

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: P936078

Luminaire Tested: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936078
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-B2750-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

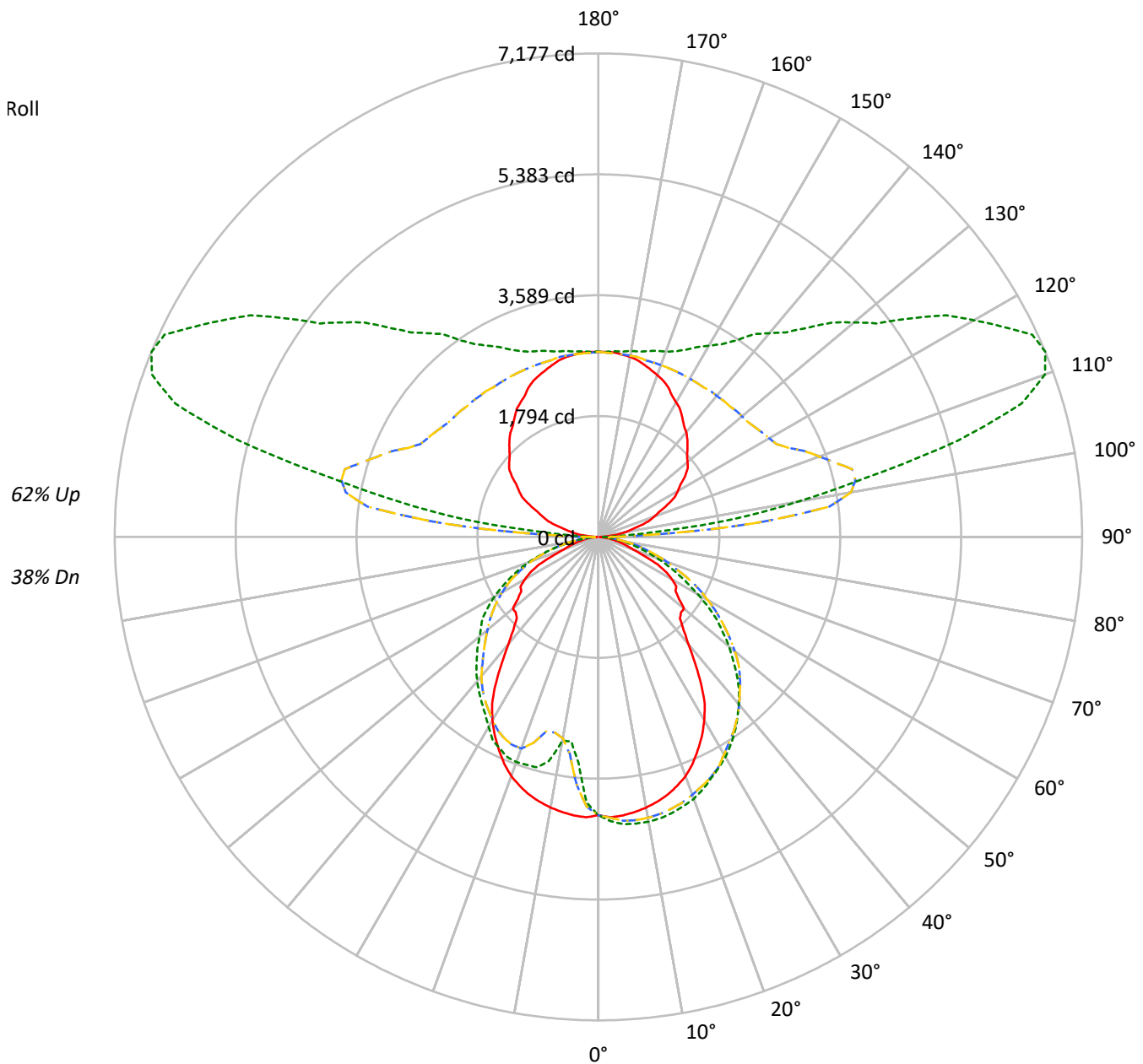
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28541.7 lumens
Efficiency: N/A
Efficacy: 131.4 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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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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38			38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32			32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27			27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23			23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19			19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17			17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15			15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13			13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12			12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10			10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9			9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12777	12777	12777	12777
5°	12878	12898	12878	10142
10°	12796	12706	12796	9083
15°	12662	12430	12662	10379
20°	12402	12104	12402	10401
25°	11865	11628	11865	10180
30°	11169	11233	11169	9697
35°	9962	10734	9962	9165
40°	8306	10146	8306	8763
45°	7426	9458	7426	8301
50°	7896	8637	7896	7838
55°	7435	7753	7435	7569
60°	7674	6584	7674	6933
65°	6969	5443	6969	6084
70°	4837	4337	4837	5100
75°	4258	3206	4258	3840
80°	3456	2120	3456	2308
85°	2025	1123	2025	954

