

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: P935393

Luminaire Tested: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

**Test Information**

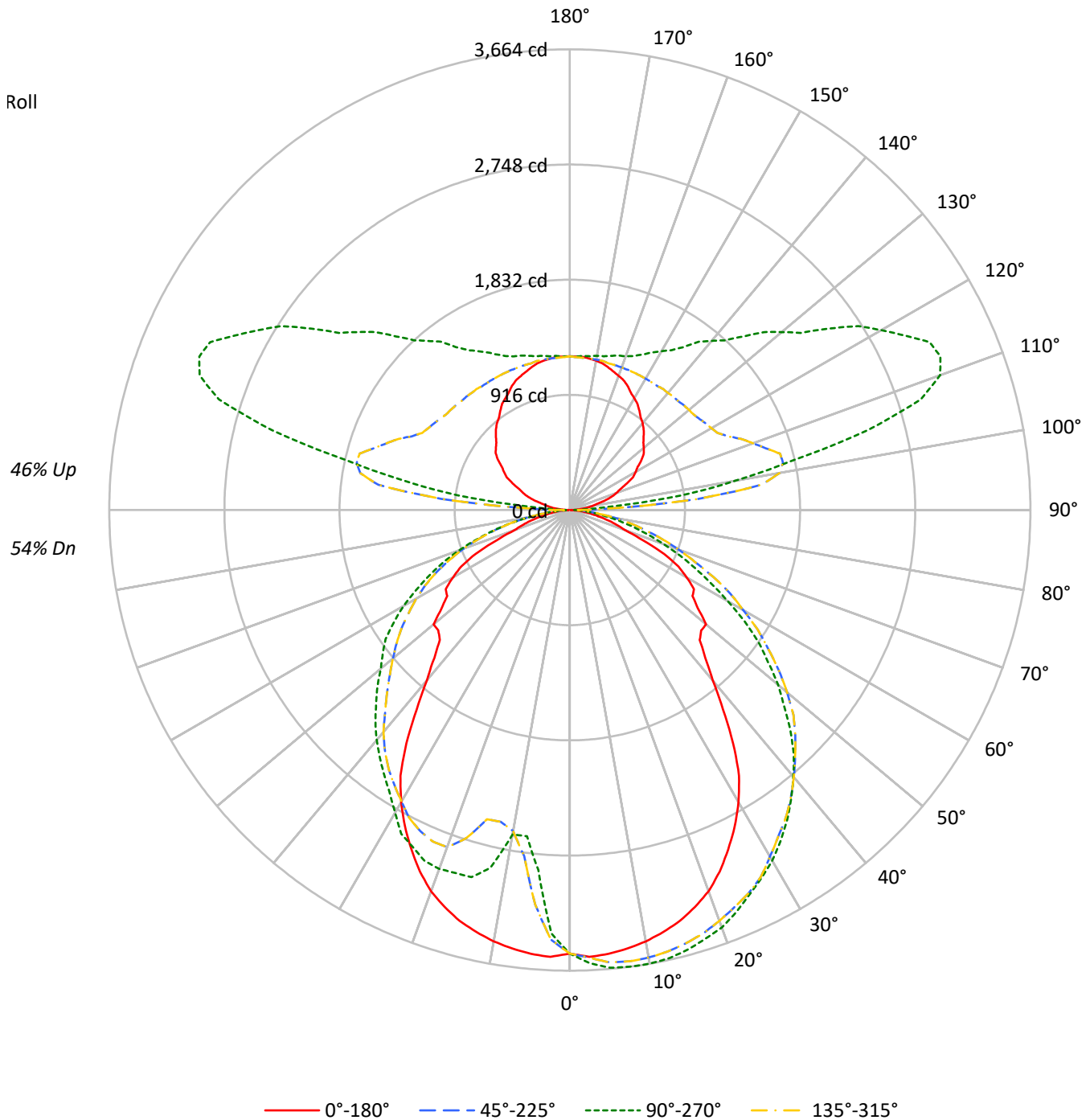
Test Method: LM-79-2019  
Report Number: P935393  
REPORT IS A COMBINATION OF REPORTS P933752 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17072.6 lumens  
Efficiency: N/A  
Efficacy: 124.1 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 137.6  
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





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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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	16364	16364	16364	16364
5°	16487	16519	16487	12989
10°	16376	16272	16376	11634
15°	16199	15919	16199	13294
20°	15860	15502	15860	13321
25°	15166	14893	15166	13039
30°	14270	14387	14270	12419
35°	12721	13747	12721	11738
40°	10601	12994	10601	11223
45°	9471	12113	9471	10631
50°	10062	11062	10062	10037
55°	9467	9929	9467	9694
60°	9758	8433	9758	8879
65°	8847	6971	8847	7792
70°	6127	5555	6127	6532
75°	5371	4107	5371	4917
80°	4329	2715	4329	2957
85°	2483	1438	2483	1223

