6	510.7	669.8	709.6	1572.1	2722.0	3297.0	3306.9	3326.8
102.5°	722.0	573.5	425.1	573.5	722.0	759.1	1633.9	2800.2	3383.4	3556.7	3903.3
105°	801.3	675.5	549.8	675.5	801.3	832.7	1679.7	2809.1	3373.7	3762.3	4539.3
107.5°	912.0	794.9	677.7	794.9	912.0	941.3	1688.2	2684.0	3182.0	3723.9	4807.8
110°	975.6	869.8	763.9	869.8	975.6	1002.1	1675.5	2573.2	3022.2	3628.1	4839.8



TEST NUMBER: P936025

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1050.4	949.5	848.7	949.5	1050.4	1075.6	1676.0	2476.5	2876.7	3496.8	4737.0
115°	1162.6	1069.5	976.5	1069.5	1162.6	1185.9	1691.4	2365.5	2702.5	3299.9	4494.6
117.5°	1271.8	1187.2	1102.8	1187.2	1271.8	1292.9	1722.8	2296.0	2582.6	3121.8	4200.0
120°	1335.3	1255.8	1176.2	1255.8	1335.3	1355.2	1748.4	2272.6	2534.7	3027.3	4012.4
122.5°	1408.7	1328.4	1248.1	1328.4	1408.7	1428.8	1785.2	2260.4	2498.0	2941.5	3828.7
125°	1504.8	1431.6	1358.5	1431.6	1504.8	1523.1	1834.8	2250.3	2458.0	2834.9	3588.4
127.5°	1595.7	1521.8	1447.9	1521.8	1595.7	1614.1	1884.2	2244.4	2424.4	2748.0	3395.1
130°	1655.0	1575.4	1495.9	1575.4	1655.0	1674.9	1920.4	2247.9	2411.6	2699.6	3275.8
132.5°	1704.5	1625.0	1545.5	1625.0	1704.5	1724.4	1949.7	2250.2	2400.4	2658.3	3174.0
135°	1763.9	1691.3	1618.9	1691.3	1763.9	1782.0	1981.7	2248.2	2381.3	2597.2	3029.1
137.5°	1837.6	1765.8	1694.1	1765.8	1837.6	1855.5	2029.7	2261.9	2378.1	2560.6	2925.7
140°	1888.6	1822.5	1756.4	1822.5	1888.6	1905.0	2059.0	2264.2	2366.9	2524.5	2840.0
142.5°	1926.5	1865.4	1804.3	1865.4	1926.5	1941.8	2083.5	2272.4	2366.9	2505.4	2782.4
145°	1984.4	1931.2	1877.9	1931.2	1984.4	1997.7	2115.4	2272.4	2350.9	2464.2	2690.8
147.5°	2055.0	2003.2	1951.3	2003.2	2055.0	2068.0	2162.3	2288.0	2350.9	2440.1	2618.3
150°	2093.1	2046.2	1999.3	2046.2	2093.1	2104.8	2186.8	2296.2	2350.9	2426.2	2576.8
152.5°	2119.9	2084.4	2048.9	2084.4	2119.9	2128.7	2202.8	2301.5	2350.9	2415.2	2543.8
155°	2175.0	2148.7	2122.4	2148.7	2175.0	2181.5	2238.0	2313.2	2350.9	2402.1	2504.4
157.5°	2227.8	2202.3	2176.7	2202.3	2227.8	2234.2	2273.1	2324.9	2350.9	2390.7	2470.2
160°	2253.3	2233.4	2213.5	2233.4	2253.3	2258.2	2289.1	2330.3	2350.9	2385.0	2453.1
162.5°	2280.0	2265.1	2250.2	2265.1	2280.0	2283.8	2306.1	2336.0	2350.9	2379.7	2437.3
165°	2317.2	2303.7	2290.2	2303.7	2317.2	2320.6	2330.7	2344.2	2350.9	2371.5	2412.7
167.5°	2339.7	2333.4	2327.0	2333.4	2339.7	2341.3	2349.9	2361.2	2366.9	2380.4	2407.4
170°	2363.7	2357.3	2350.9	2357.3	2363.7	2365.3	2365.8	2366.5	2366.9	2380.4	2407.4
172.5°	2366.5	2365.1	2363.7	2365.1	2366.5	2366.9	2366.9	2366.9	2366.9	2377.6	2398.9
175°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2376.5	2370.1	2366.9	2373.6	2387.1
