

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: P934905

Luminaire Tested: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

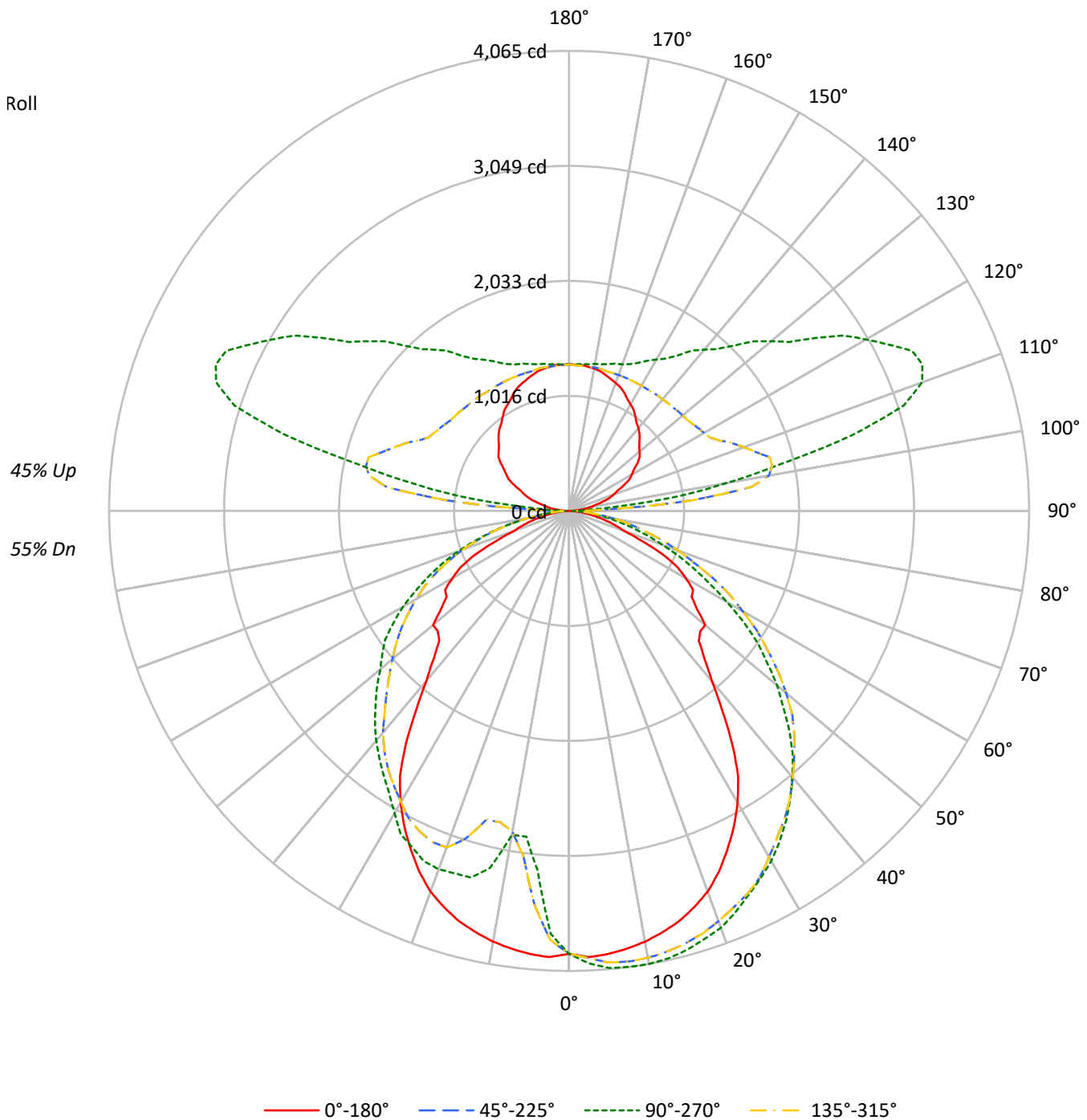
Test Method: LM-79-2019  
Report Number: P934905  
REPORT IS A COMBINATION OF REPORTS P933713 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18540.8 lumens  
Efficiency: N/A  
Efficacy: 120.7 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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CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-12

### 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	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	22	18	16	14

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

	0°	90°	180°	270°
0°	12104	12104	12104	12104
5°	12199	12218	12199	9607
10°	12121	12036	12121	8604
15°	11994	11775	11994	9832
20°	11748	11466	11748	9852
25°	11239	11015	11239	9643
30°	10580	10641	10580	9186
35°	9437	10168	9437	8682
40°	7867	9611	7867	8301
45°	7034	8959	7034	7863
50°	7479	8182	7479	7424
55°	7043	7344	7043	7170
60°	7270	6237	7270	6567
65°	6601	5156	6601	5763
70°	4582	4109	4582	4831
75°	4033	3037	4033	3637
80°	3274	2008	3274	2186
85°	1918	1063	1918	904

