

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: P936027

Luminaire Tested: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

**Test Information**

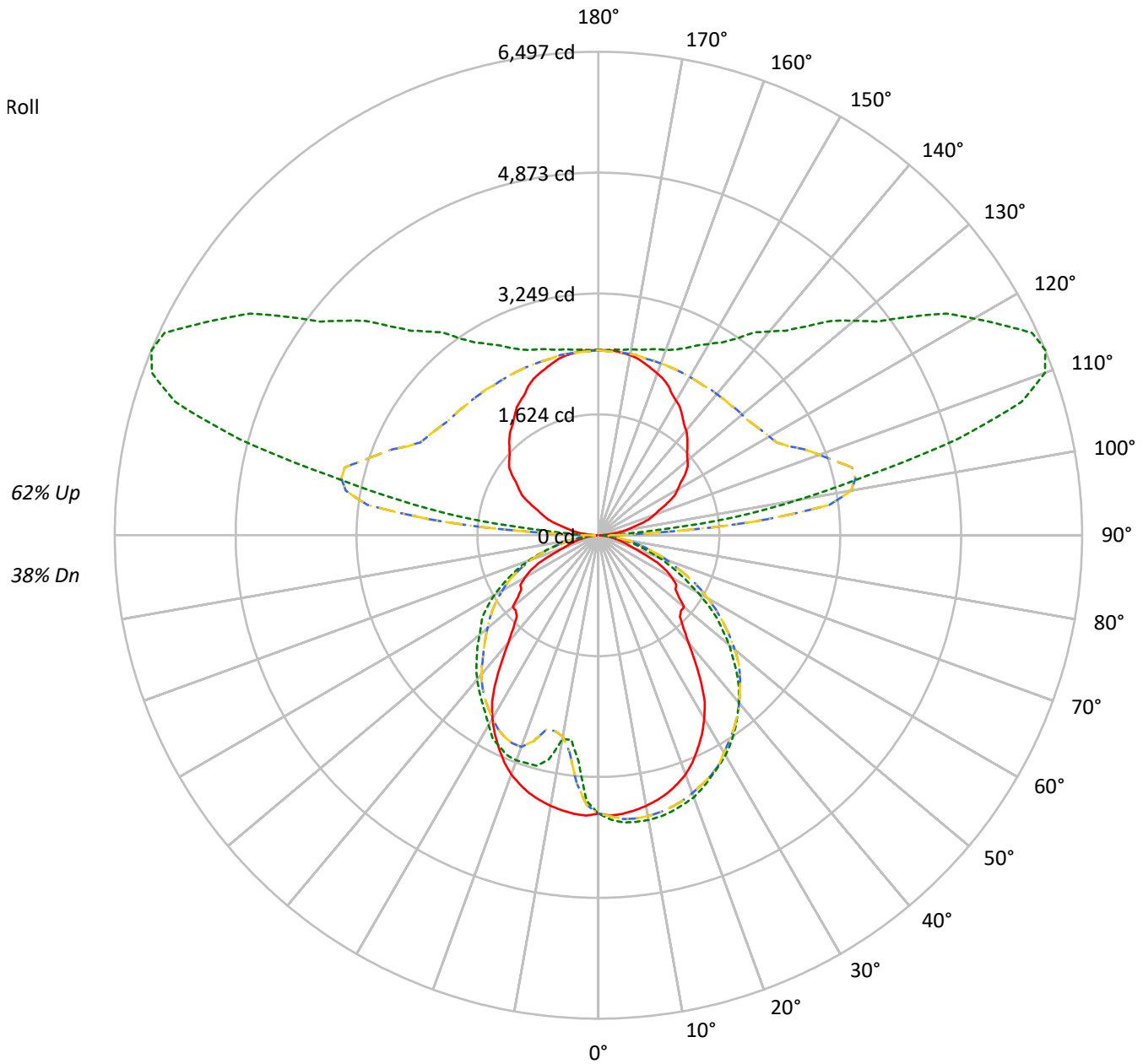
Test Method: LM-79-2019  
Report Number: P936027  
REPORT IS A COMBINATION OF REPORTS P933777 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25838.7 lumens  
Efficiency: N/A  
Efficacy: 119.0 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-12-3500K

### 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°	11567	11567	11567	11567
5°	11658	11677	11658	9181
10°	11584	11502	11584	8223
15°	11463	11253	11463	9396
20°	11227	10958	11227	9416
25°	10741	10527	10741	9216
30°	10111	10170	10111	8779
35°	9019	9717	9019	8297
40°	7519	9185	7519	7933
45°	6723	8562	6723	7515
50°	7147	7819	7147	7095
55°	6731	7018	6731	6852
60°	6948	5961	6948	6276
65°	6309	4927	6309	5508
70°	4379	3927	4379	4617
75°	3855	2903	3855	3476
80°	3130	1919	3130	2089
85°	1834	1016	1834	864