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11374 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.9	1.3
10°-20°	1058.7	3.7
20°-30°	1636.6	5.7
30°-40°	1953.8	6.8
40°-50°	1965.2	6.9
50°-60°	1710.0	6.0
60°-70°	1212.4	4.2
70°-80°	641.4	2.2
80°-90°	170.2	0.6
90°-100°	1340.0	4.7
100°-110°	3522.9	12.3
110°-120°	3652.8	12.8
120°-130°	2930.0	10.3
130°-140°	2299.0	8.1
140°-150°	1764.6	6.2
150°-160°	1270.8	4.5
160°-170°	777.5	2.7
170°-180°	262.7	0.9
0°-30°	3068.3	10.8
0°-40°	5022.1	17.6
0°-60°	8697.3	30.5
0°-90°	10721.4	37.6
90°-120°	8515.7	29.8
90°-150°	15509.3	54.3
90°-180°	17820.0	62.4
0°-180°	28541.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4131	4131	4131	4131	4131	
5°	4151	4280	4151	3365	4151	394
15°	3963	4240	3963	3541	3963	1115
25°	3490	3955	3490	3463	3490	1602
35°	2654	3529	2654	3013	2654	1642
45°	1712	2908	1712	2552	1712	1371
55°	1395	2146	1395	2095	1395	1282
65°	969	1294	969	1446	969	926
75°	367	614	367	735	367	386
85°	62	156	62	133	62	84
90°	18	70	18	70	18	18
95°	177	810	177	810	177	197
105°	635	5516	635	5516	635	673
115°	1127	7103	1127	7103	1127	1113
125°	1568	5657	1568	5657	1568	1392
135°	1869	4389	1869	4389	1869	1446
145°	2168	3561	2168	3561	2168	1358
155°	2450	3066	2450	3066	2450	1126
165°	2644	2856	2644	2856	2644	746
175°	2749	2767	2749	2767	2749	261
180°	2749	2749	2749	2749	2749	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	4166.1	4166.1	4189.6	4197.4	4197.4	4185.7	4173.9	4185.7	4220.9	4232.6	4228.7
5°	4150.6	4181.8	4224.8	4232.6	4240.4	4236.5	4228.7	4236.5	4275.6	4283.4	4287.3
7.5°	4119.2	4177.9	4232.6	4244.3	4256.1	4244.3	4240.4	4248.3	4287.3	4295.1	4295.1
10°	4080.2	4162.3	4224.8	4232.6	4244.3	4232.6	4232.6	4248.3	4287.3	4295.1	4299.1
12.5°	4025.4	4138.8	4197.4	4205.3	4220.9	4216.9	4213.1	4228.7	4267.8	4275.6	4275.6
15°	3962.9	4095.8	4150.6	4158.4	4185.7	4177.9	4177.9	4193.6	4236.5	4248.3	4244.3
17.5°	3877.0	4041.1	4103.6	4115.4	4134.9	4130.9	4134.9	4150.6	4189.6	4197.4	4201.3
20°	3779.2	3966.9	4041.1	4052.9	4072.4	4072.4	4072.4	4091.9	4130.9	4146.6	4146.6
22.5°	3646.3	3888.7	3966.9	3974.7	3998.1	3998.1	4005.9	4033.2	4068.4	4072.4	4072.4
25°	3490.0	3802.7	3869.2	3892.6	3916.0	3927.7	3939.5	3955.1	3966.9	3962.9	3966.9
27.5°	3325.9	3693.3	3779.2	3794.9	3826.2	3837.9	3853.5	3857.4	3861.3	3873.0	3865.2
30°	3142.2	3540.8	3669.8	3685.5	3736.2	3744.0	3728.5	3736.2	3755.8	3763.7	3771.4
32.5°	2935.0	3314.1	3556.5	3591.6	3638.5	3615.1	3611.2	3623.0	3654.2	3654.2	3662.0
35°	2653.7	3138.3	3451.0	3482.3	3517.4	3490.0	3505.6	3509.6	3529.1	3540.8	3537.0
37.5°	2344.9	2985.9	3341.6	3365.0	3392.3	3357.1	3380.6	3392.3	3408.0	3400.1	3400.1
40°	2071.4	2747.5	3212.6	3228.2	3251.6	3224.3	3247.7	3255.6	3263.4	3255.6	3251.6
42.5°	1868.2	2485.6	3075.7	3095.3	3079.7	3099.2	3107.0	3122.7	3110.9	3095.3	3095.3
45°	1711.8	2415.3	2927.2	2950.7	2927.2	2958.5	2970.2	2970.2	2935.0	2927.2	2923.4
47.5°	1661.0	2274.6	2778.7	2778.7	2767.0	2806.1	2825.7	2798.3	2763.1	2751.4	2751.4
50°	1657.1	2118.2	2575.5	2559.9	2614.6	2661.5	2642.0	2614.6	2587.3	2544.3	2544.3
52.5°	1504.6	1926.7	2313.6	2372.3	2458.3	2485.6	2454.4	2427.0	2380.1	2360.6	2344.9
55°	1395.2	1727.5	2075.2	2192.5	2282.4	2317.6	2258.9	2231.6	2161.2	2149.5	2141.7
57.5°	1371.8	1438.2	1856.4	2004.9	2114.4	2110.4	2075.2	2024.5	1965.8	1954.2	1950.2
60°	1258.4	1039.5	1621.9	1797.8	1911.2	1899.4	1868.2	1821.2	1766.5	1758.7	1750.8
62.5°	1141.2	754.3	1356.1	1555.5	1715.7	1711.8	1684.5	1614.1	1575.0	1555.5	1539.8
65°	969.2	633.1	965.3	1293.6	1524.2	1532.0	1473.4	1422.6	1379.6	1356.1	1352.2
67.5°	738.6	515.9	652.6	1078.7	1340.6	1332.7	1258.4	1235.0	1180.2	1168.5	1145.1
70°	547.1	343.9	453.4	875.5	1160.7	1141.2	1082.5	1055.2	1004.4	977.0	961.4
72.5°	453.4	277.5	332.2	680.0	977.0	953.6	902.8	871.5	828.5	805.1	789.5
75°	367.4	293.1	254.0	504.1	793.3	777.8	730.8	699.6	664.4	633.1	637.1
77.5°	269.7	273.6	203.2	371.3	629.3	605.8	578.4	539.3	523.7	492.4	492.4
80°	203.2	214.9	152.4	254.0	453.4	453.4	429.9	402.6	375.2	359.6	359.6
82.5°	136.8	136.8	113.3	160.2	308.7	297.0	281.4	273.6	257.9	250.1	250.1
85°	62.5	78.2	70.3	97.7	168.0	175.9	175.9	168.0	164.2	156.3	160.2
87.5°	19.5	35.2	43.0	54.7	86.0	89.9	93.8	93.8	93.8	97.7	97.7
90°	18.4	33.2	48.0	51.7	81.1	120.5	140.2	124.6	93.5	70.1	70.1
92.5°	73.8	199.2	324.7	356.0	500.6	693.3	789.6	692.0	496.8	350.5	336.6
95°	177.1	406.6	636.3	693.7	1231.8	1949.3	2308.0	2059.6	1562.7	1190.0	1147.8
97.5°	306.3	508.8	711.3	762.0	1659.2	2855.6	3453.7	3296.7	2982.6	2747.1	2666.7
100°	405.8	589.5	773.2	819.2	1814.8	3142.3	3806.1	3817.5	3840.5	3857.7	3762.0
102.5°	490.7	662.1	833.5	876.4	1886.1	3232.5	3905.7	4105.8	4505.9	4806.1	4724.0
105°	634.7	779.8	925.0	961.3	1939.1	3242.8	3894.6	4343.1	5240.2	5912.9	5868.9
107.5°	782.3	917.6	1052.9	1086.7	1948.8	3098.4	3673.2	4298.9	5550.1	6488.6	6499.2
110°	881.9	1004.0	1126.2	1156.8	1934.1	2970.5	3488.8	4188.2	5587.1	6636.2	6682.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	979.7	1096.1	1212.6	1241.7	1934.7	2858.8	3320.8	4036.7	5468.4	6542.1	6612.6
115°	1127.3	1234.7	1342.1	1369.0	1952.6	2730.7	3119.8	3809.4	5188.5	6222.9	6320.8
117.5°	1273.0	1370.5	1468.2	1492.5	1988.8	2650.5	2981.4	3603.7	4848.5	5782.0	5890.5
120°	1357.8	1449.7	1541.5	1564.5	2018.3	2623.5	2926.1	3494.7	4631.9	5484.9	5590.3
122.5°	1440.8	1533.5	1626.2	1649.4	2060.8	2609.4	2883.7	3395.7	4419.8	5187.9	5291.9