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10774 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	353.2	1.9
10°-20°	1002.9	5.4
20°-30°	1550.3	8.4
30°-40°	1850.7	10.0
40°-50°	1861.6	10.0
50°-60°	1619.8	8.7
60°-70°	1148.5	6.2
70°-80°	607.6	3.3
80°-90°	156.3	0.8
90°-100°	630.9	3.4
100°-110°	1658.6	8.9
110°-120°	1719.8	9.3
120°-130°	1379.5	7.4
130°-140°	1082.4	5.8
140°-150°	830.8	4.5
150°-160°	598.3	3.2
160°-170°	366.1	2.0
170°-180°	123.7	0.7
0°-30°	2906.5	15.7
0°-40°	4757.2	25.7
0°-60°	8238.6	44.4
0°-90°	10151.0	54.7
90°-120°	4009.2	21.6
90°-150°	7301.8	39.4
90°-180°	8390.0	45.3
0°-180°	18540.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3913	3913	3913	3913	3913	
5°	3932	4054	3932	3188	3932	373
15°	3754	4017	3754	3354	3754	1056
25°	3306	3747	3306	3280	3306	1518
35°	2514	3343	2514	2854	2514	1555
45°	1622	2754	1622	2418	1622	1299
55°	1322	2032	1322	1984	1322	1214
65°	918	1225	918	1370	918	877
75°	348	581	348	696	348	366
85°	59	148	59	126	59	80
90°	9	33	9	33	9	10
95°	83	381	83	381	83	93
105°	299	2597	299	2597	299	317
115°	531	3344	531	3344	531	524
125°	738	2663	738	2663	738	656
135°	880	2066	880	2066	880	681
145°	1021	1676	1021	1676	1021	639
155°	1154	1444	1154	1444	1154	530
165°	1245	1345	1245	1345	1245	351
175°	1294	1303	1294	1303	1294	123
180°	1294	1294	1294	1294	1294	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3946.4	3946.4	3968.7	3976.0	3976.0	3964.9	3953.8	3964.9	3998.3	4009.4	4005.6
5°	3931.7	3961.3	4002.0	4009.4	4016.8	4013.1	4005.6	4013.1	4050.1	4057.5	4061.2
7.5°	3902.0	3957.5	4009.4	4020.5	4031.6	4020.5	4016.8	4024.2	4061.2	4068.6	4068.6
10°	3865.0	3942.8	4002.0	4009.4	4020.5	4009.4	4009.4	4024.2	4061.2	4068.6	4072.3
12.5°	3813.1	3920.6	3976.0	3983.5	3998.3	3994.5	3990.9	4005.6	4042.7	4050.1	4050.1
15°	3753.9	3879.8	3931.7	3939.1	3964.9	3957.5	3957.5	3972.4	4013.1	4024.2	4020.5
17.5°	3672.5	3828.0	3887.2	3898.3	3916.8	3913.1	3916.8	3931.7	3968.7	3976.0	3979.8
20°	3579.9	3757.7	3828.0	3839.1	3857.6	3857.6	3857.6	3876.1	3913.1	3927.9	3927.9
22.5°	3454.0	3683.6	3757.7	3765.0	3787.3	3787.3	3794.7	3820.5	3853.9	3857.6	3857.6
25°	3306.0	3602.2	3665.1	3687.3	3709.5	3720.6	3731.7	3746.6	3757.7	3753.9	3757.7
27.5°	3150.5	3498.5	3579.9	3594.8	3624.4	3635.5	3650.3	3654.0	3657.6	3668.8	3661.4
30°	2976.5	3354.1	3476.3	3491.1	3539.2	3546.6	3531.8	3539.2	3557.7	3565.2	3572.6
32.5°	2780.2	3139.4	3368.9	3402.2	3446.6	3424.4	3420.8	3431.9	3461.5	3461.5	3468.9
35°	2513.8	2972.8	3269.0	3298.6	3331.9	3306.0	3320.7	3324.5	3343.0	3354.1	3350.4
37.5°	2221.2	2828.4	3165.3	3187.6	3213.4	3180.1	3202.3	3213.4	3228.3	3220.8	3220.8
40°	1962.1	2602.6	3043.2	3057.9	3080.1	3054.3	3076.4	3083.9	3091.3	3083.9	3080.1
42.5°	1769.6	2354.5	2913.5	2932.1	2917.3	2935.7	2943.1	2958.0	2946.9	2932.1	2932.1
45°	1621.5	2287.9	2772.9	2795.1	2772.9	2802.5	2813.6	2813.6	2780.2	2772.9	2769.2
47.5°	1573.4	2154.6	2632.2	2632.2	2621.1	2658.1	2676.7	2650.7	2617.3	2606.3	2606.3
50°	1569.7	2006.5	2439.7	2424.9	2476.7	2521.1	2502.7	2476.7	2450.8	2410.1	2410.1
52.5°	1425.3	1825.1	2191.6	2247.2	2328.6	2354.5	2324.9	2299.0	2254.6	2236.1	2221.2
55°	1321.6	1636.4	1965.8	2076.8	2162.0	2195.4	2139.8	2113.9	2047.2	2036.1	2028.7
57.5°	1299.5	1362.3	1758.5	1899.2	2002.9	1999.1	1965.8	1917.7	1862.1	1851.1	1847.4
60°	1192.1	984.7	1536.3	1703.0	1810.4	1799.3	1769.6	1725.2	1673.4	1666.0	1658.5
62.5°	1081.0	714.5	1284.6	1473.5	1625.3	1621.5	1595.6	1529.0	1492.0	1473.5	1458.6
65°	918.1	599.7	914.4	1225.4	1443.8	1451.2	1395.7	1347.6	1306.9	1284.6	1280.9
