

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: P936026

Luminaire Tested: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936026
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-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

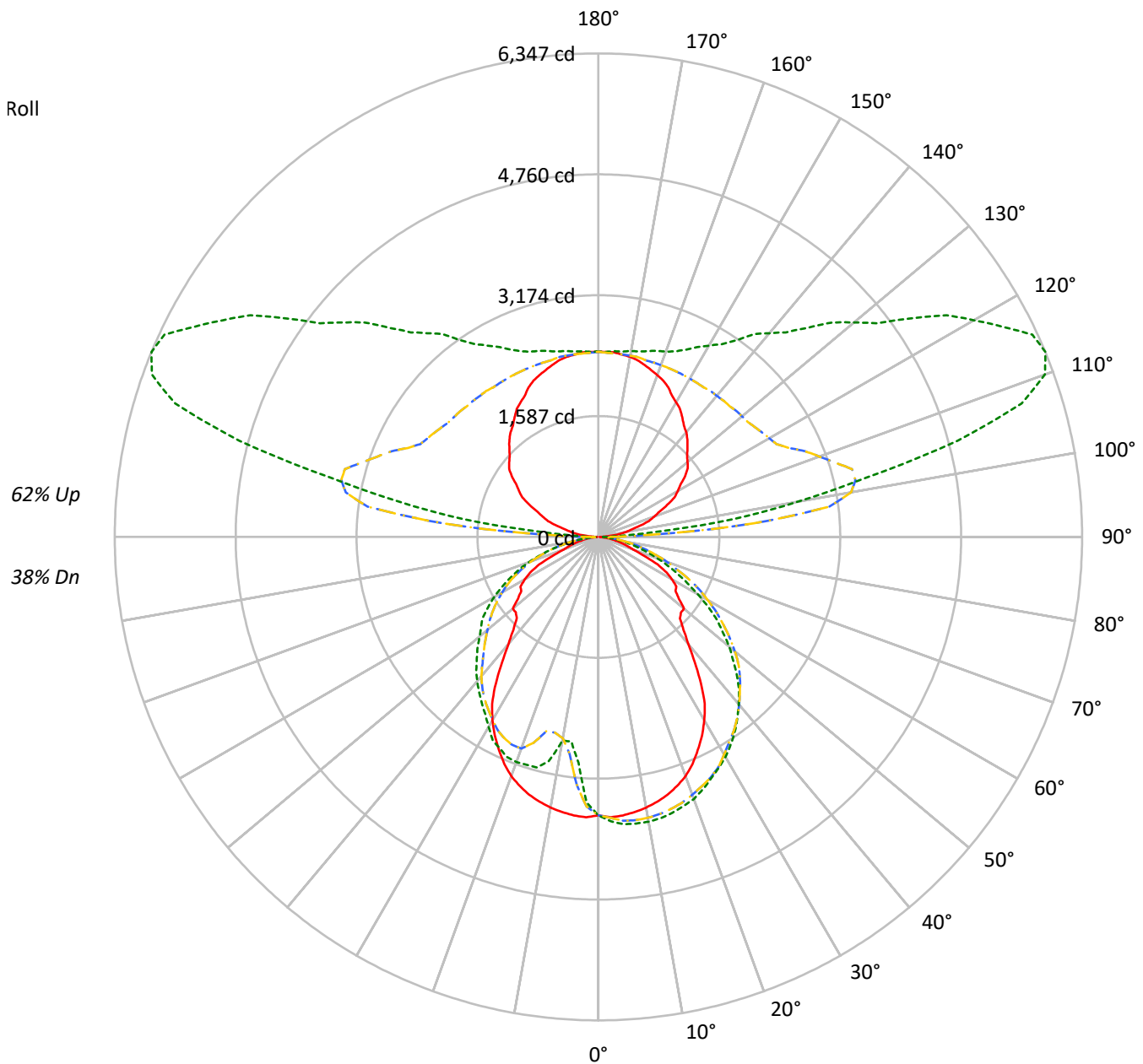
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25242.8 lumens
Efficiency: N/A
Efficacy: 116.2 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): 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-12-3000K