125°	1568.2	1652.6	1737.1	1758.2	2118.0	2597.7	2837.5	3272.5	4142.5	4794.9	4890.7
127.5°	1671.5	1756.8	1842.0	1863.3	2175.1	2590.9	2798.8	3172.3	3919.3	4479.5	4560.2
130°	1726.9	1818.7	1910.5	1933.4	2216.9	2595.0	2784.0	3116.5	3781.5	4280.2	4354.9
132.5°	1784.1	1875.9	1967.7	1990.6	2250.7	2597.6	2771.1	3068.7	3664.1	4110.5	4177.4
135°	1868.9	1952.5	2036.2	2057.1	2287.7	2595.3	2749.0	2998.2	3496.8	3870.6	3928.2
137.5°	1955.6	2038.5	2121.3	2142.0	2343.0	2611.1	2745.2	2955.9	3377.4	3693.6	3740.7
140°	2027.6	2103.8	2180.1	2199.2	2376.9	2613.8	2732.3	2914.3	3278.4	3551.5	3595.5
142.5°	2082.9	2153.4	2223.9	2241.6	2405.1	2623.3	2732.3	2892.2	3212.0	3451.9	3489.8
145°	2167.8	2229.3	2290.8	2306.2	2442.0	2623.3	2713.9	2844.6	3106.2	3302.4	3331.1
147.5°	2252.6	2312.5	2372.3	2387.3	2496.2	2641.3	2713.9	2816.8	3022.6	3177.0	3200.8
150°	2308.0	2362.2	2416.3	2429.8	2524.5	2650.8	2713.9	2800.8	2974.7	3105.0	3124.2
152.5°	2365.2	2406.2	2447.2	2457.4	2542.9	2656.9	2713.9	2788.1	2936.5	3047.8	3062.4
155°	2450.1	2480.5	2510.8	2518.3	2583.5	2670.4	2713.9	2772.9	2891.1	2979.6	2989.3
157.5°	2512.8	2542.3	2571.8	2579.2	2624.0	2683.9	2713.9	2759.8	2851.6	2920.5	2927.3
160°	2555.2	2578.2	2601.2	2606.9	2642.6	2690.1	2713.9	2753.2	2831.9	2891.0	2894.9
162.5°	2597.6	2614.9	2632.0	2636.4	2662.2	2696.6	2713.9	2747.1	2813.6	2863.3	2867.0
165°	2643.8	2659.3	2674.9	2678.9	2690.5	2706.1	2713.9	2737.6	2785.2	2820.8	2824.8
167.5°	2686.3	2693.7	2700.9	2702.8	2712.7	2725.8	2732.3	2747.9	2779.0	2802.4	2804.1
170°	2713.9	2721.3	2728.7	2730.5	2731.1	2731.9	2732.3	2747.9	2779.0	2802.4	2802.4
172.5°	2728.7	2730.2	2731.9	2732.3	2732.3	2732.3	2732.3	2744.6	2769.3	2787.7	2786.2
175°	2749.0	2749.0	2749.0	2749.0	2743.4	2736.1	2732.3	2740.1	2755.7	2767.4	2767.4
177.5°	2749.0	2749.0	2749.0	2749.0	2744.6	2738.9	2736.1	2742.2	2754.5	2763.7	2762.0
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	4236.5	4224.8	4236.5	4228.7	4232.6	4220.9	4185.7	4173.9	4185.7	4197.4	4197.4
5°	4287.3	4279.5	4287.3	4287.3	4283.4	4275.6	4236.5	4228.7	4236.5	4240.4	4232.6
7.5°	4302.9	4291.3	4302.9	4295.1	4295.1	4287.3	4248.3	4240.4	4244.3	4256.1	4244.3
10°	4302.9	4291.3	4302.9	4299.1	4295.1	4287.3	4248.3	4232.6	4232.6	4244.3	4232.6
12.5°	4283.4	4275.6	4283.4	4275.6	4275.6	4267.8	4228.7	4213.1	4216.9	4220.9	4205.3
15°	4252.1	4240.4	4252.1	4244.3	4248.3	4236.5	4193.6	4177.9	4177.9	4185.7	4158.4
17.5°	4205.3	4189.6	4205.3	4201.3	4197.4	4189.6	4150.6	4134.9	4130.9	4134.9	4115.4
20°	4150.6	4138.8	4150.6	4146.6	4146.6	4130.9	4091.9	4072.4	4072.4	4072.4	4052.9
22.5°	4064.6	4052.9	4064.6	4072.4	4072.4	4068.4	4033.2	4005.9	3998.1	3998.1	3974.7
25°	3966.9	3955.1	3966.9	3966.9	3962.9	3966.9	3955.1	3939.5	3927.7	3916.0	3892.6
27.5°	3873.0	3865.2	3873.0	3865.2	3873.0	3861.3	3857.4	3853.5	3837.9	3826.2	3794.9
30°	3779.2	3771.4	3779.2	3771.4	3763.7	3755.8	3736.2	3728.5	3744.0	3736.2	3685.5
32.5°	3662.0	3654.2	3662.0	3662.0	3654.2	3654.2	3623.0	3611.2	3615.1	3638.5	3591.6
35°	3540.8	3529.1	3540.8	3537.0	3540.8	3529.1	3509.6	3505.6	3490.0	3517.4	3482.3
37.5°	3400.1	3388.4	3400.1	3400.1	3400.1	3408.0	3392.3	3380.6	3357.1	3392.3	3365.0
40°	3255.6	3239.9	3255.6	3251.6	3255.6	3263.4	3255.6	3247.7	3224.3	3251.6	3228.2
42.5°	3091.4	3087.5	3091.4	3095.3	3095.3	3110.9	3122.7	3107.0	3099.2	3079.7	3095.3
45°	2915.5	2907.7	2915.5	2923.4	2927.2	2935.0	2970.2	2970.2	2958.5	2927.2	2950.7
47.5°	2728.0	2708.4	2728.0	2751.4	2751.4	2763.1	2798.3	2825.7	2806.1	2767.0	2778.7
50°	2528.6	2532.5	2528.6	2544.3	2544.3	2587.3	2614.6	2642.0	2661.5	2614.6	2559.9
52.5°	2333.2	2329.3	2333.2	2344.9	2360.6	2380.1	2427.0	2454.4	2485.6	2458.3	2372.3
55°	2137.7	2145.6	2137.7	2141.7	2149.5	2161.2	2231.6	2258.9	2317.6	2282.4	2192.5
57.5°	1942.4	1930.7	1942.4	1950.2	1954.2	1965.8	2024.5	2075.2	2110.4	2114.4	2004.9
60°	1715.7	1700.1	1715.7	1750.8	1758.7	1766.5	1821.2	1868.2	1899.4	1911.2	1797.8
62.5°	1516.4	1489.1	1516.4	1539.8	1555.5	1575.0	1614.1	1684.5	1711.8	1715.7	1555.5
65°	1305.4	1293.6	1305.4	1352.2	1356.1	1379.6	1422.6	1473.4	1532.0	1524.2	1293.6
67.5°	1113.9	1113.9	1113.9	1145.1	1168.5	1180.2	1235.0	1258.4	1332.7	1340.6	1078.7
70°	938.0	934.0	938.0	961.4	977.0	1004.4	1055.2	1082.5	1141.2	1160.7	875.5
72.5°	770.0	766.0	770.0	789.5	805.1	828.5	871.5	902.8	953.6	977.0	680.0
75°	621.4	613.6	621.4	637.1	633.1	664.4	699.6	730.8	777.8	793.3	504.1
77.5°	476.8	476.8	476.8	492.4	492.4	523.7	539.3	578.4	605.8	629.3	371.3
80°	355.7	351.7	355.7	359.6	359.6	375.2	402.6	429.9	453.4	453.4	254.0
82.5°	250.1	242.3	250.1	250.1	250.1	257.9	273.6	281.4	297.0	308.7	160.2
85°	156.3	156.3	156.3	160.2	156.3	164.2	168.0	175.9	175.9	168.0	97.7
87.5°	101.7	97.7	101.7	97.7	97.7	93.8	93.8	93.8	89.9	86.0	54.7
90°	70.1	70.1	70.1	70.1	70.1	93.5	124.6	140.2	120.5	81.1	51.7
92.5°	280.8	225.1	280.8	336.6	350.5	496.8	692.0	789.6	693.3	500.6	356.0
95°	978.8	809.9	978.8	1147.8	1190.0	1562.7	2059.6	2308.0	1949.3	1231.8	693.7
97.5°	2345.3	2023.9	2345.3	2666.7	2747.1	2982.6	3296.7	3453.7	2855.6	1659.2	762.0
100°	3379.1	2996.2	3379.1	3762.0	3857.7	3840.5	3817.5	3806.1	3142.3	1814.8	819.2
102.5°	4396.1	4068.0	4396.1	4724.0	4806.1	4505.9	4105.8	3905.7	3232.5	1886.1	876.4
105°	5692.7	5516.4	5692.7	5868.9	5912.9	5240.2	4343.1	3894.6	3242.8	1939.1	961.3
107.5°	6541.9	6584.5	6541.9	6499.2	6488.6	5550.1	4298.9	3673.2	3098.4	1948.8	1086.7
110°	6865.8	7049.5	6865.8	6682.1	6636.2	5587.1	4188.2	3488.8	2970.5	1934.1	1156.8



