

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: P935677

Luminaire Tested: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935677
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

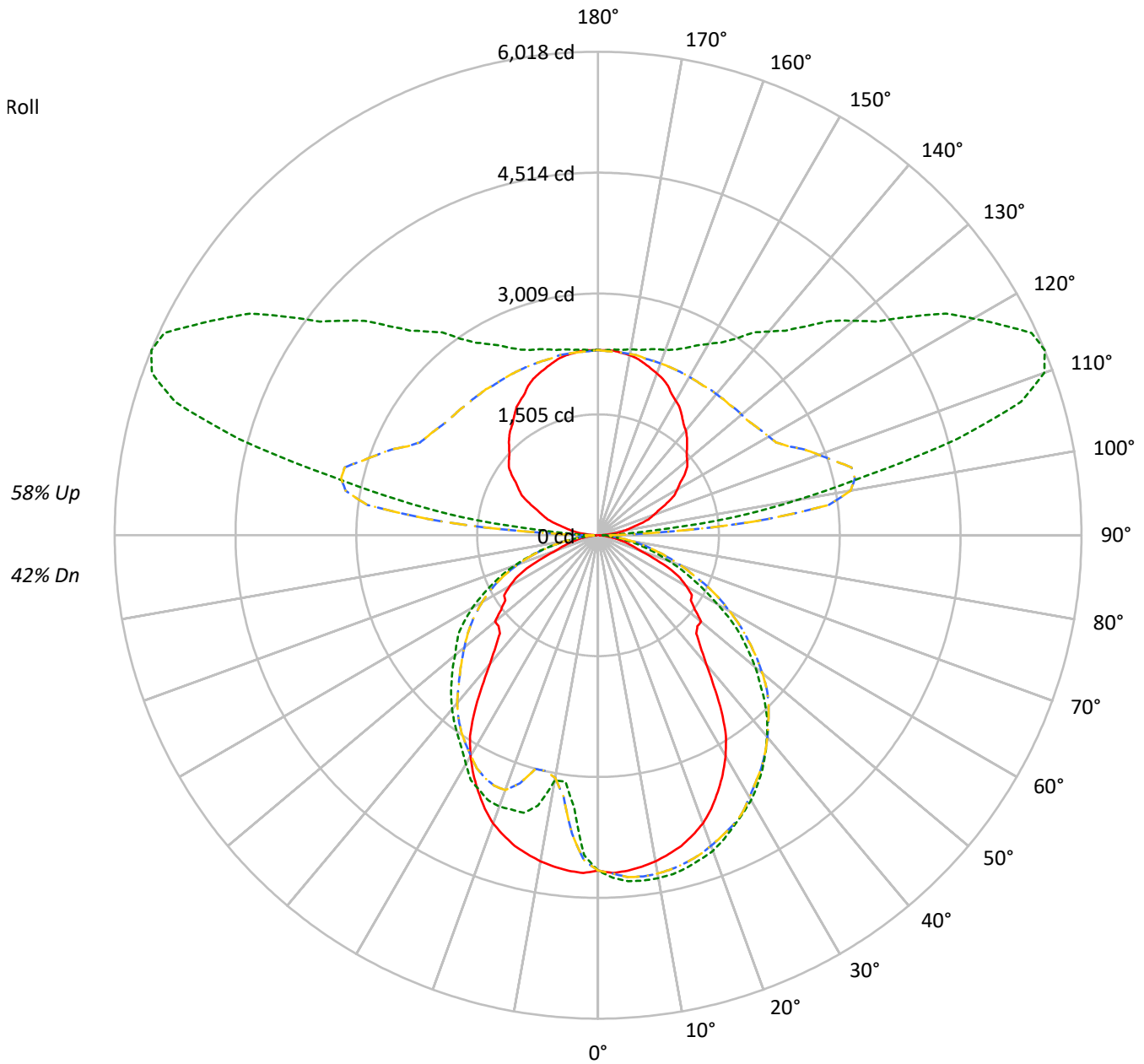
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25771.5 lumens
Efficiency: N/A
Efficacy: 133.4 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: General Diffuse

Input Watts (W): 193.2
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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12907	12907	12907	12907
5°	13008	13029	13008	10245
10°	12926	12834	12926	9176
15°	12790	12556	12790	10485
20°	12528	12227	12528	10507
25°	11985	11747	11985	10284
30°	11282	11348	11282	9795
35°	10063	10843	10063	9258
40°	8390	10249	8390	8852
45°	7501	9554	7501	8385
50°	7976	8725	7976	7917
55°	7510	7831	7510	7646
60°	7752	6651	7752	7003
65°	7040	5498	7040	6146
70°	4886	4382	4886	5151
75°	4301	3239	4301	3879
80°	3492	2141	3492	2331
85°	2045	1134	2045	965