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14516 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.4	1.9
10°-20°	904.0	5.3
20°-30°	1397.4	8.2
30°-40°	1668.2	9.8
40°-50°	1678.0	9.8
50°-60°	1460.0	8.6
60°-70°	1035.2	6.1
70°-80°	547.7	3.2
80°-90°	141.1	0.8
90°-100°	595.8	3.5
100°-110°	1566.2	9.2
110°-120°	1624.0	9.5
120°-130°	1302.7	7.6
130°-140°	1022.1	6.0
140°-150°	784.5	4.6
150°-160°	565.0	3.3
160°-170°	345.7	2.0
170°-180°	116.8	0.7
0°-30°	2619.7	15.3
0°-40°	4287.9	25.1
0°-60°	7425.9	43.5
0°-90°	9149.8	53.6
90°-120°	3786.0	22.2
90°-150°	6895.3	40.4
90°-180°	7923.0	46.4
0°-180°	17072.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3527	3527	3527	3527	3527	
5°	3544	3654	3544	2873	3544	336
15°	3384	3620	3384	3023	3384	952
25°	2980	3377	2980	2956	2980	1368
35°	2266	3013	2266	2573	2266	1402
45°	1462	2483	1462	2179	1462	1171
55°	1191	1832	1191	1789	1191	1095
65°	828	1104	828	1235	828	791
75°	314	524	314	627	314	330
85°	53	134	53	114	53	72
90°	8	31	8	31	8	9
95°	79	360	79	360	79	87
105°	282	2452	282	2452	282	299
115°	501	3158	501	3158	501	495
125°	697	2515	697	2515	697	619
135°	831	1951	831	1951	831	643
145°	964	1583	964	1583	964	604
155°	1089	1363	1089	1363	1089	500
165°	1175	1270	1175	1270	1175	332
175°	1222	1230	1222	1230	1222	116
180°	1222	1222	1222	1222	1222	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3557.1	3557.1	3577.1	3583.8	3583.8	3573.9	3563.8	3573.9	3603.8	3613.9	3610.5
5°	3543.8	3570.5	3607.2	3613.9	3620.5	3617.2	3610.5	3617.2	3650.6	3657.3	3660.6
7.5°	3517.1	3567.2	3613.9	3623.8	3633.9	3623.8	3620.5	3627.2	3660.6	3667.2	3667.2
10°	3483.7	3553.8	3607.2	3613.9	3623.8	3613.9	3613.9	3627.2	3660.6	3667.2	3670.6
12.5°	3437.0	3533.7	3583.8	3590.5	3603.8	3600.5	3597.2	3610.5	3643.9	3650.6	3650.6
15°	3383.7	3497.0	3543.8	3550.5	3573.9	3567.2	3567.2	3580.5	3617.2	3627.2	3623.8
17.5°	3310.2	3450.3	3503.8	3513.7	3530.5	3527.1	3530.5	3543.8	3577.1	3583.8	3587.2
20°	3226.8	3386.9	3450.3	3460.4	3477.0	3477.0	3477.0	3493.7	3527.1	3540.4	3540.4
22.5°	3113.3	3320.3	3386.9	3393.6	3413.6	3413.6	3420.3	3443.7	3473.7	3477.0	3477.0
25°	2979.9	3246.8	3303.5	3323.5	3343.5	3353.6	3363.6	3377.0	3386.9	3383.7	3386.9
27.5°	2839.7	3153.3	3226.8	3240.1	3266.8	3276.9	3290.2	3293.5	3296.9	3306.8	3300.1
30°	2682.9	3023.3	3133.3	3146.7	3190.1	3196.7	3183.4	3190.1	3206.8	3213.5	3220.1
32.5°	2506.0	2829.7	3036.6	3066.7	3106.7	3086.7	3083.3	3093.3	3120.0	3120.0	3126.7
35°	2265.7	2679.6	2946.5	2973.2	3003.2	2979.9	2993.2	2996.6	3013.2	3023.3	3019.9
37.5°	2002.2	2549.4	2853.1	2873.1	2896.5	2866.4	2886.4	2896.5	2909.8	2903.1	2903.1
40°	1768.6	2345.8	2743.0	2756.3	2776.3	2752.9	2772.9	2779.6	2786.3	2779.6	2776.3
42.5°	1595.1	2122.3	2626.1	2642.8	2629.5	2646.1	2652.8	2666.1	2656.2	2642.8	2642.8
45°	1461.5	2062.2	2499.3	2519.3	2499.3	2526.0	2536.1	2536.1	2506.0	2499.3	2496.0
47.5°	1418.2	1942.0	2372.5	2372.5	2362.6	2395.9	2412.5	2389.2	2359.2	2349.1	2349.1
50°	1414.8	1808.6	2199.0	2185.7	2232.4	2272.4	2255.8	2232.4	2209.0	2172.4	2172.4
52.5°	1284.7	1645.0	1975.5	2025.5	2098.9	2122.3	2095.5	2072.2	2032.1	2015.5	2002.2
55°	1191.3	1475.0	1771.9	1872.0	1948.7	1978.8	1928.7	1905.3	1845.3	1835.3	1828.6
57.5°	1171.3	1228.0	1585.0	1711.8	1805.3	1801.9	1771.9	1728.6	1678.5	1668.4	1665.2
60°	1074.4	887.6	1384.8	1535.0	1631.7	1621.8	1595.1	1555.0	1508.3	1501.6	1495.0
62.5°	974.4	644.1	1157.9	1328.0	1464.9	1461.5	1438.2	1378.1	1344.8	1328.0	1314.7
65°	827.5	540.6	824.2	1104.5	1301.4	1308.0	1258.0	1214.7	1177.9	1157.9	1154.6
67.5°	630.6	440.4	557.3	921.0	1144.5	1137.8	1074.4	1054.4	1007.8	997.7	977.7
70°	467.2	293.6	387.1	747.5	991.0	974.4	924.3	901.0	857.6	834.3	820.8
72.5°	387.1	236.9	283.7	580.7	834.3	814.2	770.9	744.1	707.5	687.4	674.0
75°	313.6	250.2	216.9	430.5	677.4	664.1	624.0	597.3	567.2	540.6	543.9
77.5°	230.2	233.6	173.5	317.0	537.3	517.3	493.9	460.5	447.2	420.4	420.4
80°	173.5	183.5	130.2	216.9	387.1	387.1	367.1	343.7	320.4	307.0	307.0
82.5°	116.7	116.7	96.7	136.9	263.7	253.6	240.3	233.6	220.3	213.6	213.6
85°	53.3	66.8	60.0	83.4	143.5	150.2	150.2	143.5	140.1	133.5	136.9
87.5°	16.7	30.1	36.7	46.7	73.5	76.7	80.1	80.1	80.1	83.4	83.4
90°	8.2	14.8	21.3	23.0	36.1	53.5	62.3	55.4	41.5	31.2	31.2
92.5°	32.8	88.6	144.4	158.4	222.5	308.2	351.0	307.6	221.0	155.9	149.7
95°	78.8	180.8	282.9	308.4	547.6	866.6	1026.1	915.7	694.7	529.1	510.4
97.5°	136.2	226.2	316.3	338.8	737.7	1269.6	1535.5	1465.7	1326.1	1221.4	1185.7
100°	180.4	262.1	343.8	364.2	806.8	1397.1	1692.2	1697.3	1707.5	1715.1	1672.6
102.5°	218.2	294.3	370.5	389.6	838.5	1437.1	1736.4	1825.4	2003.4	2136.8	2100.3
105°	282.2	346.7	411.2	427.3	862.1	1441.7	1731.5	1930.9	2329.7	2628.9	2609.3
107.5°	347.8	407.9	468.1	483.1	866.5	1377.5	1633.1	1911.3	2467.6	2884.7	2889.5
110°	392.0	446.4	500.7	514.3	859.9	1320.6	1551.1	1862.1	2483.9	2950.4	2970.8



