

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: P936030

Luminaire Tested: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936030
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-12-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

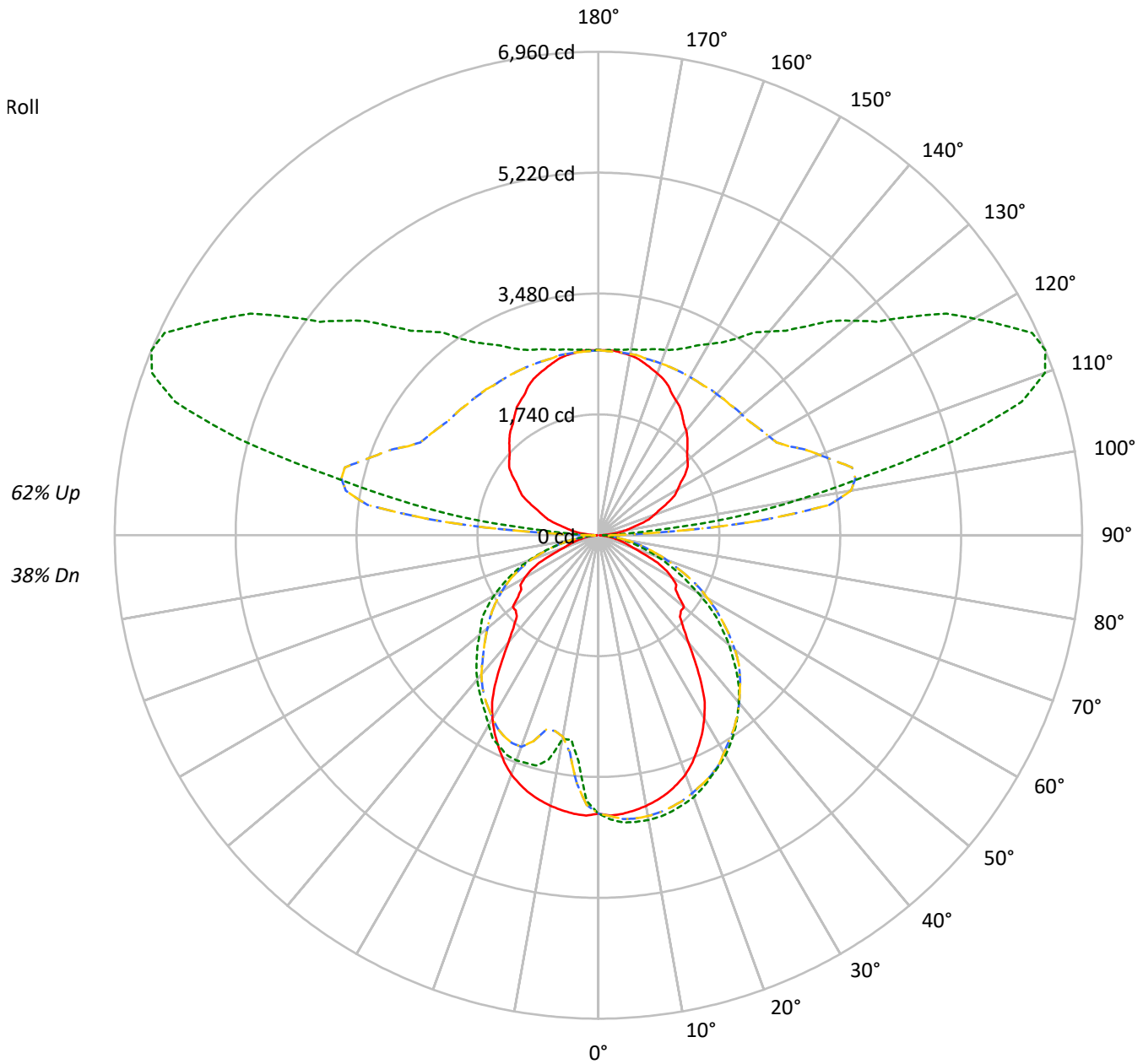
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27678.9 lumens
Efficiency: N/A
Efficacy: 127.4 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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CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-6500K

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°	12391	12391	12391	12391
5°	12488	12509	12488	9835
10°	12409	12321	12409	8809
15°	12279	12054	12279	10066
20°	12027	11738	12027	10087
25°	11506	11277	11506	9873
30°	10831	10894	10831	9404
35°	9661	10409	9661	8888
40°	8055	9840	8055	8498
45°	7201	9172	7201	8050
50°	7657	8376	7657	7601
55°	7210	7518	7210	7340
60°	7442	6385	7442	6723
65°	6758	5278	6758	5901
70°	4691	4206	4691	4946
75°	4130	3109	4130	3724
80°	3352	2056	3352	2238
85°	1964	1089	1964	926

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11030 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.6	1.3
10°-20°	1026.7	3.7
20°-30°	1587.2	5.7
30°-40°	1894.7	6.8
40°-50°	1905.8	6.9
50°-60°	1658.3	6.0
60°-70°	1175.8	4.2
70°-80°	622.0	2.2
80°-90°	165.1	0.6
90°-100°	1299.5	4.7
100°-110°	3416.4	12.3
110°-120°	3542.4	12.8
120°-130°	2841.4	10.3
130°-140°	2229.5	8.1
140°-150°	1711.2	6.2
150°-160°	1232.4	4.5
160°-170°	754.0	2.7
170°-180°	254.8	0.9
0°-30°	2975.5	10.8
0°-40°	4870.3	17.6
0°-60°	8434.4	30.5
0°-90°	10397.3	37.6
90°-120°	8258.2	29.8
90°-150°	15040.4	54.3
90°-180°	17282.0	62.4
0°-180°	27678.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4006	4006	4006	4006	4006	
5°	4025	4150	4025	3263	4025	382
15°	3843	4112	3843	3434	3843	1081
25°	3384	3836	3384	3358	3384	1554
35°	2574	3422	2574	2922	2574	1592
45°	1660	2820	1660	2475	1660	1330
55°	1353	2081	1353	2031	1353	1243
65°	940	1254	940	1402	940	898
75°	356	595	356	713	356	375
85°	61	152	61	129	61	82
90°	18	68	18	68	18	17
95°	172	785	172	785	172	191
105°	616	5350	616	5350	616	652
115°	1093	6888	1093	6888	1093	1080
125°	1521	5486	1521	5486	1521	1350
135°	1812	4256	1812	4256	1812	1402
145°	2102	3453	2102	3453	2102	1317
155°	2376	2974	2376	2974	2376	1092
165°	2564	2770	2564	2770	2564	724
175°	2666	2684	2666	2684	2666	253
180°	2666	2666	2666	2666	2666	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4040.2	4040.2	4063.0	4070.5	4070.5	4059.1	4047.8	4059.1	4093.3	4104.6	4100.8
5°	4025.1	4055.4	4097.1	4104.6	4112.2	4108.5	4100.8	4108.5	4146.3	4153.9	4157.7
7.5°	3994.7	4051.6	4104.6	4116.0	4127.4	4116.0	4112.2	4119.9	4157.7	4165.3	4165.3
10°	3956.8	4036.5	4097.1	4104.6	4116.0	4104.6	4104.6	4119.9	4157.7	4165.3	4169.1
12.5°	3903.8	4013.7	4070.5	4078.2	4093.3	4089.4	4085.7	4100.8	4138.8	4146.3	4146.3
15°	3843.1	3972.0	4025.1	4032.6	4059.1	4051.6	4051.6	4066.8	4108.5	4119.9	4116.0
17.5°	3759.8	3919.0	3979.6	3991.0	4009.9	4006.1	4009.9	4025.1	4063.0	4070.5	4074.3
20°	3665.0	3847.0	3919.0	3930.3	3949.3	3949.3	3949.3	3968.2	4006.1	4021.3	4021.3
22.5°	3536.1	3771.1	3847.0	3854.5	3877.3	3877.3	3884.8	3911.3	3945.4	3949.3	3949.3
25°	3384.5	3687.7	3752.2	3775.0	3797.6	3809.0	3820.4	3835.6	3847.0	3843.1	3847.0
27.5°	3225.3	3581.6	3665.0	3680.2	3710.5	3721.9	3737.0	3740.8	3744.5	3755.9	3748.4
30°	3047.2	3433.8	3558.9	3574.1	3623.3	3630.9	3615.7	3623.3	3642.2	3649.9	3657.4
32.5°	2846.3	3214.0	3449.0	3483.0	3528.5	3505.8	3502.1	3513.4	3543.7	3543.7	3551.3
35°	2573.5	3043.5	3346.7	3377.0	3411.0	3384.5	3399.6	3403.5	3422.4	3433.8	3430.1
37.5°	2274.0	2895.6	3240.5	3263.3	3289.8	3255.6	3278.4	3289.8	3305.0	3297.3	3297.3
40°	2008.8	2664.4	3115.5	3130.6	3153.3	3126.8	3149.5	3157.2	3164.7	3157.2	3153.3