67.5°	699.7	488.7	618.2	1021.8	1269.9	1262.4	1192.1	1169.8	1118.0	1106.9	1084.7
70°	518.3	325.8	429.5	829.3	1099.5	1081.0	1025.4	999.6	951.5	925.5	910.7
72.5°	429.5	262.8	314.7	644.2	925.5	903.3	855.2	825.6	784.8	762.6	747.9
75°	348.0	277.7	240.6	477.6	751.5	736.7	692.3	662.7	629.3	599.7	603.5
77.5°	255.4	259.2	192.5	351.7	596.1	573.8	547.9	510.9	496.0	466.4	466.4
80°	192.5	203.6	144.4	240.6	429.5	429.5	407.2	381.4	355.4	340.6	340.6
82.5°	129.5	129.5	107.3	151.8	292.4	281.3	266.6	259.2	244.3	237.0	237.0
85°	59.2	74.1	66.6	92.6	159.2	166.6	166.6	159.2	155.5	148.0	151.8
87.5°	18.5	33.3	40.7	51.8	81.4	85.2	88.8	88.8	88.8	92.6	92.6
90°	8.7	15.6	22.5	24.3	38.2	56.8	66.0	58.7	44.0	33.0	33.0
92.5°	34.7	93.8	152.9	167.7	235.6	326.3	371.7	325.8	234.0	165.0	158.5
95°	83.4	191.5	299.6	326.6	579.9	917.7	1086.6	969.7	735.7	560.2	540.3
97.5°	144.2	239.6	334.9	358.7	781.2	1344.4	1626.0	1552.0	1404.2	1293.3	1255.5
100°	191.1	277.6	364.1	385.6	854.4	1479.4	1791.9	1797.3	1808.1	1816.3	1771.1
102.5°	231.1	311.8	392.4	412.5	888.0	1521.9	1838.9	1933.0	2121.4	2262.7	2224.1
105°	298.8	367.2	435.4	452.5	912.9	1526.7	1833.6	2044.8	2467.2	2783.9	2763.1
107.5°	368.3	432.0	495.7	511.6	917.6	1458.8	1729.4	2024.0	2613.1	3054.8	3059.9
110°	415.2	472.7	530.2	544.6	910.6	1398.6	1642.5	1971.9	2630.4	3124.3	3145.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	461.2	516.0	570.9	584.6	910.9	1346.0	1563.5	1900.5	2574.6	3080.1	3113.2
115°	530.7	581.2	631.9	644.5	919.2	1285.7	1468.8	1793.5	2442.8	2929.8	2975.8
117.5°	599.3	645.3	691.2	702.6	936.3	1247.8	1403.6	1696.6	2282.6	2722.1	2773.2
120°	639.3	682.6	725.7	736.6	950.3	1235.1	1377.6	1645.2	2180.7	2582.3	2631.9
122.5°	678.4	722.0	765.6	776.5	970.2	1228.5	1357.6	1598.6	2080.9	2442.5	2491.4
125°	738.3	778.1	817.9	827.8	997.1	1223.0	1335.9	1540.7	1950.3	2257.5	2302.6
127.5°	787.0	827.2	867.3	877.3	1024.1	1219.8	1317.7	1493.6	1845.2	2109.0	2147.0
130°	813.0	856.3	899.4	910.3	1043.7	1221.7	1310.7	1467.2	1780.3	2015.1	2050.2
132.5°	839.9	883.2	926.3	937.2	1059.6	1223.0	1304.6	1444.7	1725.0	1935.2	1966.7
135°	879.9	919.2	958.7	968.5	1077.1	1221.9	1294.2	1411.6	1646.3	1822.3	1849.4
137.5°	920.7	959.7	998.7	1008.4	1103.1	1229.3	1292.5	1391.7	1590.1	1738.9	1761.2
140°	954.5	990.4	1026.4	1035.3	1119.0	1230.6	1286.4	1372.1	1543.5	1672.0	1692.8
142.5°	980.6	1013.9	1047.0	1055.3	1132.4	1235.0	1286.4	1361.7	1512.2	1625.2	1643.0
145°	1020.6	1049.5	1078.5	1085.8	1149.8	1235.0	1277.7	1339.3	1462.5	1554.8	1568.4
147.5°	1060.6	1088.8	1117.0	1124.0	1175.3	1243.5	1277.7	1326.2	1423.0	1495.7	1506.9
150°	1086.6	1112.1	1137.6	1144.0	1188.5	1248.0	1277.7	1318.6	1400.4	1461.8	1470.9
152.5°	1113.5	1132.8	1152.1	1156.9	1197.2	1250.9	1277.7	1312.6	1382.5	1434.9	1441.7
155°	1153.5	1167.8	1182.1	1185.6	1216.3	1257.3	1277.7	1305.5	1361.1	1402.8	1407.4
157.5°	1183.0	1196.9	1210.8	1214.3	1235.4	1263.6	1277.7	1299.3	1342.5	1374.9	1378.1
160°	1203.0	1213.8	1224.7	1227.4	1244.2	1266.5	1277.7	1296.2	1333.3	1361.1	1363.0
162.5°	1223.0	1231.1	1239.1	1241.2	1253.3	1269.6	1277.7	1293.3	1324.6	1348.0	1349.8
165°	1244.7	1252.0	1259.3	1261.2	1266.7	1274.1	1277.7	1288.9	1311.2	1328.1	1329.9
167.5°	1264.6	1268.1	1271.6	1272.5	1277.2	1283.3	1286.4	1293.7	1308.3	1319.4	1320.1
170°	1277.7	1281.2	1284.7	1285.6	1285.8	1286.2	1286.4	1293.7	1308.3	1319.4	1319.4
172.5°	1284.6	1285.4	1286.2	1286.4	1286.4	1286.4	1286.4	1292.2	1303.8	1312.5	1311.8
175°	1294.2	1294.2	1294.2	1294.2	1291.6	1288.2	1286.4	1290.0	1297.4	1302.9	1302.9
177.5°	1294.2	1294.2	1294.2	1294.2	1292.2	1289.5	1288.2	1291.1	1296.9	1301.2	1300.4