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11489 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.7	1.5
10°-20°	1069.5	4.1
20°-30°	1653.2	6.4
30°-40°	1973.6	7.7
40°-50°	1985.2	7.7
50°-60°	1727.3	6.7
60°-70°	1224.7	4.8
70°-80°	647.9	2.5
80°-90°	170.2	0.7
90°-100°	1123.6	4.4
100°-110°	2954.1	11.5
110°-120°	3063.1	11.9
120°-130°	2457.0	9.5
130°-140°	1927.8	7.5
140°-150°	1479.7	5.7
150°-160°	1065.6	4.1
160°-170°	652.0	2.5
170°-180°	220.3	0.9
0°-30°	3099.4	12.0
0°-40°	5073.0	19.7
0°-60°	8785.5	34.1
0°-90°	10828.3	42.0
90°-120°	7140.8	27.7
90°-150°	13005.2	50.5
90°-180°	14943.0	58.0
0°-180°	25771.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4173	4173	4173	4173	4173	
5°	4193	4323	4193	3399	4193	398
15°	4003	4283	4003	3577	4003	1126
25°	3525	3995	3525	3498	3525	1619
35°	2681	3565	2681	3044	2681	1658
45°	1729	2937	1729	2578	1729	1385
55°	1409	2167	1409	2116	1409	1295
65°	979	1307	979	1461	979	936
75°	371	620	371	742	371	390
85°	63	158	63	134	63	85
90°	15	59	15	59	15	15
95°	148	679	148	679	148	165
105°	532	4626	532	4626	532	564
115°	945	5956	945	5956	945	934
125°	1315	4743	1315	4743	1315	1167
135°	1567	3680	1567	3680	1567	1213
145°	1818	2986	1818	2986	1818	1139
155°	2054	2571	2054	2571	2054	944
165°	2217	2395	2217	2395	2217	626
175°	2305	2321	2305	2321	2305	219
180°	2305	2305	2305	2305	2305	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4208.4	4208.4	4232.1	4240.0	4240.0	4228.1	4216.3	4228.1	4263.7	4275.5	4271.5
5°	4192.7	4224.2	4267.7	4275.5	4283.4	4279.5	4271.5	4279.5	4319.0	4326.8	4330.8
7.5°	4161.0	4220.3	4275.5	4287.4	4299.2	4287.4	4283.4	4291.4	4330.8	4338.7	4338.7
10°	4121.5	4204.5	4267.7	4275.5	4287.4	4275.5	4275.5	4291.4	4330.8	4338.7	4342.7
12.5°	4066.3	4180.8	4240.0	4247.9	4263.7	4259.7	4255.8	4271.5	4311.1	4319.0	4319.0
15°	4003.1	4137.4	4192.7	4200.5	4228.1	4220.3	4220.3	4236.1	4279.5	4291.4	4287.4
17.5°	3916.3	4082.1	4145.3	4157.1	4176.8	4172.8	4176.8	4192.7	4232.1	4240.0	4244.0
20°	3817.6	4007.1	4082.1	4094.0	4113.7	4113.7	4113.7	4133.4	4172.8	4188.7	4188.7
22.5°	3683.3	3928.1	4007.1	4015.0	4038.7	4038.7	4046.5	4074.1	4109.7	4113.7	4113.7
25°	3525.4	3841.3	3908.4	3932.1	3955.7	3967.6	3979.4	3995.3	4007.1	4003.1	4007.1
27.5°	3359.6	3730.7	3817.6	3833.4	3865.0	3876.8	3892.6	3896.6	3900.4	3912.3	3904.4
30°	3174.1	3576.7	3707.0	3722.8	3774.1	3782.0	3766.3	3774.1	3793.9	3801.8	3809.7
32.5°	2964.8	3347.8	3592.6	3628.0	3675.4	3651.7	3647.8	3659.7	3691.3	3691.3	3699.1
35°	2680.6	3170.2	3486.0	3517.6	3553.0	3525.4	3541.2	3545.2	3564.9	3576.7	3572.9
37.5°	2368.7	3016.2	3375.4	3399.1	3426.7	3391.2	3414.9	3426.7	3442.6	3434.6	3434.6
40°	2092.4	2775.4	3245.2	3260.9	3284.6	3257.0	3280.6	3288.6	3296.5	3288.6	3284.6
42.5°	1887.1	2510.8	3106.9	3126.7	3110.9	3130.6	3138.5	3154.3	3142.5	3126.7	3126.7
45°	1729.2	2439.8	2956.9	2980.6	2956.9	2988.5	3000.4	3000.4	2964.8	2956.9	2953.0
47.5°	1677.9	2297.7	2806.9	2806.9	2795.1	2834.5	2854.3	2826.6	2791.1	2779.3	2779.3
50°	1673.9	2139.7	2601.7	2585.8	2641.1	2688.5	2668.8	2641.1	2613.5	2570.1	2570.1
52.5°	1519.9	1946.3	2337.1	2396.4	2483.2	2510.8	2479.2	2451.7	2404.2	2384.5	2368.7
55°	1409.3	1745.0	2096.3	2214.7	2305.5	2341.1	2281.8	2254.2	2183.1	2171.3	2163.4
57.5°	1385.7	1452.8	1875.3	2025.3	2135.8	2131.8	2096.3	2045.0	1985.7	1974.0	1970.0
60°	1271.2	1050.1	1638.3	1816.0	1930.5	1918.7	1887.1	1839.7	1784.4	1776.6	1768.6
62.5°	1152.8	761.9	1369.9	1571.3	1733.1	1729.2	1701.6	1630.5	1591.0	1571.3	1555.5
65°	979.1	639.5	975.1	1306.8	1539.6	1547.6	1488.3	1437.0	1393.6	1369.9	1365.9
67.5°	746.1	521.1	659.3	1089.6	1354.2	1346.2	1271.2	1247.5	1192.2	1180.4	1156.8
