

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: P934713

Luminaire Tested: SQ4-FA-075U-075D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

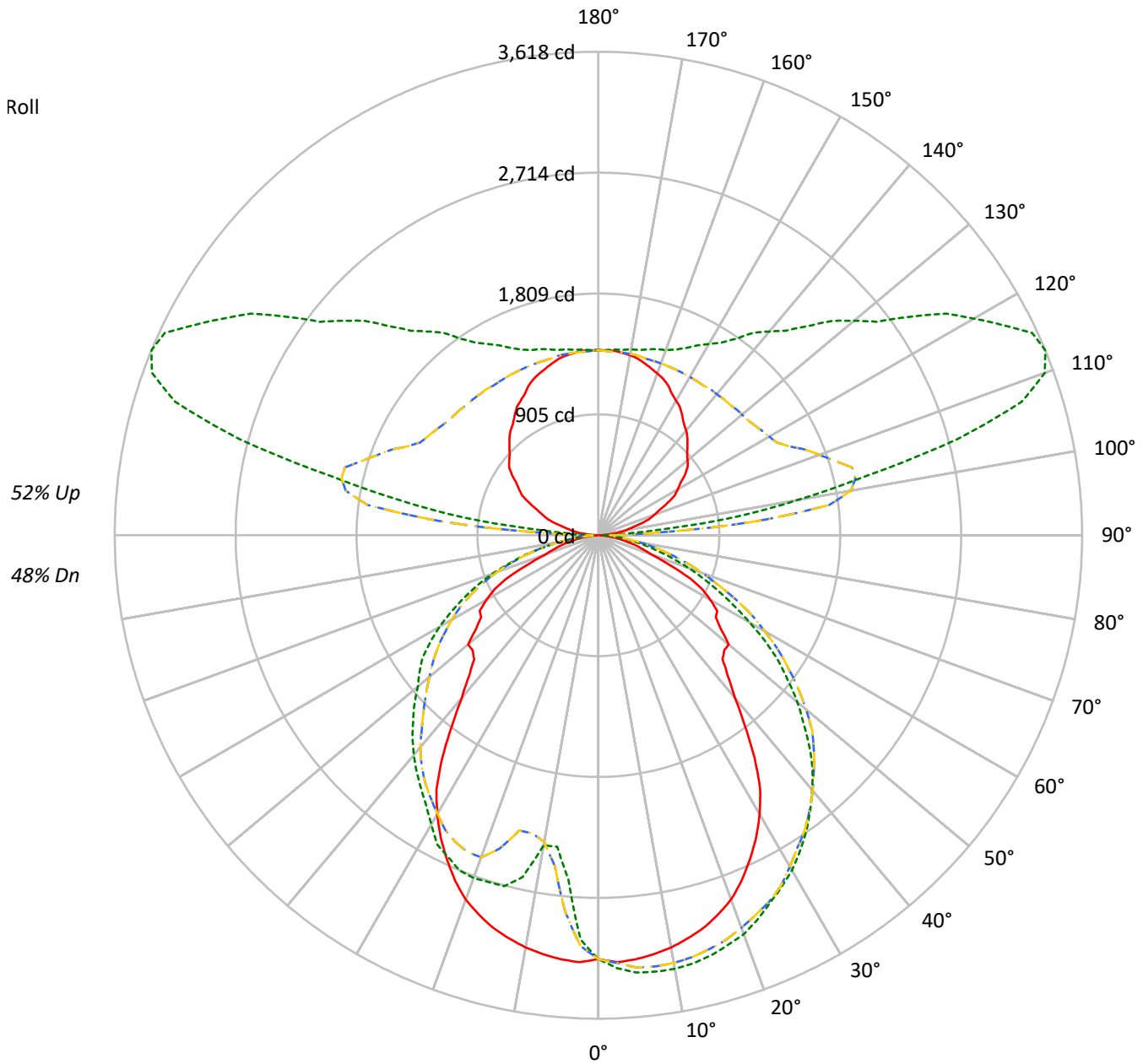
Test Method: LM-79-2019  
Report Number: P934713  
REPORT IS A COMBINATION OF REPORTS P933709 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-075D-835-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17209.9 lumens  
Efficiency: N/A  
Efficacy: 135.3 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): 127.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



— 0°-180°    - - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29	29	29	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17	17	17	17
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

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

	0°	90°	180°	270°
0°	9808	9808	9808	9808
5°	9885	9901	9885	7785
10°	9823	9753	9823	6973
15°	9720	9542	9720	7968
20°	9520	9292	9520	7984
25°	9108	8926	9108	7815
30°	8573	8623	8573	7443
35°	7647	8240	7647	7035
40°	6375	7788	6375	6727
45°	5700	7260	5700	6372
50°	6061	6630	6061	6016
55°	5708	5951	5708	5810
60°	5891	5054	5891	5321
65°	5350	4178	5350	4670
70°	3713	3330	3713	3915
75°	3268	2461	3268	2947
80°	2653	1627	2653	1772
85°	1555	862	1555	733