42.5°	1811.7	2410.5	2982.7	3001.8	2986.6	3005.5	3013.1	3028.3	3016.9	3001.8	3001.8
45°	1660.0	2342.3	2838.7	2861.5	2838.7	2869.1	2880.4	2880.4	2846.3	2838.7	2835.0
47.5°	1610.8	2205.8	2694.7	2694.7	2683.4	2721.2	2740.3	2713.7	2679.5	2668.3	2668.3
50°	1607.0	2054.2	2497.7	2482.5	2535.5	2581.1	2562.1	2535.5	2509.1	2467.4	2467.4
52.5°	1459.2	1868.5	2243.7	2300.6	2384.0	2410.5	2380.2	2353.7	2308.2	2289.2	2274.0
55°	1353.0	1675.3	2012.5	2126.2	2213.4	2247.5	2190.6	2164.2	2095.9	2084.5	2076.9
57.5°	1330.4	1394.7	1800.3	1944.3	2050.5	2046.6	2012.5	1963.3	1906.4	1895.1	1891.3
60°	1220.4	1008.1	1572.8	1743.4	1853.4	1842.0	1811.7	1766.2	1713.1	1705.6	1697.9
62.5°	1106.7	731.5	1315.1	1508.5	1663.9	1660.0	1633.6	1565.3	1527.4	1508.5	1493.3
65°	939.9	614.0	936.1	1254.5	1478.1	1485.7	1428.8	1379.6	1337.9	1315.1	1311.3
67.5°	716.3	500.3	632.9	1046.1	1300.0	1292.4	1220.4	1197.6	1144.6	1133.2	1110.5
70°	530.6	333.5	439.7	849.0	1125.6	1106.7	1049.8	1023.3	974.1	947.5	932.4
72.5°	439.7	269.1	322.1	659.5	947.5	924.7	875.5	845.2	803.5	780.7	765.6
75°	356.3	284.3	246.3	488.9	769.4	754.2	708.7	678.4	644.3	614.0	617.8
77.5°	261.5	265.3	197.1	360.1	610.2	587.5	560.9	523.0	507.8	477.5	477.5
80°	197.1	208.5	147.8	246.3	439.7	439.7	416.9	390.4	363.8	348.7	348.7
82.5°	132.6	132.6	109.9	155.4	299.4	288.0	272.9	265.3	250.1	242.6	242.6
85°	60.6	75.8	68.2	94.8	162.9	170.6	170.6	162.9	159.2	151.6	155.4
87.5°	18.9	34.1	41.7	53.1	83.4	87.2	90.9	90.9	90.9	94.8	94.8
90°	17.9	32.2	46.6	50.1	78.7	116.8	136.0	120.9	90.6	68.0	68.0
92.5°	71.5	193.2	314.9	345.3	485.5	672.3	765.7	671.1	481.8	339.9	326.4
95°	171.7	394.3	617.0	672.7	1194.6	1890.4	2238.3	1997.3	1515.5	1154.0	1113.1
97.5°	297.0	493.4	689.8	738.9	1609.1	2769.2	3349.3	3197.0	2892.5	2664.0	2586.1
100°	393.6	571.7	749.8	794.4	1760.0	3047.3	3691.0	3702.1	3724.4	3741.1	3648.3
102.5°	475.9	642.1	808.3	849.9	1829.1	3134.8	3787.7	3981.7	4369.7	4660.8	4581.2
105°	615.5	756.3	897.0	932.2	1880.4	3144.7	3776.9	4211.8	5081.8	5734.2	5691.5
107.5°	758.6	889.8	1021.0	1053.8	1889.9	3004.7	3562.2	4168.9	5382.3	6292.4	6302.7
110°	855.2	973.7	1092.2	1121.8	1875.7	2880.7	3383.3	4061.6	5418.2	6435.6	6480.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	950.1	1063.0	1175.9	1204.1	1876.2	2772.4	3220.5	3914.7	5303.0	6344.3	6412.7
115°	1093.2	1197.3	1301.6	1327.6	1893.5	2648.2	3025.5	3694.3	5031.7	6034.8	6129.7
117.5°	1234.5	1329.1	1423.8	1447.4	1928.6	2570.3	2891.2	3494.8	4701.9	5607.2	5712.4
120°	1316.8	1405.9	1494.9	1517.2	1957.3	2544.1	2837.6	3389.0	4491.9	5319.1	5421.3
122.5°	1397.3	1487.2	1577.0	1599.5	1998.5	2530.5	2796.5	3293.0	4286.2	5031.1	5131.9
125°	1520.8	1602.7	1684.6	1705.1	2054.0	2519.2	2751.7	3173.6	4017.3	4650.0	4742.8
127.5°	1620.9	1703.6	1786.4	1807.0	2109.4	2512.6	2714.2	3076.4	3800.8	4344.1	4422.4
130°	1674.7	1763.7	1852.7	1875.0	2149.9	2516.5	2699.8	3022.2	3667.2	4150.8	4223.2
132.5°	1730.1	1819.2	1908.2	1930.5	2182.7	2519.1	2687.3	2976.0	3553.3	3986.3	4051.1
135°	1812.4	1893.5	1974.6	1994.9	2218.6	2516.8	2665.9	2907.6	3391.0	3753.6	3809.5
137.5°	1896.5	1976.8	2057.2	2077.2	2272.2	2532.2	2662.2	2866.6	3275.3	3581.9	3627.6
140°	1966.3	2040.2	2114.2	2132.7	2305.0	2534.8	2649.7	2826.2	3179.3	3444.1	3486.9
142.5°	2020.0	2088.3	2156.7	2173.8	2332.4	2544.0	2649.7	2804.8	3114.9	3347.5	3384.3
145°	2102.3	2162.0	2221.5	2236.4	2368.2	2544.0	2631.8	2758.6	3012.3	3202.6	3230.4
147.5°	2184.5	2242.6	2300.6	2315.1	2420.7	2561.4	2631.8	2731.7	2931.2	3080.9	3104.0
150°	2238.3	2290.8	2343.2	2356.3	2448.1	2570.6	2631.8	2716.2	2884.7	3011.1	3029.8
152.5°	2293.7	2333.5	2373.2	2383.1	2466.0	2576.6	2631.8	2703.8	2847.7	2955.7	2969.8
155°	2376.0	2405.5	2434.8	2442.2	2505.4	2589.7	2631.8	2689.1	2803.7	2889.5	2898.9
157.5°	2436.9	2465.4	2494.0	2501.2	2544.7	2602.8	2631.8	2676.4	2765.4	2832.2	2838.8
