

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: P935251

Luminaire Tested: SQ4-FA-100U-100D-930-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

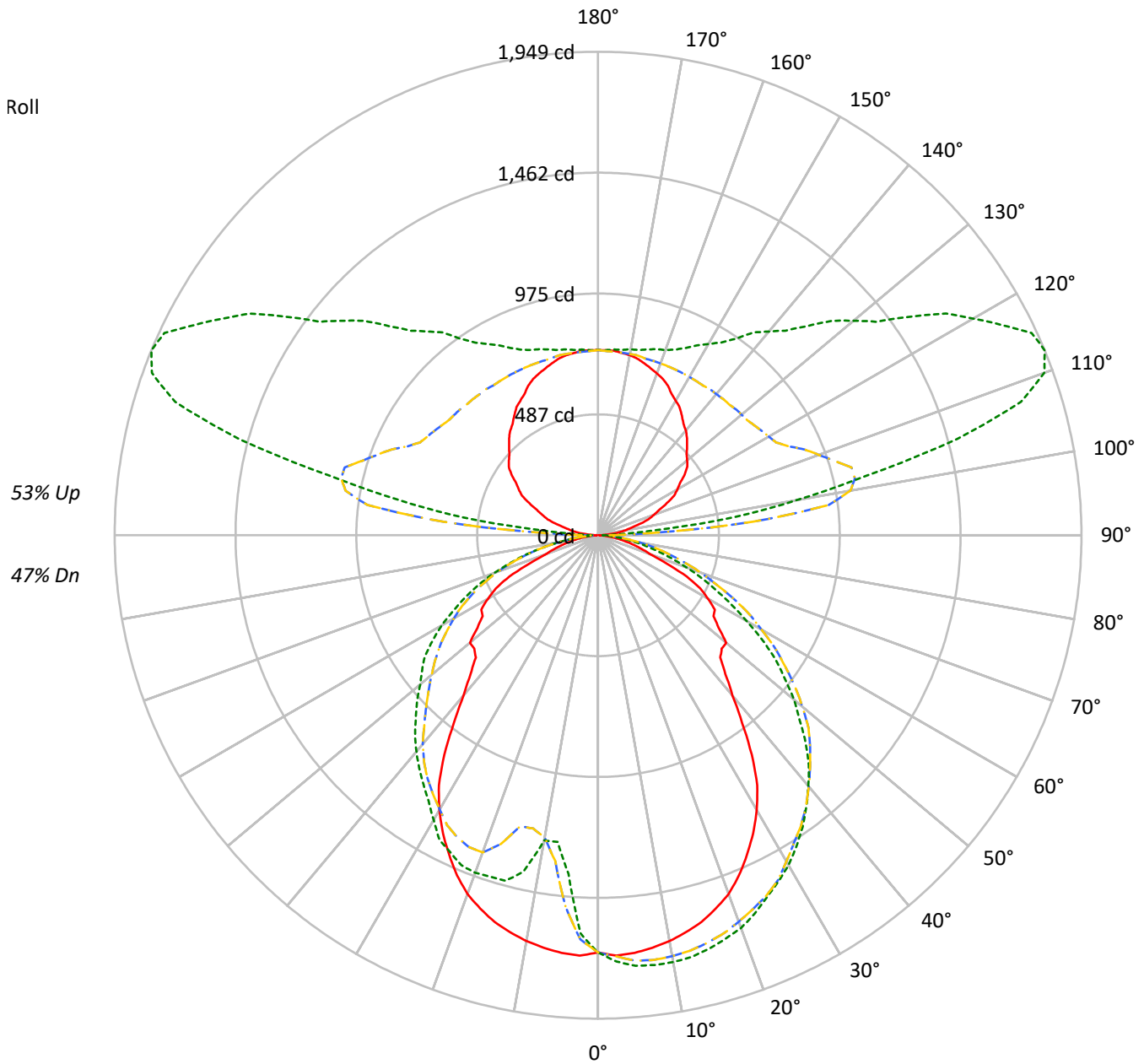
Test Method: LM-79-2019  
Report Number: P935251  
REPORT IS A COMBINATION OF REPORTS P933747 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-930-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9203.2 lumens  
Efficiency: N/A  
Efficacy: 105.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 87  
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

TEST NUMBER: P935251  
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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	67	67	67	54	54	54	47	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	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°	10405	10405	10405	10405
5°	10479	10503	10479	8259
10°	10405	10346	10405	7397
15°	10288	10122	10288	8452
20°	10069	9857	10069	8469
25°	9624	9469	9624	8290
30°	9052	9148	9052	7896
35°	8066	8741	8066	7463
40°	6717	8262	6717	7136
45°	5998	7702	5998	6760
50°	6367	7033	6367	6382
55°	5985	6313	5985	6163
60°	6162	5362	6162	5645
65°	5578	4432	5578	4955
70°	3853	3532	3853	4153
75°	3366	2611	3366	3127
80°	2692	1727	2692	1879
85°	1520	915	1520	777

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 9198 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.8	1.6
10°-20°	431.1	4.7
20°-30°	666.4	7.2
30°-40°	795.5	8.6
40°-50°	800.2	8.7
50°-60°	696.3	7.6
60°-70°	493.7	5.4
70°-80°	261.2	2.8
80°-90°	67.9	0.7
90°-100°	363.9	4.0
100°-110°	956.7	10.4
110°-120°	991.9	10.8
120°-130°	795.7	8.6
130°-140°	624.3	6.8
140°-150°	479.2	5.2
150°-160°	345.1	3.7
160°-170°	211.1	2.3
170°-180°	71.3	0.8
0°-30°	1249.3	13.6
0°-40°	2044.8	22.2
0°-60°	3541.2	38.5
0°-90°	4363.9	47.4
90°-120°	2312.5	25.1
90°-150°	4211.7	45.8
90°-180°	4839.0	52.6
0°-180°	9203.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1682	1682	1682	1682	1682	
5°	1690	1742	1690	1370	1690	160
15°	1614	1726	1614	1442	1614	454