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°	11301	11301	11301	11301
5°	11389	11408	11389	8970
10°	11317	11237	11317	8033
15°	11198	10993	11198	9180
20°	10969	10705	10969	9199
25°	10494	10284	10494	9004
30°	9878	9935	9878	8576
35°	8811	9493	8811	8105
40°	7346	8973	7346	7750
45°	6567	8365	6567	7342
50°	6983	7639	6983	6931
55°	6576	6856	6576	6694
60°	6787	5823	6787	6131
65°	6164	4814	6164	5381
70°	4278	3836	4278	4511
75°	3766	2836	3766	3396
80°	3056	1875	3056	2041
85°	1792	993	1792	845

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10059 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.8	1.3
10°-20°	936.4	3.7
20°-30°	1447.5	5.7
30°-40°	1728.0	6.8
40°-50°	1738.1	6.9
50°-60°	1512.3	6.0
60°-70°	1072.3	4.2
70°-80°	567.3	2.2
80°-90°	150.6	0.6
90°-100°	1185.1	4.7
100°-110°	3115.7	12.3
110°-120°	3230.6	12.8
120°-130°	2591.4	10.3
130°-140°	2033.3	8.1
140°-150°	1560.6	6.2
150°-160°	1123.9	4.5
160°-170°	687.7	2.7
170°-180°	232.3	0.9
0°-30°	2713.6	10.8
0°-40°	4441.6	17.6
0°-60°	7692.0	30.5
0°-90°	9482.2	37.6
90°-120°	7531.4	29.8
90°-150°	13716.7	54.3
90°-180°	15761.0	62.4
0°-180°	25242.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3654	3654	3654	3654	3654	
5°	3671	3785	3671	2976	3671	348
15°	3505	3750	3505	3132	3505	986
25°	3087	3498	3087	3062	3087	1417
35°	2347	3121	2347	2665	2347	1452
45°	1514	2572	1514	2257	1514	1213
55°	1234	1898	1234	1853	1234	1134
65°	857	1144	857	1279	857	819
75°	325	543	325	650	325	342
85°	55	138	55	118	55	75
90°	16	62	16	62	16	16
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°	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3684.6	3684.6	3705.4	3712.2	3712.2	3701.9	3691.5	3701.9	3733.0	3743.4	3739.9
5°	3670.8	3698.5	3736.5	3743.4	3750.3	3746.9	3739.9	3746.9	3781.4	3788.3	3791.8
7.5°	3643.1	3695.0	3743.4	3753.8	3764.1	3753.8	3750.3	3757.2	3791.8	3798.7	3798.7
10°	3608.6	3681.2	3736.5	3743.4	3753.8	3743.4	3743.4	3757.2	3791.8	3798.7	3802.2
12.5°	3560.2	3660.4	3712.2	3719.2	3733.0	3729.5	3726.1	3739.9	3774.5	3781.4	3781.4
15°	3504.9	3622.4	3670.8	3677.7	3701.9	3695.0	3695.0	3708.8	3746.9	3757.2	3753.8
17.5°	3428.8	3574.0	3629.3	3639.7	3657.0	3653.5	3657.0	3670.8	3705.4	3712.2	3715.7
20°	3342.4	3508.4	3574.0	3584.4	3601.7	3601.7	3601.7	3618.9	3653.5	3667.3	3667.3
22.5°	3224.9	3439.2	3508.4	3515.3	3536.0	3536.0	3542.9	3567.1	3598.2	3601.7	3601.7
25°	3086.7	3363.2	3421.9	3442.7	3463.4	3473.7	3484.1	3498.0	3508.4	3504.9	3508.4