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10297 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	337.6	1.3
10°-20°	958.5	3.7
20°-30°	1481.6	5.7
30°-40°	1768.8	6.8
40°-50°	1779.1	6.9
50°-60°	1548.0	6.0
60°-70°	1097.6	4.2
70°-80°	580.7	2.2
80°-90°	154.1	0.6
90°-100°	1213.1	4.7
100°-110°	3189.2	12.3
110°-120°	3306.9	12.8
120°-130°	2652.5	10.3
130°-140°	2081.3	8.1
140°-150°	1597.5	6.2
150°-160°	1150.4	4.5
160°-170°	703.9	2.7
170°-180°	237.8	0.9
0°-30°	2777.7	10.8
0°-40°	4546.5	17.6
0°-60°	7873.6	30.5
0°-90°	9706.0	37.6
90°-120°	7709.2	29.8
90°-150°	14040.5	54.3
90°-180°	16133.0	62.4
0°-180°	25838.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3740	3740	3740	3740	3740	
5°	3758	3874	3758	3046	3758	356
15°	3588	3839	3588	3206	3588	1009
25°	3160	3581	3160	3135	3160	1451
35°	2402	3195	2402	2728	2402	1486
45°	1550	2632	1550	2310	1550	1241
55°	1263	1942	1263	1896	1263	1161
65°	877	1171	877	1309	877	839
75°	333	556	333	665	333	350
85°	57	142	57	120	57	76
90°	17	64	17	64	17	16
95°	160	733	160	733	160	178
105°	575	4994	575	4994	575	609
115°	1020	6430	1020	6430	1020	1008
125°	1420	5121	1420	5121	1420	1260
135°	1692	3973	1692	3973	1692	1309
145°	1962	3224	1962	3224	1962	1229
155°	2218	2776	2218	2776	2218	1019
165°	2393	2586	2393	2586	2393	675
175°	2489	2505	2489	2505	2489	236
180°	2489	2489	2489	2489	2489	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3771.6	3771.6	3792.8	3799.9	3799.9	3789.3	3778.6	3789.3	3821.1	3831.7	3828.2
5°	3757.5	3785.8	3824.7	3831.7	3838.8	3835.3	3828.2	3835.3	3870.7	3877.7	3881.3
7.5°	3729.1	3782.2	3831.7	3842.4	3853.0	3842.4	3838.8	3845.9	3881.3	3888.3	3888.3
10°	3693.8	3768.1	3824.7	3831.7	3842.4	3831.7	3831.7	3845.9	3881.3	3888.3	3891.9
12.5°	3644.2	3746.9	3799.9	3807.0	3821.1	3817.6	3814.1	3828.2	3863.6	3870.7	3870.7
15°	3587.6	3707.9	3757.5	3764.5	3789.3	3782.2	3782.2	3796.4	3835.3	3845.9	3842.4
17.5°	3509.8	3658.4	3715.0	3725.6	3743.3	3739.7	3743.3	3757.5	3792.8	3799.9	3803.5
20°	3421.3	3591.2	3658.4	3669.0	3686.7	3686.7	3686.7	3704.4	3739.7	3753.9	3753.9
22.5°	3301.0	3520.4	3591.2	3598.2	3619.5	3619.5	3626.5	3651.3	3683.1	3686.7	3686.7
25°	3159.5	3442.6	3502.7	3524.0	3545.1	3555.8	3566.4	3580.6	3591.2	3587.6	3591.2
27.5°	3010.9	3343.5	3421.3	3435.5	3463.8	3474.4	3488.5	3492.1	3495.6	3506.2	3499.2
30°	2844.6	3205.5	3322.2	3336.4	3382.4	3389.5	3375.4	3382.4	3400.1	3407.2	3414.3
32.5°	2657.1	3000.3	3219.7	3251.5	3293.9	3272.7	3269.2	3279.8	3308.1	3308.1	3315.2
35°	2402.4	2841.1	3124.2	3152.5	3184.2	3159.5	3173.6	3177.2	3194.9	3205.5	3202.0
37.5°	2122.8	2703.1	3025.1	3046.3	3071.1	3039.2	3060.4	3071.1	3085.3	3078.1	3078.1
40°	1875.2	2487.3	2908.3	2922.4	2943.7	2919.0	2940.1	2947.3	2954.3	2947.3	2943.7
42.5°	1691.2	2250.2	2784.4	2802.2	2788.0	2805.7	2812.7	2826.9	2816.3	2802.2	2802.2
45°	1549.7	2186.6	2650.0	2671.3	2650.0	2678.3	2688.9	2688.9	2657.1	2650.0	2646.5
47.5°	1503.7	2059.2	2515.6	2515.6	2505.0	2540.3	2558.1	2533.3	2501.4	2490.9	2490.9
50°	1500.1	1917.6	2331.6	2317.4	2367.0	2409.4	2391.8	2367.0	2342.2	2303.3	2303.3
52.5°	1362.1	1744.3	2094.5	2147.6	2225.5	2250.2	2221.9	2197.2	2154.7	2137.0	2122.8
55°	1263.1	1563.9	1878.7	1984.8	2066.2	2098.1	2045.0	2020.3	1956.5	1945.9	1938.9
57.5°	1241.9	1302.0	1680.6	1815.1	1914.1	1910.6	1878.7	1832.7	1779.6	1769.1	1765.5
60°	1139.3	941.1	1468.3	1627.5	1730.2	1719.5	1691.2	1648.8	1599.2	1592.2	1585.0
62.5°	1033.1	682.9	1227.7	1408.2	1553.2	1549.7	1525.0	1461.2	1425.9	1408.2	1394.0
65°	877.4	573.2	873.9	1171.1	1379.8	1387.0	1333.8	1287.9	1249.0	1227.7	1224.1
67.5°	668.7	467.0	590.8	976.5	1213.6	1206.5	1139.3	1118.0	1068.5	1057.8	1036.7