TEST NUMBER: P936078

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6894.7	7176.8	6894.7	6612.6	6542.1	5468.4	4036.7	3320.8	2858.8	1934.7	1241.7
115°	6711.8	7102.9	6711.8	6320.8	6222.9	5188.5	3809.4	3119.8	2730.7	1952.6	1369.0
117.5°	6324.2	6757.9	6324.2	5890.5	5782.0	4848.5	3603.7	2981.4	2650.5	1988.8	1492.5
120°	6011.7	6433.3	6011.7	5590.3	5484.9	4631.9	3494.7	2926.1	2623.5	2018.3	1564.5
122.5°	5707.7	6123.4	5707.7	5291.9	5187.9	4419.8	3395.7	2883.7	2609.4	2060.8	1649.4
125°	5273.6	5656.6	5273.6	4890.7	4794.9	4142.5	3272.5	2837.5	2597.7	2118.0	1758.2
127.5°	4883.4	5206.4	4883.4	4560.2	4479.5	3919.3	3172.3	2798.8	2590.9	2175.1	1863.3
130°	4653.3	4951.8	4653.3	4354.9	4280.2	3781.5	3116.5	2784.0	2595.0	2216.9	1933.4
132.5°	4444.6	4711.9	4444.6	4177.4	4110.5	3664.1	3068.7	2771.1	2597.6	2250.7	1990.6
135°	4158.7	4389.1	4158.7	3928.2	3870.6	3496.8	2998.2	2749.0	2595.3	2287.7	2057.1
137.5°	3929.3	4117.8	3929.3	3740.7	3693.6	3377.4	2955.9	2745.2	2611.1	2343.0	2142.0
140°	3771.8	3948.1	3771.8	3595.5	3551.5	3278.4	2914.3	2732.3	2613.8	2376.9	2199.2
142.5°	3641.5	3793.1	3641.5	3489.8	3451.9	3212.0	2892.2	2732.3	2623.3	2405.1	2241.6
145°	3446.0	3560.7	3446.0	3331.1	3302.4	3106.2	2844.6	2713.9	2623.3	2442.0	2306.2
147.5°	3295.9	3391.0	3295.9	3200.8	3177.0	3022.6	2816.8	2713.9	2641.3	2496.2	2387.3
150°	3201.3	3278.4	3201.3	3124.2	3105.0	2974.7	2800.8	2713.9	2650.8	2524.5	2429.8
152.5°	3120.6	3178.8	3120.6	3062.4	3047.8	2936.5	2788.1	2713.9	2656.9	2542.9	2457.4
155°	3027.7	3066.3	3027.7	2989.3	2979.6	2891.1	2772.9	2713.9	2670.4	2583.5	2518.3
157.5°	2954.4	2981.4	2954.4	2927.3	2920.5	2851.6	2759.8	2713.9	2683.9	2624.0	2579.2
160°	2910.5	2926.1	2910.5	2894.9	2891.0	2831.9	2753.2	2713.9	2690.1	2642.6	2606.9
162.5°	2881.8	2896.6	2881.8	2867.0	2863.3	2813.6	2747.1	2713.9	2696.6	2662.2	2636.4
165°	2840.4	2855.9	2840.4	2824.8	2820.8	2785.2	2737.6	2713.9	2706.1	2690.5	2678.9
167.5°	2810.6	2817.2	2810.6	2804.1	2802.4	2779.0	2747.9	2732.3	2725.8	2712.7	2702.8
170°	2802.4	2802.4	2802.4	2802.4	2802.4	2779.0	2747.9	2732.3	2731.9	2731.1	2730.5
172.5°	2780.5	2774.8	2780.5	2786.2	2787.7	2769.3	2744.6	2732.3	2732.3	2732.3	2732.3
175°	2767.4	2767.4	2767.4	2767.4	2767.4	2755.7	2740.1	2732.3	2736.1	2743.4	2749.0
177.5°	2755.5	2749.0	2755.5	2762.0	2763.7	2754.5	2742.2	2736.1	2738.9	2744.6	2749.0
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0