27.5°	2941.5	3266.4	3342.4	3356.3	3383.9	3394.3	3408.1	3411.6	3415.0	3425.3	3418.5
30°	2779.0	3131.6	3245.6	3259.5	3304.4	3311.3	3297.5	3304.4	3321.7	3328.6	3335.5
32.5°	2595.8	2931.1	3145.4	3176.5	3218.0	3197.2	3193.8	3204.2	3231.8	3231.8	3238.7
35°	2347.0	2775.6	3052.1	3079.8	3110.8	3086.7	3100.4	3103.9	3121.2	3131.6	3128.2
37.5°	2073.9	2640.8	2955.3	2976.1	3000.2	2969.1	2989.9	3000.2	3014.1	3007.1	3007.1
40°	1832.0	2429.9	2841.3	2855.0	2875.8	2851.6	2872.3	2879.3	2886.2	2879.3	2875.8
42.5°	1652.2	2198.3	2720.2	2737.6	2723.7	2741.0	2747.9	2761.7	2751.4	2737.6	2737.6
45°	1513.9	2136.1	2588.9	2609.6	2588.9	2616.5	2626.9	2626.9	2595.8	2588.9	2585.5
47.5°	1469.0	2011.7	2457.6	2457.6	2447.2	2481.7	2499.1	2474.8	2443.7	2433.4	2433.4
50°	1465.5	1873.4	2277.8	2264.0	2312.4	2353.9	2336.6	2312.4	2288.2	2250.2	2250.2
52.5°	1330.7	1704.0	2046.2	2098.1	2174.2	2198.3	2170.7	2146.5	2105.0	2087.7	2073.9
55°	1233.9	1527.8	1835.4	1939.1	2018.6	2049.7	1997.8	1973.7	1911.4	1901.0	1894.1
57.5°	1213.3	1271.9	1641.9	1773.2	1870.0	1866.5	1835.4	1790.5	1738.6	1728.3	1724.8
60°	1113.0	919.4	1434.4	1590.0	1690.3	1679.9	1652.2	1610.7	1562.3	1555.4	1548.5
62.5°	1009.3	667.1	1199.4	1375.7	1517.4	1513.9	1489.8	1427.5	1393.0	1375.7	1361.9
65°	857.2	559.9	853.7	1144.1	1348.0	1355.0	1303.1	1258.2	1220.1	1199.4	1195.9
67.5°	653.2	456.2	577.2	954.0	1185.6	1178.6	1113.0	1092.2	1043.8	1033.4	1012.8
70°	483.9	304.2	401.0	774.3	1026.6	1009.3	957.4	933.3	888.3	864.1	850.3
72.5°	401.0	245.4	293.8	601.4	864.1	843.3	798.4	770.8	732.8	712.0	698.2
75°	324.9	259.3	224.6	445.9	701.6	687.9	646.4	618.7	587.6	559.9	563.4
77.5°	238.5	242.0	179.7	328.4	556.5	535.8	511.5	477.0	463.1	435.5	435.5
80°	179.7	190.1	134.8	224.6	401.0	401.0	380.2	356.1	331.8	318.0	318.0
82.5°	121.0	121.0	100.2	141.7	273.0	262.7	248.9	242.0	228.1	221.2	221.2
85°	55.3	69.2	62.2	86.4	148.6	155.6	155.6	148.6	145.2	138.2	141.7
87.5°	17.3	31.1	38.0	48.4	76.0	79.5	82.9	82.9	82.9	86.4	86.4
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°	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3746.9	3736.5	3746.9	3739.9	3743.4	3733.0	3701.9	3691.5	3701.9	3712.2	3712.2
5°	3791.8	3784.9	3791.8	3791.8	3788.3	3781.4	3746.9	3739.9	3746.9	3750.3	3743.4
7.5°	3805.6	3795.3	3805.6	3798.7	3798.7	3791.8	3757.2	3750.3	3753.8	3764.1	3753.8
10°	3805.6	3795.3	3805.6	3802.2	3798.7	3791.8	3757.2	3743.4	3743.4	3753.8	3743.4
12.5°	3788.3	3781.4	3788.3	3781.4	3781.4	3774.5	3739.9	3726.1	3729.5	3733.0	3719.2