70°	495.3	311.3	410.4	792.6	1050.8	1033.1	980.0	955.3	909.3	884.5	870.4
72.5°	410.4	251.2	300.7	615.6	884.5	863.3	817.3	789.0	750.1	728.8	714.7
75°	332.6	265.4	229.9	456.4	718.2	704.1	661.6	633.3	601.4	573.2	576.7
77.5°	244.1	247.7	184.0	336.2	569.7	548.4	523.6	488.3	474.1	445.8	445.8
80°	184.0	194.6	138.0	229.9	410.4	410.4	389.2	364.5	339.6	325.5	325.5
82.5°	123.8	123.8	102.6	145.1	279.5	268.9	254.8	247.7	233.5	226.5	226.5
85°	56.6	70.8	63.6	88.5	152.1	159.2	159.2	152.1	148.6	141.5	145.1
87.5°	17.7	31.9	38.9	49.5	77.8	81.4	84.9	84.9	84.9	88.5	88.5
90°	16.7	30.1	43.5	46.8	73.5	109.1	126.9	112.8	84.6	63.5	63.5
92.5°	66.8	180.3	293.9	322.3	453.2	627.6	714.8	626.4	449.8	317.3	304.7
95°	160.3	368.1	576.0	628.0	1115.2	1764.7	2089.4	1864.5	1414.7	1077.3	1039.1
97.5°	277.2	460.6	643.9	689.8	1502.1	2585.1	3126.6	2984.5	2700.2	2486.9	2414.2
100°	367.4	533.7	700.0	741.6	1643.0	2844.7	3445.6	3456.0	3476.8	3492.4	3405.7
102.5°	444.3	599.4	754.5	793.4	1707.5	2926.4	3535.8	3717.0	4079.2	4350.9	4276.6
105°	574.6	706.0	837.4	870.2	1755.4	2935.6	3525.8	3931.8	4743.9	5353.0	5313.1
107.5°	708.2	830.7	953.1	983.8	1764.3	2805.0	3325.4	3891.7	5024.5	5874.1	5883.7
110°	798.4	909.0	1019.6	1047.2	1751.0	2689.2	3158.4	3791.6	5057.9	6007.7	6049.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	886.9	992.3	1097.7	1124.1	1751.5	2588.1	3006.3	3654.4	4950.5	5922.5	5986.4
115°	1020.5	1117.7	1215.0	1239.3	1767.7	2472.1	2824.3	3448.6	4697.1	5633.6	5722.1
117.5°	1152.5	1240.7	1329.1	1351.2	1800.4	2399.5	2699.0	3262.4	4389.3	5234.4	5332.6
120°	1229.2	1312.4	1395.5	1416.3	1827.2	2375.0	2648.9	3163.7	4193.3	4965.5	5060.9
122.5°	1304.4	1388.3	1472.2	1493.2	1865.7	2362.2	2610.6	3074.1	4001.3	4696.6	4790.7
125°	1419.7	1496.1	1572.6	1591.7	1917.4	2351.7	2568.8	2962.6	3750.2	4340.8	4427.5
127.5°	1513.2	1590.4	1667.6	1686.9	1969.1	2345.5	2533.7	2871.8	3548.1	4055.3	4128.4
130°	1563.3	1646.4	1729.5	1750.3	2007.0	2349.2	2520.3	2821.3	3423.4	3874.9	3942.4
132.5°	1615.1	1698.2	1781.3	1802.1	2037.6	2351.6	2508.6	2778.1	3317.1	3721.2	3781.8
135°	1691.9	1767.6	1843.3	1862.3	2071.1	2349.5	2488.6	2714.3	3165.6	3504.1	3556.2
137.5°	1770.4	1845.4	1920.4	1939.1	2121.1	2363.8	2485.2	2676.0	3057.6	3343.8	3386.4
140°	1835.6	1904.6	1973.7	1990.9	2151.7	2366.2	2473.5	2638.3	2968.0	3215.1	3255.0
142.5°	1885.7	1949.5	2013.3	2029.3	2177.4	2374.8	2473.5	2618.3	2907.8	3125.0	3159.3
145°	1962.5	2018.2	2073.8	2087.7	2210.8	2374.8	2456.8	2575.2	2812.0	2989.7	3015.6
147.5°	2039.3	2093.5	2147.6	2161.2	2259.8	2391.2	2456.8	2550.0	2736.3	2876.1	2897.6
150°	2089.4	2138.4	2187.5	2199.7	2285.4	2399.7	2456.8	2535.6	2692.9	2810.9	2828.4
152.5°	2141.2	2178.3	2215.4	2224.7	2302.1	2405.3	2456.8	2524.1	2658.4	2759.2	2772.4
155°	2218.1	2245.6	2273.0	2279.8	2338.8	2417.5	2456.8	2510.3	2617.3	2697.4	2706.2
157.5°	2274.8	2301.5	2328.2	2334.9	2375.5	2429.7	2456.8	2498.4	2581.5	2643.9	2650.1
160°	2313.2	2334.0	2354.8	2360.0	2392.3	2435.3	2456.8	2492.5	2563.7	2617.2	2620.7
162.5°	2351.6	2367.2	2382.8	2386.7	2410.1	2441.2	2456.8	2486.9	2547.1	2592.2	2595.5
165°	2393.4	2407.5	2421.6	2425.2	2435.7	2449.8	2456.8	2478.4	2521.4	2553.7	2557.3
167.5°	2431.9	2438.5	2445.2	2446.8	2455.8	2467.6	2473.5	2487.6	2515.8	2537.0	2538.5
170°	2456.8	2463.5	2470.2	2471.9	2472.5	2473.2	2473.5	2487.6	2515.8	2537.0	2537.0
172.5°	2470.2	2471.7	2473.2	2473.5	2473.5	2473.5	2473.5	2484.7	2507.0	2523.7	2522.4
175°	2488.6	2488.6	2488.6	2488.6	2483.6	2476.9	2473.5	2480.6	2494.7	2505.3	2505.3
177.5°	2488.6	2488.6	2488.6	2488.6	2484.7	2479.5	2476.9	2482.5	2493.6	2501.9	2500.4