70°	552.7	347.4	458.0	884.3	1172.5	1152.8	1093.5	1065.9	1014.6	986.9	971.2
72.5°	458.0	280.3	335.6	686.9	986.9	963.2	911.9	880.4	836.9	813.2	797.5
75°	371.1	296.1	256.6	509.3	801.4	785.6	738.2	706.7	671.1	639.5	643.5
77.5°	272.4	276.4	205.3	375.1	635.6	611.9	584.3	544.8	529.0	497.4	497.4
80°	205.3	217.1	154.0	256.6	458.0	458.0	434.3	406.7	379.0	363.2	363.2
82.5°	138.1	138.1	114.4	161.8	311.8	300.0	284.3	276.4	260.6	252.7	252.7
85°	63.1	79.0	71.0	98.7	169.7	177.7	177.7	169.7	165.8	157.9	161.8
87.5°	19.7	35.6	43.4	55.3	86.9	90.8	94.7	94.7	94.7	98.7	98.7
90°	15.4	27.8	40.2	43.3	68.0	101.0	117.5	104.5	78.4	58.8	58.8
92.5°	61.9	167.0	272.3	298.6	419.8	581.4	662.1	580.3	416.6	293.9	282.3
95°	148.5	341.0	533.6	581.7	1032.9	1634.5	1935.3	1727.0	1310.3	997.9	962.4
97.5°	256.8	426.6	596.5	638.9	1391.3	2394.5	2896.1	2764.4	2501.1	2303.5	2236.1
100°	340.3	494.4	648.4	686.9	1521.8	2635.0	3191.6	3201.2	3220.5	3234.9	3154.6
102.5°	411.5	555.3	698.9	734.8	1581.6	2710.6	3275.1	3442.9	3778.4	4030.1	3961.4
105°	532.2	653.9	775.6	806.1	1626.0	2719.2	3265.8	3641.9	4394.2	4958.3	4921.3
107.5°	656.0	769.4	882.9	911.2	1634.2	2598.3	3080.2	3604.8	4654.0	5440.9	5449.9
110°	739.5	841.9	944.4	970.0	1621.8	2490.9	2925.5	3512.0	4685.0	5564.8	5603.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	821.5	919.1	1016.7	1041.1	1622.3	2397.3	2784.7	3385.0	4585.5	5485.9	5545.0
115°	945.2	1035.2	1125.4	1147.9	1637.3	2289.8	2616.1	3194.4	4350.8	5218.2	5300.2
117.5°	1067.5	1149.3	1231.2	1251.6	1667.7	2222.6	2500.1	3022.0	4065.7	4848.4	4939.4
120°	1138.6	1215.6	1292.7	1311.9	1692.5	2200.0	2453.6	2930.5	3884.2	4599.4	4687.8
122.5°	1208.2	1285.9	1363.6	1383.0	1728.1	2188.1	2418.1	2847.5	3706.2	4350.3	4437.5
125°	1315.0	1385.8	1456.6	1474.4	1776.1	2178.3	2379.3	2744.1	3473.6	4020.8	4101.0
127.5°	1401.7	1473.2	1544.7	1562.5	1824.0	2172.6	2346.9	2660.0	3286.4	3756.2	3823.9
130°	1448.1	1525.1	1602.1	1621.3	1859.0	2176.1	2334.5	2613.3	3171.0	3589.2	3651.7
132.5°	1496.0	1573.0	1650.1	1669.3	1887.4	2178.3	2323.7	2573.3	3072.5	3446.9	3502.9
135°	1567.2	1637.3	1707.4	1725.0	1918.4	2176.3	2305.1	2514.2	2932.2	3245.8	3294.1
137.5°	1639.9	1709.3	1778.8	1796.1	1964.7	2189.6	2302.1	2478.7	2832.1	3097.2	3136.7
140°	1700.2	1764.1	1828.1	1844.1	1993.1	2191.8	2291.2	2443.8	2749.1	2978.0	3015.0
142.5°	1746.6	1805.7	1864.9	1879.7	2016.8	2199.8	2291.2	2425.3	2693.5	2894.6	2926.3
145°	1817.8	1869.4	1921.0	1933.8	2047.8	2199.8	2275.8	2385.4	2604.7	2769.2	2793.3
147.5°	1888.9	1939.1	1989.3	2001.9	2093.2	2214.9	2275.8	2362.0	2534.6	2664.0	2683.9
150°	1935.3	1980.7	2026.2	2037.5	2116.9	2222.8	2275.8	2348.7	2494.4	2603.6	2619.8
152.5°	1983.3	2017.7	2052.2	2060.7	2132.4	2228.0	2275.8	2338.0	2462.4	2555.7	2568.0
155°	2054.4	2079.9	2105.3	2111.7	2166.4	2239.3	2275.8	2325.3	2424.3	2498.5	2506.5
157.5°	2107.1	2131.8	2156.6	2162.8	2200.5	2250.7	2275.8	2314.2	2391.2	2449.0	2454.6
160°	2142.7	2161.9	2181.2	2186.0	2215.9	2255.8	2275.8	2308.7	2374.8	2424.3	2427.6
162.5°	2178.3	2192.7	2207.1	2210.7	2232.4	2261.3	2275.8	2303.6	2359.3	2401.1	2404.1
165°	2216.9	2229.9	2243.0	2246.3	2256.1	2269.2	2275.8	2295.7	2335.5	2365.4	2368.7
167.5°	2252.6	2258.7	2264.9	2266.4	2274.7	2285.7	2291.2	2304.2	2330.3	2350.0	2351.4
170°	2275.8	2281.9	2288.1	2289.6	2290.1	2290.8	2291.2	2304.2	2330.3	2350.0	2350.0
172.5°	2288.1	2289.5	2290.9	2291.2	2291.2	2291.2	2291.2	2301.6	2322.2	2337.6	2336.4
175°	2305.1	2305.1	2305.1	2305.1	2300.5	2294.3	2291.2	2297.8	2310.8	2320.6	2320.6
177.5°	2305.1	2305.1	2305.1	2305.1	2301.6	2296.7	2294.3	2299.5	2309.7	2317.5	2316.1
