

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: P934869

Luminaire Tested: SQ4-FA-075U-100D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

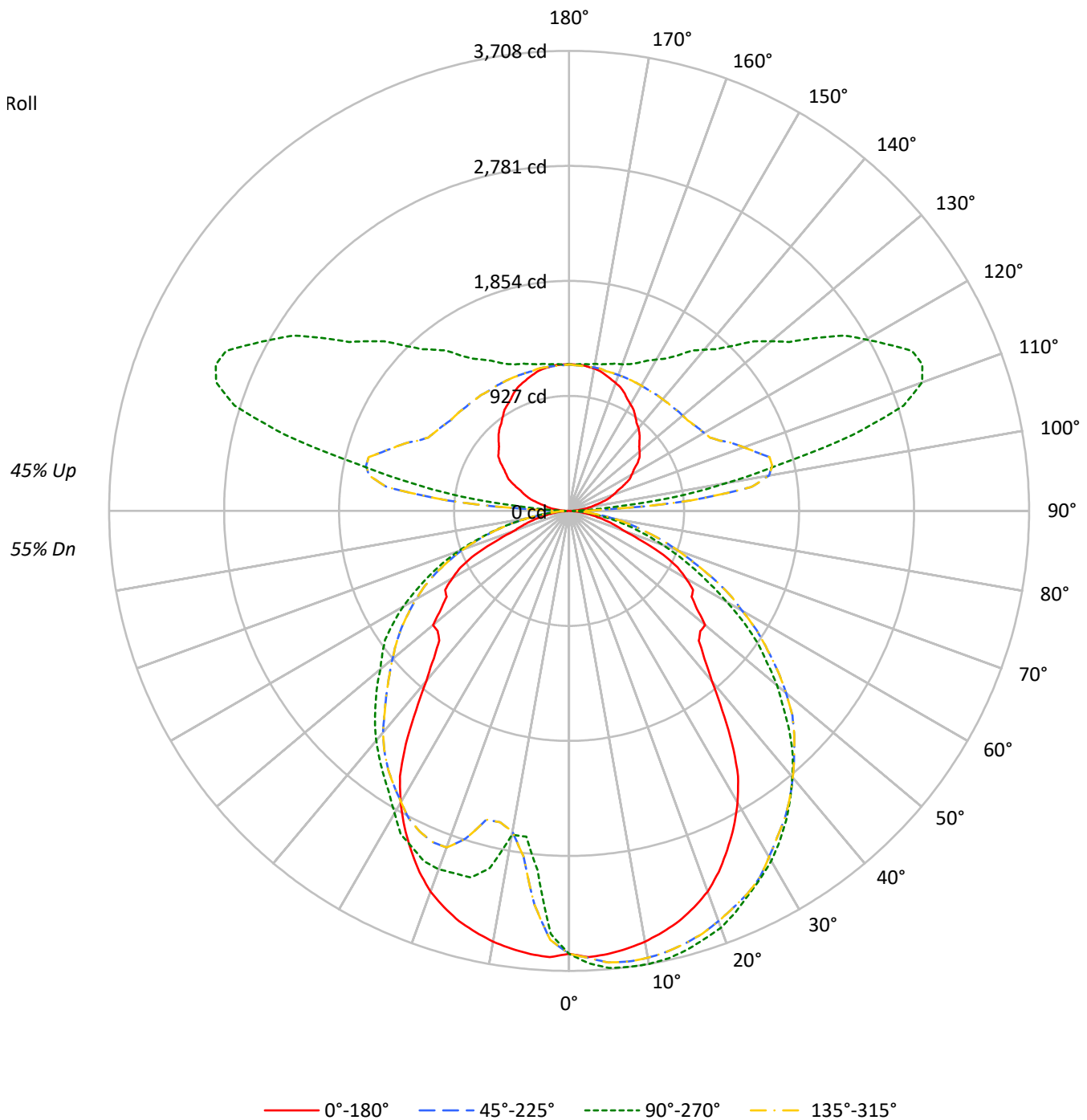
Test Method: LM-79-2019  
Report Number: P934869  
REPORT IS A COMBINATION OF REPORTS P933713 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-100D-935-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16913.0 lumens  
Efficiency: N/A  
Efficacy: 110.1 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): 153.6  
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	50	30	10	0
RCR																					
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	51	51	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	43	43	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	37	37	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	32	32	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	28	28	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	24	24	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	21	21	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	19	19	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	17	17	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	16	16	16	14

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

	0°	90°	180°	270°
0°	11041	11041	11041	11041
5°	11128	11145	11128	8764
10°	11057	10979	11057	7849
15°	10941	10741	10941	8969
20°	10716	10459	10716	8988
25°	10252	10048	10252	8797
30°	9651	9707	9651	8379
35°	8608	9275	8608	7919
40°	7177	8767	7177	7572
45°	6417	8172	6417	7173
50°	6823	7463	6823	6772
55°	6425	6699	6425	6540
60°	6631	5689	6631	5990
65°	6022	4703	6022	5257
70°	4180	3748	4180	4407
75°	3680	2771	3680	3318
80°	2987	1831	2987	1994
85°	1750	970	1750	824

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 9828 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.2	1.9
10°-20°	914.9	5.4
20°-30°	1414.2	8.4
30°-40°	1688.3	10.0
40°-50°	1698.2	10.0
50°-60°	1477.6	8.7
60°-70°	1047.6	6.2
70°-80°	554.3	3.3
80°-90°	142.5	0.8
90°-100°	575.5	3.4
100°-110°	1513.0	8.9
110°-120°	1568.8	9.3
120°-130°	1258.4	7.4
130°-140°	987.4	5.8
140°-150°	757.8	4.5
150°-160°	545.8	3.2
160°-170°	333.9	2.0
170°-180°	112.8	0.7
0°-30°	2651.3	15.7
0°-40°	4339.6	25.7
0°-60°	7515.3	44.4
0°-90°	9259.8	54.7
90°-120°	3657.2	21.6
90°-150°	6660.7	39.4
90°-180°	7653.0	45.2
0°-180°	16913.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3570	3570	3570	3570	3570	
5°	3586	3698	3586	2908	3586	340
15°	3424	3664	3424	3060	3424	963
25°	3016	3418	3016	2992	3016	1385
35°	2293	3050	2293	2604	2293	1419
45°	1479	2512	1479	2205	1479	1185
55°	1206	1854	1206	1810	1206	1108
65°	838	1118	838	1250	838	800
75°	318	530	318	635	318	334
85°	54	135	54	115	54	73
90°	8	30	8	30	8	9
95°	76	348	76	348	76	84
105°	273	2369	273	2369	273	289
115°	484	3050	484	3050	484	478
125°	674	2429	674	2429	674	598
135°	803	1885	803	1885	803	621
145°	931	1529	931	1529	931	583
155°	1052	1317	1052	1317	1052	483
165°	1136	1226	1136	1226	1136	320
175°	1181	1188	1181	1188	1181	112
180°	1181	1181	1181	1181	1181	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3600.0	3600.0	3620.2	3627.0	3627.0	3616.8	3606.7	3616.8	3647.2	3657.4	3654.0
5°	3586.5	3613.5	3650.6	3657.4	3664.1	3660.8	3654.0	3660.8	3694.5	3701.3	3704.7
7.5°	3559.4	3610.1	3657.4	3667.5	3677.7	3667.5	3664.1	3670.9	3704.7	3711.4	3711.4
10°	3525.7	3596.6	3650.6	3657.4	3667.5	3657.4	3657.4	3670.9	3704.7	3711.4	3714.8
12.5°	3478.4	3576.4	3627.0	3633.8	3647.2	3643.8	3640.5	3654.0	3687.8	3694.5	3694.5
15°	3424.4	3539.2	3586.5	3593.2	3616.8	3610.1	3610.1	3623.6	3660.8	3670.9	3667.5
17.5°	3350.1	3491.9	3545.9	3556.1	3572.9	3569.5	3572.9	3586.5	3620.2	3627.0	3630.4
20°	3265.6	3427.8	3491.9	3502.1	3518.9	3518.9	3518.9	3535.8	3569.5	3583.1	3583.1
22.5°	3150.8	3360.2	3427.8	3434.5	3454.8	3454.8	3461.5	3485.1	3515.5	3518.9	3518.9