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8731 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.2	1.7
10°-20°	812.7	4.7
20°-30°	1256.3	7.3
30°-40°	1499.8	8.7
40°-50°	1508.6	8.8
50°-60°	1312.6	7.6
60°-70°	930.7	5.4
70°-80°	492.4	2.9
80°-90°	127.9	0.7
90°-100°	675.4	3.9
100°-110°	1775.8	10.3
110°-120°	1841.3	10.7
120°-130°	1476.9	8.6
130°-140°	1158.9	6.7
140°-150°	889.5	5.2
150°-160°	640.6	3.7
160°-170°	391.9	2.3
170°-180°	132.4	0.8
0°-30°	2355.3	13.7
0°-40°	3855.1	22.4
0°-60°	6676.2	38.8
0°-90°	8227.2	47.8
90°-120°	4292.5	24.9
90°-150°	7817.8	45.4
90°-180°	8983.0	52.2
0°-180°	17209.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3171	3171	3171	3171	3171	
5°	3186	3285	3186	2583	3186	302
15°	3042	3255	3042	2718	3042	856
25°	2679	3036	2679	2658	2679	1230
35°	2037	2709	2037	2313	2037	1260
45°	1314	2232	1314	1959	1314	1053
55°	1071	1647	1071	1608	1071	984
65°	744	993	744	1110	744	711
75°	282	471	282	564	282	296
85°	48	120	48	102	48	65
90°	9	35	9	35	9	10
95°	89	408	89	408	89	99
105°	320	2781	320	2781	320	339
115°	568	3580	568	3580	568	561
125°	790	2851	790	2851	790	702
135°	942	2212	942	2212	942	729
145°	1093	1795	1093	1795	1093	685
155°	1235	1546	1235	1546	1235	567
165°	1333	1440	1333	1440	1333	376
175°	1386	1395	1386	1395	1386	132
180°	1386	1386	1386	1386	1386	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3198.1	3198.1	3216.1	3222.1	3222.1	3213.1	3204.1	3213.1	3240.1	3249.1	3246.1
5°	3186.1	3210.1	3243.1	3249.1	3255.1	3252.1	3246.1	3252.1	3282.1	3288.1	3291.1
7.5°	3162.1	3207.1	3249.1	3258.1	3267.1	3258.1	3255.1	3261.1	3291.1	3297.1	3297.1
10°	3132.1	3195.1	3243.1	3249.1	3258.1	3249.1	3249.1	3261.1	3291.1	3297.1	3300.1
12.5°	3090.1	3177.1	3222.1	3228.1	3240.1	3237.1	3234.1	3246.1	3276.1	3282.1	3282.1
15°	3042.1	3144.1	3186.1	3192.1	3213.1	3207.1	3207.1	3219.1	3252.1	3261.1	3258.1
17.5°	2976.1	3102.1	3150.1	3159.1	3174.1	3171.1	3174.1	3186.1	3216.1	3222.1	3225.1
20°	2901.1	3045.1	3102.1	3111.1	3126.1	3126.1	3126.1	3141.1	3171.1	3183.1	3183.1
22.5°	2799.1	2985.1	3045.1	3051.1	3069.1	3069.1	3075.1	3096.1	3123.1	3126.1	3126.1
25°	2679.1	2919.1	2970.1	2988.1	3006.1	3015.1	3024.1	3036.1	3045.1	3042.1	3045.1
27.5°	2553.0	2835.1	2901.1	2913.1	2937.1	2946.1	2958.1	2961.1	2964.1	2973.1	2967.1
30°	2412.0	2718.1	2817.1	2829.1	2868.1	2874.1	2862.1	2868.1	2883.1	2889.1	2895.1
32.5°	2253.0	2544.0	2730.1	2757.1	2793.1	2775.1	2772.1	2781.1	2805.1	2805.1	2811.1
35°	2037.0	2409.0	2649.1	2673.1	2700.1	2679.1	2691.1	2694.1	2709.1	2718.1	2715.1
37.5°	1800.0	2292.0	2565.0	2583.0	2604.0	2577.0	2595.0	2604.0	2616.0	2610.0	2610.0
40°	1590.0	2109.0	2466.0	2478.0	2496.0	2475.0	2493.0	2499.0	2505.0	2499.0	2496.0
42.5°	1434.0	1908.0	2361.0	2376.0	2364.0	2379.0	2385.0	2397.0	2388.0	2376.0	2376.0
45°	1314.0	1854.0	2247.0	2265.0	2247.0	2271.0	2280.0	2280.0	2253.0	2247.0	2244.0
47.5°	1275.0	1746.0	2133.0	2133.0	2124.0	2154.0	2169.0	2148.0	2121.0	2112.0	2112.0
50°	1272.0	1626.0	1977.0	1965.0	2007.0	2043.0	2028.0	2007.0	1986.0	1953.0	1953.0
52.5°	1155.0	1479.0	1776.0	1821.0	1887.0	1908.0	1884.0	1863.0	1827.0	1812.0	1800.0
55°	1071.0	1326.0	1593.0	1683.0	1752.0	1779.0	1734.0	1713.0	1659.0	1650.0	1644.0
57.5°	1053.0	1104.0	1425.0	1539.0	1623.0	1620.0	1593.0	1554.0	1509.0	1500.0	1497.0
60°	966.0	798.0	1245.0	1380.0	1467.0	1458.0	1434.0	1398.0	1356.0	1350.0	1344.0
62.5°	876.0	579.0	1041.0	1194.0	1317.0	1314.0	1293.0	1239.0	1209.0	1194.0	1182.0
65°	744.0	486.0	741.0	993.0	1170.0	1176.0	1131.0	1092.0	1059.0	1041.0	1038.0
67.5°	567.0	396.0	501.0	828.0	1029.0	1023.0	966.0	948.0	906.0	897.0	879.0
70°	420.0	264.0	348.0	672.0	891.0	876.0	831.0	810.0	771.0	750.0	738.0
72.5°	348.0	213.0	255.0	522.0	750.0	732.0	693.0	669.0	636.0	618.0	606.0
75°	282.0	225.0	195.0	387.0	609.0	597.0	561.0	537.0	510.0	486.0	489.0
77.5°	207.0	210.0	156.0	285.0	483.0	465.0	444.0	414.0	402.0	378.0	378.0
80°	156.0	165.0	117.0	195.0	348.0	348.0	330.0	309.0	288.0	276.0	276.0
82.5°	105.0	105.0	87.0	123.0	237.0	228.0	216.0	210.0	198.0	192.0	192.0
85°	48.0	60.0	54.0	75.0	129.0	135.0	135.0	129.0	126.0	120.0	123.0
87.5°	15.0	27.0	33.0	42.0	66.0	69.0	72.0	72.0	72.0	75.0	75.0
90°	9.3	16.7	24.1	26.0	40.9	60.8	70.7	62.8	47.1	35.3	35.3
92.5°	37.2	100.4	163.7	179.5	252.3	349.4	398.0	348.8	250.5	176.7	169.7
95°	89.3	205.0	320.8	349.7	620.9	982.6	1163.4	1038.2	787.7	599.8	578.5
97.5°	154.4	256.5	358.6	384.1	836.4	1439.4	1740.9	1661.7	1503.4	1384.7	1344.2
100°	204.6	297.2	389.8	412.9	914.8	1583.9	1918.5	1924.3	1935.9	1944.6	1896.3
102.5°	247.4	333.8	420.1	441.7	950.7	1629.4	1968.8	2069.6	2271.3	2422.6	2381.3
105°	319.9	393.1	466.2	484.5	977.4	1634.6	1963.2	2189.3	2641.5	2980.6	2958.4
107.5°	394.3	462.5	530.7	547.8	982.4	1561.9	1851.6	2167.0	2797.7	3270.7	3276.1
110°	444.5	506.1	567.7	583.1	974.9	1497.4	1758.6	2111.2	2816.3	3345.1	3368.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	493.8	552.5	611.2	625.9	975.3	1441.1	1674.0	2034.8	2756.5	3297.7	3333.2
115°	568.2	622.3	676.5	690.0	984.2	1376.5	1572.6	1920.2	2615.4	3136.8	3186.1
117.5°	641.7	690.9	740.0	752.3	1002.5	1336.0	1502.8	1816.5	2443.9	2914.5	2969.2
120°	684.5	730.8	777.0	788.6	1017.4	1322.4	1474.9	1761.5	2334.8	2764.8	2817.9
122.5°	726.3	773.0	819.7	831.4	1038.8	1315.3	1453.5	1711.6	2227.9	2615.1	2667.5
125°	790.5	833.1	875.7	886.3	1067.6	1309.4	1430.3	1649.6	2088.1	2417.0	2465.3