177.5°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2377.6	2372.6	2370.1	2375.4	2386.1
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



TEST NUMBER: P936025

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3453.2	3443.1	3456.6	3419.3	3456.6	3443.1	3453.2	3476.9	3456.6	3470.2	3483.7
5°	3030.0	3013.1	2959.0	2915.0	2959.0	3013.1	3030.0	3101.2	3135.0	3195.9	3277.2
7.5°	2708.4	2694.9	2681.4	2654.2	2681.4	2694.9	2708.4	2728.7	2762.6	2816.7	2877.7
10°	2637.3	2640.7	2661.0	2657.6	2661.0	2640.7	2637.3	2630.5	2620.4	2630.5	2667.8
12.5°	2820.2	2850.6	2962.3	2955.5	2962.3	2850.6	2820.2	2684.7	2593.3	2576.4	2583.1
15°	3030.0	3040.2	3063.9	3067.3	3063.9	3040.2	3030.0	2975.9	2701.6	2583.1	2545.9
17.5°	3050.3	3053.8	3070.7	3070.7	3070.7	3053.8	3050.3	3026.7	2935.2	2776.1	2566.2
20°	3033.4	3040.2	3074.0	3080.8	3074.0	3040.2	3033.4	3002.9	2952.2	2894.6	2735.5
22.5°	3026.7	3040.2	3067.3	3063.9	3067.3	3040.2	3026.7	2979.3	2935.2	2894.6	2830.3
25°	2992.8	2992.8	2996.2	2999.5	2996.2	2992.8	2992.8	2955.5	2867.6	2857.4	2820.2
27.5°	2921.7	2928.5	2948.8	2945.4	2948.8	2928.5	2921.7	2908.1	2813.3	2803.2	2776.1
30°	2857.4	2850.6	2833.7	2820.2	2833.7	2850.6	2857.4	2837.1	2742.3	2715.2	2721.9
32.5°	2749.0	2732.1	2715.2	2705.0	2715.2	2732.1	2749.0	2742.3	2671.2	2634.0	2640.7
35°	2620.4	2623.8	2620.4	2610.2	2620.4	2623.8	2620.4	2627.1	2583.1	2549.3	2545.9
37.5°	2529.0	2535.7	2532.4	2518.8	2532.4	2535.7	2529.0	2522.2	2461.3	2451.1	2457.9
40°	2434.2	2437.6	2434.2	2424.0	2434.2	2437.6	2434.2	2420.7	2336.0	2339.4	2363.1
42.5°	2342.8	2339.4	2329.2	2322.5	2329.2	2339.4	2342.8	2322.5	2214.2	2204.0	2248.0
45°	2237.8	2241.2	2220.9	2210.7	2220.9	2241.2	2237.8	2224.3	2112.6	2085.4	2115.9
47.5°	2132.8	2132.8	2115.9	2105.8	2115.9	2132.8	2132.8	2115.9	1997.5	1970.4	1987.3
50°	2021.1	2017.8	1994.0	1990.7	1994.0	2017.8	2021.1	2011.0	1885.7	1862.0	1862.0
52.5°	1892.5	1892.5	1895.9	1902.7	1895.9	1892.5	1892.5	1895.9	1784.2	1760.4	1753.7
55°	1780.8	1784.2	1807.8	1814.6	1807.8	1784.2	1780.8	1780.8	1679.2	1655.6	1642.0
57.5°	1665.6	1665.6	1682.6	1682.6	1682.6	1665.6	1665.6	1658.9	1560.7	1540.4	1533.7
60°	1533.7	1540.4	1553.9	1550.6	1553.9	1540.4	1533.7	1526.8	1442.2	1428.7	1405.0
62.5°	1394.8	1401.6	1405.0	1398.2	1405.0	1401.6	1394.8	1374.5	1323.7	1313.6	1283.1
65°	1249.2	1256.0	1259.4	1252.7	1259.4	1256.0	1249.2	1239.1	1201.8	1184.9	1157.9
67.5°	1100.3	1096.9	1093.5	1107.0	1093.5	1096.9	1100.3	1086.8	1063.0	1049.5	1012.2
70°	947.9	947.9	944.6	951.3	944.6	947.9	947.9	937.7	924.3	914.1	880.3