25°	3015.7	3285.9	3343.3	3363.6	3383.8	3393.9	3404.1	3417.6	3427.8	3424.4	3427.8
27.5°	2873.9	3191.3	3265.6	3279.2	3306.2	3316.3	3329.8	3333.2	3336.5	3346.7	3339.9
30°	2715.2	3059.6	3171.1	3184.6	3228.5	3235.2	3221.8	3228.5	3245.4	3252.2	3258.9
32.5°	2536.1	2863.7	3073.2	3103.5	3144.1	3123.8	3120.4	3130.6	3157.6	3157.6	3164.3
35°	2293.1	2711.8	2982.0	3009.0	3039.3	3015.7	3029.2	3032.6	3049.5	3059.6	3056.3
37.5°	2026.2	2580.1	2887.4	2907.7	2931.3	2900.9	2921.2	2931.3	2944.9	2938.0	2938.0
40°	1789.9	2374.1	2776.0	2789.4	2809.7	2786.1	2806.3	2813.1	2819.9	2813.1	2809.7
42.5°	1614.3	2147.8	2657.7	2674.7	2661.1	2678.0	2684.7	2698.3	2688.1	2674.7	2674.7
45°	1479.2	2087.1	2529.4	2549.7	2529.4	2556.4	2566.6	2566.6	2536.1	2529.4	2526.1
47.5°	1435.3	1965.5	2401.1	2401.1	2391.0	2424.7	2441.7	2418.0	2387.6	2377.5	2377.5
50°	1431.9	1830.4	2225.5	2212.0	2259.2	2299.8	2282.9	2259.2	2235.6	2198.5	2198.5
52.5°	1300.2	1664.9	1999.2	2049.9	2124.2	2147.8	2120.8	2097.2	2056.6	2039.8	2026.2
55°	1205.6	1492.7	1793.2	1894.5	1972.2	2002.6	1951.9	1928.3	1867.5	1857.4	1850.6
57.5°	1185.4	1242.7	1604.1	1732.5	1827.0	1823.6	1793.2	1749.3	1698.6	1688.6	1685.2
60°	1087.4	898.3	1401.5	1553.5	1651.4	1641.3	1614.3	1573.7	1526.4	1519.7	1512.9
62.5°	986.1	651.8	1171.8	1344.1	1482.6	1479.2	1455.6	1394.7	1361.0	1344.1	1330.6
65°	837.5	547.1	834.1	1117.8	1317.0	1323.8	1273.1	1229.3	1192.1	1171.8	1168.4
67.5°	638.2	445.8	563.9	932.1	1158.4	1151.6	1087.4	1067.1	1019.8	1009.7	989.5
70°	472.8	297.2	391.7	756.5	1003.0	986.1	935.4	911.8	867.9	844.2	830.8
72.5°	391.7	239.8	287.0	587.6	844.2	824.0	780.1	753.1	715.9	695.7	682.2
75°	317.5	253.3	219.5	435.6	685.5	672.1	631.5	604.5	574.1	547.1	550.5
77.5°	233.0	236.4	175.6	320.9	543.7	523.5	499.8	466.0	452.5	425.5	425.5
80°	175.6	185.7	131.7	219.5	391.7	391.7	371.5	347.9	324.2	310.7	310.7
82.5°	118.2	118.2	97.9	138.4	266.8	256.6	243.2	236.4	222.9	216.2	216.2
85°	54.0	67.6	60.7	84.4	145.2	152.0	152.0	145.2	141.9	135.0	138.4
87.5°	16.9	30.4	37.1	47.3	74.3	77.7	81.0	81.0	81.0	84.4	84.4
90°	7.9	14.2	20.5	22.2	34.8	51.8	60.2	53.5	40.1	30.1	30.1
92.5°	31.7	85.5	139.5	152.9	215.0	297.7	339.1	297.2	213.4	150.5	144.6
95°	76.1	174.7	273.3	297.9	529.0	837.2	991.2	884.5	671.1	511.0	492.9
97.5°	131.5	218.5	305.5	327.3	712.6	1226.4	1483.2	1415.8	1280.9	1179.8	1145.3
100°	174.3	253.2	332.1	351.8	779.4	1349.5	1634.6	1639.5	1649.4	1656.8	1615.6
102.5°	210.8	284.4	357.9	376.3	810.0	1388.2	1677.4	1763.3	1935.1	2064.1	2028.9
105°	272.6	334.9	397.2	412.8	832.7	1392.7	1672.6	1865.3	2250.6	2539.5	2520.6
107.5°	335.9	394.0	452.2	466.7	837.0	1330.7	1577.6	1846.3	2383.6	2786.6	2791.2
110°	378.7	431.2	483.7	496.8	830.6	1275.8	1498.3	1798.7	2399.5	2850.0	2869.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	420.7	470.7	520.7	533.3	831.0	1227.8	1426.2	1733.6	2348.5	2809.6	2839.9
115°	484.1	530.2	576.4	587.9	838.5	1172.8	1339.9	1636.0	2228.3	2672.6	2714.6
117.5°	546.7	588.6	630.5	641.0	854.1	1138.3	1280.4	1547.7	2082.2	2483.2	2529.8
120°	583.2	622.6	662.0	671.9	866.8	1126.7	1256.6	1500.8	1989.2	2355.6	2400.9
122.5°	618.8	658.6	698.4	708.4	885.1	1120.6	1238.4	1458.3	1898.2	2228.1	2272.7
125°	673.5	709.8	746.1	755.1	909.6	1115.6	1218.6	1405.5	1779.1	2059.3	2100.4
127.5°	717.9	754.5	791.2	800.3	934.2	1112.7	1202.0	1362.4	1683.2	1923.8	1958.5
130°	741.7	781.1	820.5	830.4	952.1	1114.4	1195.6	1338.4	1624.0	1838.2	1870.2
132.5°	766.2	805.7	845.0	854.9	966.6	1115.6	1190.1	1317.9	1573.6	1765.3	1794.1
135°	802.7	838.5	874.5	883.4	982.5	1114.6	1180.6	1287.6	1501.7	1662.3	1687.0
137.5°	839.9	875.4	911.0	919.9	1006.3	1121.4	1179.0	1269.5	1450.5	1586.3	1606.5
140°	870.7	903.5	936.3	944.4	1020.8	1122.6	1173.5	1251.7	1408.0	1525.3	1544.2
142.5°	894.5	924.8	955.1	962.7	1033.0	1126.6	1173.5	1242.1	1379.5	1482.5	1498.8