TEST NUMBER: P936078

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	4189.6	4166.1	4166.1	4127.1	4111.4	4099.7	4080.2	4021.6	4005.9	3990.2	4013.7
5°	4224.8	4181.8	4150.6	4080.2	4021.6	3998.1	3923.9	3783.2	3689.3	3619.0	3580.0
7.5°	4232.6	4177.9	4119.2	4009.9	3869.2	3806.7	3580.0	3322.0	3251.6	3189.1	3150.0
10°	4224.8	4162.3	4080.2	3916.0	3583.8	3474.4	3247.7	3079.7	3036.7	3024.9	3036.7
12.5°	4197.4	4138.8	4025.4	3751.9	3286.8	3212.6	3079.7	2982.0	2974.2	2993.7	3099.2
15°	4150.6	4095.8	3962.9	3533.0	3122.7	3067.9	2974.2	2939.0	2982.0	3118.7	3435.3
17.5°	4103.6	4041.1	3877.0	3318.1	2997.6	2958.5	2892.0	2962.4	3204.7	3388.4	3494.0
20°	4041.1	3966.9	3779.2	3161.7	2907.7	2872.5	2841.3	3157.9	3341.6	3408.0	3466.6
22.5°	3966.9	3888.7	3646.3	3052.4	2813.9	2786.5	2806.1	3267.3	3341.6	3388.4	3439.3
25°	3869.2	3802.7	3490.0	2966.4	2739.7	2708.4	2782.7	3255.6	3298.6	3310.3	3411.9
27.5°	3779.2	3693.3	3325.9	2888.2	2649.8	2638.0	2802.2	3204.7	3236.1	3247.7	3357.1
30°	3669.8	3540.8	3142.2	2806.1	2556.0	2552.1	2806.1	3142.2	3134.4	3165.7	3275.1
32.5°	3556.5	3314.1	2935.0	2704.5	2466.1	2462.1	2778.7	3048.4	3040.6	3083.6	3165.7
35°	3451.0	3138.3	2653.7	2587.3	2352.8	2356.6	2712.3	2939.0	2942.9	2982.0	3032.7
37.5°	3341.6	2985.9	2344.9	2458.3	2243.3	2243.3	2622.4	2837.4	2829.5	2841.3	2911.7
40°	3212.6	2747.5	2071.4	2290.2	2141.7	2130.0	2513.0	2728.0	2700.6	2696.7	2794.4
42.5°	3075.7	2485.6	1868.2	2067.4	2024.5	2008.8	2380.1	2595.1	2544.3	2556.0	2681.0
45°	2927.2	2415.3	1711.8	1747.0	1903.3	1891.5	2235.5	2442.6	2407.4	2438.8	2567.7
47.5°	2778.7	2274.6	1661.0	1449.9	1774.3	1770.5	2075.2	2294.1	2274.6	2305.9	2442.6
50°	2575.5	2118.2	1657.1	1242.9	1629.8	1645.3	1883.8	2149.5	2149.5	2176.9	2321.4
52.5°	2313.6	1926.7	1504.6	1125.5	1461.6	1508.6	1715.7	2024.5	2032.2	2059.7	2188.6
55°	2075.2	1727.5	1395.2	1035.7	1262.4	1363.9	1551.6	1895.5	1911.2	1938.5	2055.7
57.5°	1856.4	1438.2	1371.8	930.2	1078.7	1176.4	1406.9	1770.5	1778.3	1801.7	1915.0
60°	1621.9	1039.5	1258.4	816.8	918.5	992.7	1274.1	1621.9	1649.3	1664.9	1762.6
62.5°	1356.1	754.3	1141.2	738.6	840.3	855.9	1164.7	1481.2	1516.4	1528.1	1586.8
65°	965.3	633.1	969.2	672.3	758.2	762.1	1047.4	1336.6	1367.9	1387.4	1430.4
67.5°	652.6	515.9	738.6	609.6	695.6	699.6	934.0	1168.5	1211.5	1227.2	1254.6
70°	453.4	343.9	547.1	543.3	625.3	633.1	813.0	1016.2	1055.2	1067.0	1082.5
72.5°	332.2	277.5	453.4	488.6	551.1	558.9	687.8	844.2	883.3	895.0	902.8
75°	254.0	293.1	367.4	426.0	468.9	472.9	562.8	687.8	715.2	723.0	726.9
77.5°	203.2	273.6	269.7	343.9	383.0	375.2	441.6	531.6	554.9	554.9	554.9
80°	152.4	214.9	203.2	246.2	281.4	273.6	316.6	379.1	386.9	394.7	390.9
82.5°	113.3	136.8	136.8	156.3	187.6	179.7	211.0	246.2	246.2	246.2	254.0
85°	70.3	78.2	62.5	82.0	105.5	101.7	117.2	132.9	136.8	136.8	129.0
87.5°	43.0	35.2	19.5	31.3	46.9	46.9	54.7	58.7	54.7	54.7	54.7
90°	48.0	33.2	18.4	33.2	48.0	51.7	81.1	120.5	140.2	124.6	93.5
92.5°	324.7	199.2	73.8	199.2	324.7	356.0	500.6	693.3	789.6	692.0	496.8
95°	636.3	406.6	177.1	406.6	636.3	693.7	1231.8	1949.3	2308.0	2059.6	1562.7
97.5°	711.3	508.8	306.3	508.8	711.3	762.0	1659.2	2855.6	3453.7	3296.7	2982.6
100°	773.2	589.5	405.8	589.5	773.2	819.2	1814.8	3142.3	3806.1	3817.5	3840.5
102.5°	833.5	662.1	490.7	662.1	833.5	876.4	1886.1	3232.5	3905.7	4105.8	4505.9
105°	925.0	779.8	634.7	779.8	925.0	961.3	1939.1	3242.8	3894.6	4343.1	5240.2
107.5°	1052.9	917.6	782.3	917.6	1052.9	1086.7	1948.8	3098.4	3673.2	4298.9	5550.1
110°	1126.2	1004.0	881.9	1004.0	1126.2	1156.8	1934.1	2970.5	3488.8	4188.2	5587.1