160°	2478.0	2500.3	2522.5	2528.1	2562.7	2608.8	2631.8	2670.0	2746.3	2803.6	2807.4
162.5°	2519.1	2535.8	2552.5	2556.7	2581.7	2615.1	2631.8	2664.0	2728.5	2776.8	2780.3
165°	2563.8	2578.9	2594.1	2597.9	2609.2	2624.3	2631.8	2654.9	2701.0	2735.6	2739.4
167.5°	2605.1	2612.2	2619.3	2621.1	2630.7	2643.4	2649.7	2664.8	2695.0	2717.7	2719.3
170°	2631.8	2639.0	2646.2	2648.0	2648.6	2649.3	2649.7	2664.8	2695.0	2717.7	2717.7
172.5°	2646.2	2647.7	2649.3	2649.7	2649.7	2649.7	2649.7	2661.7	2685.6	2703.4	2702.0
175°	2665.9	2665.9	2665.9	2665.9	2660.5	2653.3	2649.7	2657.3	2672.4	2683.7	2683.7
177.5°	2665.9	2665.9	2665.9	2665.9	2661.7	2656.1	2653.3	2659.3	2671.2	2680.1	2678.5
180°	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4108.5	4097.1	4108.5	4100.8	4104.6	4093.3	4059.1	4047.8	4059.1	4070.5	4070.5
5°	4157.7	4150.2	4157.7	4157.7	4153.9	4146.3	4108.5	4100.8	4108.5	4112.2	4104.6
7.5°	4172.8	4161.5	4172.8	4165.3	4165.3	4157.7	4119.9	4112.2	4116.0	4127.4	4116.0
10°	4172.8	4161.5	4172.8	4169.1	4165.3	4157.7	4119.9	4104.6	4104.6	4116.0	4104.6
12.5°	4153.9	4146.3	4153.9	4146.3	4146.3	4138.8	4100.8	4085.7	4089.4	4093.3	4078.2
15°	4123.6	4112.2	4123.6	4116.0	4119.9	4108.5	4066.8	4051.6	4051.6	4059.1	4032.6
17.5°	4078.2	4063.0	4078.2	4074.3	4070.5	4063.0	4025.1	4009.9	4006.1	4009.9	3991.0
20°	4025.1	4013.7	4025.1	4021.3	4021.3	4006.1	3968.2	3949.3	3949.3	3949.3	3930.3
22.5°	3941.7	3930.3	3941.7	3949.3	3949.3	3945.4	3911.3	3884.8	3877.3	3877.3	3854.5
25°	3847.0	3835.6	3847.0	3847.0	3843.1	3847.0	3835.6	3820.4	3809.0	3797.6	3775.0
27.5°	3755.9	3748.4	3755.9	3748.4	3755.9	3744.5	3740.8	3737.0	3721.9	3710.5	3680.2
30°	3665.0	3657.4	3665.0	3657.4	3649.9	3642.2	3623.3	3615.7	3630.9	3623.3	3574.1
32.5°	3551.3	3543.7	3551.3	3551.3	3543.7	3543.7	3513.4	3502.1	3505.8	3528.5	3483.0
35°	3433.8	3422.4	3433.8	3430.1	3433.8	3422.4	3403.5	3399.6	3384.5	3411.0	3377.0
37.5°	3297.3	3286.0	3297.3	3297.3	3297.3	3305.0	3289.8	3278.4	3255.6	3289.8	3263.3
40°	3157.2	3142.0	3157.2	3153.3	3157.2	3164.7	3157.2	3149.5	3126.8	3153.3	3130.6
42.5°	2998.0	2994.1	2998.0	3001.8	3001.8	3016.9	3028.3	3013.1	3005.5	2986.6	3001.8
45°	2827.4	2819.8	2827.4	2835.0	2838.7	2846.3	2880.4	2880.4	2869.1	2838.7	2861.5
47.5°	2645.5	2626.6	2645.5	2668.3	2668.3	2679.5	2713.7	2740.3	2721.2	2683.4	2694.7
50°	2452.2	2456.0	2452.2	2467.4	2467.4	2509.1	2535.5	2562.1	2581.1	2535.5	2482.5
52.5°	2262.6	2258.9	2262.6	2274.0	2289.2	2308.2	2353.7	2380.2	2410.5	2384.0	2300.6
55°	2073.1	2080.8	2073.1	2076.9	2084.5	2095.9	2164.2	2190.6	2247.5	2213.4	2126.2
57.5°	1883.7	1872.3	1883.7	1891.3	1895.1	1906.4	1963.3	2012.5	2046.6	2050.5	1944.3
60°	1663.9	1648.7	1663.9	1697.9	1705.6	1713.1	1766.2	1811.7	1842.0	1853.4	1743.4
62.5°	1470.5	1444.0	1470.5	1493.3	1508.5	1527.4	1565.3	1633.6	1660.0	1663.9	1508.5
65°	1265.9	1254.5	1265.9	1311.3	1315.1	1337.9	1379.6	1428.8	1485.7	1478.1	1254.5
67.5°	1080.2	1080.2	1080.2	1110.5	1133.2	1144.6	1197.6	1220.4	1292.4	1300.0	1046.1
70°	909.6	905.8	909.6	932.4	947.5	974.1	1023.3	1049.8	1106.7	1125.6	849.0
72.5°	746.7	742.9	746.7	765.6	780.7	803.5	845.2	875.5	924.7	947.5	659.5
75°	602.6	595.0	602.6	617.8	614.0	644.3	678.4	708.7	754.2	769.4	488.9
77.5°	462.4	462.4	462.4	477.5	477.5	507.8	523.0	560.9	587.5	610.2	360.1
80°	344.9	341.1	344.9	348.7	348.7	363.8	390.4	416.9	439.7	439.7	246.3
82.5°	242.6	234.9	242.6	242.6	242.6	250.1	265.3	272.9	288.0	299.4	155.4
85°	151.6	151.6	151.6	155.4	151.6	159.2	162.9	170.6	170.6	162.9	94.8
87.5°	98.6	94.8	98.6	94.8	94.8	90.9	90.9	90.9	87.2	83.4	53.1
90°	68.0	68.0	68.0	68.0	68.0	90.6	120.9	136.0	116.8	78.7	50.1
92.5°	272.3	218.3	272.3	326.4	339.9	481.8	671.1	765.7	672.3	485.5	345.3
95°	949.2	785.4	949.2	1113.1	1154.0	1515.5	1997.3	2238.3	1890.4	1194.6	672.7
97.5°	2274.4	1962.7	2274.4	2586.1	2664.0	2892.5	3197.0	3349.3	2769.2	1609.1	738.9