180°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3835.3	3824.7	3835.3	3828.2	3831.7	3821.1	3789.3	3778.6	3789.3	3799.9	3799.9
5°	3881.3	3874.2	3881.3	3881.3	3877.7	3870.7	3835.3	3828.2	3835.3	3838.8	3831.7
7.5°	3895.4	3884.9	3895.4	3888.3	3888.3	3881.3	3845.9	3838.8	3842.4	3853.0	3842.4
10°	3895.4	3884.9	3895.4	3891.9	3888.3	3881.3	3845.9	3831.7	3831.7	3842.4	3831.7
12.5°	3877.7	3870.7	3877.7	3870.7	3870.7	3863.6	3828.2	3814.1	3817.6	3821.1	3807.0
15°	3849.4	3838.8	3849.4	3842.4	3845.9	3835.3	3796.4	3782.2	3782.2	3789.3	3764.5
17.5°	3807.0	3792.8	3807.0	3803.5	3799.9	3792.8	3757.5	3743.3	3739.7	3743.3	3725.6
20°	3757.5	3746.9	3757.5	3753.9	3753.9	3739.7	3704.4	3686.7	3686.7	3686.7	3669.0
22.5°	3679.6	3669.0	3679.6	3686.7	3686.7	3683.1	3651.3	3626.5	3619.5	3619.5	3598.2
25°	3591.2	3580.6	3591.2	3591.2	3587.6	3591.2	3580.6	3566.4	3555.8	3545.1	3524.0
27.5°	3506.2	3499.2	3506.2	3499.2	3506.2	3495.6	3492.1	3488.5	3474.4	3463.8	3435.5
30°	3421.3	3414.3	3421.3	3414.3	3407.2	3400.1	3382.4	3375.4	3389.5	3382.4	3336.4
32.5°	3315.2	3308.1	3315.2	3315.2	3308.1	3308.1	3279.8	3269.2	3272.7	3293.9	3251.5
35°	3205.5	3194.9	3205.5	3202.0	3205.5	3194.9	3177.2	3173.6	3159.5	3184.2	3152.5
37.5°	3078.1	3067.5	3078.1	3078.1	3078.1	3085.3	3071.1	3060.4	3039.2	3071.1	3046.3
40°	2947.3	2933.1	2947.3	2943.7	2947.3	2954.3	2947.3	2940.1	2919.0	2943.7	2922.4
42.5°	2798.6	2795.1	2798.6	2802.2	2802.2	2816.3	2826.9	2812.7	2805.7	2788.0	2802.2
45°	2639.4	2632.3	2639.4	2646.5	2650.0	2657.1	2688.9	2688.9	2678.3	2650.0	2671.3
47.5°	2469.6	2451.9	2469.6	2490.9	2490.9	2501.4	2533.3	2558.1	2540.3	2505.0	2515.6
50°	2289.1	2292.7	2289.1	2303.3	2303.3	2342.2	2367.0	2391.8	2409.4	2367.0	2317.4
52.5°	2112.2	2108.7	2112.2	2122.8	2137.0	2154.7	2197.2	2221.9	2250.2	2225.5	2147.6
55°	1935.3	1942.4	1935.3	1938.9	1945.9	1956.5	2020.3	2045.0	2098.1	2066.2	1984.8
57.5°	1758.5	1747.8	1758.5	1765.5	1769.1	1779.6	1832.7	1878.7	1910.6	1914.1	1815.1
60°	1553.2	1539.1	1553.2	1585.0	1592.2	1599.2	1648.8	1691.2	1719.5	1730.2	1627.5
62.5°	1372.8	1348.0	1372.8	1394.0	1408.2	1425.9	1461.2	1525.0	1549.7	1553.2	1408.2
65°	1181.7	1171.1	1181.7	1224.1	1227.7	1249.0	1287.9	1333.8	1387.0	1379.8	1171.1
67.5°	1008.4	1008.4	1008.4	1036.7	1057.8	1068.5	1118.0	1139.3	1206.5	1213.6	976.5
70°	849.1	845.6	849.1	870.4	884.5	909.3	955.3	980.0	1033.1	1050.8	792.6
72.5°	697.0	693.5	697.0	714.7	728.8	750.1	789.0	817.3	863.3	884.5	615.6
75°	562.5	555.5	562.5	576.7	573.2	601.4	633.3	661.6	704.1	718.2	456.4
77.5°	431.7	431.7	431.7	445.8	445.8	474.1	488.3	523.6	548.4	569.7	336.2
80°	322.0	318.4	322.0	325.5	325.5	339.6	364.5	389.2	410.4	410.4	229.9
82.5°	226.5	219.3	226.5	226.5	226.5	233.5	247.7	254.8	268.9	279.5	145.1
85°	141.5	141.5	141.5	145.1	141.5	148.6	152.1	159.2	159.2	152.1	88.5
87.5°	92.0	88.5	92.0	88.5	88.5	84.9	84.9	84.9	81.4	77.8	49.5
90°	63.5	63.5	63.5	63.5	63.5	84.6	112.8	126.9	109.1	73.5	46.8
92.5°	254.2	203.8	254.2	304.7	317.3	449.8	626.4	714.8	627.6	453.2	322.3
95°	886.1	733.2	886.1	1039.1	1077.3	1414.7	1864.5	2089.4	1764.7	1115.2	628.0
97.5°	2123.2	1832.2	2123.2	2414.2	2486.9	2700.2	2984.5	3126.6	2585.1	1502.1	689.8
100°	3059.1	2712.4	3059.1	3405.7	3492.4	3476.8	3456.0	3445.6	2844.7	1643.0	741.6
102.5°	3979.7	3682.8	3979.7	4276.6	4350.9	4079.2	3717.0	3535.8	2926.4	1707.5	793.4
105°	5153.5	4993.9	5153.5	5313.1	5353.0	4743.9	3931.8	3525.8	2935.6	1755.4	870.2
107.5°	5922.4	5960.9	5922.4	5883.7	5874.1	5024.5	3891.7	3325.4	2805.0	1764.3	983.8
110°	6215.6	6381.9	6215.6	6049.3	6007.7	5057.9	3791.6	3158.4	2689.2	1751.0	1047.2