25°	1421	1610	1421	1410	1421	652
35°	1080	1437	1080	1227	1080	668
45°	697	1184	697	1039	697	558
55°	568	874	568	853	568	522
65°	395	527	395	589	395	377
75°	150	250	150	299	150	157
85°	26	64	26	54	26	34
90°	5	19	5	19	5	5
95°	48	220	48	220	48	53
105°	172	1498	172	1498	172	183
115°	306	1929	306	1929	306	302
125°	426	1536	426	1536	426	378
135°	508	1192	508	1192	508	393
145°	589	967	589	967	589	369
155°	665	833	665	833	665	306
165°	718	776	718	776	718	203
175°	746	752	746	752	746	71
180°	746	746	746	746	746	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1696.3	1696.3	1705.9	1709.0	1709.0	1704.3	1699.5	1704.3	1718.6	1723.4	1721.8
5°	1689.9	1702.7	1720.2	1723.4	1726.5	1724.9	1721.8	1724.9	1740.8	1744.0	1745.6
7.5°	1677.2	1701.1	1723.4	1728.1	1732.9	1728.1	1726.5	1729.7	1745.6	1748.9	1748.9
10°	1661.3	1694.7	1720.2	1723.4	1728.1	1723.4	1723.4	1729.7	1745.6	1748.9	1750.4
12.5°	1639.0	1685.2	1709.0	1712.2	1718.6	1717.0	1715.4	1721.8	1737.7	1740.8	1740.8
15°	1613.5	1667.7	1689.9	1693.1	1704.3	1701.1	1701.1	1707.4	1724.9	1729.7	1728.1
17.5°	1578.5	1645.3	1670.9	1675.6	1683.6	1682.0	1683.6	1689.9	1705.9	1709.0	1710.6
20°	1538.8	1615.2	1645.3	1650.2	1658.1	1658.1	1658.1	1666.1	1682.0	1688.4	1688.4
22.5°	1484.7	1583.4	1615.2	1618.4	1627.9	1627.9	1631.1	1642.2	1656.5	1658.1	1658.1
25°	1421.0	1548.3	1575.4	1584.9	1594.4	1599.3	1604.0	1610.4	1615.2	1613.5	1615.2
27.5°	1354.2	1503.8	1538.8	1545.1	1557.9	1562.6	1569.0	1570.6	1572.2	1576.9	1573.8
30°	1279.4	1441.7	1494.2	1500.6	1521.3	1524.4	1518.1	1521.3	1529.2	1532.4	1535.6
32.5°	1195.0	1349.4	1448.0	1462.4	1481.5	1471.9	1470.4	1475.1	1487.9	1487.9	1491.0
35°	1080.5	1277.8	1405.1	1417.9	1432.2	1421.0	1427.4	1428.9	1436.9	1441.7	1440.1
37.5°	954.8	1215.7	1360.5	1370.1	1381.2	1366.9	1376.4	1381.2	1387.6	1384.5	1384.5
40°	843.4	1118.7	1308.0	1314.4	1324.0	1312.8	1322.4	1325.5	1328.7	1325.5	1324.0
42.5°	760.6	1012.0	1252.4	1260.3	1254.0	1261.9	1265.0	1271.5	1266.7	1260.3	1260.3