72.5°	785.5	782.0	795.6	785.5	795.6	782.0	785.5	782.0	775.3	765.1	731.3
75°	626.3	633.1	626.3	636.5	626.3	633.1	626.3	629.7	626.3	619.6	595.8
77.5°	477.4	484.1	477.4	477.4	477.4	484.1	477.4	480.7	480.7	480.7	460.5
80°	338.6	335.2	335.2	331.7	335.2	335.2	338.6	338.6	341.9	335.2	328.4
82.5°	216.7	213.3	213.3	220.0	213.3	213.3	216.7	220.0	213.3	213.3	213.3
85°	118.5	121.9	115.1	115.1	115.1	121.9	118.5	111.7	118.5	118.5	115.1
87.5°	44.0	40.7	40.7	40.7	40.7	40.7	44.0	47.4	47.4	47.4	50.8
90°	60.7	60.7	60.7	60.7	60.7	60.7	60.7	81.0	108.0	121.5	104.4
92.5°	303.6	291.6	243.3	195.0	243.3	291.6	303.6	430.4	599.4	684.0	600.5
95°	1030.8	994.3	847.9	701.6	847.9	994.3	1030.8	1353.7	1784.1	1999.3	1688.6
97.5°	2379.7	2310.1	2031.6	1753.2	2031.6	2310.1	2379.7	2583.7	2855.8	2991.8	2473.6
100°	3341.8	3258.8	2927.2	2595.4	2927.2	3258.8	3341.8	3326.8	3306.9	3297.0	2722.0
102.5°	4163.3	4092.2	3808.1	3524.0	3808.1	4092.2	4163.3	3903.3	3556.7	3383.4	2800.2
105°	5122.1	5083.9	4931.3	4778.6	4931.3	5083.9	5122.1	4539.3	3762.3	3373.7	2809.1
107.5°	5620.8	5630.0	5667.0	5703.9	5667.0	5630.0	5620.8	4807.8	3723.9	3182.0	2684.0
110°	5748.6	5788.4	5947.5	6106.7	5947.5	5788.4	5748.6	4839.8	3628.1	3022.2	2573.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5667.1	5728.2	5972.6	6216.9	5972.6	5728.2	5667.1	4737.0	3496.8	2876.7	2476.5
115°	5390.7	5475.4	5814.1	6153.0	5814.1	5475.4	5390.7	4494.6	3299.9	2702.5	2365.5
117.5°	5008.7	5102.6	5478.4	5854.1	5478.4	5102.6	5008.7	4200.0	3121.8	2582.6	2296.0
120°	4751.3	4842.6	5207.7	5572.8	5207.7	4842.6	4751.3	4012.4	3027.3	2534.7	2272.6
122.5°	4494.1	4584.1	4944.3	5304.4	4944.3	4584.1	4494.1	3828.7	2941.5	2498.0	2260.4
125°	4153.6	4236.6	4568.3	4900.0	4568.3	4236.6	4153.6	3588.4	2834.9	2458.0	2250.3
127.5°	3880.4	3950.3	4230.2	4510.1	4230.2	3950.3	3880.4	3395.1	2748.0	2424.4	2244.4
130°	3707.8	3772.4	4031.0	4289.5	4031.0	3772.4	3707.8	3275.8	2699.6	2411.6	2247.9
132.5°	3560.8	3618.7	3850.2	4081.7	3850.2	3618.7	3560.8	3174.0	2658.3	2400.4	2250.2
135°	3353.0	3402.8	3602.5	3802.1	3602.5	3402.8	3353.0	3029.1	2597.2	2381.3	2248.2
137.5°	3199.6	3240.4	3403.8	3567.1	3403.8	3240.4	3199.6	2925.7	2560.6	2378.1	2261.9
140°	3076.5	3114.7	3267.4	3420.1	3267.4	3114.7	3076.5	2840.0	2524.5	2366.9	2264.2
142.5°	2990.2	3023.1	3154.5	3285.8	3154.5	3023.1	2990.2	2782.4	2505.4	2366.9	2272.4
145°	2860.7	2885.6	2985.1	3084.5	2985.1	2885.6	2860.7	2690.8	2464.2	2350.9	2272.4
147.5°	2752.1	2772.7	2855.1	2937.4	2855.1	2772.7	2752.1	2618.3	2440.1	2350.9	2288.0
150°	2689.7	2706.4	2773.2	2840.0	2773.2	2706.4	2689.7	2576.8	2426.2	2350.9	2296.2