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	4013.1	4002.0	4013.1	4005.6	4009.4	3998.3	3964.9	3953.8	3964.9	3976.0	3976.0
5°	4061.2	4053.8	4061.2	4061.2	4057.5	4050.1	4013.1	4005.6	4013.1	4016.8	4009.4
7.5°	4076.0	4065.0	4076.0	4068.6	4068.6	4061.2	4024.2	4016.8	4020.5	4031.6	4020.5
10°	4076.0	4065.0	4076.0	4072.3	4068.6	4061.2	4024.2	4009.4	4009.4	4020.5	4009.4
12.5°	4057.5	4050.1	4057.5	4050.1	4050.1	4042.7	4005.6	3990.9	3994.5	3998.3	3983.5
15°	4027.9	4016.8	4027.9	4020.5	4024.2	4013.1	3972.4	3957.5	3957.5	3964.9	3939.1
17.5°	3983.5	3968.7	3983.5	3979.8	3976.0	3968.7	3931.7	3916.8	3913.1	3916.8	3898.3
20°	3931.7	3920.6	3931.7	3927.9	3927.9	3913.1	3876.1	3857.6	3857.6	3857.6	3839.1
22.5°	3850.2	3839.1	3850.2	3857.6	3857.6	3853.9	3820.5	3794.7	3787.3	3787.3	3765.0
25°	3757.7	3746.6	3757.7	3757.7	3753.9	3757.7	3746.6	3731.7	3720.6	3709.5	3687.3
27.5°	3668.8	3661.4	3668.8	3661.4	3668.8	3657.6	3654.0	3650.3	3635.5	3624.4	3594.8
30°	3579.9	3572.6	3579.9	3572.6	3565.2	3557.7	3539.2	3531.8	3546.6	3539.2	3491.1
32.5°	3468.9	3461.5	3468.9	3468.9	3461.5	3461.5	3431.9	3420.8	3424.4	3446.6	3402.2
35°	3354.1	3343.0	3354.1	3350.4	3354.1	3343.0	3324.5	3320.7	3306.0	3331.9	3298.6
37.5°	3220.8	3209.7	3220.8	3220.8	3220.8	3228.3	3213.4	3202.3	3180.1	3213.4	3187.6
40°	3083.9	3069.0	3083.9	3080.1	3083.9	3091.3	3083.9	3076.4	3054.3	3080.1	3057.9
42.5°	2928.4	2924.6	2928.4	2932.1	2932.1	2946.9	2958.0	2943.1	2935.7	2917.3	2932.1
45°	2761.7	2754.4	2761.7	2769.2	2772.9	2780.2	2813.6	2813.6	2802.5	2772.9	2795.1
47.5°	2584.1	2565.6	2584.1	2606.3	2606.3	2617.3	2650.7	2676.7	2658.1	2621.1	2632.2
50°	2395.2	2399.0	2395.2	2410.1	2410.1	2450.8	2476.7	2502.7	2521.1	2476.7	2424.9
52.5°	2210.1	2206.5	2210.1	2221.2	2236.1	2254.6	2299.0	2324.9	2354.5	2328.6	2247.2
55°	2025.0	2032.5	2025.0	2028.7	2036.1	2047.2	2113.9	2139.8	2195.4	2162.0	2076.8
57.5°	1840.0	1828.9	1840.0	1847.4	1851.1	1862.1	1917.7	1965.8	1999.1	2002.9	1899.2
60°	1625.3	1610.4	1625.3	1658.5	1666.0	1673.4	1725.2	1769.6	1799.3	1810.4	1703.0
62.5°	1436.4	1410.5	1436.4	1458.6	1473.5	1492.0	1529.0	1595.6	1621.5	1625.3	1473.5
65°	1236.5	1225.4	1236.5	1280.9	1284.6	1306.9	1347.6	1395.7	1451.2	1443.8	1225.4
67.5°	1055.1	1055.1	1055.1	1084.7	1106.9	1118.0	1169.8	1192.1	1262.4	1269.9	1021.8
70°	888.5	884.8	888.5	910.7	925.5	951.5	999.6	1025.4	1081.0	1099.5	829.3
72.5°	729.4	725.6	729.4	747.9	762.6	784.8	825.6	855.2	903.3	925.5	644.2
75°	588.6	581.2	588.6	603.5	599.7	629.3	662.7	692.3	736.7	751.5	477.6
77.5°	451.7	451.7	451.7	466.4	466.4	496.0	510.9	547.9	573.8	596.1	351.7
80°	336.9	333.2	336.9	340.6	340.6	355.4	381.4	407.2	429.5	429.5	240.6
82.5°	237.0	229.5	237.0	237.0	237.0	244.3	259.2	266.6	281.3	292.4	151.8
85°	148.0	148.0	148.0	151.8	148.0	155.5	159.2	166.6	166.6	159.2	92.6
87.5°	96.3	92.6	96.3	92.6	92.6	88.8	88.8	88.8	85.2	81.4	51.8
90°	33.0	33.0	33.0	33.0	33.0	44.0	58.7	66.0	56.8	38.2	24.3
92.5°	132.3	106.0	132.3	158.5	165.0	234.0	325.8	371.7	326.3	235.6	167.7
95°	460.8	381.4	460.8	540.3	560.2	735.7	969.7	1086.6	917.7	579.9	326.6
97.5°	1104.2	952.9	1104.2	1255.5	1293.3	1404.2	1552.0	1626.0	1344.4	781.2	358.7
100°	1590.9	1410.6	1590.9	1771.1	1816.3	1808.1	1797.3	1791.9	1479.4	854.4	385.6
102.5°	2069.7	1915.3	2069.7	2224.1	2262.7	2121.4	1933.0	1838.9	1521.9	888.0	412.5
105°	2680.1	2597.1	2680.1	2763.1	2783.9	2467.2	2044.8	1833.6	1526.7	912.9	452.5
107.5°	3080.0	3100.0	3080.0	3059.9	3054.8	2613.1	2024.0	1729.4	1458.8	917.6	511.6
110°	3232.4	3318.9	3232.4	3145.9	3124.3	2630.4	1971.9	1642.5	1398.6	910.6	544.6