100°	3277.0	2905.6	3277.0	3648.3	3741.1	3724.4	3702.1	3691.0	3047.3	1760.0	794.4
102.5°	4263.2	3945.1	4263.2	4581.2	4660.8	4369.7	3981.7	3787.7	3134.8	1829.1	849.9
105°	5520.6	5349.6	5520.6	5691.5	5734.2	5081.8	4211.8	3776.9	3144.7	1880.4	932.2
107.5°	6344.1	6385.5	6344.1	6302.7	6292.4	5382.3	4168.9	3562.2	3004.7	1889.9	1053.8
110°	6658.3	6836.4	6658.3	6480.1	6435.6	5418.2	4061.6	3383.3	2880.7	1875.7	1121.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6686.3	6959.8	6686.3	6412.7	6344.3	5303.0	3914.7	3220.5	2772.4	1876.2	1204.1
115°	6508.9	6888.2	6508.9	6129.7	6034.8	5031.7	3694.3	3025.5	2648.2	1893.5	1327.6
117.5°	6133.0	6553.7	6133.0	5712.4	5607.2	4701.9	3494.8	2891.2	2570.3	1928.6	1447.4
120°	5830.0	6238.8	5830.0	5421.3	5319.1	4491.9	3389.0	2837.6	2544.1	1957.3	1517.2
122.5°	5535.1	5938.2	5535.1	5131.9	5031.1	4286.2	3293.0	2796.5	2530.5	1998.5	1599.5
125°	5114.2	5485.6	5114.2	4742.8	4650.0	4017.3	3173.6	2751.7	2519.2	2054.0	1705.1
127.5°	4735.7	5049.0	4735.7	4422.4	4344.1	3800.8	3076.4	2714.2	2512.6	2109.4	1807.0
130°	4512.7	4802.1	4512.7	4223.2	4150.8	3667.2	3022.2	2699.8	2516.5	2149.9	1875.0
132.5°	4310.2	4569.5	4310.2	4051.1	3986.3	3553.3	2976.0	2687.3	2519.1	2182.7	1930.5
135°	4032.9	4256.4	4032.9	3809.5	3753.6	3391.0	2907.6	2665.9	2516.8	2218.6	1994.9
137.5°	3810.5	3993.3	3810.5	3627.6	3581.9	3275.3	2866.6	2662.2	2532.2	2272.2	2077.2
140°	3657.8	3828.8	3657.8	3486.9	3444.1	3179.3	2826.2	2649.7	2534.8	2305.0	2132.7
142.5°	3531.4	3678.5	3531.4	3384.3	3347.5	3114.9	2804.8	2649.7	2544.0	2332.4	2173.8
145°	3341.8	3453.1	3341.8	3230.4	3202.6	3012.3	2758.6	2631.8	2544.0	2368.2	2236.4
147.5°	3196.3	3288.4	3196.3	3104.0	3080.9	2931.2	2731.7	2631.8	2561.4	2420.7	2315.1
150°	3104.6	3179.3	3104.6	3029.8	3011.1	2884.7	2716.2	2631.8	2570.6	2448.1	2356.3
152.5°	3026.3	3082.7	3026.3	2969.8	2955.7	2847.7	2703.8	2631.8	2576.6	2466.0	2383.1
155°	2936.2	2973.6	2936.2	2898.9	2889.5	2803.7	2689.1	2631.8	2589.7	2505.4	2442.2
157.5°	2865.0	2891.2	2865.0	2838.8	2832.2	2765.4	2676.4	2631.8	2602.8	2544.7	2501.2
160°	2822.5	2837.6	2822.5	2807.4	2803.6	2746.3	2670.0	2631.8	2608.8	2562.7	2528.1
162.5°	2794.7	2809.0	2794.7	2780.3	2776.8	2728.5	2664.0	2631.8	2615.1	2581.7	2556.7
165°	2754.5	2769.6	2754.5	2739.4	2735.6	2701.0	2654.9	2631.8	2624.3	2609.2	2597.9
167.5°	2725.6	2732.0	2725.6	2719.3	2717.7	2695.0	2664.8	2649.7	2643.4	2630.7	2621.1
170°	2717.7	2717.7	2717.7	2717.7	2717.7	2695.0	2664.8	2649.7	2649.3	2648.6	2648.0
172.5°	2696.5	2690.9	2696.5	2702.0	2703.4	2685.6	2661.7	2649.7	2649.7	2649.7	2649.7
175°	2683.7	2683.7	2683.7	2683.7	2683.7	2672.4	2657.3	2649.7	2653.3	2660.5	2665.9
177.5°	2672.2	2665.9	2672.2	2678.5	2680.1	2671.2	2659.3	2653.3	2656.1	2661.7	2665.9
180°	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4063.0	4040.2	4040.2	4002.3	3987.1	3975.8	3956.8	3900.0	3884.8	3869.6	3892.4
5°	4097.1	4055.4	4025.1	3956.8	3900.0	3877.3	3805.3	3668.8	3577.8	3509.6	3471.7
7.5°	4104.6	4051.6	3994.7	3888.6	3752.2	3691.6	3471.7	3221.6	3153.3	3092.7	3054.7
10°	4097.1	4036.5	3956.8	3797.6	3475.5	3369.3	3149.5	2986.6	2944.9	2933.5	2944.9
12.5°	4070.5	4013.7	3903.8	3638.5	3187.5	3115.5	2986.6	2891.8	2884.3	2903.2	3005.5
15°	4025.1	3972.0	3843.1	3426.2	3028.3	2975.2	2884.3	2850.1	2891.8	3024.4	3331.5
17.5°	3979.6	3919.0	3759.8	3217.8	2907.0	2869.1	2804.6	2872.9	3107.8	3286.0	3388.4
20°	3919.0	3847.0	3665.0	3066.1	2819.8	2785.7	2755.4	3062.4	3240.5	3305.0	3361.8
22.5°	3847.0	3771.1	3536.1	2960.1	2728.9	2702.3	2721.2	3168.5	3240.5	3286.0	3335.3
25°	3752.2	3687.7	3384.5	2876.7	2656.9	2626.6	2698.6	3157.2	3198.8	3210.2	3308.7
27.5°	3665.0	3581.6	3225.3	2800.9	2569.7	2558.3	2717.5	3107.8	3138.2	3149.5	3255.6
30°	3558.9	3433.8	3047.2	2721.2	2478.7	2474.9	2721.2	3047.2	3039.6	3070.0	3176.1