152.5°	2640.2	2652.8	2703.2	2753.6	2703.2	2652.8	2640.2	2543.8	2415.2	2350.9	2301.5
155°	2581.1	2589.5	2622.8	2656.2	2622.8	2589.5	2581.1	2504.4	2402.1	2350.9	2313.2
157.5°	2529.9	2535.8	2559.2	2582.6	2559.2	2535.8	2529.9	2470.2	2390.7	2350.9	2324.9
160°	2504.3	2507.7	2521.2	2534.7	2521.2	2507.7	2504.3	2453.1	2385.0	2350.9	2330.3
162.5°	2480.4	2483.5	2496.4	2509.2	2496.4	2483.5	2480.4	2437.3	2379.7	2350.9	2336.0
165°	2443.6	2447.0	2460.5	2474.0	2460.5	2447.0	2443.6	2412.7	2371.5	2350.9	2344.2
167.5°	2427.6	2429.1	2434.7	2440.4	2434.7	2429.1	2427.6	2407.4	2380.4	2366.9	2361.2
170°	2427.6	2427.6	2427.6	2427.6	2427.6	2427.6	2427.6	2407.4	2380.4	2366.9	2366.5
172.5°	2414.9	2413.6	2408.6	2403.7	2408.6	2413.6	2414.9	2398.9	2377.6	2366.9	2366.9
175°	2397.3	2397.3	2397.3	2397.3	2397.3	2397.3	2397.3	2387.1	2373.6	2366.9	2370.1
177.5°	2394.0	2392.6	2386.9	2381.3	2386.9	2392.6	2394.0	2386.1	2375.4	2370.1	2372.6
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3534.5	3551.4	3561.5	3575.1	3608.9
5°	3399.1	3463.4	3483.7	3534.5	3595.5
7.5°	3101.2	3297.5	3351.7	3473.6	3568.3
10°	2813.3	3009.7	3104.5	3392.3	3534.5
12.5°	2667.8	2782.9	2847.2	3250.1	3487.1
15°	2576.4	2657.6	2705.0	3060.5	3432.9
17.5°	2505.2	2562.8	2596.7	2874.3	3358.4
20°	2461.3	2488.3	2518.8	2738.8	3273.8
22.5°	2430.8	2413.9	2437.6	2644.1	3158.7
25°	2410.5	2346.2	2373.3	2569.6	3023.3
27.5°	2427.4	2285.2	2295.4	2501.9	2881.1
30°	2430.8	2210.7	2214.2	2430.8	2721.9
32.5°	2407.1	2132.8	2136.3	2342.8	2542.5
35°	2349.5	2041.5	2038.1	2241.2	2298.8
37.5°	2271.6	1943.3	1943.3	2129.5	2031.3
40°	2176.9	1845.1	1855.3	1983.9	1794.4
42.5°	2061.8	1740.1	1753.7	1790.9	1618.3
45°	1936.5	1638.6	1648.7	1513.3	1482.9
47.5°	1797.7	1533.7	1537.0	1256.0	1438.9
50°	1631.8	1425.3	1411.8	1076.6	1435.4
52.5°	1486.3	1306.8	1266.2	975.0	1303.4
55°	1344.1	1181.5	1093.5	897.2	1208.6
57.5°	1218.8	1019.1	934.4	805.8	1188.3
60°	1103.7	859.9	795.6	707.6	1090.1
62.5°	1008.9	741.5	727.9	639.8	988.6
65°	907.3	660.2	656.8	582.3	839.6
67.5°	809.1	606.0	602.6	528.1	639.8
70°	704.2	548.4	541.7	470.6	474.0
72.5°	595.8	484.1	477.4	423.2	392.7
75°	487.5	409.6	406.2	369.0	318.2
77.5°	382.6	325.0	331.7	297.9	233.6
80°	274.3	237.0	243.8	213.3	176.0
82.5°	182.8	155.7	162.5	135.4	118.5
85°	101.6	88.1	91.4	71.1	54.2
87.5°	47.4	40.7	40.7	27.1	16.9
90°	70.3	44.8	41.6	28.8	16.0
92.5°	433.6	308.4	281.3	172.5	63.9
95°	1067.1	600.9	551.2	352.2	153.4
97.5°	1437.3	660.1	616.2	440.7	265.3
100°	1572.1	709.6	669.8	510.7	351.6
102.5°	1633.9	759.1	722.0	573.5	425.1
105°	1679.7	832.7	801.3	675.5	549.8
107.5°	1688.2	941.3	912.0	794.9	677.7