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6241.7	6497.1	6241.7	5986.4	5922.5	4950.5	3654.4	3006.3	2588.1	1751.5	1124.1
115°	6076.2	6430.3	6076.2	5722.1	5633.6	4697.1	3448.6	2824.3	2472.1	1767.7	1239.3
117.5°	5725.3	6117.9	5725.3	5332.6	5234.4	4389.3	3262.4	2699.0	2399.5	1800.4	1351.2
120°	5442.4	5824.0	5442.4	5060.9	4965.5	4193.3	3163.7	2648.9	2375.0	1827.2	1416.3
122.5°	5167.1	5543.4	5167.1	4790.7	4696.6	4001.3	3074.1	2610.6	2362.2	1865.7	1493.2
125°	4774.2	5120.9	4774.2	4427.5	4340.8	3750.2	2962.6	2568.8	2351.7	1917.4	1591.7
127.5°	4420.9	4713.3	4420.9	4128.4	4055.3	3548.1	2871.8	2533.7	2345.5	1969.1	1686.9
130°	4212.6	4482.8	4212.6	3942.4	3874.9	3423.4	2821.3	2520.3	2349.2	2007.0	1750.3
132.5°	4023.7	4265.7	4023.7	3781.8	3721.2	3317.1	2778.1	2508.6	2351.6	2037.6	1802.1
135°	3764.8	3973.4	3764.8	3556.2	3504.1	3165.6	2714.3	2488.6	2349.5	2071.1	1862.3
137.5°	3557.2	3727.8	3557.2	3386.4	3343.8	3057.6	2676.0	2485.2	2363.8	2121.1	1939.1
140°	3414.6	3574.2	3414.6	3255.0	3215.1	2968.0	2638.3	2473.5	2366.2	2151.7	1990.9
142.5°	3296.6	3433.9	3296.6	3159.3	3125.0	2907.8	2618.3	2473.5	2374.8	2177.4	2029.3
145°	3119.6	3223.5	3119.6	3015.6	2989.7	2812.0	2575.2	2456.8	2374.8	2210.8	2087.7
147.5°	2983.8	3069.8	2983.8	2897.6	2876.1	2736.3	2550.0	2456.8	2391.2	2259.8	2161.2
150°	2898.2	2968.0	2898.2	2828.4	2810.9	2692.9	2535.6	2456.8	2399.7	2285.4	2199.7
152.5°	2825.1	2877.7	2825.1	2772.4	2759.2	2658.4	2524.1	2456.8	2405.3	2302.1	2224.7
155°	2741.0	2775.9	2741.0	2706.2	2697.4	2617.3	2510.3	2456.8	2417.5	2338.8	2279.8
157.5°	2674.6	2699.0	2674.6	2650.1	2643.9	2581.5	2498.4	2456.8	2429.7	2375.5	2334.9
160°	2634.8	2648.9	2634.8	2620.7	2617.2	2563.7	2492.5	2456.8	2435.3	2392.3	2360.0
162.5°	2608.9	2622.2	2608.9	2595.5	2592.2	2547.1	2486.9	2456.8	2441.2	2410.1	2386.7
165°	2571.4	2585.5	2571.4	2557.3	2553.7	2521.4	2478.4	2456.8	2449.8	2435.7	2425.2
167.5°	2544.4	2550.4	2544.4	2538.5	2537.0	2515.8	2487.6	2473.5	2467.6	2455.8	2446.8
170°	2537.0	2537.0	2537.0	2537.0	2537.0	2515.8	2487.6	2473.5	2473.2	2472.5	2471.9
172.5°	2517.2	2512.0	2517.2	2522.4	2523.7	2507.0	2484.7	2473.5	2473.5	2473.5	2473.5
175°	2505.3	2505.3	2505.3	2505.3	2505.3	2494.7	2480.6	2473.5	2476.9	2483.6	2488.6
177.5°	2494.5	2488.6	2494.5	2500.4	2501.9	2493.6	2482.5	2476.9	2479.5	2484.7	2488.6
180°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3792.8	3771.6	3771.6	3736.2	3722.0	3711.4	3693.8	3640.7	3626.5	3612.3	3633.6
5°	3824.7	3785.8	3757.5	3693.8	3640.7	3619.5	3552.3	3424.9	3339.9	3276.3	3240.9
7.5°	3831.7	3782.2	3729.1	3630.1	3502.7	3446.1	3240.9	3007.4	2943.7	2887.1	2851.7
10°	3824.7	3768.1	3693.8	3545.1	3244.4	3145.3	2940.1	2788.0	2749.1	2738.5	2749.1
12.5°	3799.9	3746.9	3644.2	3396.6	2975.5	2908.3	2788.0	2699.6	2692.5	2710.2	2805.7
15°	3757.5	3707.9	3587.6	3198.4	2826.9	2777.4	2692.5	2660.6	2699.6	2823.4	3110.0
17.5°	3715.0	3658.4	3509.8	3003.8	2713.7	2678.3	2618.1	2681.9	2901.2	3067.5	3163.1
20°	3658.4	3591.2	3421.3	2862.3	2632.3	2600.5	2572.2	2858.8	3025.1	3085.3	3138.3
22.5°	3591.2	3520.4	3301.0	2763.3	2547.4	2522.6	2540.3	2957.9	3025.1	3067.5	3113.5
25°	3502.7	3442.6	3159.5	2685.4	2480.2	2451.9	2519.2	2947.3	2986.2	2996.8	3088.7
27.5°	3421.3	3343.5	3010.9	2614.7	2398.8	2388.2	2536.8	2901.2	2929.6	2940.1	3039.2
30°	3322.2	3205.5	2844.6	2540.3	2313.9	2310.4	2540.3	2844.6	2837.5	2865.8	2964.9
32.5°	3219.7	3000.3	2657.1	2448.4	2232.5	2229.0	2515.6	2759.7	2752.7	2791.6	2865.8
35°	3124.2	2841.1	2402.4	2342.2	2130.0	2133.5	2455.4	2660.6	2664.2	2699.6	2745.5
37.5°	3025.1	2703.1	2122.8	2225.5	2030.9	2030.9	2374.0	2568.7	2561.6	2572.2	2635.9
40°	2908.3	2487.3	1875.2	2073.3	1938.9	1928.2	2275.0	2469.6	2444.8	2441.3	2529.8
42.5°	2784.4	2250.2	1691.2	1871.6	1832.7	1818.5	2154.7	2349.3	2303.3	2313.9	2427.1
45°	2650.0	2186.6	1549.7	1581.5	1723.0	1712.4	2023.7	2211.3	2179.4	2207.8	2324.6
47.5°	2515.6	2059.2	1503.7	1312.6	1606.3	1602.8	1878.7	2076.9	2059.2	2087.5	2211.3
50°	2331.6	1917.6	1500.1	1125.1	1475.4	1489.5	1705.4	1945.9	1945.9	1970.7	2101.6
52.5°	2094.5	1744.3	1362.1	1018.9	1323.2	1365.7	1553.2	1832.7	1839.8	1864.6	1981.3
55°	1878.7	1563.9	1263.1	937.6	1142.8	1234.8	1404.6	1716.0	1730.2	1754.9	1861.0
57.5°	1680.6	1302.0	1241.9	842.1	976.5	1065.0	1273.7	1602.8	1609.8	1631.1	1733.6
60°	1468.3	941.1	1139.3	739.4	831.5	898.7	1153.4	1468.3	1493.1	1507.2	1595.6
62.5°	1227.7	682.9	1033.1	668.7	760.7	774.9	1054.4	1340.9	1372.8	1383.4	1436.5
65°	873.9	573.2	877.4	608.6	686.4	689.9	948.2	1210.0	1238.3	1256.0	1294.9
67.5°	590.8	467.0	668.7	551.9	629.7	633.3	845.6	1057.8	1096.8	1111.0	1135.8
70°	410.4	311.3	495.3	491.8	566.1	573.2	736.0	919.9	955.3	965.9	980.0
72.5°	300.7	251.2	410.4	442.3	498.9	505.9	622.7	764.3	799.6	810.2	817.3
75°	229.9	265.4	332.6	385.6	424.5	428.1	509.5	622.7	647.5	654.6	658.0
77.5°	184.0	247.7	244.1	311.3	346.7	339.6	399.8	481.2	502.4	502.4	502.4
80°	138.0	194.6	184.0	222.9	254.8	247.7	286.6	343.2	350.3	357.3	353.8
82.5°	102.6	123.8	123.8	141.5	169.9	162.7	191.0	222.9	222.9	222.9	229.9
85°	63.6	70.8	56.6	74.3	95.5	92.0	106.1	120.3	123.8	123.8	116.8
87.5°	38.9	31.9	17.7	28.3	42.5	42.5	49.5	53.1	49.5	49.5	49.5
90°	43.5	30.1	16.7	30.1	43.5	46.8	73.5	109.1	126.9	112.8	84.6
92.5°	293.9	180.3	66.8	180.3	293.9	322.3	453.2	627.6	714.8	626.4	449.8
95°	576.0	368.1	160.3	368.1	576.0	628.0	1115.2	1764.7	2089.4	1864.5	1414.7
97.5°	643.9	460.6	277.2	460.6	643.9	689.8	1502.1	2585.1	3126.6	2984.5	2700.2
100°	700.0	533.7	367.4	533.7	700.0	741.6	1643.0	2844.7	3445.6	3456.0	3476.8
102.5°	754.5	599.4	444.3	599.4	754.5	793.4	1707.5	2926.4	3535.8	3717.0	4079.2
105°	837.4	706.0	574.6	706.0	837.4	870.2	1755.4	2935.6	3525.8	3931.8	4743.9
107.5°	953.1	830.7	708.2	830.7	953.1	983.8	1764.3	2805.0	3325.4	3891.7	5024.5
110°	1019.6	909.0	798.4	909.0	1019.6	1047.2	1751.0	2689.2	3158.4	3791.6	5057.9