127.5°	842.6	885.6	928.6	939.3	1096.5	1306.0	1410.8	1599.1	1975.6	2258.0	2298.7
130°	870.5	916.8	963.0	974.6	1117.5	1308.0	1403.3	1570.9	1906.1	2157.5	2195.1
132.5°	899.3	945.6	991.8	1003.4	1134.5	1309.4	1396.8	1546.8	1846.9	2072.0	2105.7
135°	942.1	984.2	1026.4	1036.9	1153.2	1308.2	1385.7	1511.3	1762.6	1951.1	1980.1
137.5°	985.8	1027.5	1069.3	1079.7	1181.1	1316.2	1383.8	1490.0	1702.5	1861.8	1885.6
140°	1022.0	1060.4	1098.9	1108.5	1198.1	1317.6	1377.3	1469.1	1652.6	1790.2	1812.4
142.5°	1049.9	1085.5	1121.0	1129.9	1212.4	1322.3	1377.3	1457.9	1619.1	1740.0	1759.1
145°	1092.7	1123.7	1154.7	1162.5	1231.0	1322.3	1368.0	1433.9	1565.8	1664.7	1679.2
147.5°	1135.5	1165.7	1195.9	1203.4	1258.3	1331.4	1368.0	1419.9	1523.6	1601.4	1613.4
150°	1163.4	1190.7	1218.0	1224.8	1272.5	1336.2	1368.0	1411.8	1499.4	1565.1	1574.8
152.5°	1192.2	1212.9	1233.5	1238.7	1281.8	1339.3	1368.0	1405.4	1480.2	1536.3	1543.6
155°	1235.0	1250.3	1265.6	1269.4	1302.3	1346.1	1368.0	1397.8	1457.3	1501.9	1506.8
157.5°	1266.6	1281.5	1296.4	1300.1	1322.7	1352.9	1368.0	1391.1	1437.4	1472.1	1475.5
160°	1288.0	1299.6	1311.2	1314.1	1332.1	1356.0	1368.0	1387.8	1427.5	1457.3	1459.3
162.5°	1309.4	1318.1	1326.7	1328.9	1341.9	1359.3	1368.0	1384.7	1418.2	1443.3	1445.2
165°	1332.7	1340.5	1348.3	1350.3	1356.2	1364.1	1368.0	1380.0	1403.9	1421.9	1423.9
167.5°	1354.0	1357.7	1361.5	1362.4	1367.4	1374.0	1377.3	1385.1	1400.8	1412.6	1413.4
170°	1368.0	1371.7	1375.5	1376.4	1376.7	1377.1	1377.3	1385.1	1400.8	1412.6	1412.6
172.5°	1375.4	1376.2	1377.1	1377.3	1377.3	1377.3	1377.3	1383.5	1395.9	1405.2	1404.5
175°	1385.7	1385.7	1385.7	1385.7	1382.9	1379.2	1377.3	1381.2	1389.1	1395.0	1395.0
177.5°	1385.7	1385.7	1385.7	1385.7	1383.5	1380.6	1379.2	1382.3	1388.5	1393.1	1392.3
180°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3252.1	3243.1	3252.1	3246.1	3249.1	3240.1	3213.1	3204.1	3213.1	3222.1	3222.1
5°	3291.1	3285.1	3291.1	3291.1	3288.1	3282.1	3252.1	3246.1	3252.1	3255.1	3249.1
7.5°	3303.1	3294.1	3303.1	3297.1	3297.1	3291.1	3261.1	3255.1	3258.1	3267.1	3258.1
10°	3303.1	3294.1	3303.1	3300.1	3297.1	3291.1	3261.1	3249.1	3249.1	3258.1	3249.1
12.5°	3288.1	3282.1	3288.1	3282.1	3282.1	3276.1	3246.1	3234.1	3237.1	3240.1	3228.1
15°	3264.1	3255.1	3264.1	3258.1	3261.1	3252.1	3219.1	3207.1	3207.1	3213.1	3192.1
17.5°	3228.1	3216.1	3228.1	3225.1	3222.1	3216.1	3186.1	3174.1	3171.1	3174.1	3159.1
20°	3186.1	3177.1	3186.1	3183.1	3183.1	3171.1	3141.1	3126.1	3126.1	3126.1	3111.1
22.5°	3120.1	3111.1	3120.1	3126.1	3126.1	3123.1	3096.1	3075.1	3069.1	3069.1	3051.1
25°	3045.1	3036.1	3045.1	3045.1	3042.1	3045.1	3036.1	3024.1	3015.1	3006.1	2988.1
27.5°	2973.1	2967.1	2973.1	2967.1	2973.1	2964.1	2961.1	2958.1	2946.1	2937.1	2913.1
30°	2901.1	2895.1	2901.1	2895.1	2889.1	2883.1	2868.1	2862.1	2874.1	2868.1	2829.1
32.5°	2811.1	2805.1	2811.1	2811.1	2805.1	2805.1	2781.1	2772.1	2775.1	2793.1	2757.1
35°	2718.1	2709.1	2718.1	2715.1	2718.1	2709.1	2694.1	2691.1	2679.1	2700.1	2673.1
37.5°	2610.0	2601.0	2610.0	2610.0	2610.0	2616.0	2604.0	2595.0	2577.0	2604.0	2583.0
40°	2499.0	2487.0	2499.0	2496.0	2499.0	2505.0	2499.0	2493.0	2475.0	2496.0	2478.0
42.5°	2373.0	2370.0	2373.0	2376.0	2376.0	2388.0	2397.0	2385.0	2379.0	2364.0	2376.0
45°	2238.0	2232.0	2238.0	2244.0	2247.0	2253.0	2280.0	2280.0	2271.0	2247.0	2265.0
47.5°	2094.0	2079.0	2094.0	2112.0	2112.0	2121.0	2148.0	2169.0	2154.0	2124.0	2133.0
50°	1941.0	1944.0	1941.0	1953.0	1953.0	1986.0	2007.0	2028.0	2043.0	2007.0	1965.0
52.5°	1791.0	1788.0	1791.0	1800.0	1812.0	1827.0	1863.0	1884.0	1908.0	1887.0	1821.0
55°	1641.0	1647.0	1641.0	1644.0	1650.0	1659.0	1713.0	1734.0	1779.0	1752.0	1683.0
57.5°	1491.0	1482.0	1491.0	1497.0	1500.0	1509.0	1554.0	1593.0	1620.0	1623.0	1539.0
60°	1317.0	1305.0	1317.0	1344.0	1350.0	1356.0	1398.0	1434.0	1458.0	1467.0	1380.0
62.5°	1164.0	1143.0	1164.0	1182.0	1194.0	1209.0	1239.0	1293.0	1314.0	1317.0	1194.0
65°	1002.0	993.0	1002.0	1038.0	1041.0	1059.0	1092.0	1131.0	1176.0	1170.0	993.0
67.5°	855.0	855.0	855.0	879.0	897.0	906.0	948.0	966.0	1023.0	1029.0	828.0
70°	720.0	717.0	720.0	738.0	750.0	771.0	810.0	831.0	876.0	891.0	672.0
72.5°	591.0	588.0	591.0	606.0	618.0	636.0	669.0	693.0	732.0	750.0	522.0
75°	477.0	471.0	477.0	489.0	486.0	510.0	537.0	561.0	597.0	609.0	387.0
77.5°	366.0	366.0	366.0	378.0	378.0	402.0	414.0	444.0	465.0	483.0	285.0
80°	273.0	270.0	273.0	276.0	276.0	288.0	309.0	330.0	348.0	348.0	195.0
82.5°	192.0	186.0	192.0	192.0	192.0	198.0	210.0	216.0	228.0	237.0	123.0
85°	120.0	120.0	120.0	123.0	120.0	126.0	129.0	135.0	135.0	129.0	75.0
87.5°	78.0	75.0	78.0	75.0	75.0	72.0	72.0	72.0	69.0	66.0	42.0
90°	35.3	35.3	35.3	35.3	35.3	47.1	62.8	70.7	60.8	40.9	26.0
92.5°	141.6	113.5	141.6	169.7	176.7	250.5	348.8	398.0	349.4	252.3	179.5
95°	493.4	408.3	493.4	578.5	599.8	787.7	1038.2	1163.4	982.6	620.9	349.7
97.5°	1182.2	1020.2	1182.2	1344.2	1384.7	1503.4	1661.7	1740.9	1439.4	836.4	384.1
100°	1703.3	1510.3	1703.3	1896.3	1944.6	1935.9	1924.3	1918.5	1583.9	914.8	412.9
102.5°	2215.9	2050.6	2215.9	2381.3	2422.6	2271.3	2069.6	1968.8	1629.4	950.7	441.7
105°	2869.5	2780.6	2869.5	2958.4	2980.6	2641.5	2189.3	1963.2	1634.6	977.4	484.5
107.5°	3297.6	3319.1	3297.6	3276.1	3270.7	2797.7	2167.0	1851.6	1561.9	982.4	547.8
110°	3460.8	3553.4	3460.8	3368.2	3345.1	2816.3	2111.2	1758.6	1497.4	974.9	583.1