TEST NUMBER: P936078

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1212.6	1096.1	979.7	1096.1	1212.6	1241.7	1934.7	2858.8	3320.8	4036.7	5468.4
115°	1342.1	1234.7	1127.3	1234.7	1342.1	1369.0	1952.6	2730.7	3119.8	3809.4	5188.5
117.5°	1468.2	1370.5	1273.0	1370.5	1468.2	1492.5	1988.8	2650.5	2981.4	3603.7	4848.5
120°	1541.5	1449.7	1357.8	1449.7	1541.5	1564.5	2018.3	2623.5	2926.1	3494.7	4631.9
122.5°	1626.2	1533.5	1440.8	1533.5	1626.2	1649.4	2060.8	2609.4	2883.7	3395.7	4419.8
125°	1737.1	1652.6	1568.2	1652.6	1737.1	1758.2	2118.0	2597.7	2837.5	3272.5	4142.5
127.5°	1842.0	1756.8	1671.5	1756.8	1842.0	1863.3	2175.1	2590.9	2798.8	3172.3	3919.3
130°	1910.5	1818.7	1726.9	1818.7	1910.5	1933.4	2216.9	2595.0	2784.0	3116.5	3781.5
132.5°	1967.7	1875.9	1784.1	1875.9	1967.7	1990.6	2250.7	2597.6	2771.1	3068.7	3664.1
135°	2036.2	1952.5	1868.9	1952.5	2036.2	2057.1	2287.7	2595.3	2749.0	2998.2	3496.8
137.5°	2121.3	2038.5	1955.6	2038.5	2121.3	2142.0	2343.0	2611.1	2745.2	2955.9	3377.4
140°	2180.1	2103.8	2027.6	2103.8	2180.1	2199.2	2376.9	2613.8	2732.3	2914.3	3278.4
142.5°	2223.9	2153.4	2082.9	2153.4	2223.9	2241.6	2405.1	2623.3	2732.3	2892.2	3212.0
145°	2290.8	2229.3	2167.8	2229.3	2290.8	2306.2	2442.0	2623.3	2713.9	2844.6	3106.2
147.5°	2372.3	2312.5	2252.6	2312.5	2372.3	2387.3	2496.2	2641.3	2713.9	2816.8	3022.6
150°	2416.3	2362.2	2308.0	2362.2	2416.3	2429.8	2524.5	2650.8	2713.9	2800.8	2974.7
152.5°	2447.2	2406.2	2365.2	2406.2	2447.2	2457.4	2542.9	2656.9	2713.9	2788.1	2936.5
155°	2510.8	2480.5	2450.1	2480.5	2510.8	2518.3	2583.5	2670.4	2713.9	2772.9	2891.1
157.5°	2571.8	2542.3	2512.8	2542.3	2571.8	2579.2	2624.0	2683.9	2713.9	2759.8	2851.6
160°	2601.2	2578.2	2555.2	2578.2	2601.2	2606.9	2642.6	2690.1	2713.9	2753.2	2831.9
162.5°	2632.0	2614.9	2597.6	2614.9	2632.0	2636.4	2662.2	2696.6	2713.9	2747.1	2813.6
165°	2674.9	2659.3	2643.8	2659.3	2674.9	2678.9	2690.5	2706.1	2713.9	2737.6	2785.2
167.5°	2700.9	2693.7	2686.3	2693.7	2700.9	2702.8	2712.7	2725.8	2732.3	2747.9	2779.0
170°	2728.7	2721.3	2713.9	2721.3	2728.7	2730.5	2731.1	2731.9	2732.3	2747.9	2779.0
172.5°	2731.9	2730.2	2728.7	2730.2	2731.9	2732.3	2732.3	2732.3	2732.3	2744.6	2769.3
175°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2743.4	2736.1	2732.3	2740.1	2755.7
177.5°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2744.6	2738.9	2736.1	2742.2	2754.5
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0