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	435.5	487.3	539.1	552.1	860.2	1271.1	1476.4	1794.7	2431.2	2908.6	2940.0
115°	501.2	548.9	596.7	608.7	868.1	1214.1	1387.0	1693.7	2306.8	2766.7	2810.2
117.5°	566.0	609.3	652.7	663.6	884.2	1178.4	1325.5	1602.2	2155.6	2570.6	2618.8
120°	603.7	644.5	685.4	695.5	897.4	1166.4	1300.9	1553.7	2059.4	2438.6	2485.4
122.5°	640.6	681.8	723.0	733.3	916.2	1160.0	1282.0	1509.7	1965.0	2306.5	2352.8
125°	697.2	734.8	772.3	781.7	941.6	1154.9	1261.5	1454.9	1841.7	2131.8	2174.4
127.5°	743.1	781.0	819.0	828.4	967.1	1151.9	1244.3	1410.4	1742.5	1991.5	2027.4
130°	767.7	808.5	849.3	859.6	985.6	1153.7	1237.7	1385.5	1681.2	1903.0	1936.1
132.5°	793.1	834.0	874.8	885.0	1000.7	1154.9	1232.0	1364.3	1629.0	1827.5	1857.1
135°	830.9	868.1	905.3	914.6	1017.2	1153.8	1222.1	1333.0	1554.6	1720.9	1746.5
137.5°	869.5	906.2	943.1	952.3	1041.7	1160.9	1220.5	1314.1	1501.6	1642.1	1663.1
140°	901.4	935.3	969.2	977.7	1056.7	1162.1	1214.8	1295.7	1457.6	1579.0	1598.6
142.5°	926.1	957.4	988.8	996.6	1069.3	1166.2	1214.8	1285.8	1428.0	1534.7	1551.6
145°	963.8	991.1	1018.5	1025.3	1085.8	1166.3	1206.6	1264.7	1381.0	1468.3	1481.0
147.5°	1001.5	1028.1	1054.7	1061.4	1109.8	1174.3	1206.6	1252.3	1343.8	1412.4	1423.0
150°	1026.1	1050.2	1074.2	1080.3	1122.4	1178.5	1206.6	1245.2	1322.5	1380.5	1389.1
152.5°	1051.6	1069.8	1088.1	1092.6	1130.5	1181.2	1206.6	1239.6	1305.6	1355.1	1361.6
155°	1089.2	1102.7	1116.3	1119.6	1148.6	1187.2	1206.6	1232.8	1285.3	1324.7	1328.9
157.5°	1117.1	1130.3	1143.5	1146.7	1166.6	1193.3	1206.6	1227.0	1267.8	1298.5	1301.4
160°	1136.1	1146.3	1156.5	1159.0	1174.9	1196.0	1206.6	1224.1	1259.1	1285.3	1287.1
162.5°	1154.9	1162.6	1170.3	1172.2	1183.6	1198.9	1206.6	1221.4	1250.8	1273.0	1274.7
165°	1175.4	1182.3	1189.2	1191.0	1196.2	1203.1	1206.6	1217.1	1238.3	1254.2	1256.0
167.5°	1194.2	1197.5	1200.8	1201.6	1206.0	1211.8	1214.8	1221.7	1235.6	1245.9	1246.6
170°	1206.6	1209.8	1213.2	1214.0	1214.3	1214.6	1214.8	1221.7	1235.6	1245.9	1245.9
172.5°	1213.2	1213.9	1214.6	1214.8	1214.8	1214.8	1214.8	1220.3	1231.2	1239.4	1238.8
175°	1222.1	1222.1	1222.1	1222.1	1219.7	1216.4	1214.8	1218.2	1225.1	1230.3	1230.3
177.5°	1222.1	1222.1	1222.1	1222.1	1220.3	1217.7	1216.4	1219.2	1224.6	1228.8	1228.1
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3617.2	3607.2	3617.2	3610.5	3613.9	3603.8	3573.9	3563.8	3573.9	3583.8	3583.8
5°	3660.6	3653.9	3660.6	3660.6	3657.3	3650.6	3617.2	3610.5	3617.2	3620.5	3613.9
7.5°	3673.9	3663.9	3673.9	3667.2	3667.2	3660.6	3627.2	3620.5	3623.8	3633.9	3623.8
10°	3673.9	3663.9	3673.9	3670.6	3667.2	3660.6	3627.2	3613.9	3613.9	3623.8	3613.9
12.5°	3657.3	3650.6	3657.3	3650.6	3650.6	3643.9	3610.5	3597.2	3600.5	3603.8	3590.5
15°	3630.6	3620.5	3630.6	3623.8	3627.2	3617.2	3580.5	3567.2	3567.2	3573.9	3550.5
17.5°	3590.5	3577.1	3590.5	3587.2	3583.8	3577.1	3543.8	3530.5	3527.1	3530.5	3513.7
20°	3543.8	3533.7	3543.8	3540.4	3540.4	3527.1	3493.7	3477.0	3477.0	3477.0	3460.4
22.5°	3470.3	3460.4	3470.3	3477.0	3477.0	3473.7	3443.7	3420.3	3413.6	3413.6	3393.6
25°	3386.9	3377.0	3386.9	3386.9	3383.7	3386.9	3377.0	3363.6	3353.6	3343.5	3323.5
27.5°	3306.8	3300.1	3306.8	3300.1	3306.8	3296.9	3293.5	3290.2	3276.9	3266.8	3240.1
30°	3226.8	3220.1	3226.8	3220.1	3213.5	3206.8	3190.1	3183.4	3196.7	3190.1	3146.7
32.5°	3126.7	3120.0	3126.7	3126.7	3120.0	3120.0	3093.3	3083.3	3086.7	3106.7	3066.7
35°	3023.3	3013.2	3023.3	3019.9	3023.3	3013.2	2996.6	2993.2	2979.9	3003.2	2973.2
37.5°	2903.1	2893.1	2903.1	2903.1	2903.1	2909.8	2896.5	2886.4	2866.4	2896.5	2873.1
40°	2779.6	2766.3	2779.6	2776.3	2779.6	2786.3	2779.6	2772.9	2752.9	2776.3	2756.3
42.5°	2639.5	2636.2	2639.5	2642.8	2642.8	2656.2	2666.1	2652.8	2646.1	2629.5	2642.8
45°	2489.4	2482.6	2489.4	2496.0	2499.3	2506.0	2536.1	2536.1	2526.0	2499.3	2519.3
47.5°	2329.1	2312.5	2329.1	2349.1	2349.1	2359.2	2389.2	2412.5	2395.9	2362.6	2372.5
50°	2158.9	2162.3	2158.9	2172.4	2172.4	2209.0	2232.4	2255.8	2272.4	2232.4	2185.7
52.5°	1992.1	1988.8	1992.1	2002.2	2015.5	2032.1	2072.2	2095.5	2122.3	2098.9	2025.5
55°	1825.3	1832.0	1825.3	1828.6	1835.3	1845.3	1905.3	1928.7	1978.8	1948.7	1872.0
57.5°	1658.5	1648.4	1658.5	1665.2	1668.4	1678.5	1728.6	1771.9	1801.9	1805.3	1711.8
60°	1464.9	1451.6	1464.9	1495.0	1501.6	1508.3	1555.0	1595.1	1621.8	1631.7	1535.0
62.5°	1294.7	1271.3	1294.7	1314.7	1328.0	1344.8	1378.1	1438.2	1461.5	1464.9	1328.0
65°	1114.5	1104.5	1114.5	1154.6	1157.9	1177.9	1214.7	1258.0	1308.0	1301.4	1104.5
67.5°	951.0	951.0	951.0	977.7	997.7	1007.8	1054.4	1074.4	1137.8	1144.5	921.0
70°	800.8	797.5	800.8	820.8	834.3	857.6	901.0	924.3	974.4	991.0	747.5
72.5°	657.4	654.0	657.4	674.0	687.4	707.5	744.1	770.9	814.2	834.3	580.7
75°	530.6	523.9	530.6	543.9	540.6	567.2	597.3	624.0	664.1	677.4	430.5
77.5°	407.1	407.1	407.1	420.4	420.4	447.2	460.5	493.9	517.3	537.3	317.0
80°	303.7	300.3	303.7	307.0	307.0	320.4	343.7	367.1	387.1	387.1	216.9
82.5°	213.6	206.9	213.6	213.6	213.6	220.3	233.6	240.3	253.6	263.7	136.9
85°	133.5	133.5	133.5	136.9	133.5	140.1	143.5	150.2	150.2	143.5	83.4
87.5°	86.8	83.4	86.8	83.4	83.4	80.1	80.1	80.1	76.7	73.5	46.7
90°	31.2	31.2	31.2	31.2	31.2	41.5	55.4	62.3	53.5	36.1	23.0
92.5°	124.9	100.1	124.9	149.7	155.9	221.0	307.6	351.0	308.2	222.5	158.4
95°	435.2	360.1	435.2	510.4	529.1	694.7	915.7	1026.1	866.6	547.6	308.4
97.5°	1042.7	899.8	1042.7	1185.7	1221.4	1326.1	1465.7	1535.5	1269.6	737.7	338.8
100°	1502.4	1332.1	1502.4	1672.6	1715.1	1707.5	1697.3	1692.2	1397.1	806.8	364.2
102.5°	1954.4	1808.6	1954.4	2100.3	2136.8	2003.4	1825.4	1736.4	1437.1	838.5	389.6
105°	2530.9	2452.5	2530.9	2609.3	2628.9	2329.7	1930.9	1731.5	1441.7	862.1	427.3
107.5°	2908.5	2927.4	2908.5	2889.5	2884.7	2467.6	1911.3	1633.1	1377.5	866.5	483.1
110°	3052.5	3134.1	3052.5	2970.8	2950.4	2483.9	1862.1	1551.1	1320.6	859.9	514.3