145°	931.0	957.4	983.8	990.4	1048.8	1126.6	1165.5	1221.7	1334.1	1418.3	1430.7
147.5°	967.4	993.2	1018.9	1025.3	1072.1	1134.4	1165.5	1209.8	1298.1	1364.4	1374.6
150°	991.2	1014.5	1037.7	1043.5	1084.2	1138.4	1165.5	1202.9	1277.5	1333.5	1341.7
152.5°	1015.8	1033.4	1050.9	1055.4	1092.1	1141.1	1165.5	1197.4	1261.1	1308.9	1315.1
155°	1052.2	1065.3	1078.3	1081.5	1109.6	1146.9	1165.5	1190.9	1241.6	1279.6	1283.8
157.5°	1079.1	1091.8	1104.5	1107.7	1126.9	1152.7	1165.5	1185.2	1224.7	1254.2	1257.1
160°	1097.4	1107.3	1117.1	1119.6	1134.9	1155.3	1165.5	1182.4	1216.2	1241.6	1243.3
162.5°	1115.6	1123.0	1130.3	1132.2	1143.3	1158.1	1165.5	1179.8	1208.3	1229.7	1231.3
165°	1135.5	1142.1	1148.8	1150.5	1155.5	1162.2	1165.5	1175.8	1196.1	1211.5	1213.2
167.5°	1153.6	1156.8	1160.0	1160.8	1165.0	1170.6	1173.5	1180.1	1193.5	1203.5	1204.2
170°	1165.5	1168.7	1171.9	1172.7	1172.9	1173.3	1173.5	1180.1	1193.5	1203.5	1203.5
172.5°	1171.8	1172.5	1173.3	1173.5	1173.5	1173.5	1173.5	1178.7	1189.3	1197.2	1196.6
175°	1180.6	1180.6	1180.6	1180.6	1178.2	1175.1	1173.5	1176.8	1183.5	1188.5	1188.5
177.5°	1180.6	1180.6	1180.6	1180.6	1178.7	1176.3	1175.1	1177.7	1183.0	1186.9	1186.2
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3660.8	3650.6	3660.8	3654.0	3657.4	3647.2	3616.8	3606.7	3616.8	3627.0	3627.0
5°	3704.7	3697.9	3704.7	3704.7	3701.3	3694.5	3660.8	3654.0	3660.8	3664.1	3657.4
7.5°	3718.1	3708.1	3718.1	3711.4	3711.4	3704.7	3670.9	3664.1	3667.5	3677.7	3667.5
10°	3718.1	3708.1	3718.1	3714.8	3711.4	3704.7	3670.9	3657.4	3657.4	3667.5	3657.4
12.5°	3701.3	3694.5	3701.3	3694.5	3694.5	3687.8	3654.0	3640.5	3643.8	3647.2	3633.8
15°	3674.2	3664.1	3674.2	3667.5	3670.9	3660.8	3623.6	3610.1	3610.1	3616.8	3593.2
17.5°	3633.8	3620.2	3633.8	3630.4	3627.0	3620.2	3586.5	3572.9	3569.5	3572.9	3556.1
20°	3586.5	3576.4	3586.5	3583.1	3583.1	3569.5	3535.8	3518.9	3518.9	3518.9	3502.1
22.5°	3512.2	3502.1	3512.2	3518.9	3518.9	3515.5	3485.1	3461.5	3454.8	3454.8	3434.5
25°	3427.8	3417.6	3427.8	3427.8	3424.4	3427.8	3417.6	3404.1	3393.9	3383.8	3363.6
27.5°	3346.7	3339.9	3346.7	3339.9	3346.7	3336.5	3333.2	3329.8	3316.3	3306.2	3279.2
30°	3265.6	3258.9	3265.6	3258.9	3252.2	3245.4	3228.5	3221.8	3235.2	3228.5	3184.6
32.5°	3164.3	3157.6	3164.3	3164.3	3157.6	3157.6	3130.6	3120.4	3123.8	3144.1	3103.5
35°	3059.6	3049.5	3059.6	3056.3	3059.6	3049.5	3032.6	3029.2	3015.7	3039.3	3009.0
37.5°	2938.0	2927.9	2938.0	2938.0	2938.0	2944.9	2931.3	2921.2	2900.9	2931.3	2907.7
40°	2813.1	2799.6	2813.1	2809.7	2813.1	2819.9	2813.1	2806.3	2786.1	2809.7	2789.4
42.5°	2671.3	2667.9	2671.3	2674.7	2674.7	2688.1	2698.3	2684.7	2678.0	2661.1	2674.7
45°	2519.3	2512.5	2519.3	2526.1	2529.4	2536.1	2566.6	2566.6	2556.4	2529.4	2549.7
47.5°	2357.2	2340.4	2357.2	2377.5	2377.5	2387.6	2418.0	2441.7	2424.7	2391.0	2401.1
50°	2185.0	2188.4	2185.0	2198.5	2198.5	2235.6	2259.2	2282.9	2299.8	2259.2	2212.0
52.5°	2016.1	2012.8	2016.1	2026.2	2039.8	2056.6	2097.2	2120.8	2147.8	2124.2	2049.9
55°	1847.2	1854.0	1847.2	1850.6	1857.4	1867.5	1928.3	1951.9	2002.6	1972.2	1894.5
57.5°	1678.4	1668.3	1678.4	1685.2	1688.6	1698.6	1749.3	1793.2	1823.6	1827.0	1732.5
60°	1482.6	1469.0	1482.6	1512.9	1519.7	1526.4	1573.7	1614.3	1641.3	1651.4	1553.5
62.5°	1310.3	1286.7	1310.3	1330.6	1344.1	1361.0	1394.7	1455.6	1479.2	1482.6	1344.1
65°	1128.0	1117.8	1128.0	1168.4	1171.8	1192.1	1229.3	1273.1	1323.8	1317.0	1117.8
67.5°	962.5	962.5	962.5	989.5	1009.7	1019.8	1067.1	1087.4	1151.6	1158.4	932.1
70°	810.5	807.1	810.5	830.8	844.2	867.9	911.8	935.4	986.1	1003.0	756.5
72.5°	665.3	661.9	665.3	682.2	695.7	715.9	753.1	780.1	824.0	844.2	587.6
75°	536.9	530.2	536.9	550.5	547.1	574.1	604.5	631.5	672.1	685.5	435.6
77.5°	412.0	412.0	412.0	425.5	425.5	452.5	466.0	499.8	523.5	543.7	320.9
80°	307.3	303.9	307.3	310.7	310.7	324.2	347.9	371.5	391.7	391.7	219.5