15°	3760.6	3750.3	3760.6	3753.8	3757.2	3746.9	3708.8	3695.0	3695.0	3701.9	3677.7
17.5°	3719.2	3705.4	3719.2	3715.7	3712.2	3705.4	3670.8	3657.0	3653.5	3657.0	3639.7
20°	3670.8	3660.4	3670.8	3667.3	3667.3	3653.5	3618.9	3601.7	3601.7	3601.7	3584.4
22.5°	3594.8	3584.4	3594.8	3601.7	3601.7	3598.2	3567.1	3542.9	3536.0	3536.0	3515.3
25°	3508.4	3498.0	3508.4	3508.4	3504.9	3508.4	3498.0	3484.1	3473.7	3463.4	3442.7
27.5°	3425.3	3418.5	3425.3	3418.5	3425.3	3415.0	3411.6	3408.1	3394.3	3383.9	3356.3
30°	3342.4	3335.5	3342.4	3335.5	3328.6	3321.7	3304.4	3297.5	3311.3	3304.4	3259.5
32.5°	3238.7	3231.8	3238.7	3238.7	3231.8	3231.8	3204.2	3193.8	3197.2	3218.0	3176.5
35°	3131.6	3121.2	3131.6	3128.2	3131.6	3121.2	3103.9	3100.4	3086.7	3110.8	3079.8
37.5°	3007.1	2996.7	3007.1	3007.1	3007.1	3014.1	3000.2	2989.9	2969.1	3000.2	2976.1
40°	2879.3	2865.4	2879.3	2875.8	2879.3	2886.2	2879.3	2872.3	2851.6	2875.8	2855.0
42.5°	2734.1	2730.6	2734.1	2737.6	2737.6	2751.4	2761.7	2747.9	2741.0	2723.7	2737.6
45°	2578.5	2571.6	2578.5	2585.5	2588.9	2595.8	2626.9	2626.9	2616.5	2588.9	2609.6
47.5°	2412.7	2395.4	2412.7	2433.4	2433.4	2443.7	2474.8	2499.1	2481.7	2447.2	2457.6
50°	2236.3	2239.8	2236.3	2250.2	2250.2	2288.2	2312.4	2336.6	2353.9	2312.4	2264.0
52.5°	2063.5	2060.1	2063.5	2073.9	2087.7	2105.0	2146.5	2170.7	2198.3	2174.2	2098.1
55°	1890.7	1897.6	1890.7	1894.1	1901.0	1911.4	1973.7	1997.8	2049.7	2018.6	1939.1
57.5°	1717.9	1707.5	1717.9	1724.8	1728.3	1738.6	1790.5	1835.4	1866.5	1870.0	1773.2
60°	1517.4	1503.6	1517.4	1548.5	1555.4	1562.3	1610.7	1652.2	1679.9	1690.3	1590.0
62.5°	1341.1	1316.9	1341.1	1361.9	1375.7	1393.0	1427.5	1489.8	1513.9	1517.4	1375.7
65°	1154.5	1144.1	1154.5	1195.9	1199.4	1220.1	1258.2	1303.1	1355.0	1348.0	1144.1
67.5°	985.1	985.1	985.1	1012.8	1033.4	1043.8	1092.2	1113.0	1178.6	1185.6	954.0
70°	829.6	826.1	829.6	850.3	864.1	888.3	933.3	957.4	1009.3	1026.6	774.3
72.5°	681.0	677.5	681.0	698.2	712.0	732.8	770.8	798.4	843.3	864.1	601.4
75°	549.6	542.7	549.6	563.4	559.9	587.6	618.7	646.4	687.9	701.6	445.9
77.5°	421.7	421.7	421.7	435.5	435.5	463.1	477.0	511.5	535.8	556.5	328.4
80°	314.5	311.1	314.5	318.0	318.0	331.8	356.1	380.2	401.0	401.0	224.6
82.5°	221.2	214.3	221.2	221.2	221.2	228.1	242.0	248.9	262.7	273.0	141.7
85°	138.2	138.2	138.2	141.7	138.2	145.2	148.6	155.6	155.6	148.6	86.4
87.5°	89.9	86.4	89.9	86.4	86.4	82.9	82.9	82.9	79.5	76.0	48.4
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