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3246.0	3378.8	3246.0	3113.2	3080.1	2574.6	1900.5	1563.5	1346.0	910.9	584.6
115°	3159.9	3344.1	3159.9	2975.8	2929.8	2442.8	1793.5	1468.8	1285.7	919.2	644.5
117.5°	2977.4	3181.7	2977.4	2773.2	2722.1	2282.6	1696.6	1403.6	1247.8	936.3	702.6
120°	2830.4	3028.8	2830.4	2631.9	2582.3	2180.7	1645.2	1377.6	1235.1	950.3	736.6
122.5°	2687.1	2882.9	2687.1	2491.4	2442.5	2080.9	1598.6	1357.6	1228.5	970.2	776.5
125°	2482.9	2663.1	2482.9	2302.6	2257.5	1950.3	1540.7	1335.9	1223.0	997.1	827.8
127.5°	2299.1	2451.2	2299.1	2147.0	2109.0	1845.2	1493.6	1317.7	1219.8	1024.1	877.3
130°	2190.8	2331.4	2190.8	2050.2	2015.1	1780.3	1467.2	1310.7	1221.7	1043.7	910.3
132.5°	2092.5	2218.4	2092.5	1966.7	1935.2	1725.0	1444.7	1304.6	1223.0	1059.6	937.2
135°	1957.9	2066.4	1957.9	1849.4	1822.3	1646.3	1411.6	1294.2	1221.9	1077.1	968.5
137.5°	1849.9	1938.7	1849.9	1761.2	1738.9	1590.1	1391.7	1292.5	1229.3	1103.1	1008.4
140°	1775.8	1858.8	1775.8	1692.8	1672.0	1543.5	1372.1	1286.4	1230.6	1119.0	1035.3
142.5°	1714.5	1785.8	1714.5	1643.0	1625.2	1512.2	1361.7	1286.4	1235.0	1132.4	1055.3
145°	1622.4	1676.3	1622.4	1568.4	1554.8	1462.5	1339.3	1277.7	1235.0	1149.8	1085.8
147.5°	1551.7	1596.5	1551.7	1506.9	1495.7	1423.0	1326.2	1277.7	1243.5	1175.3	1124.0
150°	1507.2	1543.5	1507.2	1470.9	1461.8	1400.4	1318.6	1277.7	1248.0	1188.5	1144.0
152.5°	1469.2	1496.5	1469.2	1441.7	1434.9	1382.5	1312.6	1277.7	1250.9	1197.2	1156.9
155°	1425.5	1443.6	1425.5	1407.4	1402.8	1361.1	1305.5	1277.7	1257.3	1216.3	1185.6
157.5°	1390.9	1403.6	1390.9	1378.1	1374.9	1342.5	1299.3	1277.7	1263.6	1235.4	1214.3
160°	1370.3	1377.6	1370.3	1363.0	1361.1	1333.3	1296.2	1277.7	1266.5	1244.2	1227.4
162.5°	1356.7	1363.7	1356.7	1349.8	1348.0	1324.6	1293.3	1277.7	1269.6	1253.3	1241.2
165°	1337.2	1344.6	1337.2	1329.9	1328.1	1311.2	1288.9	1277.7	1274.1	1266.7	1261.2
167.5°	1323.3	1326.4	1323.3	1320.1	1319.4	1308.3	1293.7	1286.4	1283.3	1277.2	1272.5
170°	1319.4	1319.4	1319.4	1319.4	1319.4	1308.3	1293.7	1286.4	1286.2	1285.8	1285.6
172.5°	1309.1	1306.4	1309.1	1311.8	1312.5	1303.8	1292.2	1286.4	1286.4	1286.4	1286.4
175°	1302.9	1302.9	1302.9	1302.9	1302.9	1297.4	1290.0	1286.4	1288.2	1291.6	1294.2
177.5°	1297.3	1294.2	1297.3	1300.4	1301.2	1296.9	1291.1	1288.2	1289.5	1292.2	1294.2
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3968.7	3946.4	3946.4	3909.4	3894.6	3883.5	3865.0	3809.5	3794.7	3779.8	3802.0
5°	4002.0	3961.3	3931.7	3865.0	3809.5	3787.3	3716.9	3583.7	3494.7	3428.2	3391.2
7.5°	4009.4	3957.5	3902.0	3798.4	3665.1	3605.9	3391.2	3146.8	3080.1	3020.9	2983.8
10°	4002.0	3942.8	3865.0	3709.5	3394.8	3291.1	3076.4	2917.3	2876.5	2865.4	2876.5
12.5°	3976.0	3920.6	3813.1	3554.1	3113.5	3043.2	2917.3	2824.7	2817.3	2835.8	2935.7
15°	3931.7	3879.8	3753.9	3346.7	2958.0	2906.1	2817.3	2784.0	2824.7	2954.2	3254.1
17.5°	3887.2	3828.0	3672.5	3143.1	2839.5	2802.5	2739.5	2806.2	3035.7	3209.7	3309.7
20°	3828.0	3757.7	3579.9	2995.0	2754.4	2721.0	2691.4	2991.3	3165.3	3228.3	3283.8
22.5°	3757.7	3683.6	3454.0	2891.4	2665.5	2639.6	2658.1	3095.0	3165.3	3209.7	3257.9
25°	3665.1	3602.2	3306.0	2809.9	2595.2	2565.6	2635.9	3083.9	3124.6	3135.7	3231.9
27.5°	3579.9	3498.5	3150.5	2735.9	2510.0	2498.9	2654.4	3035.7	3065.4	3076.4	3180.1
30°	3476.3	3354.1	2976.5	2658.1	2421.2	2417.5	2658.1	2976.5	2969.1	2998.7	3102.4
32.5°	3368.9	3139.4	2780.2	2561.9	2336.0	2332.3	2632.2	2887.6	2880.3	2921.0	2998.7
35°	3269.0	2972.8	2513.8	2450.8	2228.7	2232.4	2569.2	2784.0	2787.7	2824.7	2872.8
37.5°	3165.3	2828.4	2221.2	2328.6	2125.0	2125.0	2484.1	2687.8	2680.3	2691.4	2758.1
40°	3043.2	2602.6	1962.1	2169.4	2028.7	2017.6	2380.5	2584.1	2558.1	2554.5	2647.0
42.5°	2913.5	2354.5	1769.6	1958.4	1917.7	1902.8	2254.6	2458.2	2410.1	2421.2	2539.6
45°	2772.9	2287.9	1621.5	1654.9	1802.9	1791.8	2117.6	2313.8	2280.5	2310.2	2432.3
47.5°	2632.2	2154.6	1573.4	1373.4	1680.7	1677.1	1965.8	2173.1	2154.6	2184.3	2313.8
50°	2439.7	2006.5	1569.7	1177.3	1543.8	1558.6	1784.4	2036.1	2036.1	2062.1	2199.0
52.5°	2191.6	1825.1	1425.3	1066.2	1384.6	1429.0	1625.3	1917.7	1925.1	1951.0	2073.2
55°	1965.8	1636.4	1321.6	981.1	1195.8	1292.0	1469.7	1795.5	1810.4	1836.2	1947.3
57.5°	1758.5	1362.3	1299.5	881.1	1021.8	1114.4	1332.7	1677.1	1684.5	1706.7	1814.0
60°	1536.3	984.7	1192.1	773.7	870.0	940.4	1206.9	1536.3	1562.3	1577.1	1669.6
62.5°	1284.6	714.5	1081.0	699.7	796.0	810.8	1103.2	1403.1	1436.4	1447.5	1503.1
65°	914.4	599.7	918.1	636.8	718.2	721.9	992.2	1266.1	1295.7	1314.2	1355.0
67.5°	618.2	488.7	699.7	577.5	658.9	662.7	884.8	1106.9	1147.6	1162.5	1188.4
70°	429.5	325.8	518.3	514.6	592.3	599.7	770.1	962.6	999.6	1010.7	1025.4
72.5°	314.7	262.8	429.5	462.8	522.0	529.4	651.6	799.7	836.7	847.8	855.2
75°	240.6	277.7	348.0	403.5	444.2	447.9	533.1	651.6	677.5	684.9	688.5
77.5°	192.5	259.2	255.4	325.8	362.8	355.4	418.3	503.5	525.7	525.7	525.7
80°	144.4	203.6	192.5	233.2	266.6	259.2	299.9	359.1	366.5	373.9	370.2
82.5°	107.3	129.5	129.5	148.0	177.7	170.3	199.9	233.2	233.2	233.2	240.6
85°	66.6	74.1	59.2	77.7	99.9	96.3	111.1	125.9	129.5	129.5	122.2
87.5°	40.7	33.3	18.5	29.6	44.5	44.5	51.8	55.6	51.8	51.8	51.8
90°	22.5	15.6	8.7	15.6	22.5	24.3	38.2	56.8	66.0	58.7	44.0
92.5°	152.9	93.8	34.7	93.8	152.9	167.7	235.6	326.3	371.7	325.8	234.0
95°	299.6	191.5	83.4	191.5	299.6	326.6	579.9	917.7	1086.6	969.7	735.7
97.5°	334.9	239.6	144.2	239.6	334.9	358.7	781.2	1344.4	1626.0	1552.0	1404.2
100°	364.1	277.6	191.1	277.6	364.1	385.6	854.4	1479.4	1791.9	1797.3	1808.1
102.5°	392.4	311.8	231.1	311.8	392.4	412.5	888.0	1521.9	1838.9	1933.0	2121.4
105°	435.4	367.2	298.8	367.2	435.4	452.5	912.9	1526.7	1833.6	2044.8	2467.2
107.5°	495.7	432.0	368.3	432.0	495.7	511.6	917.6	1458.8	1729.4	2024.0	2613.1
110°	530.2	472.7	415.2	472.7	530.2	544.6	910.6	1398.6	1642.5	1971.9	2630.4