82.5°	216.2	209.3	216.2	216.2	216.2	222.9	236.4	243.2	256.6	266.8	138.4
85°	135.0	135.0	135.0	138.4	135.0	141.9	145.2	152.0	152.0	145.2	84.4
87.5°	87.8	84.4	87.8	84.4	84.4	81.0	81.0	81.0	77.7	74.3	47.3
90°	30.1	30.1	30.1	30.1	30.1	40.1	53.5	60.2	51.8	34.8	22.2
92.5°	120.6	96.7	120.6	144.6	150.5	213.4	297.2	339.1	297.7	215.0	152.9
95°	420.4	347.9	420.4	492.9	511.0	671.1	884.5	991.2	837.2	529.0	297.9
97.5°	1007.2	869.2	1007.2	1145.3	1179.8	1280.9	1415.8	1483.2	1226.4	712.6	327.3
100°	1451.2	1286.8	1451.2	1615.6	1656.8	1649.4	1639.5	1634.6	1349.5	779.4	351.8
102.5°	1887.9	1747.1	1887.9	2028.9	2064.1	1935.1	1763.3	1677.4	1388.2	810.0	376.3
105°	2444.8	2369.1	2444.8	2520.6	2539.5	2250.6	1865.3	1672.6	1392.7	832.7	412.8
107.5°	2809.6	2827.9	2809.6	2791.2	2786.6	2383.6	1846.3	1577.6	1330.7	837.0	466.7
110°	2948.6	3027.5	2948.6	2869.7	2850.0	2399.5	1798.7	1498.3	1275.8	830.6	496.8





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2961.0	3082.2	2961.0	2839.9	2809.6	2348.5	1733.6	1426.2	1227.8	831.0	533.3
115°	2882.5	3050.5	2882.5	2714.6	2672.6	2228.3	1636.0	1339.9	1172.8	838.5	587.9
117.5°	2716.0	2902.3	2716.0	2529.8	2483.2	2082.2	1547.7	1280.4	1138.3	854.1	641.0
120°	2581.9	2762.9	2581.9	2400.9	2355.6	1989.2	1500.8	1256.6	1126.7	866.8	671.9
122.5°	2451.2	2629.8	2451.2	2272.7	2228.1	1898.2	1458.3	1238.4	1120.6	885.1	708.4
125°	2264.9	2429.3	2264.9	2100.4	2059.3	1779.1	1405.5	1218.6	1115.6	909.6	755.1
127.5°	2097.3	2236.0	2097.3	1958.5	1923.8	1683.2	1362.4	1202.0	1112.7	934.2	800.3
130°	1998.5	2126.7	1998.5	1870.2	1838.2	1624.0	1338.4	1195.6	1114.4	952.1	830.4
132.5°	1908.8	2023.7	1908.8	1794.1	1765.3	1573.6	1317.9	1190.1	1115.6	966.6	854.9
135°	1786.0	1885.0	1786.0	1687.0	1662.3	1501.7	1287.6	1180.6	1114.6	982.5	883.4
137.5°	1687.5	1768.5	1687.5	1606.5	1586.3	1450.5	1269.5	1179.0	1121.4	1006.3	919.9
140°	1619.9	1695.6	1619.9	1544.2	1525.3	1408.0	1251.7	1173.5	1122.6	1020.8	944.4
142.5°	1563.9	1629.0	1563.9	1498.8	1482.5	1379.5	1242.1	1173.5	1126.6	1033.0	962.7
145°	1479.9	1529.2	1479.9	1430.7	1418.3	1334.1	1221.7	1165.5	1126.6	1048.8	990.4
147.5°	1415.4	1456.3	1415.4	1374.6	1364.4	1298.1	1209.8	1165.5	1134.4	1072.1	1025.3
150°	1374.9	1408.0	1374.9	1341.7	1333.5	1277.5	1202.9	1165.5	1138.4	1084.2	1043.5
152.5°	1340.2	1365.2	1340.2	1315.1	1308.9	1261.1	1197.4	1165.5	1141.1	1092.1	1055.4
155°	1300.3	1316.9	1300.3	1283.8	1279.6	1241.6	1190.9	1165.5	1146.9	1109.6	1081.5
157.5°	1268.8	1280.4	1268.8	1257.1	1254.2	1224.7	1185.2	1165.5	1152.7	1126.9	1107.7
160°	1250.0	1256.6	1250.0	1243.3	1241.6	1216.2	1182.4	1165.5	1155.3	1134.9	1119.6
162.5°	1237.6	1244.0	1237.6	1231.3	1229.7	1208.3	1179.8	1165.5	1158.1	1143.3	1132.2
165°	1219.8	1226.5	1219.8	1213.2	1211.5	1196.1	1175.8	1165.5	1162.2	1155.5	1150.5
167.5°	1207.1	1209.9	1207.1	1204.2	1203.5	1193.5	1180.1	1173.5	1170.6	1165.0	1160.8
170°	1203.5	1203.5	1203.5	1203.5	1203.5	1193.5	1180.1	1173.5	1173.3	1172.9	1172.7
172.5°	1194.2	1191.7	1194.2	1196.6	1197.2	1189.3	1178.7	1173.5	1173.5	1173.5	1173.5
175°	1188.5	1188.5	1188.5	1188.5	1188.5	1183.5	1176.8	1173.5	1175.1	1178.2	1180.6
177.5°	1183.4	1180.6	1183.4	1186.2	1186.9	1183.0	1177.7	1175.1	1176.3	1178.7	1180.6
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3620.2	3600.0	3600.0	3566.2	3552.7	3542.5	3525.7	3475.1	3461.5	3448.0	3468.2
5°	3650.6	3613.5	3586.5	3525.7	3475.1	3454.8	3390.6	3269.0	3187.9	3127.2	3093.4
7.5°	3657.4	3610.1	3559.4	3464.9	3343.3	3289.3	3093.4	2870.6	2809.7	2755.7	2721.9
10°	3650.6	3596.6	3525.7	3383.8	3096.8	3002.2	2806.3	2661.1	2624.0	2613.9	2624.0
12.5°	3627.0	3576.4	3478.4	3242.0	2840.1	2776.0	2661.1	2576.7	2570.0	2586.8	2678.0
15°	3586.5	3539.2	3424.4	3052.9	2698.3	2651.0	2570.0	2539.6	2576.7	2694.9	2968.5
17.5°	3545.9	3491.9	3350.1	2867.2	2590.3	2556.4	2499.0	2559.8	2769.2	2927.9	3019.1