TEST NUMBER: P936026

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-3000K

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



TEST NUMBER: P936026

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3705.4	3684.6	3684.6	3650.1	3636.2	3625.8	3608.6	3556.8	3542.9	3529.0	3549.8
5°	3736.5	3698.5	3670.8	3608.6	3556.8	3536.0	3470.3	3345.9	3262.9	3200.7	3166.2
7.5°	3743.4	3695.0	3643.1	3546.4	3421.9	3366.7	3166.2	2938.1	2875.8	2820.5	2785.9
10°	3736.5	3681.2	3608.6	3463.4	3169.6	3072.8	2872.3	2723.7	2685.7	2675.3	2685.7
12.5°	3712.2	3660.4	3560.2	3318.3	2906.9	2841.3	2723.7	2637.3	2630.4	2647.7	2741.0
15°	3670.8	3622.4	3504.9	3124.7	2761.7	2713.3	2630.4	2599.3	2637.3	2758.2	3038.3
17.5°	3629.3	3574.0	3428.8	2934.6	2651.2	2616.5	2557.8	2620.0	2834.3	2996.7	3090.1
20°	3574.0	3508.4	3342.4	2796.3	2571.6	2540.5	2512.9	2792.9	2955.3	3014.1	3065.9
22.5°	3508.4	3439.2	3224.9	2699.6	2488.7	2464.5	2481.7	2889.7	2955.3	2996.7	3041.7
25°	3421.9	3363.2	3086.7	2623.5	2423.0	2395.4	2461.1	2879.3	2917.3	2927.7	3017.5
27.5°	3342.4	3266.4	2941.5	2554.4	2343.5	2333.1	2478.3	2834.3	2862.0	2872.3	2969.1
30°	3245.6	3131.6	2779.0	2481.7	2260.6	2257.1	2481.7	2779.0	2772.1	2799.8	2896.5
32.5°	3145.4	2931.1	2595.8	2391.9	2181.0	2177.6	2457.6	2696.1	2689.2	2727.2	2799.8
35°	3052.1	2775.6	2347.0	2288.2	2080.8	2084.2	2398.8	2599.3	2602.8	2637.3	2682.2
37.5°	2955.3	2640.8	2073.9	2174.2	1984.1	1984.1	2319.3	2509.5	2502.5	2512.9	2575.1
40°	2841.3	2429.9	1832.0	2025.5	1894.1	1883.8	2222.6	2412.7	2388.4	2385.0	2471.4
42.5°	2720.2	2198.3	1652.2	1828.5	1790.5	1776.6	2105.0	2295.1	2250.2	2260.6	2371.1
45°	2588.9	2136.1	1513.9	1545.1	1683.3	1672.9	1977.1	2160.3	2129.2	2156.9	2271.0
47.5°	2457.6	2011.7	1469.0	1282.3	1569.2	1565.8	1835.4	2029.0	2011.7	2039.3	2160.3
50°	2277.8	1873.4	1465.5	1099.2	1441.4	1455.2	1666.0	1901.0	1901.0	1925.3	2053.1
52.5°	2046.2	1704.0	1330.7	995.4	1292.7	1334.2	1517.4	1790.5	1797.3	1821.6	1935.7
55°	1835.4	1527.8	1233.9	916.0	1116.5	1206.3	1372.2	1676.4	1690.3	1714.4	1818.1
57.5°	1641.9	1271.9	1213.3	822.7	954.0	1040.4	1244.3	1565.8	1572.7	1593.5	1693.7
60°	1434.4	919.4	1113.0	722.4	812.3	878.0	1126.8	1434.4	1458.7	1472.4	1558.8
62.5°	1199.4	667.1	1009.3	653.2	743.1	757.0	1030.0	1310.0	1341.1	1351.5	1403.4
65°	853.7	559.9	857.2	594.6	670.6	674.0	926.4	1182.1	1209.8	1227.0	1265.1
67.5°	577.2	456.2	653.2	539.2	615.2	618.7	826.1	1033.4	1071.5	1085.3	1109.6
70°	401.0	304.2	483.9	480.5	553.0	559.9	719.0	898.7	933.3	943.6	957.4
72.5°	293.8	245.4	401.0	432.1	487.4	494.3	608.3	746.6	781.2	791.5	798.4
75°	224.6	259.3	324.9	376.7	414.7	418.2	497.8	608.3	632.6	639.5	642.9
77.5°	179.7	242.0	238.5	304.2	338.7	331.8	390.6	470.1	490.8	490.8	490.8
80°	134.8	190.1	179.7	217.7	248.9	242.0	280.0	335.3	342.2	349.1	345.7
82.5°	100.2	121.0	121.0	138.2	165.9	159.0	186.6	217.7	217.7	217.7	224.6
85°	62.2	69.2	55.3	72.6	93.3	89.9	103.7	117.6	121.0	121.0	114.1
87.5°	38.0	31.1	17.3	27.6	41.5	41.5	48.4	51.9	48.4	48.4	48.4
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: P936026

CATALOG NUMBER: SQ4-FA-150U-100D-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: P936026