110°	1675.5	1002.1	975.6	869.8	763.9



TEST NUMBER: P936025

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1676.0	1075.6	1050.4	949.5	848.7
115°	1691.4	1185.9	1162.6	1069.5	976.5
117.5°	1722.8	1292.9	1271.8	1187.2	1102.8
120°	1748.4	1355.2	1335.3	1255.8	1176.2
122.5°	1785.2	1428.8	1408.7	1328.4	1248.1
125°	1834.8	1523.1	1504.8	1431.6	1358.5
127.5°	1884.2	1614.1	1595.7	1521.8	1447.9
130°	1920.4	1674.9	1655.0	1575.4	1495.9
132.5°	1949.7	1724.4	1704.5	1625.0	1545.5
135°	1981.7	1782.0	1763.9	1691.3	1618.9
137.5°	2029.7	1855.5	1837.6	1765.8	1694.1
140°	2059.0	1905.0	1888.6	1822.5	1756.4
142.5°	2083.5	1941.8	1926.5	1865.4	1804.3
145°	2115.4	1997.7	1984.4	1931.2	1877.9
147.5°	2162.3	2068.0	2055.0	2003.2	1951.3
150°	2186.8	2104.8	2093.1	2046.2	1999.3
152.5°	2202.8	2128.7	2119.9	2084.4	2048.9
155°	2238.0	2181.5	2175.0	2148.7	2122.4
157.5°	2273.1	2234.2	2227.8	2202.3	2176.7
160°	2289.1	2258.2	2253.3	2233.4	2213.5
162.5°	2306.1	2283.8	2280.0	2265.1	2250.2
165°	2330.7	2320.6	2317.2	2303.7	2290.2
167.5°	2349.9	2341.3	2339.7	2333.4	2327.0
170°	2365.8	2365.3	2363.7	2357.3	2350.9
172.5°	2366.9	2366.9	2366.5	2365.1	2363.7
175°	2376.5	2381.3	2381.3	2381.3	2381.3
177.5°	2377.6	2381.3	2381.3	2381.3	2381.3
180°	2381.3	2381.3	2381.3	2381.3	2381.3



TEST NUMBER: P936025
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.89	12.65	12.95	13.71	15.15	14.74	15.50	15.80	16.56	18.00
	3H	12.36	13.04	13.43	14.11	15.57	16.09	16.77	17.15	17.84	19.29
	4H	12.55	13.19	13.63	14.26	15.73	16.53	17.18	17.61	18.25	19.71
	6H	12.66	13.25	13.75	14.33	15.80	16.82	17.41	17.90	18.48	19.96
	8H	12.66	13.22	13.75	14.31	15.78	16.89	17.46	17.98	18.55	20.02
	12H	12.63	13.16	13.72	14.25	15.74	16.93	17.47	18.03	18.55	20.04
4H	2H	12.92	13.56	14.00	14.63	16.10	15.14	15.78	16.22	16.86	18.32
	3H	13.94	14.47	15.03	15.57	17.05	16.64	17.18	17.73	18.28	19.75
	4H	14.21	14.70	15.30	15.79	17.29	17.17	17.66	18.27	18.75	20.25
	6H	14.33	14.75	15.43	15.86	17.35	17.54	17.96	18.64	19.07	20.56
	8H	14.33	14.72	15.43	15.83	17.33	17.64	18.04	18.75	19.14	20.65
	12H	14.29	14.65	15.41	15.77	17.28	17.70	18.06	18.82	19.17	20.68
8H	4H	14.66	15.05	15.76	16.15	17.66	17.29	17.68	18.39	18.78	20.29
	6H	14.91	15.24	16.04	16.38	17.89	17.72	18.05	18.85	19.20	20.70
	8H	14.95	15.24	16.09	16.37	17.89	17.88	18.16	19.01	19.29	20.81
	12H	14.93	15.18	16.07	16.31	17.87	17.98	18.23	19.11	19.35	20.91
12H	4H	14.66	15.01	15.78	16.13	17.64	17.25	17.60	18.37	18.72	20.23
	6H	14.97	15.26	16.11	16.39	17.91	17.72	18.01	18.85	19.13	20.66
	8H	15.04	15.29	16.17	16.41	17.97	17.88	18.13	19.02	19.25	20.81