TEST NUMBER: P934713

CATALOG NUMBER: SQ4-FA-075U-075D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3475.4	3617.6	3475.4	3333.2	3297.7	2756.5	2034.8	1674.0	1441.1	975.3	625.9
115°	3383.2	3580.4	3383.2	3186.1	3136.8	2615.4	1920.2	1572.6	1376.5	984.2	690.0
117.5°	3187.8	3406.5	3187.8	2969.2	2914.5	2443.9	1816.5	1502.8	1336.0	1002.5	752.3
120°	3030.4	3242.8	3030.4	2817.9	2764.8	2334.8	1761.5	1474.9	1322.4	1017.4	788.6
122.5°	2877.0	3086.6	2877.0	2667.5	2615.1	2227.9	1711.6	1453.5	1315.3	1038.8	831.4
125°	2658.3	2851.3	2658.3	2465.3	2417.0	2088.1	1649.6	1430.3	1309.4	1067.6	886.3
127.5°	2461.6	2624.4	2461.6	2298.7	2258.0	1975.6	1599.1	1410.8	1306.0	1096.5	939.3
130°	2345.6	2496.1	2345.6	2195.1	2157.5	1906.1	1570.9	1403.3	1308.0	1117.5	974.6
132.5°	2240.4	2375.2	2240.4	2105.7	2072.0	1846.9	1546.8	1396.8	1309.4	1134.5	1003.4
135°	2096.3	2212.4	2096.3	1980.1	1951.1	1762.6	1511.3	1385.7	1308.2	1153.2	1036.9
137.5°	1980.6	2075.7	1980.6	1885.6	1861.8	1702.5	1490.0	1383.8	1316.2	1181.1	1079.7
140°	1901.3	1990.1	1901.3	1812.4	1790.2	1652.6	1469.1	1377.3	1317.6	1198.1	1108.5
142.5°	1835.6	1912.0	1835.6	1759.1	1740.0	1619.1	1457.9	1377.3	1322.3	1212.4	1129.9
145°	1737.0	1794.8	1737.0	1679.2	1664.7	1565.8	1433.9	1368.0	1322.3	1231.0	1162.5
147.5°	1661.3	1709.3	1661.3	1613.4	1601.4	1523.6	1419.9	1368.0	1331.4	1258.3	1203.4
150°	1613.7	1652.6	1613.7	1574.8	1565.1	1499.4	1411.8	1368.0	1336.2	1272.5	1224.8
152.5°	1573.0	1602.3	1573.0	1543.6	1536.3	1480.2	1405.4	1368.0	1339.3	1281.8	1238.7
155°	1526.2	1545.6	1526.2	1506.8	1501.9	1457.3	1397.8	1368.0	1346.1	1302.3	1269.4
157.5°	1489.2	1502.8	1489.2	1475.5	1472.1	1437.4	1391.1	1368.0	1352.9	1322.7	1300.1
160°	1467.1	1474.9	1467.1	1459.3	1457.3	1427.5	1387.8	1368.0	1356.0	1332.1	1314.1
162.5°	1452.6	1460.1	1452.6	1445.2	1443.3	1418.2	1384.7	1368.0	1359.3	1341.9	1328.9
165°	1431.7	1439.6	1431.7	1423.9	1421.9	1403.9	1380.0	1368.0	1364.1	1356.2	1350.3
167.5°	1416.8	1420.1	1416.8	1413.4	1412.6	1400.8	1385.1	1377.3	1374.0	1367.4	1362.4
170°	1412.6	1412.6	1412.6	1412.6	1412.6	1400.8	1385.1	1377.3	1377.1	1376.7	1376.4
172.5°	1401.6	1398.7	1401.6	1404.5	1405.2	1395.9	1383.5	1377.3	1377.3	1377.3	1377.3
175°	1395.0	1395.0	1395.0	1395.0	1395.0	1389.1	1381.2	1377.3	1379.2	1382.9	1385.7
177.5°	1389.0	1385.7	1389.0	1392.3	1393.1	1388.5	1382.3	1379.2	1380.6	1383.5	1385.7
180°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7