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3525.6	3515.3	3529.0	3491.0	3529.0	3515.3	3525.6	3549.8	3529.0	3542.9	3556.8
5°	3093.5	3076.3	3021.0	2976.1	3021.0	3076.3	3093.5	3166.2	3200.7	3262.9	3345.9
7.5°	2765.2	2751.4	2737.6	2709.8	2737.6	2751.4	2765.2	2785.9	2820.5	2875.8	2938.1
10°	2692.6	2696.1	2716.8	2713.3	2716.8	2696.1	2692.6	2685.7	2675.3	2685.7	2723.7
12.5°	2879.3	2910.3	3024.4	3017.5	3024.4	2910.3	2879.3	2741.0	2647.7	2630.4	2637.3
15°	3093.5	3103.9	3128.2	3131.6	3128.2	3103.9	3093.5	3038.3	2758.2	2637.3	2599.3
17.5°	3114.3	3117.8	3135.0	3135.0	3135.0	3117.8	3114.3	3090.1	2996.7	2834.3	2620.0
20°	3097.0	3103.9	3138.5	3145.4	3138.5	3103.9	3097.0	3065.9	3014.1	2955.3	2792.9
22.5°	3090.1	3103.9	3131.6	3128.2	3131.6	3103.9	3090.1	3041.7	2996.7	2955.3	2889.7
25°	3055.5	3055.5	3059.0	3062.4	3059.0	3055.5	3055.5	3017.5	2927.7	2917.3	2879.3
27.5°	2983.0	2989.9	3010.6	3007.1	3010.6	2989.9	2983.0	2969.1	2872.3	2862.0	2834.3
30°	2917.3	2910.3	2893.1	2879.3	2893.1	2910.3	2917.3	2896.5	2799.8	2772.1	2779.0
32.5°	2806.6	2789.4	2772.1	2761.7	2772.1	2789.4	2806.6	2799.8	2727.2	2689.2	2696.1
35°	2675.3	2678.8	2675.3	2664.9	2675.3	2678.8	2675.3	2682.2	2637.3	2602.8	2599.3
37.5°	2582.0	2588.9	2585.5	2571.6	2585.5	2588.9	2582.0	2575.1	2512.9	2502.5	2509.5
40°	2485.2	2488.7	2485.2	2474.8	2485.2	2488.7	2485.2	2471.4	2385.0	2388.4	2412.7
42.5°	2391.9	2388.4	2378.0	2371.1	2378.0	2388.4	2391.9	2371.1	2260.6	2250.2	2295.1
45°	2284.7	2288.2	2267.5	2257.1	2267.5	2288.2	2284.7	2271.0	2156.9	2129.2	2160.3
47.5°	2177.6	2177.6	2160.3	2149.9	2160.3	2177.6	2177.6	2160.3	2039.3	2011.7	2029.0
50°	2063.5	2060.1	2035.9	2032.4	2035.9	2060.1	2063.5	2053.1	1925.3	1901.0	1901.0
52.5°	1932.2	1932.2	1935.7	1942.5	1935.7	1932.2	1932.2	1935.7	1821.6	1797.3	1790.5
55°	1818.1	1821.6	1845.7	1852.6	1845.7	1821.6	1818.1	1818.1	1714.4	1690.3	1676.4
57.5°	1700.6	1700.6	1717.9	1717.9	1717.9	1700.6	1700.6	1693.7	1593.5	1572.7	1565.8
60°	1565.8	1572.7	1586.5	1583.1	1586.5	1572.7	1565.8	1558.8	1472.4	1458.7	1434.4
62.5°	1424.0	1431.0	1434.4	1427.5	1434.4	1431.0	1424.0	1403.4	1351.5	1341.1	1310.0
65°	1275.4	1282.3	1285.8	1278.9	1285.8	1282.3	1275.4	1265.1	1227.0	1209.8	1182.1
67.5°	1123.4	1119.9	1116.5	1130.2	1116.5	1119.9	1123.4	1109.6	1085.3	1071.5	1033.4
70°	967.8	967.8	964.4	971.3	964.4	967.8	967.8	957.4	943.6	933.3	898.7
72.5°	801.9	798.4	812.3	801.9	812.3	798.4	801.9	798.4	791.5	781.2	746.6
75°	639.5	646.4	639.5	649.8	639.5	646.4	639.5	642.9	639.5	632.6	608.3
77.5°	487.4	494.3	487.4	487.4	487.4	494.3	487.4	490.8	490.8	490.8	470.1
80°	345.7	342.2	342.2	338.7	342.2	342.2	345.7	345.7	349.1	342.2	335.3
82.5°	221.2	217.7	217.7	224.6	217.7	217.7	221.2	224.6	217.7	217.7	217.7
85°	121.0	124.4	117.6	117.6	117.6	124.4	121.0	114.1	121.0	121.0	117.6
87.5°	44.9	41.5	41.5	41.5	41.5	41.5	44.9	48.4	48.4	48.4	51.9
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



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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