TEST NUMBER: P934905

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	570.9	516.0	461.2	516.0	570.9	584.6	910.9	1346.0	1563.5	1900.5	2574.6
115°	631.9	581.2	530.7	581.2	631.9	644.5	919.2	1285.7	1468.8	1793.5	2442.8
117.5°	691.2	645.3	599.3	645.3	691.2	702.6	936.3	1247.8	1403.6	1696.6	2282.6
120°	725.7	682.6	639.3	682.6	725.7	736.6	950.3	1235.1	1377.6	1645.2	2180.7
122.5°	765.6	722.0	678.4	722.0	765.6	776.5	970.2	1228.5	1357.6	1598.6	2080.9
125°	817.9	778.1	738.3	778.1	817.9	827.8	997.1	1223.0	1335.9	1540.7	1950.3
127.5°	867.3	827.2	787.0	827.2	867.3	877.3	1024.1	1219.8	1317.7	1493.6	1845.2
130°	899.4	856.3	813.0	856.3	899.4	910.3	1043.7	1221.7	1310.7	1467.2	1780.3
132.5°	926.3	883.2	839.9	883.2	926.3	937.2	1059.6	1223.0	1304.6	1444.7	1725.0
135°	958.7	919.2	879.9	919.2	958.7	968.5	1077.1	1221.9	1294.2	1411.6	1646.3
137.5°	998.7	959.7	920.7	959.7	998.7	1008.4	1103.1	1229.3	1292.5	1391.7	1590.1
140°	1026.4	990.4	954.5	990.4	1026.4	1035.3	1119.0	1230.6	1286.4	1372.1	1543.5
142.5°	1047.0	1013.9	980.6	1013.9	1047.0	1055.3	1132.4	1235.0	1286.4	1361.7	1512.2
145°	1078.5	1049.5	1020.6	1049.5	1078.5	1085.8	1149.8	1235.0	1277.7	1339.3	1462.5
147.5°	1117.0	1088.8	1060.6	1088.8	1117.0	1124.0	1175.3	1243.5	1277.7	1326.2	1423.0
150°	1137.6	1112.1	1086.6	1112.1	1137.6	1144.0	1188.5	1248.0	1277.7	1318.6	1400.4
152.5°	1152.1	1132.8	1113.5	1132.8	1152.1	1156.9	1197.2	1250.9	1277.7	1312.6	1382.5
155°	1182.1	1167.8	1153.5	1167.8	1182.1	1185.6	1216.3	1257.3	1277.7	1305.5	1361.1
157.5°	1210.8	1196.9	1183.0	1196.9	1210.8	1214.3	1235.4	1263.6	1277.7	1299.3	1342.5
160°	1224.7	1213.8	1203.0	1213.8	1224.7	1227.4	1244.2	1266.5	1277.7	1296.2	1333.3
162.5°	1239.1	1231.1	1223.0	1231.1	1239.1	1241.2	1253.3	1269.6	1277.7	1293.3	1324.6
165°	1259.3	1252.0	1244.7	1252.0	1259.3	1261.2	1266.7	1274.1	1277.7	1288.9	1311.2
167.5°	1271.6	1268.1	1264.6	1268.1	1271.6	1272.5	1277.2	1283.3	1286.4	1293.7	1308.3
170°	1284.7	1281.2	1277.7	1281.2	1284.7	1285.6	1285.8	1286.2	1286.4	1293.7	1308.3
172.5°	1286.2	1285.4	1284.6	1285.4	1286.2	1286.4	1286.4	1286.4	1286.4	1292.2	1303.8
175°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1291.6	1288.2	1286.4	1290.0	1297.4
177.5°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1292.2	1289.5	1288.2	1291.1	1296.9
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



TEST NUMBER: P934905  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3776.2	3765.0	3779.8	3739.1	3779.8	3765.0	3776.2	3802.0	3779.8	3794.7	3809.5
5°	3313.4	3294.9	3235.7	3187.6	3235.7	3294.9	3313.4	3391.2	3428.2	3494.7	3583.7
7.5°	2961.7	2946.9	2932.1	2902.4	2932.1	2946.9	2961.7	2983.8	3020.9	3080.1	3146.8
10°	2883.9	2887.6	2909.9	2906.1	2909.9	2887.6	2883.9	2876.5	2865.4	2876.5	2917.3
12.5°	3083.9	3117.1	3239.3	3231.9	3239.3	3117.1	3083.9	2935.7	2835.8	2817.3	2824.7
15°	3313.4	3324.5	3350.4	3354.1	3350.4	3324.5	3313.4	3254.1	2954.2	2824.7	2784.0
17.5°	3335.6	3339.3	3357.8	3357.8	3357.8	3339.3	3335.6	3309.7	3209.7	3035.7	2806.2
20°	3317.1	3324.5	3361.5	3368.9	3361.5	3324.5	3317.1	3283.8	3228.3	3165.3	2991.3
22.5°	3309.7	3324.5	3354.1	3350.4	3354.1	3324.5	3309.7	3257.9	3209.7	3165.3	3095.0
25°	3272.6	3272.6	3276.4	3280.0	3276.4	3272.6	3272.6	3231.9	3135.7	3124.6	3083.9
27.5°	3194.9	3202.3	3224.5	3220.8	3224.5	3202.3	3194.9	3180.1	3076.4	3065.4	3035.7
30°	3124.6	3117.1	3098.6	3083.9	3098.6	3117.1	3124.6	3102.4	2998.7	2969.1	2976.5
32.5°	3006.1	2987.6	2969.1	2958.0	2969.1	2987.6	3006.1	2998.7	2921.0	2880.3	2887.6
35°	2865.4	2869.2	2865.4	2854.3	2865.4	2869.2	2865.4	2872.8	2824.7	2787.7	2784.0
37.5°	2765.5	2772.9	2769.2	2754.4	2769.2	2772.9	2765.5	2758.1	2691.4	2680.3	2687.8
40°	2661.8	2665.5	2661.8	2650.7	2661.8	2665.5	2661.8	2647.0	2554.5	2558.1	2584.1
42.5°	2561.9	2558.1	2547.0	2539.6	2547.0	2558.1	2561.9	2539.6	2421.2	2410.1	2458.2
45°	2447.1	2450.8	2428.6	2417.5	2428.6	2450.8	2447.1	2432.3	2310.2	2280.5	2313.8
47.5°	2332.3	2332.3	2313.8	2302.7	2313.8	2332.3	2332.3	2313.8	2184.3	2154.6	2173.1
50°	2210.1	2206.5	2180.5	2176.9	2180.5	2206.5	2210.1	2199.0	2062.1	2036.1	2036.1
52.5°	2069.5	2069.5	2073.2	2080.6	2073.2	2069.5	2069.5	2073.2	1951.0	1925.1	1917.7
55°	1947.3	1951.0	1976.9	1984.3	1976.9	1951.0	1947.3	1947.3	1836.2	1810.4	1795.5
57.5°	1821.4	1821.4	1840.0	1840.0	1840.0	1821.4	1821.4	1814.0	1706.7	1684.5	1677.1
60°	1677.1	1684.5	1699.2	1695.6	1699.2	1684.5	1677.1	1669.6	1577.1	1562.3	1536.3
62.5°	1525.2	1532.7	1536.3	1529.0	1536.3	1532.7	1525.2	1503.1	1447.5	1436.4	1403.1
65°	1366.1	1373.4	1377.2	1369.8	1377.2	1373.4	1366.1	1355.0	1314.2	1295.7	1266.1
67.5°	1203.2	1199.4	1195.8	1210.6	1195.8	1199.4	1203.2	1188.4	1162.5	1147.6	1106.9
70°	1036.6	1036.6	1032.9	1040.3	1032.9	1036.6	1036.6	1025.4	1010.7	999.6	962.6
72.5°	858.9	855.2	870.0	858.9	870.0	855.2	858.9	855.2	847.8	836.7	799.7
75°	684.9	692.3	684.9	696.0	684.9	692.3	684.9	688.5	684.9	677.5	651.6
77.5°	522.0	529.4	522.0	522.0	522.0	529.4	522.0	525.7	525.7	525.7	503.5
80°	370.2	366.5	366.5	362.8	366.5	366.5	370.2	370.2	373.9	366.5	359.1
82.5°	237.0	233.2	233.2	240.6	233.2	233.2	237.0	240.6	233.2	233.2	233.2
85°	129.5	133.3	125.9	125.9	125.9	133.3	129.5	122.2	129.5	129.5	125.9
87.5°	48.1	44.5	44.5	44.5	44.5	44.5	48.1	51.8	51.8	51.8	55.6
90°	33.0	33.0	33.0	33.0	33.0	33.0	33.0	44.0	58.7	66.0	56.8
92.5°	165.0	158.5	132.3	106.0	132.3	158.5	165.0	234.0	325.8	371.7	326.3
95°	560.2	540.3	460.8	381.4	460.8	540.3	560.2	735.7	969.7	1086.6	917.7
97.5°	1293.3	1255.5	1104.2	952.9	1104.2	1255.5	1293.3	1404.2	1552.0	1626.0	1344.4
100°	1816.3	1771.1	1590.9	1410.6	1590.9	1771.1	1816.3	1808.1	1797.3	1791.9	1479.4
102.5°	2262.7	2224.1	2069.7	1915.3	2069.7	2224.1	2262.7	2121.4	1933.0	1838.9	1521.9
105°	2783.9	2763.1	2680.1	2597.1	2680.1	2763.1	2783.9	2467.2	2044.8	1833.6	1526.7
107.5°	3054.8	3059.9	3080.0	3100.0	3080.0	3059.9	3054.8	2613.1	2024.0	1729.4	1458.8
110°	3124.3	3145.9	3232.4	3318.9	3232.4	3145.9	3124.3	2630.4	1971.9	1642.5	1398.6