TEST NUMBER: P934713

CATALOG NUMBER: SQ4-FA-075U-075D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3216.1	3198.1	3198.1	3168.1	3156.1	3147.1	3132.1	3087.1	3075.1	3063.1	3081.1
5°	3243.1	3210.1	3186.1	3132.1	3087.1	3069.1	3012.1	2904.1	2832.1	2778.1	2748.1
7.5°	3249.1	3207.1	3162.1	3078.1	2970.1	2922.1	2748.1	2550.0	2496.0	2448.0	2418.0
10°	3243.1	3195.1	3132.1	3006.1	2751.1	2667.1	2493.0	2364.0	2331.0	2322.0	2331.0
12.5°	3222.1	3177.1	3090.1	2880.1	2523.0	2466.0	2364.0	2289.0	2283.0	2298.0	2379.0
15°	3186.1	3144.1	3042.1	2712.1	2397.0	2355.0	2283.0	2256.0	2289.0	2394.0	2637.0
17.5°	3150.1	3102.1	2976.1	2547.0	2301.0	2271.0	2220.0	2274.0	2460.0	2601.0	2682.1
20°	3102.1	3045.1	2901.1	2427.0	2232.0	2205.0	2181.0	2424.0	2565.0	2616.0	2661.1
22.5°	3045.1	2985.1	2799.1	2343.0	2160.0	2139.0	2154.0	2508.0	2565.0	2601.0	2640.0
25°	2970.1	2919.1	2679.1	2277.0	2103.0	2079.0	2136.0	2499.0	2532.0	2541.0	2619.0
27.5°	2901.1	2835.1	2553.0	2217.0	2034.0	2025.0	2151.0	2460.0	2484.0	2493.0	2577.0
30°	2817.1	2718.1	2412.0	2154.0	1962.0	1959.0	2154.0	2412.0	2406.0	2430.0	2514.0
32.5°	2730.1	2544.0	2253.0	2076.0	1893.0	1890.0	2133.0	2340.0	2334.0	2367.0	2430.0
35°	2649.1	2409.0	2037.0	1986.0	1806.0	1809.0	2082.0	2256.0	2259.0	2289.0	2328.0
37.5°	2565.0	2292.0	1800.0	1887.0	1722.0	1722.0	2013.0	2178.0	2172.0	2181.0	2235.0
40°	2466.0	2109.0	1590.0	1758.0	1644.0	1635.0	1929.0	2094.0	2073.0	2070.0	2145.0
42.5°	2361.0	1908.0	1434.0	1587.0	1554.0	1542.0	1827.0	1992.0	1953.0	1962.0	2058.0
45°	2247.0	1854.0	1314.0	1341.0	1461.0	1452.0	1716.0	1875.0	1848.0	1872.0	1971.0
47.5°	2133.0	1746.0	1275.0	1113.0	1362.0	1359.0	1593.0	1761.0	1746.0	1770.0	1875.0
50°	1977.0	1626.0	1272.0	954.0	1251.0	1263.0	1446.0	1650.0	1650.0	1671.0	1782.0
52.5°	1776.0	1479.0	1155.0	864.0	1122.0	1158.0	1317.0	1554.0	1560.0	1581.0	1680.0
55°	1593.0	1326.0	1071.0	795.0	969.0	1047.0	1191.0	1455.0	1467.0	1488.0	1578.0
57.5°	1425.0	1104.0	1053.0	714.0	828.0	903.0	1080.0	1359.0	1365.0	1383.0	1470.0
60°	1245.0	798.0	966.0	627.0	705.0	762.0	978.0	1245.0	1266.0	1278.0	1353.0
62.5°	1041.0	579.0	876.0	567.0	645.0	657.0	894.0	1137.0	1164.0	1173.0	1218.0
65°	741.0	486.0	744.0	516.0	582.0	585.0	804.0	1026.0	1050.0	1065.0	1098.0
67.5°	501.0	396.0	567.0	468.0	534.0	537.0	717.0	897.0	930.0	942.0	963.0
70°	348.0	264.0	420.0	417.0	480.0	486.0	624.0	780.0	810.0	819.0	831.0
72.5°	255.0	213.0	348.0	375.0	423.0	429.0	528.0	648.0	678.0	687.0	693.0
75°	195.0	225.0	282.0	327.0	360.0	363.0	432.0	528.0	549.0	555.0	558.0
77.5°	156.0	210.0	207.0	264.0	294.0	288.0	339.0	408.0	426.0	426.0	426.0
80°	117.0	165.0	156.0	189.0	216.0	210.0	243.0	291.0	297.0	303.0	300.0
82.5°	87.0	105.0	105.0	120.0	144.0	138.0	162.0	189.0	189.0	189.0	195.0
85°	54.0	60.0	48.0	63.0	81.0	78.0	90.0	102.0	105.0	105.0	99.0
87.5°	33.0	27.0	15.0	24.0	36.0	36.0	42.0	45.0	42.0	42.0	42.0
90°	24.1	16.7	9.3	16.7	24.1	26.0	40.9	60.8	70.7	62.8	47.1
92.5°	163.7	100.4	37.2	100.4	163.7	179.5	252.3	349.4	398.0	348.8	250.5
95°	320.8	205.0	89.3	205.0	320.8	349.7	620.9	982.6	1163.4	1038.2	787.7
97.5°	358.6	256.5	154.4	256.5	358.6	384.1	836.4	1439.4	1740.9	1661.7	1503.4
100°	389.8	297.2	204.6	297.2	389.8	412.9	914.8	1583.9	1918.5	1924.3	1935.9
102.5°	420.1	333.8	247.4	333.8	420.1	441.7	950.7	1629.4	1968.8	2069.6	2271.3
105°	466.2	393.1	319.9	393.1	466.2	484.5	977.4	1634.6	1963.2	2189.3	2641.5
107.5°	530.7	462.5	394.3	462.5	530.7	547.8	982.4	1561.9	1851.6	2167.0	2797.7
110°	567.7	506.1	444.5	506.1	567.7	583.1	974.9	1497.4	1758.6	2111.2	2816.3