TEST NUMBER: P936078

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	3986.4	3974.7	3990.2	3947.3	3990.2	3974.7	3986.4	4013.7	3990.2	4005.9	4021.6
5°	3497.8	3478.3	3415.8	3365.0	3415.8	3478.3	3497.8	3580.0	3619.0	3689.3	3783.2
7.5°	3126.6	3110.9	3095.3	3064.0	3095.3	3110.9	3126.6	3150.0	3189.1	3251.6	3322.0
10°	3044.5	3048.4	3071.9	3067.9	3071.9	3048.4	3044.5	3036.7	3024.9	3036.7	3079.7
12.5°	3255.6	3290.7	3419.6	3411.9	3419.6	3290.7	3255.6	3099.2	2993.7	2974.2	2982.0
15°	3497.8	3509.6	3537.0	3540.8	3537.0	3509.6	3497.8	3435.3	3118.7	2982.0	2939.0
17.5°	3521.3	3525.2	3544.8	3544.8	3544.8	3525.2	3521.3	3494.0	3388.4	3204.7	2962.4
20°	3501.8	3509.6	3548.6	3556.5	3548.6	3509.6	3501.8	3466.6	3408.0	3341.6	3157.9
22.5°	3494.0	3509.6	3540.8	3537.0	3540.8	3509.6	3494.0	3439.3	3388.4	3341.6	3267.3
25°	3454.8	3454.8	3458.8	3462.6	3458.8	3454.8	3454.8	3411.9	3310.3	3298.6	3255.6
27.5°	3372.8	3380.6	3404.1	3400.1	3404.1	3380.6	3372.8	3357.1	3247.7	3236.1	3204.7
30°	3298.6	3290.7	3271.2	3255.6	3271.2	3290.7	3298.6	3275.1	3165.7	3134.4	3142.2
32.5°	3173.4	3153.9	3134.4	3122.7	3134.4	3153.9	3173.4	3165.7	3083.6	3040.6	3048.4
35°	3024.9	3028.9	3024.9	3013.2	3024.9	3028.9	3024.9	3032.7	2982.0	2942.9	2939.0
37.5°	2919.4	2927.2	2923.4	2907.7	2923.4	2927.2	2919.4	2911.7	2841.3	2829.5	2837.4
40°	2810.0	2813.9	2810.0	2798.3	2810.0	2813.9	2810.0	2794.4	2696.7	2700.6	2728.0
42.5°	2704.5	2700.6	2688.8	2681.0	2688.8	2700.6	2704.5	2681.0	2556.0	2544.3	2595.1
45°	2583.3	2587.3	2563.8	2552.1	2563.8	2587.3	2583.3	2567.7	2438.8	2407.4	2442.6
47.5°	2462.1	2462.1	2442.6	2430.9	2442.6	2462.1	2462.1	2442.6	2305.9	2274.6	2294.1
50°	2333.2	2329.3	2301.9	2298.1	2301.9	2329.3	2333.2	2321.4	2176.9	2149.5	2149.5
52.5°	2184.7	2184.7	2188.6	2196.4	2188.6	2184.7	2184.7	2188.6	2059.7	2032.2	2024.5
55°	2055.7	2059.7	2087.0	2094.8	2087.0	2059.7	2055.7	2055.7	1938.5	1911.2	1895.5
57.5°	1922.8	1922.8	1942.4	1942.4	1942.4	1922.8	1922.8	1915.0	1801.7	1778.3	1770.5
60°	1770.5	1778.3	1793.8	1790.0	1793.8	1778.3	1770.5	1762.6	1664.9	1649.3	1621.9
62.5°	1610.1	1618.0	1621.9	1614.1	1621.9	1618.0	1610.1	1586.8	1528.1	1516.4	1481.2
65°	1442.1	1449.9	1453.9	1446.1	1453.9	1449.9	1442.1	1430.4	1387.4	1367.9	1336.6
67.5°	1270.2	1266.2	1262.4	1278.0	1262.4	1266.2	1270.2	1254.6	1227.2	1211.5	1168.5
70°	1094.3	1094.3	1090.4	1098.2	1090.4	1094.3	1094.3	1082.5	1067.0	1055.2	1016.2
72.5°	906.7	902.8	918.5	906.7	918.5	902.8	906.7	902.8	895.0	883.3	844.2
75°	723.0	730.8	723.0	734.8	723.0	730.8	723.0	726.9	723.0	715.2	687.8
77.5°	551.1	558.9	551.1	551.1	551.1	558.9	551.1	554.9	554.9	554.9	531.6
80°	390.9	386.9	386.9	383.0	386.9	386.9	390.9	390.9	394.7	386.9	379.1
82.5°	250.1	246.2	246.2	254.0	246.2	246.2	250.1	254.0	246.2	246.2	246.2
85°	136.8	140.7	132.9	132.9	132.9	140.7	136.8	129.0	136.8	136.8	132.9
87.5°	50.8	46.9	46.9	46.9	46.9	46.9	50.8	54.7	54.7	54.7	58.7
90°	70.1	70.1	70.1	70.1	70.1	70.1	70.1	93.5	124.6	140.2	120.5
92.5°	350.5	336.6	280.8	225.1	280.8	336.6	350.5	496.8	692.0	789.6	693.3
95°	1190.0	1147.8	978.8	809.9	978.8	1147.8	1190.0	1562.7	2059.6	2308.0	1949.3
97.5°	2747.1	2666.7	2345.3	2023.9	2345.3	2666.7	2747.1	2982.6	3296.7	3453.7	2855.6
100°	3857.7	3762.0	3379.1	2996.2	3379.1	3762.0	3857.7	3840.5	3817.5	3806.1	3142.3
102.5°	4806.1	4724.0	4396.1	4068.0	4396.1	4724.0	4806.1	4505.9	4105.8	3905.7	3232.5
105°	5912.9	5868.9	5692.7	5516.4	5692.7	5868.9	5912.9	5240.2	4343.1	3894.6	3242.8
107.5°	6488.6	6499.2	6541.9	6584.5	6541.9	6499.2	6488.6	5550.1	4298.9	3673.2	3098.4
110°	6636.2	6682.1	6865.8	7049.5	6865.8	6682.1	6636.2	5587.1	4188.2	3488.8	2970.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6542.1	6612.6	6894.7	7176.8	6894.7	6612.6	6542.1	5468.4	4036.7	3320.8	2858.8
115°	6222.9	6320.8	6711.8	7102.9	6711.8	6320.8	6222.9	5188.5	3809.4	3119.8	2730.7
117.5°	5782.0	5890.5	6324.2	6757.9	6324.2	5890.5	5782.0	4848.5	3603.7	2981.4	2650.5
120°	5484.9	5590.3	6011.7	6433.3	6011.7	5590.3	5484.9	4631.9	3494.7	2926.1	2623.5
122.5°	5187.9	5291.9	5707.7	6123.4	5707.7	5291.9	5187.9	4419.8	3395.7	2883.7	2609.4
125°	4794.9	4890.7	5273.6	5656.6	5273.6	4890.7	4794.9	4142.5	3272.5	2837.5	2597.7
127.5°	4479.5	4560.2	4883.4	5206.4	4883.4	4560.2	4479.5	3919.3	3172.3	2798.8	2590.9
130°	4280.2	4354.9	4653.3	4951.8	4653.3	4354.9	4280.2	3781.5	3116.5	2784.0	2595.0
132.5°	4110.5	4177.4	4444.6	4711.9	4444.6	4177.4	4110.5	3664.1	3068.7	2771.1	2597.6
135°	3870.6	3928.2	4158.7	4389.1	4158.7	3928.2	3870.6	3496.8	2998.2	2749.0	2595.3
137.5°	3693.6	3740.7	3929.3	4117.8	3929.3	3740.7	3693.6	3377.4	2955.9	2745.2	2611.1
140°	3551.5	3595.5	3771.8	3948.1	3771.8	3595.5	3551.5	3278.4	2914.3	2732.3	2613.8
142.5°	3451.9	3489.8	3641.5	3793.1	3641.5	3489.8	3451.9	3212.0	2892.2	2732.3	2623.3
145°	3302.4	3331.1	3446.0	3560.7	3446.0	3331.1	3302.4	3106.2	2844.6	2713.9	2623.3
147.5°	3177.0	3200.8	3295.9	3391.0	3295.9	3200.8	3177.0	3022.6	2816.8	2713.9	2641.3
150°	3105.0	3124.2	3201.3	3278.4	3201.3	3124.2	3105.0	2974.7	2800.8	2713.9	2650.8
152.5°	3047.8	3062.4	3120.6	3178.8	3120.6	3062.4	3047.8	2936.5	2788.1	2713.9	2656.9
155°	2979.6	2989.3	3027.7	3066.3	3027.7	2989.3	2979.6	2891.1	2772.9	2713.9	2670.4
157.5°	2920.5	2927.3	2954.4	2981.4	2954.4	2927.3	2920.5	2851.6	2759.8	2713.9	2683.9
160°	2891.0	2894.9	2910.5	2926.1	2910.5	2894.9	2891.0	2831.9	2753.2	2713.9	2690.1
162.5°	2863.3	2867.0	2881.8	2896.6	2881.8	2867.0	2863.3	2813.6	2747.1	2713.9	2696.6
165°	2820.8	2824.8	2840.4	2855.9	2840.4	2824.8	2820.8	2785.2	2737.6	2713.9	2706.1
167.5°	2802.4	2804.1	2810.6	2817.2	2810.6	2804.1	2802.4	2779.0	2747.9	2732.3	2725.8
170°	2802.4	2802.4	2802.4	2802.4	2802.4	2802.4	2802.4	2779.0	2747.9	2732.3	2731.9
172.5°	2787.7	2786.2	2780.5	2774.8	2780.5	2786.2	2787.7	2769.3	2744.6	2732.3	2732.3
175°	2767.4	2767.4	2767.4	2767.4	2767.4	2767.4	2767.4	2755.7	2740.1	2732.3	2736.1
177.5°	2763.7	2762.0	2755.5	2749.0	2755.5	2762.0	2763.7	2754.5	2742.2	2736.1	2738.9
180°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0