180°	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4279.5	4267.7	4279.5	4271.5	4275.5	4263.7	4228.1	4216.3	4228.1	4240.0	4240.0
5°	4330.8	4322.9	4330.8	4330.8	4326.8	4319.0	4279.5	4271.5	4279.5	4283.4	4275.5
7.5°	4346.5	4334.8	4346.5	4338.7	4338.7	4330.8	4291.4	4283.4	4287.4	4299.2	4287.4
10°	4346.5	4334.8	4346.5	4342.7	4338.7	4330.8	4291.4	4275.5	4275.5	4287.4	4275.5
12.5°	4326.8	4319.0	4326.8	4319.0	4319.0	4311.1	4271.5	4255.8	4259.7	4263.7	4247.9
15°	4295.2	4283.4	4295.2	4287.4	4291.4	4279.5	4236.1	4220.3	4220.3	4228.1	4200.5
17.5°	4247.9	4232.1	4247.9	4244.0	4240.0	4232.1	4192.7	4176.8	4172.8	4176.8	4157.1
20°	4192.7	4180.8	4192.7	4188.7	4188.7	4172.8	4133.4	4113.7	4113.7	4113.7	4094.0
22.5°	4105.8	4094.0	4105.8	4113.7	4113.7	4109.7	4074.1	4046.5	4038.7	4038.7	4015.0
25°	4007.1	3995.3	4007.1	4007.1	4003.1	4007.1	3995.3	3979.4	3967.6	3955.7	3932.1
27.5°	3912.3	3904.4	3912.3	3904.4	3912.3	3900.4	3896.6	3892.6	3876.8	3865.0	3833.4
30°	3817.6	3809.7	3817.6	3809.7	3801.8	3793.9	3774.1	3766.3	3782.0	3774.1	3722.8
32.5°	3699.1	3691.3	3699.1	3699.1	3691.3	3691.3	3659.7	3647.8	3651.7	3675.4	3628.0
35°	3576.7	3564.9	3576.7	3572.9	3576.7	3564.9	3545.2	3541.2	3525.4	3553.0	3517.6
37.5°	3434.6	3422.8	3434.6	3434.6	3434.6	3442.6	3426.7	3414.9	3391.2	3426.7	3399.1
40°	3288.6	3272.8	3288.6	3284.6	3288.6	3296.5	3288.6	3280.6	3257.0	3284.6	3260.9
42.5°	3122.8	3118.8	3122.8	3126.7	3126.7	3142.5	3154.3	3138.5	3130.6	3110.9	3126.7
45°	2945.1	2937.2	2945.1	2953.0	2956.9	2964.8	3000.4	3000.4	2988.5	2956.9	2980.6
47.5°	2755.6	2735.9	2755.6	2779.3	2779.3	2791.1	2826.6	2854.3	2834.5	2795.1	2806.9
50°	2554.2	2558.2	2554.2	2570.1	2570.1	2613.5	2641.1	2668.8	2688.5	2641.1	2585.8
52.5°	2356.8	2353.0	2356.8	2368.7	2384.5	2404.2	2451.7	2479.2	2510.8	2483.2	2396.4
55°	2159.4	2167.4	2159.4	2163.4	2171.3	2183.1	2254.2	2281.8	2341.1	2305.5	2214.7
57.5°	1962.1	1950.3	1962.1	1970.0	1974.0	1985.7	2045.0	2096.3	2131.8	2135.8	2025.3
60°	1733.1	1717.3	1733.1	1768.6	1776.6	1784.4	1839.7	1887.1	1918.7	1930.5	1816.0
62.5°	1531.7	1504.2	1531.7	1555.5	1571.3	1591.0	1630.5	1701.6	1729.2	1733.1	1571.3
65°	1318.6	1306.8	1318.6	1365.9	1369.9	1393.6	1437.0	1488.3	1547.6	1539.6	1306.8
67.5°	1125.2	1125.2	1125.2	1156.8	1180.4	1192.2	1247.5	1271.2	1346.2	1354.2	1089.6
70°	947.5	943.5	947.5	971.2	986.9	1014.6	1065.9	1093.5	1152.8	1172.5	884.3
72.5°	777.8	773.8	777.8	797.5	813.2	836.9	880.4	911.9	963.2	986.9	686.9
75°	627.7	619.8	627.7	643.5	639.5	671.1	706.7	738.2	785.6	801.4	509.3
77.5°	481.7	481.7	481.7	497.4	497.4	529.0	544.8	584.3	611.9	635.6	375.1
80°	359.3	355.3	359.3	363.2	363.2	379.0	406.7	434.3	458.0	458.0	256.6
82.5°	252.7	244.7	252.7	252.7	252.7	260.6	276.4	284.3	300.0	311.8	161.8
85°	157.9	157.9	157.9	161.8	157.9	165.8	169.7	177.7	177.7	169.7	98.7
87.5°	102.7	98.7	102.7	98.7	98.7	94.7	94.7	94.7	90.8	86.9	55.3
90°	58.8	58.8	58.8	58.8	58.8	78.4	104.5	117.5	101.0	68.0	43.3
92.5°	235.5	188.7	235.5	282.3	293.9	416.6	580.3	662.1	581.4	419.8	298.6
95°	820.8	679.2	820.8	962.4	997.9	1310.3	1727.0	1935.3	1634.5	1032.9	581.7
97.5°	1966.6	1697.1	1966.6	2236.1	2303.5	2501.1	2764.4	2896.1	2394.5	1391.3	638.9
100°	2833.5	2512.4	2833.5	3154.6	3234.9	3220.5	3201.2	3191.6	2635.0	1521.8	686.9
102.5°	3686.3	3411.3	3686.3	3961.4	4030.1	3778.4	3442.9	3275.1	2710.6	1581.6	734.8
105°	4773.5	4625.7	4773.5	4921.3	4958.3	4394.2	3641.9	3265.8	2719.2	1626.0	806.1
107.5°	5485.7	5521.4	5485.7	5449.9	5440.9	4654.0	3604.8	3080.2	2598.3	1634.2	911.2
110°	5757.3	5911.3	5757.3	5603.3	5564.8	4685.0	3512.0	2925.5	2490.9	1621.8	970.0