TEST NUMBER: P934713

CATALOG NUMBER: SQ4-FA-075U-075D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	611.2	552.5	493.8	552.5	611.2	625.9	975.3	1441.1	1674.0	2034.8	2756.5
115°	676.5	622.3	568.2	622.3	676.5	690.0	984.2	1376.5	1572.6	1920.2	2615.4
117.5°	740.0	690.9	641.7	690.9	740.0	752.3	1002.5	1336.0	1502.8	1816.5	2443.9
120°	777.0	730.8	684.5	730.8	777.0	788.6	1017.4	1322.4	1474.9	1761.5	2334.8
122.5°	819.7	773.0	726.3	773.0	819.7	831.4	1038.8	1315.3	1453.5	1711.6	2227.9
125°	875.7	833.1	790.5	833.1	875.7	886.3	1067.6	1309.4	1430.3	1649.6	2088.1
127.5°	928.6	885.6	842.6	885.6	928.6	939.3	1096.5	1306.0	1410.8	1599.1	1975.6
130°	963.0	916.8	870.5	916.8	963.0	974.6	1117.5	1308.0	1403.3	1570.9	1906.1
132.5°	991.8	945.6	899.3	945.6	991.8	1003.4	1134.5	1309.4	1396.8	1546.8	1846.9
135°	1026.4	984.2	942.1	984.2	1026.4	1036.9	1153.2	1308.2	1385.7	1511.3	1762.6
137.5°	1069.3	1027.5	985.8	1027.5	1069.3	1079.7	1181.1	1316.2	1383.8	1490.0	1702.5
140°	1098.9	1060.4	1022.0	1060.4	1098.9	1108.5	1198.1	1317.6	1377.3	1469.1	1652.6
142.5°	1121.0	1085.5	1049.9	1085.5	1121.0	1129.9	1212.4	1322.3	1377.3	1457.9	1619.1
145°	1154.7	1123.7	1092.7	1123.7	1154.7	1162.5	1231.0	1322.3	1368.0	1433.9	1565.8
147.5°	1195.9	1165.7	1135.5	1165.7	1195.9	1203.4	1258.3	1331.4	1368.0	1419.9	1523.6
150°	1218.0	1190.7	1163.4	1190.7	1218.0	1224.8	1272.5	1336.2	1368.0	1411.8	1499.4
152.5°	1233.5	1212.9	1192.2	1212.9	1233.5	1238.7	1281.8	1339.3	1368.0	1405.4	1480.2
155°	1265.6	1250.3	1235.0	1250.3	1265.6	1269.4	1302.3	1346.1	1368.0	1397.8	1457.3
157.5°	1296.4	1281.5	1266.6	1281.5	1296.4	1300.1	1322.7	1352.9	1368.0	1391.1	1437.4
160°	1311.2	1299.6	1288.0	1299.6	1311.2	1314.1	1332.1	1356.0	1368.0	1387.8	1427.5
162.5°	1326.7	1318.1	1309.4	1318.1	1326.7	1328.9	1341.9	1359.3	1368.0	1384.7	1418.2
165°	1348.3	1340.5	1332.7	1340.5	1348.3	1350.3	1356.2	1364.1	1368.0	1380.0	1403.9
167.5°	1361.5	1357.7	1354.0	1357.7	1361.5	1362.4	1367.4	1374.0	1377.3	1385.1	1400.8
170°	1375.5	1371.7	1368.0	1371.7	1375.5	1376.4	1376.7	1377.1	1377.3	1385.1	1400.8
172.5°	1377.1	1376.2	1375.4	1376.2	1377.1	1377.3	1377.3	1377.3	1377.3	1383.5	1395.9
175°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1382.9	1379.2	1377.3	1381.2	1389.1
177.5°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1383.5	1380.6	1379.2	1382.3	1388.5
180°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7



TEST NUMBER: P934713

CATALOG NUMBER: SQ4-FA-075U-075D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3060.1	3051.1	3063.1	3030.1	3063.1	3051.1	3060.1	3081.1	3063.1	3075.1	3087.1
5°	2685.1	2670.1	2622.0	2583.0	2622.0	2670.1	2685.1	2748.1	2778.1	2832.1	2904.1
7.5°	2400.0	2388.0	2376.0	2352.0	2376.0	2388.0	2400.0	2418.0	2448.0	2496.0	2550.0
10°	2337.0	2340.0	2358.0	2355.0	2358.0	2340.0	2337.0	2331.0	2322.0	2331.0	2364.0
12.5°	2499.0	2526.0	2625.0	2619.0	2625.0	2526.0	2499.0	2379.0	2298.0	2283.0	2289.0
15°	2685.1	2694.1	2715.1	2718.1	2715.1	2694.1	2685.1	2637.0	2394.0	2289.0	2256.0
17.5°	2703.1	2706.1	2721.1	2721.1	2721.1	2706.1	2703.1	2682.1	2601.0	2460.0	2274.0
20°	2688.1	2694.1	2724.1	2730.1	2724.1	2694.1	2688.1	2661.1	2616.0	2565.0	2424.0
22.5°	2682.1	2694.1	2718.1	2715.1	2718.1	2694.1	2682.1	2640.0	2601.0	2565.0	2508.0
25°	2652.1	2652.1	2655.1	2658.1	2655.1	2652.1	2652.1	2619.0	2541.0	2532.0	2499.0
27.5°	2589.0	2595.0	2613.0	2610.0	2613.0	2595.0	2589.0	2577.0	2493.0	2484.0	2460.0
30°	2532.0	2526.0	2511.0	2499.0	2511.0	2526.0	2532.0	2514.0	2430.0	2406.0	2412.0
32.5°	2436.0	2421.0	2406.0	2397.0	2406.0	2421.0	2436.0	2430.0	2367.0	2334.0	2340.0
35°	2322.0	2325.0	2322.0	2313.0	2322.0	2325.0	2322.0	2328.0	2289.0	2259.0	2256.0
37.5°	2241.0	2247.0	2244.0	2232.0	2244.0	2247.0	2241.0	2235.0	2181.0	2172.0	2178.0
40°	2157.0	2160.0	2157.0	2148.0	2157.0	2160.0	2157.0	2145.0	2070.0	2073.0	2094.0
42.5°	2076.0	2073.0	2064.0	2058.0	2064.0	2073.0	2076.0	2058.0	1962.0	1953.0	1992.0
45°	1983.0	1986.0	1968.0	1959.0	1968.0	1986.0	1983.0	1971.0	1872.0	1848.0	1875.0
47.5°	1890.0	1890.0	1875.0	1866.0	1875.0	1890.0	1890.0	1875.0	1770.0	1746.0	1761.0
50°	1791.0	1788.0	1767.0	1764.0	1767.0	1788.0	1791.0	1782.0	1671.0	1650.0	1650.0
52.5°	1677.0	1677.0	1680.0	1686.0	1680.0	1677.0	1677.0	1680.0	1581.0	1560.0	1554.0
55°	1578.0	1581.0	1602.0	1608.0	1602.0	1581.0	1578.0	1578.0	1488.0	1467.0	1455.0
57.5°	1476.0	1476.0	1491.0	1491.0	1491.0	1476.0	1476.0	1470.0	1383.0	1365.0	1359.0
60°	1359.0	1365.0	1377.0	1374.0	1377.0	1365.0	1359.0	1353.0	1278.0	1266.0	1245.0
62.5°	1236.0	1242.0	1245.0	1239.0	1245.0	1242.0	1236.0	1218.0	1173.0	1164.0	1137.0
65°	1107.0	1113.0	1116.0	1110.0	1116.0	1113.0	1107.0	1098.0	1065.0	1050.0	1026.0
67.5°	975.0	972.0	969.0	981.0	969.0	972.0	975.0	963.0	942.0	930.0	897.0
70°	840.0	840.0	837.0	843.0	837.0	840.0	840.0	831.0	819.0	810.0	780.0
72.5°	696.0	693.0	705.0	696.0	705.0	693.0	696.0	693.0	687.0	678.0	648.0
75°	555.0	561.0	555.0	564.0	555.0	561.0	555.0	558.0	555.0	549.0	528.0
77.5°	423.0	429.0	423.0	423.0	423.0	429.0	423.0	426.0	426.0	426.0	408.0
80°	300.0	297.0	297.0	294.0	297.0	297.0	300.0	300.0	303.0	297.0	291.0
82.5°	192.0	189.0	189.0	195.0	189.0	189.0	192.0	195.0	189.0	189.0	189.0
85°	105.0	108.0	102.0	102.0	102.0	108.0	105.0	99.0	105.0	105.0	102.0
87.5°	39.0	36.0	36.0	36.0	36.0	36.0	39.0	42.0	42.0	42.0	45.0
90°	35.3	35.3	35.3	35.3	35.3	35.3	35.3	47.1	62.8	70.7	60.8
92.5°	176.7	169.7	141.6	113.5	141.6	169.7	176.7	250.5	348.8	398.0	349.4
95°	599.8	578.5	493.4	408.3	493.4	578.5	599.8	787.7	1038.2	1163.4	982.6
97.5°	1384.7	1344.2	1182.2	1020.2	1182.2	1344.2	1384.7	1503.4	1661.7	1740.9	1439.4
100°	1944.6	1896.3	1703.3	1510.3	1703.3	1896.3	1944.6	1935.9	1924.3	1918.5	1583.9
102.5°	2422.6	2381.3	2215.9	2050.6	2215.9	2381.3	2422.6	2271.3	2069.6	1968.8	1629.4
105°	2980.6	2958.4	2869.5	2780.6	2869.5	2958.4	2980.6	2641.5	2189.3	1963.2	1634.6
107.5°	3270.7	3276.1	3297.6	3319.1	3297.6	3276.1	3270.7	2797.7	2167.0	1851.6	1561.9
110°	3345.1	3368.2	3460.8	3553.4	3460.8	3368.2	3345.1	2816.3	2111.2	1758.6	1497.4