TEST NUMBER: P936027

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1097.7	992.3	886.9	992.3	1097.7	1124.1	1751.5	2588.1	3006.3	3654.4	4950.5
115°	1215.0	1117.7	1020.5	1117.7	1215.0	1239.3	1767.7	2472.1	2824.3	3448.6	4697.1
117.5°	1329.1	1240.7	1152.5	1240.7	1329.1	1351.2	1800.4	2399.5	2699.0	3262.4	4389.3
120°	1395.5	1312.4	1229.2	1312.4	1395.5	1416.3	1827.2	2375.0	2648.9	3163.7	4193.3
122.5°	1472.2	1388.3	1304.4	1388.3	1472.2	1493.2	1865.7	2362.2	2610.6	3074.1	4001.3
125°	1572.6	1496.1	1419.7	1496.1	1572.6	1591.7	1917.4	2351.7	2568.8	2962.6	3750.2
127.5°	1667.6	1590.4	1513.2	1590.4	1667.6	1686.9	1969.1	2345.5	2533.7	2871.8	3548.1
130°	1729.5	1646.4	1563.3	1646.4	1729.5	1750.3	2007.0	2349.2	2520.3	2821.3	3423.4
132.5°	1781.3	1698.2	1615.1	1698.2	1781.3	1802.1	2037.6	2351.6	2508.6	2778.1	3317.1
135°	1843.3	1767.6	1691.9	1767.6	1843.3	1862.3	2071.1	2349.5	2488.6	2714.3	3165.6
137.5°	1920.4	1845.4	1770.4	1845.4	1920.4	1939.1	2121.1	2363.8	2485.2	2676.0	3057.6
140°	1973.7	1904.6	1835.6	1904.6	1973.7	1990.9	2151.7	2366.2	2473.5	2638.3	2968.0
142.5°	2013.3	1949.5	1885.7	1949.5	2013.3	2029.3	2177.4	2374.8	2473.5	2618.3	2907.8
145°	2073.8	2018.2	1962.5	2018.2	2073.8	2087.7	2210.8	2374.8	2456.8	2575.2	2812.0
147.5°	2147.6	2093.5	2039.3	2093.5	2147.6	2161.2	2259.8	2391.2	2456.8	2550.0	2736.3
150°	2187.5	2138.4	2089.4	2138.4	2187.5	2199.7	2285.4	2399.7	2456.8	2535.6	2692.9
152.5°	2215.4	2178.3	2141.2	2178.3	2215.4	2224.7	2302.1	2405.3	2456.8	2524.1	2658.4
155°	2273.0	2245.6	2218.1	2245.6	2273.0	2279.8	2338.8	2417.5	2456.8	2510.3	2617.3
157.5°	2328.2	2301.5	2274.8	2301.5	2328.2	2334.9	2375.5	2429.7	2456.8	2498.4	2581.5
160°	2354.8	2334.0	2313.2	2334.0	2354.8	2360.0	2392.3	2435.3	2456.8	2492.5	2563.7
162.5°	2382.8	2367.2	2351.6	2367.2	2382.8	2386.7	2410.1	2441.2	2456.8	2486.9	2547.1
165°	2421.6	2407.5	2393.4	2407.5	2421.6	2425.2	2435.7	2449.8	2456.8	2478.4	2521.4
167.5°	2445.2	2438.5	2431.9	2438.5	2445.2	2446.8	2455.8	2467.6	2473.5	2487.6	2515.8
170°	2470.2	2463.5	2456.8	2463.5	2470.2	2471.9	2472.5	2473.2	2473.5	2487.6	2515.8
172.5°	2473.2	2471.7	2470.2	2471.7	2473.2	2473.5	2473.5	2473.5	2473.5	2484.7	2507.0
175°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2483.6	2476.9	2473.5	2480.6	2494.7
177.5°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2484.7	2479.5	2476.9	2482.5	2493.6
180°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3608.9	3598.2	3612.3	3573.4	3612.3	3598.2	3608.9	3633.6	3612.3	3626.5	3640.7
5°	3166.6	3148.9	3092.3	3046.3	3092.3	3148.9	3166.6	3240.9	3276.3	3339.9	3424.9
7.5°	2830.5	2816.3	2802.2	2773.8	2802.2	2816.3	2830.5	2851.7	2887.1	2943.7	3007.4
10°	2756.1	2759.7	2781.0	2777.4	2781.0	2759.7	2756.1	2749.1	2738.5	2749.1	2788.0
12.5°	2947.3	2979.0	3095.8	3088.7	3095.8	2979.0	2947.3	2805.7	2710.2	2692.5	2699.6
15°	3166.6	3177.2	3202.0	3205.5	3202.0	3177.2	3166.6	3110.0	2823.4	2699.6	2660.6
17.5°	3187.8	3191.4	3209.1	3209.1	3209.1	3191.4	3187.8	3163.1	3067.5	2901.2	2681.9
20°	3170.1	3177.2	3212.5	3219.7	3212.5	3177.2	3170.1	3138.3	3085.3	3025.1	2858.8
22.5°	3163.1	3177.2	3205.5	3202.0	3205.5	3177.2	3163.1	3113.5	3067.5	3025.1	2957.9
25°	3127.7	3127.7	3131.2	3134.7	3131.2	3127.7	3127.7	3088.7	2996.8	2986.2	2947.3
27.5°	3053.4	3060.4	3081.7	3078.1	3081.7	3060.4	3053.4	3039.2	2940.1	2929.6	2901.2
30°	2986.2	2979.0	2961.4	2947.3	2961.4	2979.0	2986.2	2964.9	2865.8	2837.5	2844.6
32.5°	2872.9	2855.2	2837.5	2826.9	2837.5	2855.2	2872.9	2865.8	2791.6	2752.7	2759.7
35°	2738.5	2742.0	2738.5	2727.8	2738.5	2742.0	2738.5	2745.5	2699.6	2664.2	2660.6
37.5°	2643.0	2650.0	2646.5	2632.3	2646.5	2650.0	2643.0	2635.9	2572.2	2561.6	2568.7
40°	2543.9	2547.4	2543.9	2533.3	2543.9	2547.4	2543.9	2529.8	2441.3	2444.8	2469.6
42.5°	2448.4	2444.8	2434.2	2427.1	2434.2	2444.8	2448.4	2427.1	2313.9	2303.3	2349.3
45°	2338.7	2342.2	2321.0	2310.4	2321.0	2342.2	2338.7	2324.6	2207.8	2179.4	2211.3
47.5°	2229.0	2229.0	2211.3	2200.7	2211.3	2229.0	2229.0	2211.3	2087.5	2059.2	2076.9
50°	2112.2	2108.7	2083.9	2080.4	2083.9	2108.7	2112.2	2101.6	1970.7	1945.9	1945.9
52.5°	1977.8	1977.8	1981.3	1988.4	1981.3	1977.8	1977.8	1981.3	1864.6	1839.8	1832.7
55°	1861.0	1864.6	1889.3	1896.4	1889.3	1864.6	1861.0	1861.0	1754.9	1730.2	1716.0
57.5°	1740.7	1740.7	1758.5	1758.5	1758.5	1740.7	1740.7	1733.6	1631.1	1609.8	1602.8
60°	1602.8	1609.8	1623.9	1620.5	1623.9	1609.8	1602.8	1595.6	1507.2	1493.1	1468.3
62.5°	1457.6	1464.8	1468.3	1461.2	1468.3	1464.8	1457.6	1436.5	1383.4	1372.8	1340.9
65°	1305.5	1312.6	1316.2	1309.1	1316.2	1312.6	1305.5	1294.9	1256.0	1238.3	1210.0
67.5°	1149.9	1146.3	1142.8	1156.9	1142.8	1146.3	1149.9	1135.8	1111.0	1096.8	1057.8
70°	990.6	990.6	987.1	994.2	987.1	990.6	990.6	980.0	965.9	955.3	919.9
72.5°	820.9	817.3	831.5	820.9	831.5	817.3	820.9	817.3	810.2	799.6	764.3
75°	654.6	661.6	654.6	665.2	654.6	661.6	654.6	658.0	654.6	647.5	622.7
77.5°	498.9	505.9	498.9	498.9	498.9	505.9	498.9	502.4	502.4	502.4	481.2
80°	353.8	350.3	350.3	346.7	350.3	350.3	353.8	353.8	357.3	350.3	343.2
82.5°	226.5	222.9	222.9	229.9	222.9	222.9	226.5	229.9	222.9	222.9	222.9
85°	123.8	127.4	120.3	120.3	120.3	127.4	123.8	116.8	123.8	123.8	120.3
87.5°	46.0	42.5	42.5	42.5	42.5	42.5	46.0	49.5	49.5	49.5	53.1
90°	63.5	63.5	63.5	63.5	63.5	63.5	63.5	84.6	112.8	126.9	109.1
92.5°	317.3	304.7	254.2	203.8	254.2	304.7	317.3	449.8	626.4	714.8	627.6
95°	1077.3	1039.1	886.1	733.2	886.1	1039.1	1077.3	1414.7	1864.5	2089.4	1764.7
97.5°	2486.9	2414.2	2123.2	1832.2	2123.2	2414.2	2486.9	2700.2	2984.5	3126.6	2585.1
100°	3492.4	3405.7	3059.1	2712.4	3059.1	3405.7	3492.4	3476.8	3456.0	3445.6	2844.7
102.5°	4350.9	4276.6	3979.7	3682.8	3979.7	4276.6	4350.9	4079.2	3717.0	3535.8	2926.4
105°	5353.0	5313.1	5153.5	4993.9	5153.5	5313.1	5353.0	4743.9	3931.8	3525.8	2935.6
107.5°	5874.1	5883.7	5922.4	5960.9	5922.4	5883.7	5874.1	5024.5	3891.7	3325.4	2805.0
110°	6007.7	6049.3	6215.6	6381.9	6215.6	6049.3	6007.7	5057.9	3791.6	3158.4	2689.2