TEST NUMBER: P935677

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5781.5	6018.0	5781.5	5545.0	5485.9	4585.5	3385.0	2784.7	2397.3	1622.3	1041.1
115°	5628.2	5956.2	5628.2	5300.2	5218.2	4350.8	3194.4	2616.1	2289.8	1637.3	1147.9
117.5°	5303.1	5666.8	5303.1	4939.4	4848.4	4065.7	3022.0	2500.1	2222.6	1667.7	1251.6
120°	5041.2	5394.5	5041.2	4687.8	4599.4	3884.2	2930.5	2453.6	2200.0	1692.5	1311.9
122.5°	4786.1	5134.7	4786.1	4437.5	4350.3	3706.2	2847.5	2418.1	2188.1	1728.1	1383.0
125°	4422.1	4743.3	4422.1	4101.0	4020.8	3473.6	2744.1	2379.3	2178.3	1776.1	1474.4
127.5°	4094.9	4365.8	4094.9	3823.9	3756.2	3286.4	2660.0	2346.9	2172.6	1824.0	1562.5
130°	3902.0	4152.3	3902.0	3651.7	3589.2	3171.0	2613.3	2334.5	2176.1	1859.0	1621.3
132.5°	3727.0	3951.1	3727.0	3502.9	3446.9	3072.5	2573.3	2323.7	2178.3	1887.4	1669.3
135°	3487.2	3680.4	3487.2	3294.1	3245.8	2932.2	2514.2	2305.1	2176.3	1918.4	1725.0
137.5°	3294.9	3453.0	3294.9	3136.7	3097.2	2832.1	2478.7	2302.1	2189.6	1964.7	1796.1
140°	3162.9	3310.7	3162.9	3015.0	2978.0	2749.1	2443.8	2291.2	2191.8	1993.1	1844.1
142.5°	3053.5	3180.7	3053.5	2926.3	2894.6	2693.5	2425.3	2291.2	2199.8	2016.8	1879.7
145°	2889.5	2985.8	2889.5	2793.3	2769.2	2604.7	2385.4	2275.8	2199.8	2047.8	1933.8
147.5°	2763.7	2843.5	2763.7	2683.9	2664.0	2534.6	2362.0	2275.8	2214.9	2093.2	2001.9
150°	2684.5	2749.2	2684.5	2619.8	2603.6	2494.4	2348.7	2275.8	2222.8	2116.9	2037.5
152.5°	2616.8	2665.6	2616.8	2568.0	2555.7	2462.4	2338.0	2275.8	2228.0	2132.4	2060.7
155°	2538.9	2571.2	2538.9	2506.5	2498.5	2424.3	2325.3	2275.8	2239.3	2166.4	2111.7
157.5°	2477.4	2500.1	2477.4	2454.6	2449.0	2391.2	2314.2	2275.8	2250.7	2200.5	2162.8
160°	2440.6	2453.6	2440.6	2427.6	2424.3	2374.8	2308.7	2275.8	2255.8	2215.9	2186.0
162.5°	2416.5	2428.8	2416.5	2404.1	2401.1	2359.3	2303.6	2275.8	2261.3	2232.4	2210.7
165°	2381.7	2394.9	2381.7	2368.7	2365.4	2335.5	2295.7	2275.8	2269.2	2256.1	2246.3
167.5°	2356.8	2362.3	2356.8	2351.4	2350.0	2330.3	2304.2	2291.2	2285.7	2274.7	2266.4
170°	2350.0	2350.0	2350.0	2350.0	2350.0	2330.3	2304.2	2291.2	2290.8	2290.1	2289.6
172.5°	2331.5	2326.8	2331.5	2336.4	2337.6	2322.2	2301.6	2291.2	2291.2	2291.2	2291.2
175°	2320.6	2320.6	2320.6	2320.6	2320.6	2310.8	2297.8	2291.2	2294.3	2300.5	2305.1
177.5°	2310.6	2305.1	2310.6	2316.1	2317.5	2309.7	2299.5	2294.3	2296.7	2301.6	2305.1
180°	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4232.1	4208.4	4208.4	4169.0	4153.1	4141.3	4121.5	4062.4	4046.5	4030.7	4054.4
5°	4267.7	4224.2	4192.7	4121.5	4062.4	4038.7	3963.7	3821.6	3726.7	3655.7	3616.3
7.5°	4275.5	4220.3	4161.0	4050.5	3908.4	3845.3	3616.3	3355.7	3284.6	3221.5	3181.9
10°	4267.7	4204.5	4121.5	3955.7	3620.2	3509.6	3280.6	3110.9	3067.5	3055.6	3067.5
12.5°	4240.0	4180.8	4066.3	3790.0	3320.2	3245.2	3110.9	3012.2	3004.3	3024.1	3130.6
15°	4192.7	4137.4	4003.1	3568.9	3154.3	3099.1	3004.3	2968.8	3012.2	3150.3	3470.2
17.5°	4145.3	4082.1	3916.3	3351.7	3028.0	2988.5	2921.4	2992.5	3237.2	3422.8	3529.4
20°	4082.1	4007.1	3817.6	3193.8	2937.2	2901.6	2870.1	3189.9	3375.4	3442.6	3501.7
22.5°	4007.1	3928.1	3683.3	3083.3	2842.5	2814.8	2834.5	3300.4	3375.4	3422.8	3474.1
25°	3908.4	3841.3	3525.4	2996.5	2767.5	2735.9	2810.9	3288.6	3332.0	3343.9	3446.5
27.5°	3817.6	3730.7	3359.6	2917.5	2676.7	2664.8	2830.6	3237.2	3268.9	3280.6	3391.2
30°	3707.0	3576.7	3174.1	2834.5	2581.9	2577.9	2834.5	3174.1	3166.2	3197.8	3308.3
32.5°	3592.6	3347.8	2964.8	2731.9	2491.1	2487.1	2806.9	3079.3	3071.5	3114.9	3197.8
35°	3486.0	3170.2	2680.6	2613.5	2376.7	2380.5	2739.8	2968.8	2972.8	3012.2	3063.5
37.5°	3375.4	3016.2	2368.7	2483.2	2266.1	2266.1	2649.0	2866.2	2858.2	2870.1	2941.2
40°	3245.2	2775.4	2092.4	2313.4	2163.4	2151.6	2538.5	2755.6	2727.9	2724.1	2822.8
42.5°	3106.9	2510.8	1887.1	2088.4	2045.0	2029.2	2404.2	2621.4	2570.1	2581.9	2708.2
45°	2956.9	2439.8	1729.2	1764.7	1922.6	1910.7	2258.1	2467.4	2431.8	2463.5	2593.8
47.5°	2806.9	2297.7	1677.9	1464.6	1792.3	1788.4	2096.3	2317.4	2297.7	2329.2	2467.4
50°	2601.7	2139.7	1673.9	1255.5	1646.3	1662.0	1902.9	2171.3	2171.3	2199.0	2345.0
52.5°	2337.1	1946.3	1519.9	1136.9	1476.5	1523.9	1733.1	2045.0	2052.9	2080.5	2210.8
55°	2096.3	1745.0	1409.3	1046.2	1275.2	1377.8	1567.3	1914.7	1930.5	1958.1	2076.6
57.5°	1875.3	1452.8	1385.7	939.6	1089.6	1188.3	1421.2	1788.4	1796.3	1820.0	1934.4
60°	1638.3	1050.1	1271.2	825.1	927.8	1002.8	1287.0	1638.3	1666.0	1681.7	1780.4
62.5°	1369.9	761.9	1152.8	746.1	848.8	864.6	1176.5	1496.2	1531.7	1543.6	1602.9
65°	975.1	639.5	979.1	679.1	765.9	769.8	1058.1	1350.2	1381.8	1401.5	1444.9
67.5°	659.3	521.1	746.1	615.8	702.7	706.7	943.5	1180.4	1223.8	1239.6	1267.3
70°	458.0	347.4	552.7	548.8	631.7	639.5	821.2	1026.5	1065.9	1077.8	1093.5
72.5°	335.6	280.3	458.0	493.5	556.7	564.5	694.8	852.8	892.2	904.1	911.9
75°	256.6	296.1	371.1	430.3	473.7	477.7	568.5	694.8	722.5	730.4	734.3
77.5°	205.3	276.4	272.4	347.4	386.8	379.0	446.1	536.9	560.5	560.5	560.5
80°	154.0	217.1	205.3	248.7	284.3	276.4	319.8	383.0	390.8	398.7	394.8
82.5°	114.4	138.1	138.1	157.9	189.5	181.6	213.1	248.7	248.7	248.7	256.6
85°	71.0	79.0	63.1	82.9	106.6	102.7	118.4	134.3	138.1	138.1	130.3
87.5°	43.4	35.6	19.7	31.6	47.4	47.4	55.3	59.3	55.3	55.3	55.3
90°	40.2	27.8	15.4	27.8	40.2	43.3	68.0	101.0	117.5	104.5	78.4
92.5°	272.3	167.0	61.9	167.0	272.3	298.6	419.8	581.4	662.1	580.3	416.6
95°	533.6	341.0	148.5	341.0	533.6	581.7	1032.9	1634.5	1935.3	1727.0	1310.3
97.5°	596.5	426.6	256.8	426.6	596.5	638.9	1391.3	2394.5	2896.1	2764.4	2501.1
100°	648.4	494.4	340.3	494.4	648.4	686.9	1521.8	2635.0	3191.6	3201.2	3220.5
102.5°	698.9	555.3	411.5	555.3	698.9	734.8	1581.6	2710.6	3275.1	3442.9	3778.4
105°	775.6	653.9	532.2	653.9	775.6	806.1	1626.0	2719.2	3265.8	3641.9	4394.2
107.5°	882.9	769.4	656.0	769.4	882.9	911.2	1634.2	2598.3	3080.2	3604.8	4654.0
110°	944.4	841.9	739.5	841.9	944.4	970.0	1621.8	2490.9	2925.5	3512.0	4685.0