TEST NUMBER: P935393

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3065.3	3190.7	3065.3	2940.0	2908.6	2431.2	1794.7	1476.4	1271.1	860.2	552.1
115°	2984.0	3158.0	2984.0	2810.2	2766.7	2306.8	1693.7	1387.0	1214.1	868.1	608.7
117.5°	2811.7	3004.5	2811.7	2618.8	2570.6	2155.6	1602.2	1325.5	1178.4	884.2	663.6
120°	2672.8	2860.2	2672.8	2485.4	2438.6	2059.4	1553.7	1300.9	1166.4	897.4	695.5
122.5°	2537.6	2722.3	2537.6	2352.8	2306.5	1965.0	1509.7	1282.0	1160.0	916.2	733.3
125°	2344.6	2514.9	2344.6	2174.4	2131.8	1841.7	1454.9	1261.5	1154.9	941.6	781.7
127.5°	2171.1	2314.7	2171.1	2027.4	1991.5	1742.5	1410.4	1244.3	1151.9	967.1	828.4
130°	2068.8	2201.5	2068.8	1936.1	1903.0	1681.2	1385.5	1237.7	1153.7	985.6	859.6
132.5°	1976.0	2094.9	1976.0	1857.1	1827.5	1629.0	1364.3	1232.0	1154.9	1000.7	885.0
135°	1848.9	1951.4	1848.9	1746.5	1720.9	1554.6	1333.0	1222.1	1153.8	1017.2	914.6
137.5°	1746.9	1830.8	1746.9	1663.1	1642.1	1501.6	1314.1	1220.5	1160.9	1041.7	952.3
140°	1676.9	1755.3	1676.9	1598.6	1579.0	1457.6	1295.7	1214.8	1162.1	1056.7	977.7
142.5°	1619.0	1686.5	1619.0	1551.6	1534.7	1428.0	1285.8	1214.8	1166.2	1069.3	996.6
145°	1532.0	1583.0	1532.0	1481.0	1468.3	1381.0	1264.7	1206.6	1166.3	1085.8	1025.3
147.5°	1465.3	1507.6	1465.3	1423.0	1412.4	1343.8	1252.3	1206.6	1174.3	1109.8	1061.4
150°	1423.3	1457.6	1423.3	1389.1	1380.5	1322.5	1245.2	1206.6	1178.5	1122.4	1080.3
152.5°	1387.4	1413.2	1387.4	1361.6	1355.1	1305.6	1239.6	1206.6	1181.2	1130.5	1092.6
155°	1346.1	1363.2	1346.1	1328.9	1324.7	1285.3	1232.8	1206.6	1187.2	1148.6	1119.6
157.5°	1313.5	1325.5	1313.5	1301.4	1298.5	1267.8	1227.0	1206.6	1193.3	1166.6	1146.7
160°	1294.0	1300.9	1294.0	1287.1	1285.3	1259.1	1224.1	1206.6	1196.0	1174.9	1159.0
162.5°	1281.2	1287.8	1281.2	1274.7	1273.0	1250.8	1221.4	1206.6	1198.9	1183.6	1172.2
165°	1262.9	1269.8	1262.9	1256.0	1254.2	1238.3	1217.1	1206.6	1203.1	1196.2	1191.0
167.5°	1249.6	1252.5	1249.6	1246.6	1245.9	1235.6	1221.7	1214.8	1211.8	1206.0	1201.6
170°	1245.9	1245.9	1245.9	1245.9	1245.9	1235.6	1221.7	1214.8	1214.6	1214.3	1214.0
172.5°	1236.2	1233.7	1236.2	1238.8	1239.4	1231.2	1220.3	1214.8	1214.8	1214.8	1214.8
175°	1230.3	1230.3	1230.3	1230.3	1230.3	1225.1	1218.2	1214.8	1216.4	1219.7	1222.1
177.5°	1225.1	1222.1	1225.1	1228.1	1228.8	1224.6	1219.2	1216.4	1217.7	1220.3	1222.1
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