32.5°	3449.0	3214.0	2846.3	2622.7	2391.5	2387.7	2694.7	2956.3	2948.7	2990.4	3070.0
35°	3346.7	3043.5	2573.5	2509.1	2281.7	2285.4	2630.3	2850.1	2853.9	2891.8	2941.1
37.5°	3240.5	2895.6	2274.0	2384.0	2175.5	2175.5	2543.1	2751.6	2744.0	2755.4	2823.6
40°	3115.5	2664.4	2008.8	2220.9	2076.9	2065.6	2437.0	2645.5	2618.9	2615.2	2709.9
42.5°	2982.7	2410.5	1811.7	2004.9	1963.3	1948.1	2308.2	2516.6	2467.4	2478.7	2600.0
45°	2838.7	2342.3	1660.0	1694.2	1845.7	1834.4	2167.9	2368.8	2334.6	2365.0	2490.1
47.5°	2694.7	2205.8	1610.8	1406.1	1720.7	1716.9	2012.5	2224.8	2205.8	2236.2	2368.8
50°	2497.7	2054.2	1607.0	1205.3	1580.5	1595.6	1826.8	2084.5	2084.5	2111.1	2251.3
52.5°	2243.7	1868.5	1459.2	1091.5	1417.5	1463.0	1663.9	1963.3	1970.8	1997.4	2122.5
55°	2012.5	1675.3	1353.0	1004.4	1224.2	1322.7	1504.7	1838.2	1853.4	1879.9	1993.6
57.5°	1800.3	1394.7	1330.4	902.1	1046.1	1140.8	1364.4	1716.9	1724.5	1747.3	1857.1
60°	1572.8	1008.1	1220.4	792.1	890.7	962.7	1235.6	1572.8	1599.4	1614.5	1709.3
62.5°	1315.1	731.5	1106.7	716.3	814.9	830.1	1129.5	1436.4	1470.5	1481.9	1538.8
65°	936.1	614.0	939.9	651.9	735.3	739.0	1015.8	1296.2	1326.5	1345.5	1387.1
67.5°	632.9	500.3	716.3	591.2	674.6	678.4	905.8	1133.2	1174.9	1190.1	1216.7
70°	439.7	333.5	530.6	526.9	606.4	614.0	788.4	985.5	1023.3	1034.7	1049.8
72.5°	322.1	269.1	439.7	473.8	534.4	542.0	667.0	818.7	856.6	867.9	875.5
75°	246.3	284.3	356.3	413.1	454.8	458.6	545.8	667.0	693.6	701.2	704.9
77.5°	197.1	265.3	261.5	333.5	371.4	363.8	428.3	515.5	538.1	538.1	538.1
80°	147.8	208.5	197.1	238.8	272.9	265.3	307.0	367.7	375.2	382.8	379.0
82.5°	109.9	132.6	132.6	151.6	182.0	174.3	204.6	238.8	238.8	238.8	246.3
85°	68.2	75.8	60.6	79.6	102.3	98.6	113.7	128.9	132.6	132.6	125.1
87.5°	41.7	34.1	18.9	30.3	45.5	45.5	53.1	56.9	53.1	53.1	53.1
90°	46.6	32.2	17.9	32.2	46.6	50.1	78.7	116.8	136.0	120.9	90.6
92.5°	314.9	193.2	71.5	193.2	314.9	345.3	485.5	672.3	765.7	671.1	481.8
95°	617.0	394.3	171.7	394.3	617.0	672.7	1194.6	1890.4	2238.3	1997.3	1515.5
97.5°	689.8	493.4	297.0	493.4	689.8	738.9	1609.1	2769.2	3349.3	3197.0	2892.5
100°	749.8	571.7	393.6	571.7	749.8	794.4	1760.0	3047.3	3691.0	3702.1	3724.4
102.5°	808.3	642.1	475.9	642.1	808.3	849.9	1829.1	3134.8	3787.7	3981.7	4369.7
105°	897.0	756.3	615.5	756.3	897.0	932.2	1880.4	3144.7	3776.9	4211.8	5081.8
107.5°	1021.0	889.8	758.6	889.8	1021.0	1053.8	1889.9	3004.7	3562.2	4168.9	5382.3
110°	1092.2	973.7	855.2	973.7	1092.2	1121.8	1875.7	2880.7	3383.3	4061.6	5418.2



TEST NUMBER: P936030

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1175.9	1063.0	950.1	1063.0	1175.9	1204.1	1876.2	2772.4	3220.5	3914.7	5303.0
115°	1301.6	1197.3	1093.2	1197.3	1301.6	1327.6	1893.5	2648.2	3025.5	3694.3	5031.7
117.5°	1423.8	1329.1	1234.5	1329.1	1423.8	1447.4	1928.6	2570.3	2891.2	3494.8	4701.9
120°	1494.9	1405.9	1316.8	1405.9	1494.9	1517.2	1957.3	2544.1	2837.6	3389.0	4491.9
122.5°	1577.0	1487.2	1397.3	1487.2	1577.0	1599.5	1998.5	2530.5	2796.5	3293.0	4286.2
125°	1684.6	1602.7	1520.8	1602.7	1684.6	1705.1	2054.0	2519.2	2751.7	3173.6	4017.3
127.5°	1786.4	1703.6	1620.9	1703.6	1786.4	1807.0	2109.4	2512.6	2714.2	3076.4	3800.8
130°	1852.7	1763.7	1674.7	1763.7	1852.7	1875.0	2149.9	2516.5	2699.8	3022.2	3667.2
132.5°	1908.2	1819.2	1730.1	1819.2	1908.2	1930.5	2182.7	2519.1	2687.3	2976.0	3553.3
135°	1974.6	1893.5	1812.4	1893.5	1974.6	1994.9	2218.6	2516.8	2665.9	2907.6	3391.0
137.5°	2057.2	1976.8	1896.5	1976.8	2057.2	2077.2	2272.2	2532.2	2662.2	2866.6	3275.3
140°	2114.2	2040.2	1966.3	2040.2	2114.2	2132.7	2305.0	2534.8	2649.7	2826.2	3179.3
142.5°	2156.7	2088.3	2020.0	2088.3	2156.7	2173.8	2332.4	2544.0	2649.7	2804.8	3114.9
145°	2221.5	2162.0	2102.3	2162.0	2221.5	2236.4	2368.2	2544.0	2631.8	2758.6	3012.3
147.5°	2300.6	2242.6	2184.5	2242.6	2300.6	2315.1	2420.7	2561.4	2631.8	2731.7	2931.2