TEST NUMBER: P934713

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3297.7	3333.2	3475.4	3617.6	3475.4	3333.2	3297.7	2756.5	2034.8	1674.0	1441.1
115°	3136.8	3186.1	3383.2	3580.4	3383.2	3186.1	3136.8	2615.4	1920.2	1572.6	1376.5
117.5°	2914.5	2969.2	3187.8	3406.5	3187.8	2969.2	2914.5	2443.9	1816.5	1502.8	1336.0
120°	2764.8	2817.9	3030.4	3242.8	3030.4	2817.9	2764.8	2334.8	1761.5	1474.9	1322.4
122.5°	2615.1	2667.5	2877.0	3086.6	2877.0	2667.5	2615.1	2227.9	1711.6	1453.5	1315.3
125°	2417.0	2465.3	2658.3	2851.3	2658.3	2465.3	2417.0	2088.1	1649.6	1430.3	1309.4
127.5°	2258.0	2298.7	2461.6	2624.4	2461.6	2298.7	2258.0	1975.6	1599.1	1410.8	1306.0
130°	2157.5	2195.1	2345.6	2496.1	2345.6	2195.1	2157.5	1906.1	1570.9	1403.3	1308.0
132.5°	2072.0	2105.7	2240.4	2375.2	2240.4	2105.7	2072.0	1846.9	1546.8	1396.8	1309.4
135°	1951.1	1980.1	2096.3	2212.4	2096.3	1980.1	1951.1	1762.6	1511.3	1385.7	1308.2
137.5°	1861.8	1885.6	1980.6	2075.7	1980.6	1885.6	1861.8	1702.5	1490.0	1383.8	1316.2
140°	1790.2	1812.4	1901.3	1990.1	1901.3	1812.4	1790.2	1652.6	1469.1	1377.3	1317.6
142.5°	1740.0	1759.1	1835.6	1912.0	1835.6	1759.1	1740.0	1619.1	1457.9	1377.3	1322.3
145°	1664.7	1679.2	1737.0	1794.8	1737.0	1679.2	1664.7	1565.8	1433.9	1368.0	1322.3
147.5°	1601.4	1613.4	1661.3	1709.3	1661.3	1613.4	1601.4	1523.6	1419.9	1368.0	1331.4
150°	1565.1	1574.8	1613.7	1652.6	1613.7	1574.8	1565.1	1499.4	1411.8	1368.0	1336.2
152.5°	1536.3	1543.6	1573.0	1602.3	1573.0	1543.6	1536.3	1480.2	1405.4	1368.0	1339.3
155°	1501.9	1506.8	1526.2	1545.6	1526.2	1506.8	1501.9	1457.3	1397.8	1368.0	1346.1
157.5°	1472.1	1475.5	1489.2	1502.8	1489.2	1475.5	1472.1	1437.4	1391.1	1368.0	1352.9
160°	1457.3	1459.3	1467.1	1474.9	1467.1	1459.3	1457.3	1427.5	1387.8	1368.0	1356.0
162.5°	1443.3	1445.2	1452.6	1460.1	1452.6	1445.2	1443.3	1418.2	1384.7	1368.0	1359.3
165°	1421.9	1423.9	1431.7	1439.6	1431.7	1423.9	1421.9	1403.9	1380.0	1368.0	1364.1
167.5°	1412.6	1413.4	1416.8	1420.1	1416.8	1413.4	1412.6	1400.8	1385.1	1377.3	1374.0
170°	1412.6	1412.6	1412.6	1412.6	1412.6	1412.6	1412.6	1400.8	1385.1	1377.3	1377.1
172.5°	1405.2	1404.5	1401.6	1398.7	1401.6	1404.5	1405.2	1395.9	1383.5	1377.3	1377.3
175°	1395.0	1395.0	1395.0	1395.0	1395.0	1395.0	1395.0	1389.1	1381.2	1377.3	1379.2
177.5°	1393.1	1392.3	1389.0	1385.7	1389.0	1392.3	1393.1	1388.5	1382.3	1379.2	1380.6
180°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7