TEST NUMBER: P936027

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5922.5	5986.4	6241.7	6497.1	6241.7	5986.4	5922.5	4950.5	3654.4	3006.3	2588.1
115°	5633.6	5722.1	6076.2	6430.3	6076.2	5722.1	5633.6	4697.1	3448.6	2824.3	2472.1
117.5°	5234.4	5332.6	5725.3	6117.9	5725.3	5332.6	5234.4	4389.3	3262.4	2699.0	2399.5
120°	4965.5	5060.9	5442.4	5824.0	5442.4	5060.9	4965.5	4193.3	3163.7	2648.9	2375.0
122.5°	4696.6	4790.7	5167.1	5543.4	5167.1	4790.7	4696.6	4001.3	3074.1	2610.6	2362.2
125°	4340.8	4427.5	4774.2	5120.9	4774.2	4427.5	4340.8	3750.2	2962.6	2568.8	2351.7
127.5°	4055.3	4128.4	4420.9	4713.3	4420.9	4128.4	4055.3	3548.1	2871.8	2533.7	2345.5
130°	3874.9	3942.4	4212.6	4482.8	4212.6	3942.4	3874.9	3423.4	2821.3	2520.3	2349.2
132.5°	3721.2	3781.8	4023.7	4265.7	4023.7	3781.8	3721.2	3317.1	2778.1	2508.6	2351.6
135°	3504.1	3556.2	3764.8	3973.4	3764.8	3556.2	3504.1	3165.6	2714.3	2488.6	2349.5
137.5°	3343.8	3386.4	3557.2	3727.8	3557.2	3386.4	3343.8	3057.6	2676.0	2485.2	2363.8
140°	3215.1	3255.0	3414.6	3574.2	3414.6	3255.0	3215.1	2968.0	2638.3	2473.5	2366.2
142.5°	3125.0	3159.3	3296.6	3433.9	3296.6	3159.3	3125.0	2907.8	2618.3	2473.5	2374.8
145°	2989.7	3015.6	3119.6	3223.5	3119.6	3015.6	2989.7	2812.0	2575.2	2456.8	2374.8
147.5°	2876.1	2897.6	2983.8	3069.8	2983.8	2897.6	2876.1	2736.3	2550.0	2456.8	2391.2
150°	2810.9	2828.4	2898.2	2968.0	2898.2	2828.4	2810.9	2692.9	2535.6	2456.8	2399.7
152.5°	2759.2	2772.4	2825.1	2877.7	2825.1	2772.4	2759.2	2658.4	2524.1	2456.8	2405.3
155°	2697.4	2706.2	2741.0	2775.9	2741.0	2706.2	2697.4	2617.3	2510.3	2456.8	2417.5
157.5°	2643.9	2650.1	2674.6	2699.0	2674.6	2650.1	2643.9	2581.5	2498.4	2456.8	2429.7
160°	2617.2	2620.7	2634.8	2648.9	2634.8	2620.7	2617.2	2563.7	2492.5	2456.8	2435.3
162.5°	2592.2	2595.5	2608.9	2622.2	2608.9	2595.5	2592.2	2547.1	2486.9	2456.8	2441.2
165°	2553.7	2557.3	2571.4	2585.5	2571.4	2557.3	2553.7	2521.4	2478.4	2456.8	2449.8
167.5°	2537.0	2538.5	2544.4	2550.4	2544.4	2538.5	2537.0	2515.8	2487.6	2473.5	2467.6
170°	2537.0	2537.0	2537.0	2537.0	2537.0	2537.0	2537.0	2515.8	2487.6	2473.5	2473.2
172.5°	2523.7	2522.4	2517.2	2512.0	2517.2	2522.4	2523.7	2507.0	2484.7	2473.5	2473.5
175°	2505.3	2505.3	2505.3	2505.3	2505.3	2505.3	2505.3	2494.7	2480.6	2473.5	2476.9
177.5°	2501.9	2500.4	2494.5	2488.6	2494.5	2500.4	2501.9	2493.6	2482.5	2476.9	2479.5
180°	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6	2488.6