150°	2343.2	2290.8	2238.3	2290.8	2343.2	2356.3	2448.1	2570.6	2631.8	2716.2	2884.7
152.5°	2373.2	2333.5	2293.7	2333.5	2373.2	2383.1	2466.0	2576.6	2631.8	2703.8	2847.7
155°	2434.8	2405.5	2376.0	2405.5	2434.8	2442.2	2505.4	2589.7	2631.8	2689.1	2803.7
157.5°	2494.0	2465.4	2436.9	2465.4	2494.0	2501.2	2544.7	2602.8	2631.8	2676.4	2765.4
160°	2522.5	2500.3	2478.0	2500.3	2522.5	2528.1	2562.7	2608.8	2631.8	2670.0	2746.3
162.5°	2552.5	2535.8	2519.1	2535.8	2552.5	2556.7	2581.7	2615.1	2631.8	2664.0	2728.5
165°	2594.1	2578.9	2563.8	2578.9	2594.1	2597.9	2609.2	2624.3	2631.8	2654.9	2701.0
167.5°	2619.3	2612.2	2605.1	2612.2	2619.3	2621.1	2630.7	2643.4	2649.7	2664.8	2695.0
170°	2646.2	2639.0	2631.8	2639.0	2646.2	2648.0	2648.6	2649.3	2649.7	2664.8	2695.0
172.5°	2649.3	2647.7	2646.2	2647.7	2649.3	2649.7	2649.7	2649.7	2649.7	2661.7	2685.6
175°	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2660.5	2653.3	2649.7	2657.3	2672.4
177.5°	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2661.7	2656.1	2653.3	2659.3	2671.2
180°	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9



TEST NUMBER: P936030
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	3865.9	3854.5	3869.6	3827.9	3869.6	3854.5	3865.9	3892.4	3869.6	3884.8	3900.0
5°	3392.1	3373.2	3312.5	3263.3	3312.5	3373.2	3392.1	3471.7	3509.6	3577.8	3668.8
7.5°	3032.1	3016.9	3001.8	2971.4	3001.8	3016.9	3032.1	3054.7	3092.7	3153.3	3221.6
10°	2952.4	2956.3	2979.0	2975.2	2979.0	2956.3	2952.4	2944.9	2933.5	2944.9	2986.6
12.5°	3157.2	3191.2	3316.3	3308.7	3316.3	3191.2	3157.2	3005.5	2903.2	2884.3	2891.8
15°	3392.1	3403.5	3430.1	3433.8	3430.1	3403.5	3392.1	3331.5	3024.4	2891.8	2850.1
17.5°	3414.9	3418.7	3437.6	3437.6	3437.6	3418.7	3414.9	3388.4	3286.0	3107.8	2872.9
20°	3395.9	3403.5	3441.3	3449.0	3441.3	3403.5	3395.9	3361.8	3305.0	3240.5	3062.4
22.5°	3388.4	3403.5	3433.8	3430.1	3433.8	3403.5	3388.4	3335.3	3286.0	3240.5	3168.5
25°	3350.4	3350.4	3354.2	3358.0	3354.2	3350.4	3350.4	3308.7	3210.2	3198.8	3157.2
27.5°	3270.8	3278.4	3301.2	3297.3	3301.2	3278.4	3270.8	3255.6	3149.5	3138.2	3107.8
30°	3198.8	3191.2	3172.3	3157.2	3172.3	3191.2	3198.8	3176.1	3070.0	3039.6	3047.2
32.5°	3077.5	3058.6	3039.6	3028.3	3039.6	3058.6	3077.5	3070.0	2990.4	2948.7	2956.3
35°	2933.5	2937.3	2933.5	2922.1	2933.5	2937.3	2933.5	2941.1	2891.8	2853.9	2850.1
37.5°	2831.2	2838.7	2835.0	2819.8	2835.0	2838.7	2831.2	2823.6	2755.4	2744.0	2751.6
40°	2725.1	2728.9	2725.1	2713.7	2725.1	2728.9	2725.1	2709.9	2615.2	2618.9	2645.5
42.5°	2622.7	2618.9	2607.5	2600.0	2607.5	2618.9	2622.7	2600.0	2478.7	2467.4	2516.6
45°	2505.2	2509.1	2486.3	2474.9	2486.3	2509.1	2505.2	2490.1	2365.0	2334.6	2368.8
47.5°	2387.7	2387.7	2368.8	2357.4	2368.8	2387.7	2387.7	2368.8	2236.2	2205.8	2224.8
50°	2262.6	2258.9	2232.3	2228.6	2232.3	2258.9	2262.6	2251.3	2111.1	2084.5	2084.5
52.5°	2118.6	2118.6	2122.5	2130.0	2122.5	2118.6	2118.6	2122.5	1997.4	1970.8	1963.3
55°	1993.6	1997.4	2023.9	2031.4	2023.9	1997.4	1993.6	1993.6	1879.9	1853.4	1838.2
57.5°	1864.7	1864.7	1883.7	1883.7	1883.7	1864.7	1864.7	1857.1	1747.3	1724.5	1716.9
60°	1716.9	1724.5	1739.6	1735.9	1739.6	1724.5	1716.9	1709.3	1614.5	1599.4	1572.8
62.5°	1561.5	1569.1	1572.8	1565.3	1572.8	1569.1	1561.5	1538.8	1481.9	1470.5	1436.4
65°	1398.5	1406.1	1409.9	1402.4	1409.9	1406.1	1398.5	1387.1	1345.5	1326.5	1296.2
67.5°	1231.8	1227.9	1224.2	1239.3	1224.2	1227.9	1231.8	1216.7	1190.1	1174.9	1133.2
70°	1061.2	1061.2	1057.5	1065.0	1057.5	1061.2	1061.2	1049.8	1034.7	1023.3	985.5
72.5°	879.3	875.5	890.7	879.3	890.7	875.5	879.3	875.5	867.9	856.6	818.7
75°	701.2	708.7	701.2	712.6	701.2	708.7	701.2	704.9	701.2	693.6	667.0
77.5°	534.4	542.0	534.4	534.4	534.4	542.0	534.4	538.1	538.1	538.1	515.5
80°	379.0	375.2	375.2	371.4	375.2	375.2	379.0	379.0	382.8	375.2	367.7
82.5°	242.6	238.8	238.8	246.3	238.8	238.8	242.6	246.3	238.8	238.8	238.8