TEST NUMBER: P935393

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3577.1	3557.1	3557.1	3523.8	3510.5	3500.4	3483.7	3433.6	3420.3	3406.9	3427.0
5°	3607.2	3570.5	3543.8	3483.7	3433.6	3413.6	3350.2	3230.1	3150.1	3089.9	3056.6
7.5°	3613.9	3567.2	3517.1	3423.7	3303.5	3250.2	3056.6	2836.3	2776.3	2722.9	2689.5
10°	3607.2	3553.8	3483.7	3343.5	3060.0	2966.5	2772.9	2629.5	2592.8	2582.7	2592.8
12.5°	3583.8	3533.7	3437.0	3203.4	2806.4	2743.0	2629.5	2546.0	2539.3	2556.1	2646.1
15°	3543.8	3497.0	3383.7	3016.6	2666.1	2619.5	2539.3	2509.4	2546.0	2662.9	2933.2
17.5°	3503.8	3450.3	3310.2	2833.1	2559.4	2526.0	2469.3	2529.4	2736.2	2893.1	2983.1
20°	3450.3	3386.9	3226.8	2699.6	2482.6	2452.6	2426.0	2696.2	2853.1	2909.8	2959.9
22.5°	3386.9	3320.3	3113.3	2606.1	2402.6	2379.2	2395.9	2789.7	2853.1	2893.1	2936.5
25°	3303.5	3246.8	2979.9	2532.7	2339.2	2312.5	2375.9	2779.6	2816.3	2826.4	2913.1
27.5°	3226.8	3153.3	2839.7	2466.0	2262.4	2252.4	2392.5	2736.2	2763.0	2772.9	2866.4
30°	3133.3	3023.3	2682.9	2395.9	2182.3	2179.0	2395.9	2682.9	2676.2	2702.9	2796.3
32.5°	3036.6	2829.7	2506.0	2309.1	2105.6	2102.3	2372.5	2602.7	2596.1	2632.8	2702.9
35°	2946.5	2679.6	2265.7	2209.0	2008.8	2012.1	2315.8	2509.4	2512.7	2546.0	2589.4
37.5°	2853.1	2549.4	2002.2	2098.9	1915.4	1915.4	2239.0	2422.6	2415.9	2426.0	2486.0
40°	2743.0	2345.8	1768.6	1955.4	1828.6	1818.6	2145.6	2329.1	2305.8	2302.5	2385.9
42.5°	2626.1	2122.3	1595.1	1765.2	1728.6	1715.1	2032.1	2215.7	2172.4	2182.3	2289.1
45°	2499.3	2062.2	1461.5	1491.6	1625.0	1615.1	1908.7	2085.6	2055.5	2082.2	2192.4
47.5°	2372.5	1942.0	1418.2	1238.0	1515.0	1511.6	1771.9	1958.8	1942.0	1968.7	2085.6
50°	2199.0	1808.6	1414.8	1061.1	1391.4	1404.9	1608.4	1835.3	1835.3	1858.6	1982.2
52.5°	1975.5	1645.0	1284.7	961.1	1248.0	1288.0	1464.9	1728.6	1735.2	1758.5	1868.7
55°	1771.9	1475.0	1191.3	884.2	1077.8	1164.6	1324.8	1618.4	1631.7	1655.1	1755.2
57.5°	1585.0	1228.0	1171.3	794.2	921.0	1004.4	1201.2	1511.6	1518.2	1538.4	1635.1
60°	1384.8	887.6	1074.4	697.4	784.2	847.6	1087.9	1384.8	1408.2	1421.5	1504.9
62.5°	1157.9	644.1	974.4	630.6	717.4	730.8	994.4	1264.6	1294.7	1304.8	1354.8
65°	824.2	540.6	827.5	574.0	647.3	650.7	894.3	1141.2	1167.9	1184.6	1221.3
67.5°	557.3	440.4	630.6	520.5	594.0	597.3	797.5	997.7	1034.4	1047.8	1071.2
70°	387.1	293.6	467.2	463.8	533.9	540.6	694.0	867.6	901.0	911.0	924.3
72.5°	283.7	236.9	387.1	417.1	470.5	477.2	587.3	720.8	754.1	764.2	770.9
75°	216.9	250.2	313.6	363.7	400.4	403.8	480.5	587.3	610.6	617.3	620.7
77.5°	173.5	233.6	230.2	293.6	327.1	320.4	377.0	453.9	473.9	473.9	473.9
80°	130.2	183.5	173.5	210.2	240.3	233.6	270.3	323.7	330.3	337.0	333.7
82.5°	96.7	116.7	116.7	133.5	160.1	153.5	180.2	210.2	210.2	210.2	216.9
85°	60.0	66.8	53.3	70.1	90.1	86.8	100.1	113.5	116.7	116.7	110.1
87.5°	36.7	30.1	16.7	26.7	40.0	40.0	46.7	50.1	46.7	46.7	46.7
90°	21.3	14.8	8.2	14.8	21.3	23.0	36.1	53.5	62.3	55.4	41.5
92.5°	144.4	88.6	32.8	88.6	144.4	158.4	222.5	308.2	351.0	307.6	221.0
95°	282.9	180.8	78.8	180.8	282.9	308.4	547.6	866.6	1026.1	915.7	694.7
97.5°	316.3	226.2	136.2	226.2	316.3	338.8	737.7	1269.6	1535.5	1465.7	1326.1
100°	343.8	262.1	180.4	262.1	343.8	364.2	806.8	1397.1	1692.2	1697.3	1707.5
102.5°	370.5	294.3	218.2	294.3	370.5	389.6	838.5	1437.1	1736.4	1825.4	2003.4
105°	411.2	346.7	282.2	346.7	411.2	427.3	862.1	1441.7	1731.5	1930.9	2329.7
107.5°	468.1	407.9	347.8	407.9	468.1	483.1	866.5	1377.5	1633.1	1911.3	2467.6
110°	500.7	446.4	392.0	446.4	500.7	514.3	859.9	1320.6	1551.1	1862.1	2483.9