TEST NUMBER: P936027

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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3693.8	3711.4	3722.0	3736.2	3771.6
5°	3552.3	3619.5	3640.7	3693.8	3757.5
7.5°	3240.9	3446.1	3502.7	3630.1	3729.1
10°	2940.1	3145.3	3244.4	3545.1	3693.8
12.5°	2788.0	2908.3	2975.5	3396.6	3644.2
15°	2692.5	2777.4	2826.9	3198.4	3587.6
17.5°	2618.1	2678.3	2713.7	3003.8	3509.8
20°	2572.2	2600.5	2632.3	2862.3	3421.3
22.5°	2540.3	2522.6	2547.4	2763.3	3301.0
25°	2519.2	2451.9	2480.2	2685.4	3159.5
27.5°	2536.8	2388.2	2398.8	2614.7	3010.9
30°	2540.3	2310.4	2313.9	2540.3	2844.6
32.5°	2515.6	2229.0	2232.5	2448.4	2657.1
35°	2455.4	2133.5	2130.0	2342.2	2402.4
37.5°	2374.0	2030.9	2030.9	2225.5	2122.8
40°	2275.0	1928.2	1938.9	2073.3	1875.2
42.5°	2154.7	1818.5	1832.7	1871.6	1691.2
45°	2023.7	1712.4	1723.0	1581.5	1549.7
47.5°	1878.7	1602.8	1606.3	1312.6	1503.7
50°	1705.4	1489.5	1475.4	1125.1	1500.1
52.5°	1553.2	1365.7	1323.2	1018.9	1362.1
55°	1404.6	1234.8	1142.8	937.6	1263.1
57.5°	1273.7	1065.0	976.5	842.1	1241.9
60°	1153.4	898.7	831.5	739.4	1139.3
62.5°	1054.4	774.9	760.7	668.7	1033.1
65°	948.2	689.9	686.4	608.6	877.4
67.5°	845.6	633.3	629.7	551.9	668.7
70°	736.0	573.2	566.1	491.8	495.3
72.5°	622.7	505.9	498.9	442.3	410.4
75°	509.5	428.1	424.5	385.6	332.6
77.5°	399.8	339.6	346.7	311.3	244.1
80°	286.6	247.7	254.8	222.9	184.0
82.5°	191.0	162.7	169.9	141.5	123.8
85°	106.1	92.0	95.5	74.3	56.6
87.5°	49.5	42.5	42.5	28.3	17.7
90°	73.5	46.8	43.5	30.1	16.7
92.5°	453.2	322.3	293.9	180.3	66.8
95°	1115.2	628.0	576.0	368.1	160.3
97.5°	1502.1	689.8	643.9	460.6	277.2
100°	1643.0	741.6	700.0	533.7	367.4
102.5°	1707.5	793.4	754.5	599.4	444.3
105°	1755.4	870.2	837.4	706.0	574.6
107.5°	1764.3	983.8	953.1	830.7	708.2
110°	1751.0	1047.2	1019.6	909.0	798.4



TEST NUMBER: P936027

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1751.5	1124.1	1097.7	992.3	886.9
115°	1767.7	1239.3	1215.0	1117.7	1020.5
117.5°	1800.4	1351.2	1329.1	1240.7	1152.5
120°	1827.2	1416.3	1395.5	1312.4	1229.2
122.5°	1865.7	1493.2	1472.2	1388.3	1304.4
125°	1917.4	1591.7	1572.6	1496.1	1419.7
127.5°	1969.1	1686.9	1667.6	1590.4	1513.2
130°	2007.0	1750.3	1729.5	1646.4	1563.3
132.5°	2037.6	1802.1	1781.3	1698.2	1615.1
135°	2071.1	1862.3	1843.3	1767.6	1691.9
137.5°	2121.1	1939.1	1920.4	1845.4	1770.4
140°	2151.7	1990.9	1973.7	1904.6	1835.6
142.5°	2177.4	2029.3	2013.3	1949.5	1885.7
145°	2210.8	2087.7	2073.8	2018.2	1962.5
147.5°	2259.8	2161.2	2147.6	2093.5	2039.3
150°	2285.4	2199.7	2187.5	2138.4	2089.4
152.5°	2302.1	2224.7	2215.4	2178.3	2141.2
155°	2338.8	2279.8	2273.0	2245.6	2218.1
157.5°	2375.5	2334.9	2328.2	2301.5	2274.8
160°	2392.3	2360.0	2354.8	2334.0	2313.2
162.5°	2410.1	2386.7	2382.8	2367.2	2351.6
165°	2435.7	2425.2	2421.6	2407.5	2393.4
167.5°	2455.8	2446.8	2445.2	2438.5	2431.9
170°	2472.5	2471.9	2470.2	2463.5	2456.8
172.5°	2473.5	2473.5	2473.2	2471.7	2470.2
175°	2483.6	2488.6	2488.6	2488.6	2488.6
177.5°	2484.7	2488.6	2488.6	2488.6	2488.6
180°	2488.6	2488.6	2488.6	2488.6	2488.6



TEST NUMBER: P936027  
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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	12.05	12.81	13.10	13.87	15.30	14.90	15.66	15.95	16.72	18.16
	3H	12.51	13.19	13.58	14.26	15.72	16.24	16.92	17.31	17.99	19.45
	4H	12.70	13.35	13.78	14.42	15.88	16.68	17.33	17.76	18.40	19.86
	6H	12.81	13.41	13.90	14.48	15.96	16.97	17.56	18.06	18.64	20.11
	8H	12.81	13.38	13.90	14.47	15.94	17.04	17.61	18.14	18.70	20.17
	12H	12.78	13.32	13.88	14.40	15.89	17.08	17.62	18.18	18.70	20.20
4H	2H	13.07	13.71	14.15	14.79	16.25	15.29	15.94	16.38	17.01	18.47
	3H	14.09	14.63	15.18	15.72	17.20	16.79	17.33	17.89	18.43	19.91
	4H	14.36	14.85	15.46	15.94	17.44	17.32	17.82	18.42	18.90	20.40
	6H	14.48	14.90	15.58	16.01	17.50	17.69	18.11	18.79	19.22	20.71
	8H	14.48	14.88	15.59	15.98	17.49	17.80	18.19	18.90	19.29	20.80
	12H	14.44	14.80	15.57	15.92	17.43	17.85	18.21	18.97	19.33	20.84
8H	4H	14.81	15.20	15.91	16.31	17.81	17.44	17.83	18.54	18.94	20.44
	6H	15.07	15.39	16.19	16.54	18.04	17.88	18.20	19.00	19.35	20.85
	8H	15.11	15.39	16.24	16.52	18.04	18.03	18.32	19.16	19.44	20.97
	12H	15.09	15.34	16.22	16.46	18.02	18.13	18.38	19.27	19.50	21.06
12H	4H	14.81	15.17	15.93	16.28	17.80	17.40	17.76	18.52	18.87	20.38
	6H	15.13	15.41	16.26	16.54	18.06	17.87	18.16	19.01	19.29	20.81
	8H	15.19	15.44	16.33	16.56	18.12	18.03	18.28	19.17	19.41	20.97