20°	3491.9	3427.8	3265.6	2732.0	2512.5	2482.1	2455.1	2728.7	2887.4	2944.9	2995.5
22.5°	3427.8	3360.2	3150.8	2637.5	2431.5	2407.8	2424.7	2823.3	2887.4	2927.9	2971.9
25°	3343.3	3285.9	3015.7	2563.2	2367.4	2340.4	2404.5	2813.1	2850.3	2860.4	2948.2
27.5°	3265.6	3191.3	2873.9	2495.7	2289.7	2279.5	2421.4	2769.2	2796.3	2806.3	2900.9
30°	3171.1	3059.6	2715.2	2424.7	2208.6	2205.2	2424.7	2715.2	2708.4	2735.4	2830.0
32.5°	3073.2	2863.7	2536.1	2337.0	2130.9	2127.5	2401.1	2634.1	2627.4	2664.5	2735.4
35°	2982.0	2711.8	2293.1	2235.6	2033.0	2036.4	2343.7	2539.6	2543.0	2576.7	2620.6
37.5°	2887.4	2580.1	2026.2	2124.2	1938.5	1938.5	2266.0	2451.8	2445.0	2455.1	2516.0
40°	2776.0	2374.1	1789.9	1978.9	1850.6	1840.5	2171.5	2357.2	2333.5	2330.2	2414.7
42.5°	2657.7	2147.8	1614.3	1786.5	1749.3	1735.8	2056.6	2242.4	2198.5	2208.6	2316.7
45°	2529.4	2087.1	1479.2	1509.6	1644.6	1634.5	1931.7	2110.7	2080.2	2107.3	2218.8
47.5°	2401.1	1965.5	1435.3	1252.9	1533.2	1529.9	1793.2	1982.3	1965.5	1992.5	2110.7
50°	2225.5	1830.4	1431.9	1073.9	1408.3	1421.7	1627.7	1857.4	1857.4	1881.0	2005.9
52.5°	1999.2	1664.9	1300.2	972.6	1263.0	1303.6	1482.6	1749.3	1756.1	1779.7	1891.2
55°	1793.2	1492.7	1205.6	894.9	1090.8	1178.6	1340.7	1637.9	1651.4	1675.0	1776.3
57.5°	1604.1	1242.7	1185.4	803.8	932.1	1016.5	1215.7	1529.9	1536.6	1556.9	1654.8
60°	1401.5	898.3	1087.4	705.8	793.6	857.8	1101.0	1401.5	1425.1	1438.6	1523.0
62.5°	1171.8	651.8	986.1	638.2	726.1	739.6	1006.4	1279.9	1310.3	1320.4	1371.1
65°	834.1	547.1	837.5	580.9	655.2	658.5	905.1	1155.0	1182.0	1198.8	1236.0
67.5°	563.9	445.8	638.2	526.8	601.1	604.5	807.1	1009.7	1046.9	1060.4	1084.1
70°	391.7	297.2	472.8	469.5	540.3	547.1	702.5	878.1	911.8	921.9	935.4
72.5°	287.0	239.8	391.7	422.2	476.2	482.9	594.4	729.5	763.2	773.4	780.1
75°	219.5	253.3	317.5	368.1	405.2	408.6	486.3	594.4	618.0	624.8	628.1
77.5°	175.6	236.4	233.0	297.2	330.9	324.2	381.6	459.3	479.5	479.5	479.5
80°	131.7	185.7	175.6	212.7	243.2	236.4	273.6	327.6	334.3	341.1	337.7
82.5°	97.9	118.2	118.2	135.0	162.1	155.3	182.3	212.7	212.7	212.7	219.5
85°	60.7	67.6	54.0	70.9	91.2	87.8	101.3	114.8	118.2	118.2	111.4
87.5°	37.1	30.4	16.9	27.0	40.6	40.6	47.3	50.7	47.3	47.3	47.3
90°	20.5	14.2	7.9	14.2	20.5	22.2	34.8	51.8	60.2	53.5	40.1
92.5°	139.5	85.5	31.7	85.5	139.5	152.9	215.0	297.7	339.1	297.2	213.4
95°	273.3	174.7	76.1	174.7	273.3	297.9	529.0	837.2	991.2	884.5	671.1
97.5°	305.5	218.5	131.5	218.5	305.5	327.3	712.6	1226.4	1483.2	1415.8	1280.9
100°	332.1	253.2	174.3	253.2	332.1	351.8	779.4	1349.5	1634.6	1639.5	1649.4
102.5°	357.9	284.4	210.8	284.4	357.9	376.3	810.0	1388.2	1677.4	1763.3	1935.1
105°	397.2	334.9	272.6	334.9	397.2	412.8	832.7	1392.7	1672.6	1865.3	2250.6
107.5°	452.2	394.0	335.9	394.0	452.2	466.7	837.0	1330.7	1577.6	1846.3	2383.6
110°	483.7	431.2	378.7	431.2	483.7	496.8	830.6	1275.8	1498.3	1798.7	2399.5



TEST NUMBER: P934869

CATALOG NUMBER: SQ4-FA-075U-100D-935-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	520.7	470.7	420.7	470.7	520.7	533.3	831.0	1227.8	1426.2	1733.6	2348.5
115°	576.4	530.2	484.1	530.2	576.4	587.9	838.5	1172.8	1339.9	1636.0	2228.3
117.5°	630.5	588.6	546.7	588.6	630.5	641.0	854.1	1138.3	1280.4	1547.7	2082.2
120°	662.0	622.6	583.2	622.6	662.0	671.9	866.8	1126.7	1256.6	1500.8	1989.2
122.5°	698.4	658.6	618.8	658.6	698.4	708.4	885.1	1120.6	1238.4	1458.3	1898.2
125°	746.1	709.8	673.5	709.8	746.1	755.1	909.6	1115.6	1218.6	1405.5	1779.1
127.5°	791.2	754.5	717.9	754.5	791.2	800.3	934.2	1112.7	1202.0	1362.4	1683.2
130°	820.5	781.1	741.7	781.1	820.5	830.4	952.1	1114.4	1195.6	1338.4	1624.0
132.5°	845.0	805.7	766.2	805.7	845.0	854.9	966.6	1115.6	1190.1	1317.9	1573.6
135°	874.5	838.5	802.7	838.5	874.5	883.4	982.5	1114.6	1180.6	1287.6	1501.7
137.5°	911.0	875.4	839.9	875.4	911.0	919.9	1006.3	1121.4	1179.0	1269.5	1450.5
140°	936.3	903.5	870.7	903.5	936.3	944.4	1020.8	1122.6	1173.5	1251.7	1408.0