45°	697.0	983.4	1191.9	1201.4	1191.9	1204.6	1209.4	1209.4	1195.0	1191.9	1190.3
47.5°	676.3	926.1	1131.4	1131.4	1126.6	1142.5	1150.5	1139.4	1125.0	1120.3	1120.3
50°	674.7	862.5	1048.6	1042.3	1064.5	1083.6	1075.7	1064.5	1053.5	1036.0	1036.0
52.5°	612.6	784.5	942.0	965.9	1000.9	1012.0	999.3	988.2	969.1	961.1	954.8
55°	568.1	703.3	845.0	892.7	929.3	943.6	919.8	908.6	880.0	875.2	872.1
57.5°	558.6	585.6	755.9	816.3	860.9	859.3	845.0	824.3	800.4	795.6	794.1
60°	512.4	423.3	660.4	732.0	778.1	773.4	760.6	741.6	719.2	716.1	712.9
62.5°	464.6	307.1	552.1	633.3	698.6	697.0	685.8	657.2	641.3	633.3	627.0
65°	394.7	257.8	393.1	526.7	620.6	623.8	599.9	579.2	561.7	552.1	550.6
67.5°	300.7	210.1	265.7	439.2	545.8	542.7	512.4	502.8	480.6	475.8	466.2
70°	222.8	140.0	184.6	356.5	472.6	464.6	440.8	429.7	409.0	397.8	391.5
72.5°	184.6	113.0	135.2	276.9	397.8	388.3	367.6	354.8	337.3	327.8	321.4
75°	149.6	119.3	103.4	205.2	323.0	316.7	297.6	284.8	270.5	257.8	259.4
77.5°	109.8	111.4	82.7	151.2	256.2	246.7	235.5	219.6	213.2	200.5	200.5
80°	82.7	87.5	62.1	103.4	184.6	184.6	175.1	163.9	152.7	146.4	146.4
82.5°	55.7	55.7	46.2	65.2	125.7	120.9	114.6	111.4	105.0	101.8	101.8
85°	25.5	31.8	28.7	39.7	68.4	71.6	71.6	68.4	66.8	63.7	65.2
87.5°	7.9	14.3	17.5	22.2	35.0	36.6	38.2	38.2	38.2	39.7	39.7
90°	5.0	9.0	13.0	14.1	22.1	32.8	38.1	33.8	25.4	19.0	19.0
92.5°	20.1	54.1	88.2	96.7	135.9	188.2	214.4	187.9	134.9	95.2	91.4
95°	48.1	110.4	172.8	188.4	334.5	529.3	626.7	559.3	424.3	323.1	311.6
97.5°	83.2	138.2	193.2	206.9	450.6	775.5	937.9	895.3	810.0	746.0	724.1
100°	110.3	160.1	210.0	222.4	492.8	853.3	1033.5	1036.7	1042.9	1047.6	1021.6
102.5°	133.3	179.9	226.4	238.0	512.2	877.8	1060.6	1115.0	1223.6	1305.1	1282.9
105°	172.3	211.8	251.2	261.1	526.6	880.7	1057.6	1179.4	1423.0	1605.7	1593.7
107.5°	212.4	249.2	285.9	295.1	529.3	841.4	997.5	1167.4	1507.2	1762.0	1764.9
110°	239.5	272.6	305.9	314.1	525.2	806.7	947.4	1137.3	1517.2	1802.1	1814.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	266.0	297.7	329.3	337.2	525.4	776.3	901.8	1096.2	1485.0	1776.6	1795.7