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CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1016.7	919.1	821.5	919.1	1016.7	1041.1	1622.3	2397.3	2784.7	3385.0	4585.5
115°	1125.4	1035.2	945.2	1035.2	1125.4	1147.9	1637.3	2289.8	2616.1	3194.4	4350.8
117.5°	1231.2	1149.3	1067.5	1149.3	1231.2	1251.6	1667.7	2222.6	2500.1	3022.0	4065.7
120°	1292.7	1215.6	1138.6	1215.6	1292.7	1311.9	1692.5	2200.0	2453.6	2930.5	3884.2
122.5°	1363.6	1285.9	1208.2	1285.9	1363.6	1383.0	1728.1	2188.1	2418.1	2847.5	3706.2
125°	1456.6	1385.8	1315.0	1385.8	1456.6	1474.4	1776.1	2178.3	2379.3	2744.1	3473.6
127.5°	1544.7	1473.2	1401.7	1473.2	1544.7	1562.5	1824.0	2172.6	2346.9	2660.0	3286.4
130°	1602.1	1525.1	1448.1	1525.1	1602.1	1621.3	1859.0	2176.1	2334.5	2613.3	3171.0
132.5°	1650.1	1573.0	1496.0	1573.0	1650.1	1669.3	1887.4	2178.3	2323.7	2573.3	3072.5
135°	1707.4	1637.3	1567.2	1637.3	1707.4	1725.0	1918.4	2176.3	2305.1	2514.2	2932.2
137.5°	1778.8	1709.3	1639.9	1709.3	1778.8	1796.1	1964.7	2189.6	2302.1	2478.7	2832.1
140°	1828.1	1764.1	1700.2	1764.1	1828.1	1844.1	1993.1	2191.8	2291.2	2443.8	2749.1
142.5°	1864.9	1805.7	1746.6	1805.7	1864.9	1879.7	2016.8	2199.8	2291.2	2425.3	2693.5
145°	1921.0	1869.4	1817.8	1869.4	1921.0	1933.8	2047.8	2199.8	2275.8	2385.4	2604.7
147.5°	1989.3	1939.1	1888.9	1939.1	1989.3	2001.9	2093.2	2214.9	2275.8	2362.0	2534.6
150°	2026.2	1980.7	1935.3	1980.7	2026.2	2037.5	2116.9	2222.8	2275.8	2348.7	2494.4
152.5°	2052.2	2017.7	1983.3	2017.7	2052.2	2060.7	2132.4	2228.0	2275.8	2338.0	2462.4
155°	2105.3	2079.9	2054.4	2079.9	2105.3	2111.7	2166.4	2239.3	2275.8	2325.3	2424.3
157.5°	2156.6	2131.8	2107.1	2131.8	2156.6	2162.8	2200.5	2250.7	2275.8	2314.2	2391.2
160°	2181.2	2161.9	2142.7	2161.9	2181.2	2186.0	2215.9	2255.8	2275.8	2308.7	2374.8
162.5°	2207.1	2192.7	2178.3	2192.7	2207.1	2210.7	2232.4	2261.3	2275.8	2303.6	2359.3
165°	2243.0	2229.9	2216.9	2229.9	2243.0	2246.3	2256.1	2269.2	2275.8	2295.7	2335.5
167.5°	2264.9	2258.7	2252.6	2258.7	2264.9	2266.4	2274.7	2285.7	2291.2	2304.2	2330.3
170°	2288.1	2281.9	2275.8	2281.9	2288.1	2289.6	2290.1	2290.8	2291.2	2304.2	2330.3
172.5°	2290.9	2289.5	2288.1	2289.5	2290.9	2291.2	2291.2	2291.2	2291.2	2301.6	2322.2
175°	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2300.5	2294.3	2291.2	2297.8	2310.8
177.5°	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2301.6	2296.7	2294.3	2299.5	2309.7
180°	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1



TEST NUMBER: P935677

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4026.8	4015.0	4030.7	3987.3	4030.7	4015.0	4026.8	4054.4	4030.7	4046.5	4062.4
5°	3533.3	3513.6	3450.4	3399.1	3450.4	3513.6	3533.3	3616.3	3655.7	3726.7	3821.6
7.5°	3158.3	3142.5	3126.7	3095.1	3126.7	3142.5	3158.3	3181.9	3221.5	3284.6	3355.7
10°	3075.3	3079.3	3103.0	3099.1	3103.0	3079.3	3075.3	3067.5	3055.6	3067.5	3110.9
12.5°	3288.6	3324.1	3454.3	3446.5	3454.3	3324.1	3288.6	3130.6	3024.1	3004.3	3012.2
15°	3533.3	3545.2	3572.9	3576.7	3572.9	3545.2	3533.3	3470.2	3150.3	3012.2	2968.8
17.5°	3557.0	3561.0	3580.7	3580.7	3580.7	3561.0	3557.0	3529.4	3422.8	3237.2	2992.5
20°	3537.3	3545.2	3584.6	3592.6	3584.6	3545.2	3537.3	3501.7	3442.6	3375.4	3189.9
22.5°	3529.4	3545.2	3576.7	3572.9	3576.7	3545.2	3529.4	3474.1	3422.8	3375.4	3300.4
25°	3489.9	3489.9	3493.9	3497.8	3493.9	3489.9	3489.9	3446.5	3343.9	3332.0	3288.6
27.5°	3407.0	3414.9	3438.6	3434.6	3438.6	3414.9	3407.0	3391.2	3280.6	3268.9	3237.2
30°	3332.0	3324.1	3304.3	3288.6	3304.3	3324.1	3332.0	3308.3	3197.8	3166.2	3174.1
32.5°	3205.6	3185.9	3166.2	3154.3	3166.2	3185.9	3205.6	3197.8	3114.9	3071.5	3079.3
35°	3055.6	3059.6	3055.6	3043.8	3055.6	3059.6	3055.6	3063.5	3012.2	2972.8	2968.8
37.5°	2949.1	2956.9	2953.0	2937.2	2953.0	2956.9	2949.1	2941.2	2870.1	2858.2	2866.2
40°	2838.5	2842.5	2838.5	2826.6	2838.5	2842.5	2838.5	2822.8	2724.1	2727.9	2755.6
42.5°	2731.9	2727.9	2716.1	2708.2	2716.1	2727.9	2731.9	2708.2	2581.9	2570.1	2621.4
45°	2609.5	2613.5	2589.8	2577.9	2589.8	2613.5	2609.5	2593.8	2463.5	2431.8	2467.4
47.5°	2487.1	2487.1	2467.4	2455.5	2467.4	2487.1	2487.1	2467.4	2329.2	2297.7	2317.4
50°	2356.8	2353.0	2325.3	2321.4	2325.3	2353.0	2356.8	2345.0	2199.0	2171.3	2171.3
52.5°	2206.8	2206.8	2210.8	2218.7	2210.8	2206.8	2206.8	2210.8	2080.5	2052.9	2045.0
55°	2076.6	2080.5	2108.1	2116.0	2108.1	2080.5	2076.6	2076.6	1958.1	1930.5	1914.7
57.5°	1942.3	1942.3	1962.1	1962.1	1962.1	1942.3	1942.3	1934.4	1820.0	1796.3	1788.4
60°	1788.4	1796.3	1812.0	1808.1	1812.0	1796.3	1788.4	1780.4	1681.7	1666.0	1638.3
62.5°	1626.5	1634.4	1638.3	1630.5	1638.3	1634.4	1626.5	1602.9	1543.6	1531.7	1496.2
65°	1456.7	1464.6	1468.6	1460.7	1468.6	1464.6	1456.7	1444.9	1401.5	1381.8	1350.2
67.5°	1283.0	1279.1	1275.2	1290.9	1275.2	1279.1	1283.0	1267.3	1239.6	1223.8	1180.4
70°	1105.4	1105.4	1101.5	1109.3	1101.5	1105.4	1105.4	1093.5	1077.8	1065.9	1026.5
72.5°	915.9	911.9	927.8	915.9	927.8	911.9	915.9	911.9	904.1	892.2	852.8
75°	730.4	738.2	730.4	742.2	730.4	738.2	730.4	734.3	730.4	722.5	694.8
77.5°	556.7	564.5	556.7	556.7	556.7	564.5	556.7	560.5	560.5	560.5	536.9
80°	394.8	390.8	390.8	386.8	390.8	390.8	394.8	394.8	398.7	390.8	383.0
82.5°	252.7	248.7	248.7	256.6	248.7	248.7	252.7	256.6	248.7	248.7	248.7
85°	138.1	142.1	134.3	134.3	134.3	142.1	138.1	130.3	138.1	138.1	134.3
87.5°	51.3	47.4	47.4	47.4	47.4	47.4	51.3	55.3	55.3	55.3	59.3
90°	58.8	58.8	58.8	58.8	58.8	58.8	58.8	78.4	104.5	117.5	101.0
92.5°	293.9	282.3	235.5	188.7	235.5	282.3	293.9	416.6	580.3	662.1	581.4
95°	997.9	962.4	820.8	679.2	820.8	962.4	997.9	1310.3	1727.0	1935.3	1634.5
97.5°	2303.5	2236.1	1966.6	1697.1	1966.6	2236.1	2303.5	2501.1	2764.4	2896.1	2394.5
100°	3234.9	3154.6	2833.5	2512.4	2833.5	3154.6	3234.9	3220.5	3201.2	3191.6	2635.0
102.5°	4030.1	3961.4	3686.3	3411.3	3686.3	3961.4	4030.1	3778.4	3442.9	3275.1	2710.6
105°	4958.3	4921.3	4773.5	4625.7	4773.5	4921.3	4958.3	4394.2	3641.9	3265.8	2719.2
107.5°	5440.9	5449.9	5485.7	5521.4	5485.7	5449.9	5440.9	4654.0	3604.8	3080.2	2598.3
110°	5564.8	5603.3	5757.3	5911.3	5757.3	5603.3	5564.8	4685.0	3512.0	2925.5	2490.9