142.5°	955.1	924.8	894.5	924.8	955.1	962.7	1033.0	1126.6	1173.5	1242.1	1379.5
145°	983.8	957.4	931.0	957.4	983.8	990.4	1048.8	1126.6	1165.5	1221.7	1334.1
147.5°	1018.9	993.2	967.4	993.2	1018.9	1025.3	1072.1	1134.4	1165.5	1209.8	1298.1
150°	1037.7	1014.5	991.2	1014.5	1037.7	1043.5	1084.2	1138.4	1165.5	1202.9	1277.5
152.5°	1050.9	1033.4	1015.8	1033.4	1050.9	1055.4	1092.1	1141.1	1165.5	1197.4	1261.1
155°	1078.3	1065.3	1052.2	1065.3	1078.3	1081.5	1109.6	1146.9	1165.5	1190.9	1241.6
157.5°	1104.5	1091.8	1079.1	1091.8	1104.5	1107.7	1126.9	1152.7	1165.5	1185.2	1224.7
160°	1117.1	1107.3	1097.4	1107.3	1117.1	1119.6	1134.9	1155.3	1165.5	1182.4	1216.2
162.5°	1130.3	1123.0	1115.6	1123.0	1130.3	1132.2	1143.3	1158.1	1165.5	1179.8	1208.3
165°	1148.8	1142.1	1135.5	1142.1	1148.8	1150.5	1155.5	1162.2	1165.5	1175.8	1196.1
167.5°	1160.0	1156.8	1153.6	1156.8	1160.0	1160.8	1165.0	1170.6	1173.5	1180.1	1193.5
170°	1171.9	1168.7	1165.5	1168.7	1171.9	1172.7	1172.9	1173.3	1173.5	1180.1	1193.5
172.5°	1173.3	1172.5	1171.8	1172.5	1173.3	1173.5	1173.5	1173.5	1173.5	1178.7	1189.3
175°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1178.2	1175.1	1173.5	1176.8	1183.5
177.5°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1178.7	1176.3	1175.1	1177.7	1183.0
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



TEST NUMBER: P934869  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3444.6	3434.5	3448.0	3410.8	3448.0	3434.5	3444.6	3468.2	3448.0	3461.5	3475.1
5°	3022.5	3005.6	2951.6	2907.7	2951.6	3005.6	3022.5	3093.4	3127.2	3187.9	3269.0
7.5°	2701.7	2688.1	2674.7	2647.6	2674.7	2688.1	2701.7	2721.9	2755.7	2809.7	2870.6
10°	2630.7	2634.1	2654.4	2651.0	2654.4	2634.1	2630.7	2624.0	2613.9	2624.0	2661.1
12.5°	2813.1	2843.5	2954.9	2948.2	2954.9	2843.5	2813.1	2678.0	2586.8	2570.0	2576.7
15°	3022.5	3032.6	3056.3	3059.6	3056.3	3032.6	3022.5	2968.5	2694.9	2576.7	2539.6
17.5°	3042.7	3046.2	3063.0	3063.0	3063.0	3046.2	3042.7	3019.1	2927.9	2769.2	2559.8
20°	3025.9	3032.6	3066.3	3073.2	3066.3	3032.6	3025.9	2995.5	2944.9	2887.4	2728.7
22.5°	3019.1	3032.6	3059.6	3056.3	3059.6	3032.6	3019.1	2971.9	2927.9	2887.4	2823.3
25°	2985.3	2985.3	2988.7	2992.1	2988.7	2985.3	2985.3	2948.2	2860.4	2850.3	2813.1
27.5°	2914.4	2921.2	2941.4	2938.0	2941.4	2921.2	2914.4	2900.9	2806.3	2796.3	2769.2
30°	2850.3	2843.5	2826.6	2813.1	2826.6	2843.5	2850.3	2830.0	2735.4	2708.4	2715.2
32.5°	2742.2	2725.3	2708.4	2698.3	2708.4	2725.3	2742.2	2735.4	2664.5	2627.4	2634.1
35°	2613.9	2617.3	2613.9	2603.7	2613.9	2617.3	2613.9	2620.6	2576.7	2543.0	2539.6
37.5°	2522.7	2529.4	2526.1	2512.5	2526.1	2529.4	2522.7	2516.0	2455.1	2445.0	2451.8
40°	2428.1	2431.5	2428.1	2418.0	2428.1	2431.5	2428.1	2414.7	2330.2	2333.5	2357.2
42.5°	2337.0	2333.5	2323.4	2316.7	2323.4	2333.5	2337.0	2316.7	2208.6	2198.5	2242.4
45°	2232.2	2235.6	2215.4	2205.2	2215.4	2235.6	2232.2	2218.8	2107.3	2080.2	2110.7
47.5°	2127.5	2127.5	2110.7	2100.5	2110.7	2127.5	2127.5	2110.7	1992.5	1965.5	1982.3
50°	2016.1	2012.8	1989.1	1985.8	1989.1	2012.8	2016.1	2005.9	1881.0	1857.4	1857.4
52.5°	1887.8	1887.8	1891.2	1897.9	1891.2	1887.8	1887.8	1891.2	1779.7	1756.1	1749.3
55°	1776.3	1779.7	1803.3	1810.1	1803.3	1779.7	1776.3	1776.3	1675.0	1651.4	1637.9
57.5°	1661.5	1661.5	1678.4	1678.4	1678.4	1661.5	1661.5	1654.8	1556.9	1536.6	1529.9
60°	1529.9	1536.6	1550.0	1546.7	1550.0	1536.6	1529.9	1523.0	1438.6	1425.1	1401.5
62.5°	1391.3	1398.1	1401.5	1394.7	1401.5	1398.1	1391.3	1371.1	1320.4	1310.3	1279.9
65°	1246.1	1252.9	1256.3	1249.5	1256.3	1252.9	1246.1	1236.0	1198.8	1182.0	1155.0
67.5°	1097.5	1094.1	1090.8	1104.3	1090.8	1094.1	1097.5	1084.1	1060.4	1046.9	1009.7
70°	945.5	945.5	942.2	949.0	942.2	945.5	945.5	935.4	921.9	911.8	878.1
72.5°	783.5	780.1	793.6	783.5	793.6	780.1	783.5	780.1	773.4	763.2	729.5