85°	132.6	136.4	128.9	128.9	128.9	136.4	132.6	125.1	132.6	132.6	128.9
87.5°	49.2	45.5	45.5	45.5	45.5	45.5	49.2	53.1	53.1	53.1	56.9
90°	68.0	68.0	68.0	68.0	68.0	68.0	68.0	90.6	120.9	136.0	116.8
92.5°	339.9	326.4	272.3	218.3	272.3	326.4	339.9	481.8	671.1	765.7	672.3
95°	1154.0	1113.1	949.2	785.4	949.2	1113.1	1154.0	1515.5	1997.3	2238.3	1890.4
97.5°	2664.0	2586.1	2274.4	1962.7	2274.4	2586.1	2664.0	2892.5	3197.0	3349.3	2769.2
100°	3741.1	3648.3	3277.0	2905.6	3277.0	3648.3	3741.1	3724.4	3702.1	3691.0	3047.3
102.5°	4660.8	4581.2	4263.2	3945.1	4263.2	4581.2	4660.8	4369.7	3981.7	3787.7	3134.8
105°	5734.2	5691.5	5520.6	5349.6	5520.6	5691.5	5734.2	5081.8	4211.8	3776.9	3144.7
107.5°	6292.4	6302.7	6344.1	6385.5	6344.1	6302.7	6292.4	5382.3	4168.9	3562.2	3004.7
110°	6435.6	6480.1	6658.3	6836.4	6658.3	6480.1	6435.6	5418.2	4061.6	3383.3	2880.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6344.3	6412.7	6686.3	6959.8	6686.3	6412.7	6344.3	5303.0	3914.7	3220.5	2772.4
115°	6034.8	6129.7	6508.9	6888.2	6508.9	6129.7	6034.8	5031.7	3694.3	3025.5	2648.2
117.5°	5607.2	5712.4	6133.0	6553.7	6133.0	5712.4	5607.2	4701.9	3494.8	2891.2	2570.3
120°	5319.1	5421.3	5830.0	6238.8	5830.0	5421.3	5319.1	4491.9	3389.0	2837.6	2544.1
122.5°	5031.1	5131.9	5535.1	5938.2	5535.1	5131.9	5031.1	4286.2	3293.0	2796.5	2530.5
125°	4650.0	4742.8	5114.2	5485.6	5114.2	4742.8	4650.0	4017.3	3173.6	2751.7	2519.2
127.5°	4344.1	4422.4	4735.7	5049.0	4735.7	4422.4	4344.1	3800.8	3076.4	2714.2	2512.6
130°	4150.8	4223.2	4512.7	4802.1	4512.7	4223.2	4150.8	3667.2	3022.2	2699.8	2516.5
132.5°	3986.3	4051.1	4310.2	4569.5	4310.2	4051.1	3986.3	3553.3	2976.0	2687.3	2519.1
135°	3753.6	3809.5	4032.9	4256.4	4032.9	3809.5	3753.6	3391.0	2907.6	2665.9	2516.8
137.5°	3581.9	3627.6	3810.5	3993.3	3810.5	3627.6	3581.9	3275.3	2866.6	2662.2	2532.2
140°	3444.1	3486.9	3657.8	3828.8	3657.8	3486.9	3444.1	3179.3	2826.2	2649.7	2534.8
142.5°	3347.5	3384.3	3531.4	3678.5	3531.4	3384.3	3347.5	3114.9	2804.8	2649.7	2544.0
145°	3202.6	3230.4	3341.8	3453.1	3341.8	3230.4	3202.6	3012.3	2758.6	2631.8	2544.0
147.5°	3080.9	3104.0	3196.3	3288.4	3196.3	3104.0	3080.9	2931.2	2731.7	2631.8	2561.4
150°	3011.1	3029.8	3104.6	3179.3	3104.6	3029.8	3011.1	2884.7	2716.2	2631.8	2570.6
152.5°	2955.7	2969.8	3026.3	3082.7	3026.3	2969.8	2955.7	2847.7	2703.8	2631.8	2576.6
155°	2889.5	2898.9	2936.2	2973.6	2936.2	2898.9	2889.5	2803.7	2689.1	2631.8	2589.7
157.5°	2832.2	2838.8	2865.0	2891.2	2865.0	2838.8	2832.2	2765.4	2676.4	2631.8	2602.8
160°	2803.6	2807.4	2822.5	2837.6	2822.5	2807.4	2803.6	2746.3	2670.0	2631.8	2608.8
162.5°	2776.8	2780.3	2794.7	2809.0	2794.7	2780.3	2776.8	2728.5	2664.0	2631.8	2615.1
165°	2735.6	2739.4	2754.5	2769.6	2754.5	2739.4	2735.6	2701.0	2654.9	2631.8	2624.3
167.5°	2717.7	2719.3	2725.6	2732.0	2725.6	2719.3	2717.7	2695.0	2664.8	2649.7	2643.4
170°	2717.7	2717.7	2717.7	2717.7	2717.7	2717.7	2717.7	2695.0	2664.8	2649.7	2649.3
172.5°	2703.4	2702.0	2696.5	2690.9	2696.5	2702.0	2703.4	2685.6	2661.7	2649.7	2649.7
175°	2683.7	2683.7	2683.7	2683.7	2683.7	2683.7	2683.7	2672.4	2657.3	2649.7	2653.3
177.5°	2680.1	2678.5	2672.2	2665.9	2672.2	2678.5	2680.1	2671.2	2659.3	2653.3	2656.1
180°	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9	2665.9



TEST NUMBER: P936030

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	3956.8	3975.8	3987.1	4002.3	4040.2
5°	3805.3	3877.3	3900.0	3956.8	4025.1
7.5°	3471.7	3691.6	3752.2	3888.6	3994.7
10°	3149.5	3369.3	3475.5	3797.6	3956.8
12.5°	2986.6	3115.5	3187.5	3638.5	3903.8
15°	2884.3	2975.2	3028.3	3426.2	3843.1
17.5°	2804.6	2869.1	2907.0	3217.8	3759.8
20°	2755.4	2785.7	2819.8	3066.1	3665.0
22.5°	2721.2	2702.3	2728.9	2960.1	3536.1
25°	2698.6	2626.6	2656.9	2876.7	3384.5
27.5°	2717.5	2558.3	2569.7	2800.9	3225.3
30°	2721.2	2474.9	2478.7	2721.2	3047.2