TEST NUMBER: P935677

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5485.9	5545.0	5781.5	6018.0	5781.5	5545.0	5485.9	4585.5	3385.0	2784.7	2397.3
115°	5218.2	5300.2	5628.2	5956.2	5628.2	5300.2	5218.2	4350.8	3194.4	2616.1	2289.8
117.5°	4848.4	4939.4	5303.1	5666.8	5303.1	4939.4	4848.4	4065.7	3022.0	2500.1	2222.6
120°	4599.4	4687.8	5041.2	5394.5	5041.2	4687.8	4599.4	3884.2	2930.5	2453.6	2200.0
122.5°	4350.3	4437.5	4786.1	5134.7	4786.1	4437.5	4350.3	3706.2	2847.5	2418.1	2188.1
125°	4020.8	4101.0	4422.1	4743.3	4422.1	4101.0	4020.8	3473.6	2744.1	2379.3	2178.3
127.5°	3756.2	3823.9	4094.9	4365.8	4094.9	3823.9	3756.2	3286.4	2660.0	2346.9	2172.6
130°	3589.2	3651.7	3902.0	4152.3	3902.0	3651.7	3589.2	3171.0	2613.3	2334.5	2176.1
132.5°	3446.9	3502.9	3727.0	3951.1	3727.0	3502.9	3446.9	3072.5	2573.3	2323.7	2178.3
135°	3245.8	3294.1	3487.2	3680.4	3487.2	3294.1	3245.8	2932.2	2514.2	2305.1	2176.3
137.5°	3097.2	3136.7	3294.9	3453.0	3294.9	3136.7	3097.2	2832.1	2478.7	2302.1	2189.6
140°	2978.0	3015.0	3162.9	3310.7	3162.9	3015.0	2978.0	2749.1	2443.8	2291.2	2191.8
142.5°	2894.6	2926.3	3053.5	3180.7	3053.5	2926.3	2894.6	2693.5	2425.3	2291.2	2199.8
145°	2769.2	2793.3	2889.5	2985.8	2889.5	2793.3	2769.2	2604.7	2385.4	2275.8	2199.8
147.5°	2664.0	2683.9	2763.7	2843.5	2763.7	2683.9	2664.0	2534.6	2362.0	2275.8	2214.9
150°	2603.6	2619.8	2684.5	2749.2	2684.5	2619.8	2603.6	2494.4	2348.7	2275.8	2222.8
152.5°	2555.7	2568.0	2616.8	2665.6	2616.8	2568.0	2555.7	2462.4	2338.0	2275.8	2228.0
155°	2498.5	2506.5	2538.9	2571.2	2538.9	2506.5	2498.5	2424.3	2325.3	2275.8	2239.3
157.5°	2449.0	2454.6	2477.4	2500.1	2477.4	2454.6	2449.0	2391.2	2314.2	2275.8	2250.7
160°	2424.3	2427.6	2440.6	2453.6	2440.6	2427.6	2424.3	2374.8	2308.7	2275.8	2255.8
162.5°	2401.1	2404.1	2416.5	2428.8	2416.5	2404.1	2401.1	2359.3	2303.6	2275.8	2261.3
165°	2365.4	2368.7	2381.7	2394.9	2381.7	2368.7	2365.4	2335.5	2295.7	2275.8	2269.2
167.5°	2350.0	2351.4	2356.8	2362.3	2356.8	2351.4	2350.0	2330.3	2304.2	2291.2	2285.7
170°	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2330.3	2304.2	2291.2	2290.8
172.5°	2337.6	2336.4	2331.5	2326.8	2331.5	2336.4	2337.6	2322.2	2301.6	2291.2	2291.2
175°	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2310.8	2297.8	2291.2	2294.3
177.5°	2317.5	2316.1	2310.6	2305.1	2310.6	2316.1	2317.5	2309.7	2299.5	2294.3	2296.7
180°	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1