75°	624.8	631.5	624.8	634.9	624.8	631.5	624.8	628.1	624.8	618.0	594.4
77.5°	476.2	482.9	476.2	476.2	476.2	482.9	476.2	479.5	479.5	479.5	459.3
80°	337.7	334.3	334.3	330.9	334.3	334.3	337.7	337.7	341.1	334.3	327.6
82.5°	216.2	212.7	212.7	219.5	212.7	212.7	216.2	219.5	212.7	212.7	212.7
85°	118.2	121.6	114.8	114.8	114.8	121.6	118.2	111.4	118.2	118.2	114.8
87.5°	43.9	40.6	40.6	40.6	40.6	40.6	43.9	47.3	47.3	47.3	50.7
90°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	40.1	53.5	60.2	51.8
92.5°	150.5	144.6	120.6	96.7	120.6	144.6	150.5	213.4	297.2	339.1	297.7
95°	511.0	492.9	420.4	347.9	420.4	492.9	511.0	671.1	884.5	991.2	837.2
97.5°	1179.8	1145.3	1007.2	869.2	1007.2	1145.3	1179.8	1280.9	1415.8	1483.2	1226.4
100°	1656.8	1615.6	1451.2	1286.8	1451.2	1615.6	1656.8	1649.4	1639.5	1634.6	1349.5
102.5°	2064.1	2028.9	1887.9	1747.1	1887.9	2028.9	2064.1	1935.1	1763.3	1677.4	1388.2
105°	2539.5	2520.6	2444.8	2369.1	2444.8	2520.6	2539.5	2250.6	1865.3	1672.6	1392.7
107.5°	2786.6	2791.2	2809.6	2827.9	2809.6	2791.2	2786.6	2383.6	1846.3	1577.6	1330.7
110°	2850.0	2869.7	2948.6	3027.5	2948.6	2869.7	2850.0	2399.5	1798.7	1498.3	1275.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2809.6	2839.9	2961.0	3082.2	2961.0	2839.9	2809.6	2348.5	1733.6	1426.2	1227.8
115°	2672.6	2714.6	2882.5	3050.5	2882.5	2714.6	2672.6	2228.3	1636.0	1339.9	1172.8
117.5°	2483.2	2529.8	2716.0	2902.3	2716.0	2529.8	2483.2	2082.2	1547.7	1280.4	1138.3
120°	2355.6	2400.9	2581.9	2762.9	2581.9	2400.9	2355.6	1989.2	1500.8	1256.6	1126.7
122.5°	2228.1	2272.7	2451.2	2629.8	2451.2	2272.7	2228.1	1898.2	1458.3	1238.4	1120.6
125°	2059.3	2100.4	2264.9	2429.3	2264.9	2100.4	2059.3	1779.1	1405.5	1218.6	1115.6
127.5°	1923.8	1958.5	2097.3	2236.0	2097.3	1958.5	1923.8	1683.2	1362.4	1202.0	1112.7
130°	1838.2	1870.2	1998.5	2126.7	1998.5	1870.2	1838.2	1624.0	1338.4	1195.6	1114.4
132.5°	1765.3	1794.1	1908.8	2023.7	1908.8	1794.1	1765.3	1573.6	1317.9	1190.1	1115.6
135°	1662.3	1687.0	1786.0	1885.0	1786.0	1687.0	1662.3	1501.7	1287.6	1180.6	1114.6
137.5°	1586.3	1606.5	1687.5	1768.5	1687.5	1606.5	1586.3	1450.5	1269.5	1179.0	1121.4
140°	1525.3	1544.2	1619.9	1695.6	1619.9	1544.2	1525.3	1408.0	1251.7	1173.5	1122.6
142.5°	1482.5	1498.8	1563.9	1629.0	1563.9	1498.8	1482.5	1379.5	1242.1	1173.5	1126.6
145°	1418.3	1430.7	1479.9	1529.2	1479.9	1430.7	1418.3	1334.1	1221.7	1165.5	1126.6
147.5°	1364.4	1374.6	1415.4	1456.3	1415.4	1374.6	1364.4	1298.1	1209.8	1165.5	1134.4
150°	1333.5	1341.7	1374.9	1408.0	1374.9	1341.7	1333.5	1277.5	1202.9	1165.5	1138.4
152.5°	1308.9	1315.1	1340.2	1365.2	1340.2	1315.1	1308.9	1261.1	1197.4	1165.5	1141.1
155°	1279.6	1283.8	1300.3	1316.9	1300.3	1283.8	1279.6	1241.6	1190.9	1165.5	1146.9
157.5°	1254.2	1257.1	1268.8	1280.4	1268.8	1257.1	1254.2	1224.7	1185.2	1165.5	1152.7
160°	1241.6	1243.3	1250.0	1256.6	1250.0	1243.3	1241.6	1216.2	1182.4	1165.5	1155.3
162.5°	1229.7	1231.3	1237.6	1244.0	1237.6	1231.3	1229.7	1208.3	1179.8	1165.5	1158.1
165°	1211.5	1213.2	1219.8	1226.5	1219.8	1213.2	1211.5	1196.1	1175.8	1165.5	1162.2
167.5°	1203.5	1204.2	1207.1	1209.9	1207.1	1204.2	1203.5	1193.5	1180.1	1173.5	1170.6
170°	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1193.5	1180.1	1173.5	1173.3
172.5°	1197.2	1196.6	1194.2	1191.7	1194.2	1196.6	1197.2	1189.3	1178.7	1173.5	1173.5
175°	1188.5	1188.5	1188.5	1188.5	1188.5	1188.5	1188.5	1183.5	1176.8	1173.5	1175.1
177.5°	1186.9	1186.2	1183.4	1180.6	1183.4	1186.2	1186.9	1183.0	1177.7	1175.1	1176.3
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3525.7	3542.5	3552.7	3566.2	3600.0
5°	3390.6	3454.8	3475.1	3525.7	3586.5
7.5°	3093.4	3289.3	3343.3	3464.9	3559.4
10°	2806.3	3002.2	3096.8	3383.8	3525.7
12.5°	2661.1	2776.0	2840.1	3242.0	3478.4
15°	2570.0	2651.0	2698.3	3052.9	3424.4
17.5°	2499.0	2556.4	2590.3	2867.2	3350.1
20°	2455.1	2482.1	2512.5	2732.0	3265.6