115°	306.1	335.3	364.4	371.7	530.2	741.5	847.2	1034.4	1409.0	1689.9	1716.5
117.5°	345.7	372.2	398.7	405.3	540.0	719.7	809.6	978.6	1316.6	1570.1	1599.6
120°	368.7	393.7	418.6	424.9	548.1	712.4	794.6	949.0	1257.8	1489.5	1518.1
122.5°	391.3	416.4	441.6	447.9	559.6	708.6	783.1	922.2	1200.2	1408.8	1437.0
125°	425.8	448.8	471.8	477.5	575.2	705.4	770.6	888.7	1124.9	1302.1	1328.2
127.5°	453.9	477.1	500.3	506.1	590.7	703.6	760.0	861.5	1064.3	1216.5	1238.4
130°	469.0	493.9	518.8	525.1	602.1	704.7	756.0	846.3	1026.9	1162.3	1182.6
132.5°	484.4	509.4	534.3	540.6	611.2	705.4	752.5	833.4	995.0	1116.3	1134.4
135°	507.5	530.2	552.9	558.6	621.3	704.7	746.5	814.2	949.5	1051.1	1066.8
137.5°	531.0	553.5	576.1	581.7	636.3	709.1	745.5	802.8	917.2	1003.0	1015.8
140°	550.6	571.3	592.1	597.2	645.5	709.8	742.0	791.4	890.3	964.4	976.4
142.5°	565.6	584.8	603.9	608.8	653.2	712.3	742.0	785.4	872.2	937.3	947.6
145°	588.7	605.4	622.1	626.3	663.2	712.4	737.0	772.5	843.6	896.8	904.6
147.5°	611.7	627.9	644.2	648.3	677.8	717.2	737.0	764.9	820.8	862.7	869.2
150°	626.7	641.4	656.1	659.8	685.5	719.8	737.0	760.6	807.7	843.2	848.4
152.5°	642.3	653.5	664.6	667.4	690.6	721.5	737.0	757.1	797.5	827.7	831.6
155°	665.4	673.6	681.7	683.8	701.6	725.2	737.0	753.1	785.1	809.1	811.8
157.5°	682.4	690.4	698.4	700.4	712.6	728.9	737.0	749.4	774.4	793.1	795.0
160°	693.9	700.1	706.4	707.9	717.6	730.6	737.0	747.7	769.0	785.1	786.1
162.5°	705.4	710.1	714.8	716.0	722.9	732.3	737.0	746.0	764.1	777.5	778.5
165°	718.0	722.1	726.4	727.4	730.6	734.9	737.0	743.4	756.3	766.1	767.1
167.5°	729.4	731.5	733.5	733.9	736.6	740.2	742.0	746.2	754.7	761.0	761.5
170°	737.0	739.0	741.0	741.5	741.7	741.9	742.0	746.2	754.7	761.0	761.0
172.5°	741.0	741.4	741.9	742.0	742.0	742.0	742.0	745.3	752.0	757.0	756.6
175°	746.5	746.5	746.5	746.5	744.9	742.9	742.0	744.1	748.3	751.5	751.5
177.5°	746.5	746.5	746.5	746.5	745.3	743.8	743.0	744.7	748.0	750.5	750.0
180°	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1724.9	1720.2	1724.9	1721.8	1723.4	1718.6	1704.3	1699.5	1704.3	1709.0	1709.0