TEST NUMBER: P935393

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	539.1	487.3	435.5	487.3	539.1	552.1	860.2	1271.1	1476.4	1794.7	2431.2
115°	596.7	548.9	501.2	548.9	596.7	608.7	868.1	1214.1	1387.0	1693.7	2306.8
117.5°	652.7	609.3	566.0	609.3	652.7	663.6	884.2	1178.4	1325.5	1602.2	2155.6
120°	685.4	644.5	603.7	644.5	685.4	695.5	897.4	1166.4	1300.9	1553.7	2059.4
122.5°	723.0	681.8	640.6	681.8	723.0	733.3	916.2	1160.0	1282.0	1509.7	1965.0
125°	772.3	734.8	697.2	734.8	772.3	781.7	941.6	1154.9	1261.5	1454.9	1841.7
127.5°	819.0	781.0	743.1	781.0	819.0	828.4	967.1	1151.9	1244.3	1410.4	1742.5
130°	849.3	808.5	767.7	808.5	849.3	859.6	985.6	1153.7	1237.7	1385.5	1681.2
132.5°	874.8	834.0	793.1	834.0	874.8	885.0	1000.7	1154.9	1232.0	1364.3	1629.0
135°	905.3	868.1	830.9	868.1	905.3	914.6	1017.2	1153.8	1222.1	1333.0	1554.6
137.5°	943.1	906.2	869.5	906.2	943.1	952.3	1041.7	1160.9	1220.5	1314.1	1501.6
140°	969.2	935.3	901.4	935.3	969.2	977.7	1056.7	1162.1	1214.8	1295.7	1457.6
142.5°	988.8	957.4	926.1	957.4	988.8	996.6	1069.3	1166.2	1214.8	1285.8	1428.0
145°	1018.5	991.1	963.8	991.1	1018.5	1025.3	1085.8	1166.3	1206.6	1264.7	1381.0
147.5°	1054.7	1028.1	1001.5	1028.1	1054.7	1061.4	1109.8	1174.3	1206.6	1252.3	1343.8
150°	1074.2	1050.2	1026.1	1050.2	1074.2	1080.3	1122.4	1178.5	1206.6	1245.2	1322.5
152.5°	1088.1	1069.8	1051.6	1069.8	1088.1	1092.6	1130.5	1181.2	1206.6	1239.6	1305.6
155°	1116.3	1102.7	1089.2	1102.7	1116.3	1119.6	1148.6	1187.2	1206.6	1232.8	1285.3
157.5°	1143.5	1130.3	1117.1	1130.3	1143.5	1146.7	1166.6	1193.3	1206.6	1227.0	1267.8
160°	1156.5	1146.3	1136.1	1146.3	1156.5	1159.0	1174.9	1196.0	1206.6	1224.1	1259.1
162.5°	1170.3	1162.6	1154.9	1162.6	1170.3	1172.2	1183.6	1198.9	1206.6	1221.4	1250.8
165°	1189.2	1182.3	1175.4	1182.3	1189.2	1191.0	1196.2	1203.1	1206.6	1217.1	1238.3
167.5°	1200.8	1197.5	1194.2	1197.5	1200.8	1201.6	1206.0	1211.8	1214.8	1221.7	1235.6
170°	1213.2	1209.8	1206.6	1209.8	1213.2	1214.0	1214.3	1214.6	1214.8	1221.7	1235.6
172.5°	1214.6	1213.9	1213.2	1213.9	1214.6	1214.8	1214.8	1214.8	1214.8	1220.3	1231.2
175°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1219.7	1216.4	1214.8	1218.2	1225.1
177.5°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1220.3	1217.7	1216.4	1219.2	1224.6
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