22.5°	2424.7	2407.8	2431.5	2637.5	3150.8
25°	2404.5	2340.4	2367.4	2563.2	3015.7
27.5°	2421.4	2279.5	2289.7	2495.7	2873.9
30°	2424.7	2205.2	2208.6	2424.7	2715.2
32.5°	2401.1	2127.5	2130.9	2337.0	2536.1
35°	2343.7	2036.4	2033.0	2235.6	2293.1
37.5°	2266.0	1938.5	1938.5	2124.2	2026.2
40°	2171.5	1840.5	1850.6	1978.9	1789.9
42.5°	2056.6	1735.8	1749.3	1786.5	1614.3
45°	1931.7	1634.5	1644.6	1509.6	1479.2
47.5°	1793.2	1529.9	1533.2	1252.9	1435.3
50°	1627.7	1421.7	1408.3	1073.9	1431.9
52.5°	1482.6	1303.6	1263.0	972.6	1300.2
55°	1340.7	1178.6	1090.8	894.9	1205.6
57.5°	1215.7	1016.5	932.1	803.8	1185.4
60°	1101.0	857.8	793.6	705.8	1087.4
62.5°	1006.4	739.6	726.1	638.2	986.1
65°	905.1	658.5	655.2	580.9	837.5
67.5°	807.1	604.5	601.1	526.8	638.2
70°	702.5	547.1	540.3	469.5	472.8
72.5°	594.4	482.9	476.2	422.2	391.7
75°	486.3	408.6	405.2	368.1	317.5
77.5°	381.6	324.2	330.9	297.2	233.0
80°	273.6	236.4	243.2	212.7	175.6
82.5°	182.3	155.3	162.1	135.0	118.2
85°	101.3	87.8	91.2	70.9	54.0
87.5°	47.3	40.6	40.6	27.0	16.9
90°	34.8	22.2	20.5	14.2	7.9
92.5°	215.0	152.9	139.5	85.5	31.7
95°	529.0	297.9	273.3	174.7	76.1
97.5°	712.6	327.3	305.5	218.5	131.5
100°	779.4	351.8	332.1	253.2	174.3
102.5°	810.0	376.3	357.9	284.4	210.8
105°	832.7	412.8	397.2	334.9	272.6
107.5°	837.0	466.7	452.2	394.0	335.9
110°	830.6	496.8	483.7	431.2	378.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	831.0	533.3	520.7	470.7	420.7
115°	838.5	587.9	576.4	530.2	484.1
117.5°	854.1	641.0	630.5	588.6	546.7
120°	866.8	671.9	662.0	622.6	583.2
122.5°	885.1	708.4	698.4	658.6	618.8
125°	909.6	755.1	746.1	709.8	673.5
127.5°	934.2	800.3	791.2	754.5	717.9
130°	952.1	830.4	820.5	781.1	741.7
132.5°	966.6	854.9	845.0	805.7	766.2
135°	982.5	883.4	874.5	838.5	802.7
137.5°	1006.3	919.9	911.0	875.4	839.9
140°	1020.8	944.4	936.3	903.5	870.7
142.5°	1033.0	962.7	955.1	924.8	894.5
145°	1048.8	990.4	983.8	957.4	931.0
147.5°	1072.1	1025.3	1018.9	993.2	967.4
150°	1084.2	1043.5	1037.7	1014.5	991.2
152.5°	1092.1	1055.4	1050.9	1033.4	1015.8
155°	1109.6	1081.5	1078.3	1065.3	1052.2
157.5°	1126.9	1107.7	1104.5	1091.8	1079.1
160°	1134.9	1119.6	1117.1	1107.3	1097.4
162.5°	1143.3	1132.2	1130.3	1123.0	1115.6
165°	1155.5	1150.5	1148.8	1142.1	1135.5
167.5°	1165.0	1160.8	1160.0	1156.8	1153.6
170°	1172.9	1172.7	1171.9	1168.7	1165.5
172.5°	1173.5	1173.5	1173.3	1172.5	1171.8
175°	1178.2	1180.6	1180.6	1180.6	1180.6
177.5°	1178.7	1180.6	1180.6	1180.6	1180.6
180°	1180.6	1180.6	1180.6	1180.6	1180.6



TEST NUMBER: P934869  
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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	13.58	14.49	14.50	15.42	16.63	16.44	17.34	17.35	18.28	19.48
	3H	14.06	14.88	14.99	15.82	17.05	17.79	18.60	18.72	19.55	20.77
	4H	14.26	15.03	15.20	15.97	17.21	18.24	19.01	19.18	19.96	21.19
	6H	14.38	15.09	15.33	16.04	17.29	18.53	19.24	19.49	20.20	21.44
	8H	14.38	15.05	15.34	16.03	17.27	18.61	19.29	19.57	20.26	21.50
	12H	14.35	14.99	15.32	15.96	17.23	18.66	19.30	19.62	20.26	21.53
4H	2H	14.63	15.39	15.57	16.34	17.58	16.85	17.62	17.80	18.56	19.80
	3H	15.66	16.30	16.62	17.28	18.53	18.37	19.01	19.32	19.98	21.23
	4H	15.94	16.52	16.90	17.49	18.77	18.90	19.48	19.87	20.46	21.73
	6H	16.06	16.57	17.04	17.56	18.84	19.27	19.78	20.25	20.77	22.04
	8H	16.07	16.54	17.05	17.53	18.82	19.38	19.85	20.37	20.84	22.13
	12H	16.04	16.46	17.04	17.47	18.76	19.45	19.87	20.45	20.88	22.17
8H	4H	16.40	16.87	17.38	17.86	19.14	19.03	19.50	20.01	20.49	21.77
	6H	16.66	17.05	17.67	18.08	19.37	19.47	19.86	20.48	20.89	22.18
	8H	16.70	17.05	17.72	18.06	19.37	19.63	19.97	20.64	20.99	22.29
	12H	16.69	16.99	17.71	18.00	19.35	19.73	20.03	20.75	21.05	22.39
12H	4H	16.41	16.83	17.41	17.84	19.13	18.99	19.42	19.99	20.42	21.72
	6H	16.72	17.07	17.74	18.08	19.39	19.47	19.81	20.48	20.83	22.13
	8H	16.79	17.09	17.81	18.11	19.45	19.64	19.94	20.65	20.95	22.30