TEST NUMBER: P936026

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3608.6	3625.8	3636.2	3650.1	3684.6
5°	3470.3	3536.0	3556.8	3608.6	3670.8
7.5°	3166.2	3366.7	3421.9	3546.4	3643.1
10°	2872.3	3072.8	3169.6	3463.4	3608.6
12.5°	2723.7	2841.3	2906.9	3318.3	3560.2
15°	2630.4	2713.3	2761.7	3124.7	3504.9
17.5°	2557.8	2616.5	2651.2	2934.6	3428.8
20°	2512.9	2540.5	2571.6	2796.3	3342.4
22.5°	2481.7	2464.5	2488.7	2699.6	3224.9
25°	2461.1	2395.4	2423.0	2623.5	3086.7
27.5°	2478.3	2333.1	2343.5	2554.4	2941.5
30°	2481.7	2257.1	2260.6	2481.7	2779.0
32.5°	2457.6	2177.6	2181.0	2391.9	2595.8
35°	2398.8	2084.2	2080.8	2288.2	2347.0
37.5°	2319.3	1984.1	1984.1	2174.2	2073.9
40°	2222.6	1883.8	1894.1	2025.5	1832.0
42.5°	2105.0	1776.6	1790.5	1828.5	1652.2
45°	1977.1	1672.9	1683.3	1545.1	1513.9
47.5°	1835.4	1565.8	1569.2	1282.3	1469.0
50°	1666.0	1455.2	1441.4	1099.2	1465.5
52.5°	1517.4	1334.2	1292.7	995.4	1330.7
55°	1372.2	1206.3	1116.5	916.0	1233.9
57.5°	1244.3	1040.4	954.0	822.7	1213.3
60°	1126.8	878.0	812.3	722.4	1113.0
62.5°	1030.0	757.0	743.1	653.2	1009.3
65°	926.4	674.0	670.6	594.6	857.2
67.5°	826.1	618.7	615.2	539.2	653.2
70°	719.0	559.9	553.0	480.5	483.9
72.5°	608.3	494.3	487.4	432.1	401.0
75°	497.8	418.2	414.7	376.7	324.9
77.5°	390.6	331.8	338.7	304.2	238.5
80°	280.0	242.0	248.9	217.7	179.7
82.5°	186.6	159.0	165.9	138.2	121.0
85°	103.7	89.9	93.3	72.6	55.3
87.5°	48.4	41.5	41.5	27.6	17.3
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-100D-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	11.96	12.72	13.02	13.78	15.22	14.82	15.58	15.87	16.64	18.07
	3H	12.43	13.11	13.50	14.18	15.64	16.16	16.84	17.23	17.91	19.37
	4H	12.62	13.26	13.70	14.34	15.80	16.60	17.25	17.68	18.32	19.78
	6H	12.73	13.33	13.82	14.40	15.88	16.89	17.48	17.98	18.56	20.03
	8H	12.73	13.30	13.82	14.39	15.86	16.96	17.53	18.05	18.62	20.09
	12H	12.70	13.24	13.80	14.32	15.81	17.00	17.54	18.10	18.62	20.12
4H	2H	12.99	13.63	14.07	14.71	16.17	15.21	15.86	16.30	16.93	18.39
	3H	14.01	14.54	15.10	15.64	17.12	16.71	17.25	17.81	18.35	19.83
	4H	14.28	14.77	15.38	15.86	17.36	17.24	17.74	18.34	18.82	20.32
	6H	14.40	14.82	15.50	15.93	17.42	17.61	18.03	18.71	19.14	20.63
	8H	14.40	14.80	15.51	15.90	17.41	17.71	18.11	18.82	19.21	20.72
	12H	14.36	14.72	15.49	15.84	17.35	17.77	18.13	18.89	19.24	20.76
8H	4H	14.73	15.12	15.83	16.23	17.73	17.36	17.75	18.46	18.86	20.36
	6H	14.98	15.31	16.11	16.46	17.96	17.80	18.12	18.92	19.27	20.77
	8H	15.03	15.31	16.16	16.44	17.96	17.95	18.24	19.08	19.36	20.89
	12H	15.01	15.26	16.14	16.38	17.94	18.05	18.30	19.18	19.42	20.98
12H	4H	14.73	15.09	15.85	16.20	17.72	17.32	17.67	18.44	18.79	20.30
	6H	15.05	15.33	16.18	16.46	17.98	17.79	18.08	18.93	19.20	20.73
	8H	15.11	15.36	16.24	16.48	18.04	17.95	18.20	19.09	19.33	20.89