TEST NUMBER: P934713

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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3171.1	3171.1	3171.1	3171.1	3171.1
2.5°	3132.1	3147.1	3156.1	3168.1	3198.1
5°	3012.1	3069.1	3087.1	3132.1	3186.1
7.5°	2748.1	2922.1	2970.1	3078.1	3162.1
10°	2493.0	2667.1	2751.1	3006.1	3132.1
12.5°	2364.0	2466.0	2523.0	2880.1	3090.1
15°	2283.0	2355.0	2397.0	2712.1	3042.1
17.5°	2220.0	2271.0	2301.0	2547.0	2976.1
20°	2181.0	2205.0	2232.0	2427.0	2901.1
22.5°	2154.0	2139.0	2160.0	2343.0	2799.1
25°	2136.0	2079.0	2103.0	2277.0	2679.1
27.5°	2151.0	2025.0	2034.0	2217.0	2553.0
30°	2154.0	1959.0	1962.0	2154.0	2412.0
32.5°	2133.0	1890.0	1893.0	2076.0	2253.0
35°	2082.0	1809.0	1806.0	1986.0	2037.0
37.5°	2013.0	1722.0	1722.0	1887.0	1800.0
40°	1929.0	1635.0	1644.0	1758.0	1590.0
42.5°	1827.0	1542.0	1554.0	1587.0	1434.0
45°	1716.0	1452.0	1461.0	1341.0	1314.0
47.5°	1593.0	1359.0	1362.0	1113.0	1275.0
50°	1446.0	1263.0	1251.0	954.0	1272.0
52.5°	1317.0	1158.0	1122.0	864.0	1155.0
55°	1191.0	1047.0	969.0	795.0	1071.0
57.5°	1080.0	903.0	828.0	714.0	1053.0
60°	978.0	762.0	705.0	627.0	966.0
62.5°	894.0	657.0	645.0	567.0	876.0
65°	804.0	585.0	582.0	516.0	744.0
67.5°	717.0	537.0	534.0	468.0	567.0
70°	624.0	486.0	480.0	417.0	420.0
72.5°	528.0	429.0	423.0	375.0	348.0
75°	432.0	363.0	360.0	327.0	282.0
77.5°	339.0	288.0	294.0	264.0	207.0
80°	243.0	210.0	216.0	189.0	156.0
82.5°	162.0	138.0	144.0	120.0	105.0
85°	90.0	78.0	81.0	63.0	48.0
87.5°	42.0	36.0	36.0	24.0	15.0
90°	40.9	26.0	24.1	16.7	9.3
92.5°	252.3	179.5	163.7	100.4	37.2
95°	620.9	349.7	320.8	205.0	89.3
97.5°	836.4	384.1	358.6	256.5	154.4
100°	914.8	412.9	389.8	297.2	204.6
102.5°	950.7	441.7	420.1	333.8	247.4
105°	977.4	484.5	466.2	393.1	319.9
107.5°	982.4	547.8	530.7	462.5	394.3
110°	974.9	583.1	567.7	506.1	444.5



TEST NUMBER: P934713  
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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	975.3	625.9	611.2	552.5	493.8
115°	984.2	690.0	676.5	622.3	568.2
117.5°	1002.5	752.3	740.0	690.9	641.7
120°	1017.4	788.6	777.0	730.8	684.5
122.5°	1038.8	831.4	819.7	773.0	726.3
125°	1067.6	886.3	875.7	833.1	790.5
127.5°	1096.5	939.3	928.6	885.6	842.6
130°	1117.5	974.6	963.0	916.8	870.5
132.5°	1134.5	1003.4	991.8	945.6	899.3
135°	1153.2	1036.9	1026.4	984.2	942.1
137.5°	1181.1	1079.7	1069.3	1027.5	985.8
140°	1198.1	1108.5	1098.9	1060.4	1022.0
142.5°	1212.4	1129.9	1121.0	1085.5	1049.9
145°	1231.0	1162.5	1154.7	1123.7	1092.7
147.5°	1258.3	1203.4	1195.9	1165.7	1135.5
150°	1272.5	1224.8	1218.0	1190.7	1163.4
152.5°	1281.8	1238.7	1233.5	1212.9	1192.2
155°	1302.3	1269.4	1265.6	1250.3	1235.0
157.5°	1322.7	1300.1	1296.4	1281.5	1266.6
160°	1332.1	1314.1	1311.2	1299.6	1288.0
162.5°	1341.9	1328.9	1326.7	1318.1	1309.4
165°	1356.2	1350.3	1348.3	1340.5	1332.7
167.5°	1367.4	1362.4	1361.5	1357.7	1354.0
170°	1376.7	1376.4	1375.5	1371.7	1368.0
172.5°	1377.3	1377.3	1377.1	1376.2	1375.4
175°	1382.9	1385.7	1385.7	1385.7	1385.7
177.5°	1383.5	1385.7	1385.7	1385.7	1385.7
180°	1385.7	1385.7	1385.7	1385.7	1385.7



TEST NUMBER: P934713  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.54	13.38	13.51	14.37	15.67	15.39	16.23	16.36	17.22	18.52
	3H	13.01	13.77	14.00	14.77	16.09	16.74	17.49	17.73	18.49	19.82
	4H	13.20	13.92	14.20	14.92	16.25	17.19	17.90	18.19	18.90	20.24
	6H	13.32	13.98	14.33	14.99	16.33	17.48	18.13	18.49	19.14	20.49
	8H	13.32	13.95	14.34	14.97	16.31	17.55	18.18	18.57	19.20	20.54
	12H	13.29	13.89	14.31	14.90	16.27	17.60	18.19	18.62	19.21	20.57
4H	2H	13.57	14.29	14.58	15.29	16.62	15.80	16.51	16.80	17.51	18.84
	3H	14.60	15.19	15.61	16.22	17.57	17.31	17.90	18.32	18.93	20.28
	4H	14.87	15.42	15.90	16.44	17.81	17.84	18.38	18.86	19.40	20.77
	6H	15.00	15.47	16.03	16.51	17.88	18.21	18.68	19.24	19.72	21.09
	8H	15.00	15.44	16.04	16.48	17.86	18.32	18.75	19.35	19.79	21.17
	12H	14.97	15.36	16.02	16.42	17.80	18.38	18.77	19.43	19.83	21.21
8H	4H	15.33	15.77	16.36	16.81	18.19	17.96	18.40	18.99	19.44	20.82
	6H	15.59	15.95	16.65	17.03	18.41	18.40	18.76	19.46	19.84	21.22
	8H	15.63	15.95	16.70	17.02	18.41	18.56	18.87	19.62	19.94	21.34
	12H	15.62	15.90	16.69	16.96	18.39	18.66	18.94	19.73	20.00	21.44
12H	4H	15.34	15.73	16.39	16.78	18.17	17.92	18.32	18.98	19.37	20.76
	6H	15.65	15.97	16.72	17.04	18.43	18.40	18.72	19.46	19.78	21.18
	8H	15.72	16.00	16.79	17.06	18.50	18.56	18.84	19.63	19.90	21.34