TEST NUMBER: P934905

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3080.1	3113.2	3246.0	3378.8	3246.0	3113.2	3080.1	2574.6	1900.5	1563.5	1346.0
115°	2929.8	2975.8	3159.9	3344.1	3159.9	2975.8	2929.8	2442.8	1793.5	1468.8	1285.7
117.5°	2722.1	2773.2	2977.4	3181.7	2977.4	2773.2	2722.1	2282.6	1696.6	1403.6	1247.8
120°	2582.3	2631.9	2830.4	3028.8	2830.4	2631.9	2582.3	2180.7	1645.2	1377.6	1235.1
122.5°	2442.5	2491.4	2687.1	2882.9	2687.1	2491.4	2442.5	2080.9	1598.6	1357.6	1228.5
125°	2257.5	2302.6	2482.9	2663.1	2482.9	2302.6	2257.5	1950.3	1540.7	1335.9	1223.0
127.5°	2109.0	2147.0	2299.1	2451.2	2299.1	2147.0	2109.0	1845.2	1493.6	1317.7	1219.8
130°	2015.1	2050.2	2190.8	2331.4	2190.8	2050.2	2015.1	1780.3	1467.2	1310.7	1221.7
132.5°	1935.2	1966.7	2092.5	2218.4	2092.5	1966.7	1935.2	1725.0	1444.7	1304.6	1223.0
135°	1822.3	1849.4	1957.9	2066.4	1957.9	1849.4	1822.3	1646.3	1411.6	1294.2	1221.9
137.5°	1738.9	1761.2	1849.9	1938.7	1849.9	1761.2	1738.9	1590.1	1391.7	1292.5	1229.3
140°	1672.0	1692.8	1775.8	1858.8	1775.8	1692.8	1672.0	1543.5	1372.1	1286.4	1230.6
142.5°	1625.2	1643.0	1714.5	1785.8	1714.5	1643.0	1625.2	1512.2	1361.7	1286.4	1235.0
145°	1554.8	1568.4	1622.4	1676.3	1622.4	1568.4	1554.8	1462.5	1339.3	1277.7	1235.0
147.5°	1495.7	1506.9	1551.7	1596.5	1551.7	1506.9	1495.7	1423.0	1326.2	1277.7	1243.5
150°	1461.8	1470.9	1507.2	1543.5	1507.2	1470.9	1461.8	1400.4	1318.6	1277.7	1248.0
152.5°	1434.9	1441.7	1469.2	1496.5	1469.2	1441.7	1434.9	1382.5	1312.6	1277.7	1250.9
155°	1402.8	1407.4	1425.5	1443.6	1425.5	1407.4	1402.8	1361.1	1305.5	1277.7	1257.3
157.5°	1374.9	1378.1	1390.9	1403.6	1390.9	1378.1	1374.9	1342.5	1299.3	1277.7	1263.6
160°	1361.1	1363.0	1370.3	1377.6	1370.3	1363.0	1361.1	1333.3	1296.2	1277.7	1266.5
162.5°	1348.0	1349.8	1356.7	1363.7	1356.7	1349.8	1348.0	1324.6	1293.3	1277.7	1269.6
165°	1328.1	1329.9	1337.2	1344.6	1337.2	1329.9	1328.1	1311.2	1288.9	1277.7	1274.1
167.5°	1319.4	1320.1	1323.3	1326.4	1323.3	1320.1	1319.4	1308.3	1293.7	1286.4	1283.3
170°	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1308.3	1293.7	1286.4	1286.2
172.5°	1312.5	1311.8	1309.1	1306.4	1309.1	1311.8	1312.5	1303.8	1292.2	1286.4	1286.4
175°	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1297.4	1290.0	1286.4	1288.2
177.5°	1301.2	1300.4	1297.3	1294.2	1297.3	1300.4	1301.2	1296.9	1291.1	1288.2	1289.5
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