TEST NUMBER: P935677

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4172.8	4172.8	4172.8	4172.8	4172.8
2.5°	4121.5	4141.3	4153.1	4169.0	4208.4
5°	3963.7	4038.7	4062.4	4121.5	4192.7
7.5°	3616.3	3845.3	3908.4	4050.5	4161.0
10°	3280.6	3509.6	3620.2	3955.7	4121.5
12.5°	3110.9	3245.2	3320.2	3790.0	4066.3
15°	3004.3	3099.1	3154.3	3568.9	4003.1
17.5°	2921.4	2988.5	3028.0	3351.7	3916.3
20°	2870.1	2901.6	2937.2	3193.8	3817.6
22.5°	2834.5	2814.8	2842.5	3083.3	3683.3
25°	2810.9	2735.9	2767.5	2996.5	3525.4
27.5°	2830.6	2664.8	2676.7	2917.5	3359.6
30°	2834.5	2577.9	2581.9	2834.5	3174.1
32.5°	2806.9	2487.1	2491.1	2731.9	2964.8
35°	2739.8	2380.5	2376.7	2613.5	2680.6
37.5°	2649.0	2266.1	2266.1	2483.2	2368.7
40°	2538.5	2151.6	2163.4	2313.4	2092.4
42.5°	2404.2	2029.2	2045.0	2088.4	1887.1
45°	2258.1	1910.7	1922.6	1764.7	1729.2
47.5°	2096.3	1788.4	1792.3	1464.6	1677.9
50°	1902.9	1662.0	1646.3	1255.5	1673.9
52.5°	1733.1	1523.9	1476.5	1136.9	1519.9
55°	1567.3	1377.8	1275.2	1046.2	1409.3
57.5°	1421.2	1188.3	1089.6	939.6	1385.7
60°	1287.0	1002.8	927.8	825.1	1271.2
62.5°	1176.5	864.6	848.8	746.1	1152.8
65°	1058.1	769.8	765.9	679.1	979.1
67.5°	943.5	706.7	702.7	615.8	746.1
70°	821.2	639.5	631.7	548.8	552.7
72.5°	694.8	564.5	556.7	493.5	458.0
75°	568.5	477.7	473.7	430.3	371.1
77.5°	446.1	379.0	386.8	347.4	272.4
80°	319.8	276.4	284.3	248.7	205.3
82.5°	213.1	181.6	189.5	157.9	138.1
85°	118.4	102.7	106.6	82.9	63.1
87.5°	55.3	47.4	47.4	31.6	19.7
90°	68.0	43.3	40.2	27.8	15.4
92.5°	419.8	298.6	272.3	167.0	61.9
95°	1032.9	581.7	533.6	341.0	148.5
97.5°	1391.3	638.9	596.5	426.6	256.8
100°	1521.8	686.9	648.4	494.4	340.3
102.5°	1581.6	734.8	698.9	555.3	411.5
105°	1626.0	806.1	775.6	653.9	532.2
107.5°	1634.2	911.2	882.9	769.4	656.0
110°	1621.8	970.0	944.4	841.9	739.5



TEST NUMBER: P935677

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1622.3	1041.1	1016.7	919.1	821.5
115°	1637.3	1147.9	1125.4	1035.2	945.2
117.5°	1667.7	1251.6	1231.2	1149.3	1067.5
120°	1692.5	1311.9	1292.7	1215.6	1138.6
122.5°	1728.1	1383.0	1363.6	1285.9	1208.2
125°	1776.1	1474.4	1456.6	1385.8	1315.0
127.5°	1824.0	1562.5	1544.7	1473.2	1401.7
130°	1859.0	1621.3	1602.1	1525.1	1448.1
132.5°	1887.4	1669.3	1650.1	1573.0	1496.0
135°	1918.4	1725.0	1707.4	1637.3	1567.2
137.5°	1964.7	1796.1	1778.8	1709.3	1639.9
140°	1993.1	1844.1	1828.1	1764.1	1700.2
142.5°	2016.8	1879.7	1864.9	1805.7	1746.6
145°	2047.8	1933.8	1921.0	1869.4	1817.8
147.5°	2093.2	2001.9	1989.3	1939.1	1888.9
150°	2116.9	2037.5	2026.2	1980.7	1935.3
152.5°	2132.4	2060.7	2052.2	2017.7	1983.3
155°	2166.4	2111.7	2105.3	2079.9	2054.4
157.5°	2200.5	2162.8	2156.6	2131.8	2107.1
160°	2215.9	2186.0	2181.2	2161.9	2142.7
162.5°	2232.4	2210.7	2207.1	2192.7	2178.3
165°	2256.1	2246.3	2243.0	2229.9	2216.9
167.5°	2274.7	2266.4	2264.9	2258.7	2252.6
170°	2290.1	2289.6	2288.1	2281.9	2275.8
172.5°	2291.2	2291.2	2290.9	2289.5	2288.1
175°	2300.5	2305.1	2305.1	2305.1	2305.1
177.5°	2301.6	2305.1	2305.1	2305.1	2305.1
180°	2305.1	2305.1	2305.1	2305.1	2305.1



TEST NUMBER: P935677
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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	12.91	13.71	13.94	14.74	16.12	15.76	16.56	16.79	17.59	18.97
	3H	13.38	14.10	14.42	15.14	16.54	17.11	17.82	18.14	18.86	20.26
	4H	13.57	14.25	14.62	15.29	16.70	17.56	18.23	18.60	19.27	20.68
	6H	13.69	14.31	14.74	15.35	16.77	17.84	18.46	18.90	19.51	20.93
	8H	13.69	14.28	14.75	15.34	16.76	17.92	18.51	18.98	19.57	20.99
	12H	13.66	14.22	14.72	15.27	16.71	17.96	18.52	19.02	19.58	21.02
4H	2H	13.94	14.62	14.99	15.66	17.07	16.16	16.84	17.22	17.88	19.29
	3H	14.96	15.52	16.02	16.59	18.02	17.67	18.23	18.73	19.30	20.72
	4H	15.24	15.75	16.30	16.81	18.25	18.20	18.71	19.27	19.78	21.22
	6H	15.36	15.80	16.43	16.88	18.32	18.57	19.01	19.64	20.09	21.53
	8H	15.36	15.77	16.44	16.85	18.30	18.67	19.09	19.75	20.16	21.62
	12H	15.32	15.70	16.42	16.79	18.25	18.73	19.11	19.83	20.20	21.65
8H	4H	15.69	16.10	16.76	17.18	18.63	18.32	18.73	19.39	19.81	21.26
	6H	15.95	16.29	17.05	17.41	18.86	18.76	19.10	19.86	20.22	21.67
	8H	15.99	16.29	17.09	17.39	18.86	18.91	19.21	20.02	20.31	21.78
	12H	15.97	16.23	17.08	17.33	18.84	19.01	19.27	20.12	20.37	21.88
12H	4H	15.69	16.06	16.78	17.16	18.61	18.28	18.65	19.37	19.74	21.20
	6H	16.01	16.31	17.11	17.41	18.88	18.75	19.05	19.86	20.15	21.62
	8H	16.07	16.33	17.18	17.43	18.94	18.92	19.18	20.02	20.28	21.78