32.5°	2694.7	2387.7	2391.5	2622.7	2846.3
35°	2630.3	2285.4	2281.7	2509.1	2573.5
37.5°	2543.1	2175.5	2175.5	2384.0	2274.0
40°	2437.0	2065.6	2076.9	2220.9	2008.8
42.5°	2308.2	1948.1	1963.3	2004.9	1811.7
45°	2167.9	1834.4	1845.7	1694.2	1660.0
47.5°	2012.5	1716.9	1720.7	1406.1	1610.8
50°	1826.8	1595.6	1580.5	1205.3	1607.0
52.5°	1663.9	1463.0	1417.5	1091.5	1459.2
55°	1504.7	1322.7	1224.2	1004.4	1353.0
57.5°	1364.4	1140.8	1046.1	902.1	1330.4
60°	1235.6	962.7	890.7	792.1	1220.4
62.5°	1129.5	830.1	814.9	716.3	1106.7
65°	1015.8	739.0	735.3	651.9	939.9
67.5°	905.8	678.4	674.6	591.2	716.3
70°	788.4	614.0	606.4	526.9	530.6
72.5°	667.0	542.0	534.4	473.8	439.7
75°	545.8	458.6	454.8	413.1	356.3
77.5°	428.3	363.8	371.4	333.5	261.5
80°	307.0	265.3	272.9	238.8	197.1
82.5°	204.6	174.3	182.0	151.6	132.6
85°	113.7	98.6	102.3	79.6	60.6
87.5°	53.1	45.5	45.5	30.3	18.9
90°	78.7	50.1	46.6	32.2	17.9
92.5°	485.5	345.3	314.9	193.2	71.5
95°	1194.6	672.7	617.0	394.3	171.7
97.5°	1609.1	738.9	689.8	493.4	297.0
100°	1760.0	794.4	749.8	571.7	393.6
102.5°	1829.1	849.9	808.3	642.1	475.9
105°	1880.4	932.2	897.0	756.3	615.5
107.5°	1889.9	1053.8	1021.0	889.8	758.6
110°	1875.7	1121.8	1092.2	973.7	855.2



TEST NUMBER: P936030

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1876.2	1204.1	1175.9	1063.0	950.1
115°	1893.5	1327.6	1301.6	1197.3	1093.2
117.5°	1928.6	1447.4	1423.8	1329.1	1234.5
120°	1957.3	1517.2	1494.9	1405.9	1316.8
122.5°	1998.5	1599.5	1577.0	1487.2	1397.3
125°	2054.0	1705.1	1684.6	1602.7	1520.8
127.5°	2109.4	1807.0	1786.4	1703.6	1620.9
130°	2149.9	1875.0	1852.7	1763.7	1674.7
132.5°	2182.7	1930.5	1908.2	1819.2	1730.1
135°	2218.6	1994.9	1974.6	1893.5	1812.4
137.5°	2272.2	2077.2	2057.2	1976.8	1896.5
140°	2305.0	2132.7	2114.2	2040.2	1966.3
142.5°	2332.4	2173.8	2156.7	2088.3	2020.0
145°	2368.2	2236.4	2221.5	2162.0	2102.3
147.5°	2420.7	2315.1	2300.6	2242.6	2184.5
150°	2448.1	2356.3	2343.2	2290.8	2238.3
152.5°	2466.0	2383.1	2373.2	2333.5	2293.7
155°	2505.4	2442.2	2434.8	2405.5	2376.0
157.5°	2544.7	2501.2	2494.0	2465.4	2436.9
160°	2562.7	2528.1	2522.5	2500.3	2478.0
162.5°	2581.7	2556.7	2552.5	2535.8	2519.1
165°	2609.2	2597.9	2594.1	2578.9	2563.8
167.5°	2630.7	2621.1	2619.3	2612.2	2605.1
170°	2648.6	2648.0	2646.2	2639.0	2631.8
172.5°	2649.7	2649.7	2649.3	2647.7	2646.2
175°	2660.5	2665.9	2665.9	2665.9	2665.9
177.5°	2661.7	2665.9	2665.9	2665.9	2665.9
180°	2665.9	2665.9	2665.9	2665.9	2665.9



TEST NUMBER: P936030
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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	12.28	13.04	13.34	14.11	15.54	15.14	15.90	16.19	16.96	18.39
	3H	12.75	13.43	13.82	14.50	15.96	16.48	17.16	17.55	18.23	19.69
	4H	12.94	13.58	14.02	14.66	16.12	16.92	17.57	18.00	18.64	20.10
	6H	13.05	13.65	14.14	14.72	16.20	17.21	17.80	18.30	18.88	20.35
	8H	13.05	13.62	14.14	14.71	16.18	17.28	17.85	18.37	18.94	20.41
	12H	13.02	13.56	14.12	14.64	16.13	17.32	17.86	18.42	18.94	20.44
4H	2H	13.31	13.95	14.39	15.03	16.49	15.53	16.18	16.62	17.25	18.71
	3H	14.33	14.86	15.42	15.96	17.44	17.03	17.57	18.13	18.67	20.15
	4H	14.60	15.09	15.70	16.18	17.68	17.56	18.06	18.66	19.14	20.64
	6H	14.72	15.14	15.82	16.25	17.74	17.93	18.35	19.03	19.46	20.95
	8H	14.72	15.12	15.83	16.22	17.73	18.03	18.43	19.14	19.53	21.04
	12H	14.68	15.04	15.81	16.16	17.67	18.09	18.45	19.21	19.56	21.08
8H	4H	15.05	15.44	16.15	16.55	18.05	17.68	18.07	18.78	19.18	20.68
	6H	15.30	15.63	16.43	16.78	18.28	18.12	18.44	19.24	19.59	21.09
	8H	15.35	15.63	16.48	16.76	18.28	18.27	18.56	19.40	19.68	21.21
	12H	15.33	15.58	16.46	16.70	18.26	18.37	18.62	19.51	19.74	21.30
12H	4H	15.05	15.41	16.17	16.52	18.04	17.64	17.99	18.76	19.11	20.62
	6H	15.37	15.65	16.50	16.78	18.30	18.11	18.40	19.25	19.52	21.05
	8H	15.43	15.68	16.56	16.80	18.36	18.27	18.52	19.41	19.65	21.21