TEST NUMBER: P934905

CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3865.0	3883.5	3894.6	3909.4	3946.4
5°	3716.9	3787.3	3809.5	3865.0	3931.7
7.5°	3391.2	3605.9	3665.1	3798.4	3902.0
10°	3076.4	3291.1	3394.8	3709.5	3865.0
12.5°	2917.3	3043.2	3113.5	3554.1	3813.1
15°	2817.3	2906.1	2958.0	3346.7	3753.9
17.5°	2739.5	2802.5	2839.5	3143.1	3672.5
20°	2691.4	2721.0	2754.4	2995.0	3579.9
22.5°	2658.1	2639.6	2665.5	2891.4	3454.0
25°	2635.9	2565.6	2595.2	2809.9	3306.0
27.5°	2654.4	2498.9	2510.0	2735.9	3150.5
30°	2658.1	2417.5	2421.2	2658.1	2976.5
32.5°	2632.2	2332.3	2336.0	2561.9	2780.2
35°	2569.2	2232.4	2228.7	2450.8	2513.8
37.5°	2484.1	2125.0	2125.0	2328.6	2221.2
40°	2380.5	2017.6	2028.7	2169.4	1962.1
42.5°	2254.6	1902.8	1917.7	1958.4	1769.6
45°	2117.6	1791.8	1802.9	1654.9	1621.5
47.5°	1965.8	1677.1	1680.7	1373.4	1573.4
50°	1784.4	1558.6	1543.8	1177.3	1569.7
52.5°	1625.3	1429.0	1384.6	1066.2	1425.3
55°	1469.7	1292.0	1195.8	981.1	1321.6
57.5°	1332.7	1114.4	1021.8	881.1	1299.5
60°	1206.9	940.4	870.0	773.7	1192.1
62.5°	1103.2	810.8	796.0	699.7	1081.0
65°	992.2	721.9	718.2	636.8	918.1
67.5°	884.8	662.7	658.9	577.5	699.7
70°	770.1	599.7	592.3	514.6	518.3
72.5°	651.6	529.4	522.0	462.8	429.5
75°	533.1	447.9	444.2	403.5	348.0
77.5°	418.3	355.4	362.8	325.8	255.4
80°	299.9	259.2	266.6	233.2	192.5
82.5°	199.9	170.3	177.7	148.0	129.5
85°	111.1	96.3	99.9	77.7	59.2
87.5°	51.8	44.5	44.5	29.6	18.5
90°	38.2	24.3	22.5	15.6	8.7
92.5°	235.6	167.7	152.9	93.8	34.7
95°	579.9	326.6	299.6	191.5	83.4
97.5°	781.2	358.7	334.9	239.6	144.2
100°	854.4	385.6	364.1	277.6	191.1
102.5°	888.0	412.5	392.4	311.8	231.1
105°	912.9	452.5	435.4	367.2	298.8
107.5°	917.6	511.6	495.7	432.0	368.3
110°	910.6	544.6	530.2	472.7	415.2



TEST NUMBER: P934905  
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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	910.9	584.6	570.9	516.0	461.2
115°	919.2	644.5	631.9	581.2	530.7
117.5°	936.3	702.6	691.2	645.3	599.3
120°	950.3	736.6	725.7	682.6	639.3
122.5°	970.2	776.5	765.6	722.0	678.4
125°	997.1	827.8	817.9	778.1	738.3
127.5°	1024.1	877.3	867.3	827.2	787.0
130°	1043.7	910.3	899.4	856.3	813.0
132.5°	1059.6	937.2	926.3	883.2	839.9
135°	1077.1	968.5	958.7	919.2	879.9
137.5°	1103.1	1008.4	998.7	959.7	920.7
140°	1119.0	1035.3	1026.4	990.4	954.5
142.5°	1132.4	1055.3	1047.0	1013.9	980.6
145°	1149.8	1085.8	1078.5	1049.5	1020.6
147.5°	1175.3	1124.0	1117.0	1088.8	1060.6
150°	1188.5	1144.0	1137.6	1112.1	1086.6
152.5°	1197.2	1156.9	1152.1	1132.8	1113.5
155°	1216.3	1185.6	1182.1	1167.8	1153.5
157.5°	1235.4	1214.3	1210.8	1196.9	1183.0
160°	1244.2	1227.4	1224.7	1213.8	1203.0
162.5°	1253.3	1241.2	1239.1	1231.1	1223.0
165°	1266.7	1261.2	1259.3	1252.0	1244.7
167.5°	1277.2	1272.5	1271.6	1268.1	1264.6
170°	1285.8	1285.6	1284.7	1281.2	1277.7
172.5°	1286.4	1286.4	1286.2	1285.4	1284.6
175°	1291.6	1294.2	1294.2	1294.2	1294.2
177.5°	1292.2	1294.2	1294.2	1294.2	1294.2
180°	1294.2	1294.2	1294.2	1294.2	1294.2



TEST NUMBER: P934905  
 CATALOG NUMBER: SQ4-FA-075U-100D-B50-1D-UNV-STD-W-12

**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	13.90	14.81	14.82	15.74	16.94	16.75	17.66	17.67	18.59	19.80
	3H	14.38	15.20	15.31	16.14	17.36	18.11	18.92	19.04	19.87	21.09
	4H	14.58	15.34	15.52	16.29	17.53	18.56	19.33	19.50	20.28	21.51
	6H	14.70	15.41	15.65	16.36	17.61	18.85	19.56	19.81	20.51	21.76
	8H	14.70	15.37	15.66	16.34	17.59	18.93	19.61	19.89	20.58	21.82
	12H	14.67	15.31	15.64	16.28	17.55	18.98	19.62	19.94	20.58	21.85
4H	2H	14.95	15.71	15.89	16.66	17.90	17.17	17.94	18.12	18.88	20.12
	3H	15.98	16.62	16.94	17.60	18.85	18.68	19.32	19.64	20.30	21.55
	4H	16.26	16.84	17.22	17.81	19.09	19.22	19.80	20.19	20.78	22.05
	6H	16.38	16.89	17.36	17.88	19.15	19.59	20.10	20.57	21.09	22.36
	8H	16.39	16.86	17.37	17.85	19.14	19.70	20.17	20.69	21.16	22.45
	12H	16.36	16.78	17.36	17.79	19.08	19.77	20.19	20.77	21.20	22.49
8H	4H	16.72	17.19	17.70	18.18	19.46	19.35	19.82	20.33	20.81	22.09
	6H	16.98	17.37	17.99	18.40	19.68	19.79	20.18	20.80	21.21	22.50
	8H	17.02	17.37	18.04	18.38	19.69	19.95	20.29	20.96	21.31	22.61
	12H	17.01	17.31	18.03	18.32	19.67	20.05	20.35	21.07	21.37	22.71
12H	4H	16.73	17.15	17.73	18.16	19.45	19.31	19.74	20.31	20.74	22.04
	6H	17.04	17.39	18.06	18.40	19.71	19.79	20.13	20.80	21.15	22.45
	8H	17.11	17.41	18.13	18.42	19.77	19.95	20.26	20.97	21.27	22.62