TEST NUMBER: P935393

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3403.7	3393.6	3406.9	3370.2	3406.9	3393.6	3403.7	3427.0	3406.9	3420.3	3433.6
5°	2986.5	2969.8	2916.5	2873.1	2916.5	2969.8	2986.5	3056.6	3089.9	3150.1	3230.1
7.5°	2669.5	2656.2	2642.8	2616.2	2642.8	2656.2	2669.5	2689.5	2722.9	2776.3	2836.3
10°	2599.5	2602.7	2622.8	2619.5	2622.8	2602.7	2599.5	2592.8	2582.7	2592.8	2629.5
12.5°	2779.6	2809.7	2919.7	2913.1	2919.7	2809.7	2779.6	2646.1	2556.1	2539.3	2546.0
15°	2986.5	2996.6	3019.9	3023.3	3019.9	2996.6	2986.5	2933.2	2662.9	2546.0	2509.4
17.5°	3006.5	3009.9	3026.5	3026.5	3026.5	3009.9	3006.5	2983.1	2893.1	2736.2	2529.4
20°	2989.8	2996.6	3029.9	3036.6	3029.9	2996.6	2989.8	2959.9	2909.8	2853.1	2696.2
22.5°	2983.1	2996.6	3023.3	3019.9	3023.3	2996.6	2983.1	2936.5	2893.1	2853.1	2789.7
25°	2949.8	2949.8	2953.2	2956.5	2953.2	2949.8	2949.8	2913.1	2826.4	2816.3	2779.6
27.5°	2879.7	2886.4	2906.4	2903.1	2906.4	2886.4	2879.7	2866.4	2772.9	2763.0	2736.2
30°	2816.3	2809.7	2792.9	2779.6	2792.9	2809.7	2816.3	2796.3	2702.9	2676.2	2682.9
32.5°	2709.5	2692.9	2676.2	2666.1	2676.2	2692.9	2709.5	2702.9	2632.8	2596.1	2602.7
35°	2582.7	2586.1	2582.7	2572.8	2582.7	2586.1	2582.7	2589.4	2546.0	2512.7	2509.4
37.5°	2492.7	2499.3	2496.0	2482.6	2496.0	2499.3	2492.7	2486.0	2426.0	2415.9	2422.6
40°	2399.2	2402.6	2399.2	2389.2	2399.2	2402.6	2399.2	2385.9	2302.5	2305.8	2329.1
42.5°	2309.1	2305.8	2295.8	2289.1	2295.8	2305.8	2309.1	2289.1	2182.3	2172.4	2215.7
45°	2205.7	2209.0	2189.0	2179.0	2189.0	2209.0	2205.7	2192.4	2082.2	2055.5	2085.6
47.5°	2102.3	2102.3	2085.6	2075.5	2085.6	2102.3	2102.3	2085.6	1968.7	1942.0	1958.8
50°	1992.1	1988.8	1965.4	1962.1	1965.4	1988.8	1992.1	1982.2	1858.6	1835.3	1835.3
52.5°	1865.3	1865.3	1868.7	1875.4	1868.7	1865.3	1865.3	1868.7	1758.5	1735.2	1728.6
55°	1755.2	1758.5	1781.9	1788.6	1781.9	1758.5	1755.2	1755.2	1655.1	1631.7	1618.4
57.5°	1641.8	1641.8	1658.5	1658.5	1658.5	1641.8	1641.8	1635.1	1538.4	1518.2	1511.6
60°	1511.6	1518.2	1531.7	1528.3	1531.7	1518.2	1511.6	1504.9	1421.5	1408.2	1384.8
62.5°	1374.8	1381.5	1384.8	1378.1	1384.8	1381.5	1374.8	1354.8	1304.8	1294.7	1264.6
65°	1231.3	1238.0	1241.4	1234.7	1241.4	1238.0	1231.3	1221.3	1184.6	1167.9	1141.2
67.5°	1084.5	1081.1	1077.8	1091.2	1077.8	1081.1	1084.5	1071.2	1047.8	1034.4	997.7
70°	934.3	934.3	931.0	937.7	931.0	934.3	934.3	924.3	911.0	901.0	867.6
72.5°	774.2	770.9	784.2	774.2	784.2	770.9	774.2	770.9	764.2	754.1	720.8
75°	617.3	624.0	617.3	627.3	617.3	624.0	617.3	620.7	617.3	610.6	587.3
77.5°	470.5	477.2	470.5	470.5	470.5	477.2	470.5	473.9	473.9	473.9	453.9
80°	333.7	330.3	330.3	327.1	330.3	330.3	333.7	333.7	337.0	330.3	323.7
82.5°	213.6	210.2	210.2	216.9	210.2	210.2	213.6	216.9	210.2	210.2	210.2
85°	116.7	120.1	113.5	113.5	113.5	120.1	116.7	110.1	116.7	116.7	113.5
87.5°	43.4	40.0	40.0	40.0	40.0	40.0	43.4	46.7	46.7	46.7	50.1
90°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	41.5	55.4	62.3	53.5
92.5°	155.9	149.7	124.9	100.1	124.9	149.7	155.9	221.0	307.6	351.0	308.2
95°	529.1	510.4	435.2	360.1	435.2	510.4	529.1	694.7	915.7	1026.1	866.6
97.5°	1221.4	1185.7	1042.7	899.8	1042.7	1185.7	1221.4	1326.1	1465.7	1535.5	1269.6
100°	1715.1	1672.6	1502.4	1332.1	1502.4	1672.6	1715.1	1707.5	1697.3	1692.2	1397.1
102.5°	2136.8	2100.3	1954.4	1808.6	1954.4	2100.3	2136.8	2003.4	1825.4	1736.4	1437.1
105°	2628.9	2609.3	2530.9	2452.5	2530.9	2609.3	2628.9	2329.7	1930.9	1731.5	1441.7
107.5°	2884.7	2889.5	2908.5	2927.4	2908.5	2889.5	2884.7	2467.6	1911.3	1633.1	1377.5
110°	2950.4	2970.8	3052.5	3134.1	3052.5	2970.8	2950.4	2483.9	1862.1	1551.1	1320.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2908.6	2940.0	3065.3	3190.7	3065.3	2940.0	2908.6	2431.2	1794.7	1476.4	1271.1
115°	2766.7	2810.2	2984.0	3158.0	2984.0	2810.2	2766.7	2306.8	1693.7	1387.0	1214.1
117.5°	2570.6	2618.8	2811.7	3004.5	2811.7	2618.8	2570.6	2155.6	1602.2	1325.5	1178.4
120°	2438.6	2485.4	2672.8	2860.2	2672.8	2485.4	2438.6	2059.4	1553.7	1300.9	1166.4
122.5°	2306.5	2352.8	2537.6	2722.3	2537.6	2352.8	2306.5	1965.0	1509.7	1282.0	1160.0
125°	2131.8	2174.4	2344.6	2514.9	2344.6	2174.4	2131.8	1841.7	1454.9	1261.5	1154.9
127.5°	1991.5	2027.4	2171.1	2314.7	2171.1	2027.4	1991.5	1742.5	1410.4	1244.3	1151.9
130°	1903.0	1936.1	2068.8	2201.5	2068.8	1936.1	1903.0	1681.2	1385.5	1237.7	1153.7
132.5°	1827.5	1857.1	1976.0	2094.9	1976.0	1857.1	1827.5	1629.0	1364.3	1232.0	1154.9
135°	1720.9	1746.5	1848.9	1951.4	1848.9	1746.5	1720.9	1554.6	1333.0	1222.1	1153.8
137.5°	1642.1	1663.1	1746.9	1830.8	1746.9	1663.1	1642.1	1501.6	1314.1	1220.5	1160.9
140°	1579.0	1598.6	1676.9	1755.3	1676.9	1598.6	1579.0	1457.6	1295.7	1214.8	1162.1
142.5°	1534.7	1551.6	1619.0	1686.5	1619.0	1551.6	1534.7	1428.0	1285.8	1214.8	1166.2
145°	1468.3	1481.0	1532.0	1583.0	1532.0	1481.0	1468.3	1381.0	1264.7	1206.6	1166.3
147.5°	1412.4	1423.0	1465.3	1507.6	1465.3	1423.0	1412.4	1343.8	1252.3	1206.6	1174.3
150°	1380.5	1389.1	1423.3	1457.6	1423.3	1389.1	1380.5	1322.5	1245.2	1206.6	1178.5
152.5°	1355.1	1361.6	1387.4	1413.2	1387.4	1361.6	1355.1	1305.6	1239.6	1206.6	1181.2
155°	1324.7	1328.9	1346.1	1363.2	1346.1	1328.9	1324.7	1285.3	1232.8	1206.6	1187.2
157.5°	1298.5	1301.4	1313.5	1325.5	1313.5	1301.4	1298.5	1267.8	1227.0	1206.6	1193.3
160°	1285.3	1287.1	1294.0	1300.9	1294.0	1287.1	1285.3	1259.1	1224.1	1206.6	1196.0
162.5°	1273.0	1274.7	1281.2	1287.8	1281.2	1274.7	1273.0	1250.8	1221.4	1206.6	1198.9
165°	1254.2	1256.0	1262.9	1269.8	1262.9	1256.0	1254.2	1238.3	1217.1	1206.6	1203.1
167.5°	1245.9	1246.6	1249.6	1252.5	1249.6	1246.6	1245.9	1235.6	1221.7	1214.8	1211.8
170°	1245.9	1245.9	1245.9	1245.9	1245.9	1245.9	1245.9	1235.6	1221.7	1214.8	1214.6
172.5°	1239.4	1238.8	1236.2	1233.7	1236.2	1238.8	1239.4	1231.2	1220.3	1214.8	1214.8
175°	1230.3	1230.3	1230.3	1230.3	1230.3	1230.3	1230.3	1225.1	1218.2	1214.8	1216.4
177.5°	1228.8	1228.1	1225.1	1222.1	1225.1	1228.1	1228.8	1224.6	1219.2	1216.4	1217.7
180°	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1	1222.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3483.7	3500.4	3510.5	3523.8	3557.1
5°	3350.2	3413.6	3433.6	3483.7	3543.8
7.5°	3056.6	3250.2	3303.5	3423.7	3517.1
10°	2772.9	2966.5	3060.0	3343.5	3483.7
12.5°	2629.5	2743.0	2806.4	3203.4	3437.0
15°	2539.3	2619.5	2666.1	3016.6	3383.7
17.5°	2469.3	2526.0	2559.4	2833.1	3310.2
20°	2426.0	2452.6	2482.6	2699.6	3226.8
22.5°	2395.9	2379.2	2402.6	2606.1	3113.3
25°	2375.9	2312.5	2339.2	2532.7	2979.9
27.5°	2392.5	2252.4	2262.4	2466.0	2839.7
30°	2395.9	2179.0	2182.3	2395.9	2682.9
32.5°	2372.5	2102.3	2105.6	2309.1	2506.0
35°	2315.8	2012.1	2008.8	2209.0	2265.7
37.5°	2239.0	1915.4	1915.4	2098.9	2002.2
40°	2145.6	1818.6	1828.6	1955.4	1768.6
42.5°	2032.1	1715.1	1728.6	1765.2	1595.1
45°	1908.7	1615.1	1625.0	1491.6	1461.5
47.5°	1771.9	1511.6	1515.0	1238.0	1418.2
50°	1608.4	1404.9	1391.4	1061.1	1414.8
52.5°	1464.9	1288.0	1248.0	961.1	1284.7
55°	1324.8	1164.6	1077.8	884.2	1191.3
57.5°	1201.2	1004.4	921.0	794.2	1171.3
60°	1087.9	847.6	784.2	697.4	1074.4
62.5°	994.4	730.8	717.4	630.6	974.4
65°	894.3	650.7	647.3	574.0	827.5
67.5°	797.5	597.3	594.0	520.5	630.6
70°	694.0	540.6	533.9	463.8	467.2
72.5°	587.3	477.2	470.5	417.1	387.1
75°	480.5	403.8	400.4	363.7	313.6
77.5°	377.0	320.4	327.1	293.6	230.2
80°	270.3	233.6	240.3	210.2	173.5
82.5°	180.2	153.5	160.1	133.5	116.7
85°	100.1	86.8	90.1	70.1	53.3
87.5°	46.7	40.0	40.0	26.7	16.7
90°	36.1	23.0	21.3	14.8	8.2
92.5°	222.5	158.4	144.4	88.6	32.8
95°	547.6	308.4	282.9	180.8	78.8
97.5°	737.7	338.8	316.3	226.2	136.2
100°	806.8	364.2	343.8	262.1	180.4
102.5°	838.5	389.6	370.5	294.3	218.2
105°	862.1	427.3	411.2	346.7	282.2
107.5°	866.5	483.1	468.1	407.9	347.8
110°	859.9	514.3	500.7	446.4	392.0