TEST NUMBER: P936078

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	4080.2	4099.7	4111.4	4127.1	4166.1
5°	3923.9	3998.1	4021.6	4080.2	4150.6
7.5°	3580.0	3806.7	3869.2	4009.9	4119.2
10°	3247.7	3474.4	3583.8	3916.0	4080.2
12.5°	3079.7	3212.6	3286.8	3751.9	4025.4
15°	2974.2	3067.9	3122.7	3533.0	3962.9
17.5°	2892.0	2958.5	2997.6	3318.1	3877.0
20°	2841.3	2872.5	2907.7	3161.7	3779.2
22.5°	2806.1	2786.5	2813.9	3052.4	3646.3
25°	2782.7	2708.4	2739.7	2966.4	3490.0
27.5°	2802.2	2638.0	2649.8	2888.2	3325.9
30°	2806.1	2552.1	2556.0	2806.1	3142.2
32.5°	2778.7	2462.1	2466.1	2704.5	2935.0
35°	2712.3	2356.6	2352.8	2587.3	2653.7
37.5°	2622.4	2243.3	2243.3	2458.3	2344.9
40°	2513.0	2130.0	2141.7	2290.2	2071.4
42.5°	2380.1	2008.8	2024.5	2067.4	1868.2
45°	2235.5	1891.5	1903.3	1747.0	1711.8
47.5°	2075.2	1770.5	1774.3	1449.9	1661.0
50°	1883.8	1645.3	1629.8	1242.9	1657.1
52.5°	1715.7	1508.6	1461.6	1125.5	1504.6
55°	1551.6	1363.9	1262.4	1035.7	1395.2
57.5°	1406.9	1176.4	1078.7	930.2	1371.8
60°	1274.1	992.7	918.5	816.8	1258.4
62.5°	1164.7	855.9	840.3	738.6	1141.2
65°	1047.4	762.1	758.2	672.3	969.2
67.5°	934.0	699.6	695.6	609.6	738.6
70°	813.0	633.1	625.3	543.3	547.1
72.5°	687.8	558.9	551.1	488.6	453.4
75°	562.8	472.9	468.9	426.0	367.4
77.5°	441.6	375.2	383.0	343.9	269.7
80°	316.6	273.6	281.4	246.2	203.2
82.5°	211.0	179.7	187.6	156.3	136.8
85°	117.2	101.7	105.5	82.0	62.5
87.5°	54.7	46.9	46.9	31.3	19.5
90°	81.1	51.7	48.0	33.2	18.4
92.5°	500.6	356.0	324.7	199.2	73.8
95°	1231.8	693.7	636.3	406.6	177.1
97.5°	1659.2	762.0	711.3	508.8	306.3
100°	1814.8	819.2	773.2	589.5	405.8
102.5°	1886.1	876.4	833.5	662.1	490.7
105°	1939.1	961.3	925.0	779.8	634.7
107.5°	1948.8	1086.7	1052.9	917.6	782.3
110°	1934.1	1156.8	1126.2	1004.0	881.9



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CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1934.7	1241.7	1212.6	1096.1	979.7
115°	1952.6	1369.0	1342.1	1234.7	1127.3
117.5°	1988.8	1492.5	1468.2	1370.5	1273.0
120°	2018.3	1564.5	1541.5	1449.7	1357.8
122.5°	2060.8	1649.4	1626.2	1533.5	1440.8
125°	2118.0	1758.2	1737.1	1652.6	1568.2
127.5°	2175.1	1863.3	1842.0	1756.8	1671.5
130°	2216.9	1933.4	1910.5	1818.7	1726.9
132.5°	2250.7	1990.6	1967.7	1875.9	1784.1
135°	2287.7	2057.1	2036.2	1952.5	1868.9
137.5°	2343.0	2142.0	2121.3	2038.5	1955.6
140°	2376.9	2199.2	2180.1	2103.8	2027.6
142.5°	2405.1	2241.6	2223.9	2153.4	2082.9
145°	2442.0	2306.2	2290.8	2229.3	2167.8
147.5°	2496.2	2387.3	2372.3	2312.5	2252.6
150°	2524.5	2429.8	2416.3	2362.2	2308.0
152.5°	2542.9	2457.4	2447.2	2406.2	2365.2
155°	2583.5	2518.3	2510.8	2480.5	2450.1
157.5°	2624.0	2579.2	2571.8	2542.3	2512.8
160°	2642.6	2606.9	2601.2	2578.2	2555.2
162.5°	2662.2	2636.4	2632.0	2614.9	2597.6
165°	2690.5	2678.9	2674.9	2659.3	2643.8
167.5°	2712.7	2702.8	2700.9	2693.7	2686.3
170°	2731.1	2730.5	2728.7	2721.3	2713.9
172.5°	2732.3	2732.3	2731.9	2730.2	2728.7
175°	2743.4	2749.0	2749.0	2749.0	2749.0
177.5°	2744.6	2749.0	2749.0	2749.0	2749.0
180°	2749.0	2749.0	2749.0	2749.0	2749.0



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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	12.39	13.15	13.45	14.21	15.65	15.24	16.00	16.30	17.06	18.50
	3H	12.86	13.54	13.93	14.61	16.07	16.59	17.27	17.65	18.34	19.79
	4H	13.05	13.69	14.12	14.76	16.23	17.03	17.68	18.11	18.75	20.21
	6H	13.16	13.75	14.25	14.83	16.30	17.32	17.91	18.40	18.98	20.46
	8H	13.16	13.72	14.25	14.81	16.28	17.39	17.95	18.48	19.05	20.52
	12H	13.13	13.66	14.22	14.75	16.24	17.43	17.96	18.52	19.05	20.54
4H	2H	13.42	14.06	14.50	15.13	16.60	15.64	16.28	16.72	17.35	18.82
	3H	14.43	14.97	15.53	16.07	17.55	17.14	17.68	18.23	18.78	20.25
	4H	14.71	15.20	15.80	16.29	17.78	17.67	18.16	18.77	19.25	20.75
	6H	14.82	15.25	15.93	16.36	17.85	18.03	18.46	19.14	19.57	21.06
	8H	14.83	15.22	15.93	16.33	17.83	18.14	18.54	19.25	19.64	21.15
	12H	14.79	15.15	15.91	16.26	17.78	18.20	18.55	19.32	19.67	21.18
8H	4H	15.15	15.55	16.26	16.65	18.16	17.78	18.18	18.89	19.28	20.79
	6H	15.41	15.74	16.54	16.88	18.39	18.22	18.55	19.35	19.69	21.20
	8H	15.45	15.74	16.59	16.87	18.39	18.38	18.66	19.51	19.79	21.31
	12H	15.43	15.68	16.57	16.81	18.37	18.47	18.73	19.61	19.85	21.41
12H	4H	15.16	15.51	16.28	16.63	18.14	17.74	18.10	18.87	19.22	20.73
	6H	15.47	15.76	16.61	16.88	18.41	18.22	18.50	19.35	19.63	21.15
	8H	15.53	15.79	16.67	16.91	18.47	18.38	18.63	19.52	19.75	21.31