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	860.2	552.1	539.1	487.3	435.5
115°	868.1	608.7	596.7	548.9	501.2
117.5°	884.2	663.6	652.7	609.3	566.0
120°	897.4	695.5	685.4	644.5	603.7
122.5°	916.2	733.3	723.0	681.8	640.6
125°	941.6	781.7	772.3	734.8	697.2
127.5°	967.1	828.4	819.0	781.0	743.1
130°	985.6	859.6	849.3	808.5	767.7
132.5°	1000.7	885.0	874.8	834.0	793.1
135°	1017.2	914.6	905.3	868.1	830.9
137.5°	1041.7	952.3	943.1	906.2	869.5
140°	1056.7	977.7	969.2	935.3	901.4
142.5°	1069.3	996.6	988.8	957.4	926.1
145°	1085.8	1025.3	1018.5	991.1	963.8
147.5°	1109.8	1061.4	1054.7	1028.1	1001.5
150°	1122.4	1080.3	1074.2	1050.2	1026.1
152.5°	1130.5	1092.6	1088.1	1069.8	1051.6
155°	1148.6	1119.6	1116.3	1102.7	1089.2
157.5°	1166.6	1146.7	1143.5	1130.3	1117.1
160°	1174.9	1159.0	1156.5	1146.3	1136.1
162.5°	1183.6	1172.2	1170.3	1162.6	1154.9
165°	1196.2	1191.0	1189.2	1182.3	1175.4
167.5°	1206.0	1201.6	1200.8	1197.5	1194.2
170°	1214.3	1214.0	1213.2	1209.8	1206.6
172.5°	1214.8	1214.8	1214.6	1213.9	1213.2
175°	1219.7	1222.1	1222.1	1222.1	1222.1
177.5°	1220.3	1222.1	1222.1	1222.1	1222.1
180°	1222.1	1222.1	1222.1	1222.1	1222.1



TEST NUMBER: P935393

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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	14.84	15.74	15.77	16.68	17.90	17.68	18.58	18.61	19.52	20.74
	3H	15.32	16.13	16.26	17.08	18.32	19.03	19.83	19.97	20.79	22.03
	4H	15.52	16.27	16.47	17.23	18.48	19.48	20.24	20.43	21.20	22.45
	6H	15.64	16.34	16.60	17.30	18.56	19.77	20.47	20.73	21.43	22.70
	8H	15.64	16.30	16.61	17.28	18.55	19.85	20.51	20.82	21.49	22.75
	12H	15.61	16.24	16.59	17.22	18.51	19.89	20.52	20.86	21.49	22.78
4H	2H	15.88	16.64	16.84	17.60	18.85	18.10	18.85	19.05	19.81	21.06
	3H	16.91	17.55	17.88	18.53	19.80	19.61	20.24	20.57	21.23	22.49
	4H	17.19	17.77	18.17	18.75	20.04	20.14	20.71	21.11	21.70	22.99
	6H	17.32	17.81	18.31	18.82	20.11	20.51	21.00	21.50	22.01	23.30
	8H	17.32	17.79	18.32	18.79	20.09	20.62	21.08	21.61	22.08	23.38
	12H	17.29	17.71	18.30	18.73	20.03	20.68	21.09	21.69	22.11	23.42
8H	4H	17.65	18.11	18.64	19.11	20.41	20.26	20.73	21.26	21.73	23.03
	6H	17.91	18.30	18.93	19.34	20.64	20.70	21.09	21.72	22.13	23.43
	8H	17.95	18.29	18.98	19.32	20.64	20.86	21.20	21.88	22.22	23.54
	12H	17.94	18.24	18.97	19.26	20.62	20.96	21.26	21.99	22.28	23.64
12H	4H	17.66	18.08	18.67	19.09	20.40	20.23	20.65	21.24	21.66	22.97
	6H	17.97	18.31	19.00	19.34	20.66	20.70	21.04	21.73	22.07	23.39
	8H	18.04	18.34	19.07	19.36	20.72	20.87	21.16	21.89	22.19	23.55