5°	1745.6	1742.4	1745.6	1745.6	1744.0	1740.8	1724.9	1721.8	1724.9	1726.5	1723.4
7.5°	1752.0	1747.2	1752.0	1748.9	1748.9	1745.6	1729.7	1726.5	1728.1	1732.9	1728.1
10°	1752.0	1747.2	1752.0	1750.4	1748.9	1745.6	1729.7	1723.4	1723.4	1728.1	1723.4
12.5°	1744.0	1740.8	1744.0	1740.8	1740.8	1737.7	1721.8	1715.4	1717.0	1718.6	1712.2
15°	1731.3	1726.5	1731.3	1728.1	1729.7	1724.9	1707.4	1701.1	1701.1	1704.3	1693.1
17.5°	1712.2	1705.9	1712.2	1710.6	1709.0	1705.9	1689.9	1683.6	1682.0	1683.6	1675.6
20°	1689.9	1685.2	1689.9	1688.4	1688.4	1682.0	1666.1	1658.1	1658.1	1658.1	1650.2
22.5°	1654.9	1650.2	1654.9	1658.1	1658.1	1656.5	1642.2	1631.1	1627.9	1627.9	1618.4
25°	1615.2	1610.4	1615.2	1615.2	1613.5	1615.2	1610.4	1604.0	1599.3	1594.4	1584.9
27.5°	1576.9	1573.8	1576.9	1573.8	1576.9	1572.2	1570.6	1569.0	1562.6	1557.9	1545.1
30°	1538.8	1535.6	1538.8	1535.6	1532.4	1529.2	1521.3	1518.1	1524.4	1521.3	1500.6
32.5°	1491.0	1487.9	1491.0	1491.0	1487.9	1487.9	1475.1	1470.4	1471.9	1481.5	1462.4
35°	1441.7	1436.9	1441.7	1440.1	1441.7	1436.9	1428.9	1427.4	1421.0	1432.2	1417.9
37.5°	1384.5	1379.6	1384.5	1384.5	1384.5	1387.6	1381.2	1376.4	1366.9	1381.2	1370.1
40°	1325.5	1319.2	1325.5	1324.0	1325.5	1328.7	1325.5	1322.4	1312.8	1324.0	1314.4
42.5°	1258.7	1257.1	1258.7	1260.3	1260.3	1266.7	1271.5	1265.0	1261.9	1254.0	1260.3
45°	1187.1	1183.9	1187.1	1190.3	1191.9	1195.0	1209.4	1209.4	1204.6	1191.9	1201.4
47.5°	1110.7	1102.8	1110.7	1120.3	1120.3	1125.0	1139.4	1150.5	1142.5	1126.6	1131.4
50°	1029.5	1031.1	1029.5	1036.0	1036.0	1053.5	1064.5	1075.7	1083.6	1064.5	1042.3
52.5°	950.0	948.4	950.0	954.8	961.1	969.1	988.2	999.3	1012.0	1000.9	965.9
55°	870.5	873.6	870.5	872.1	875.2	880.0	908.6	919.8	943.6	929.3	892.7
57.5°	790.9	786.1	790.9	794.1	795.6	800.4	824.3	845.0	859.3	860.9	816.3
60°	698.6	692.2	698.6	712.9	716.1	719.2	741.6	760.6	773.4	778.1	732.0
62.5°	617.4	606.3	617.4	627.0	633.3	641.3	657.2	685.8	697.0	698.6	633.3
65°	531.5	526.7	531.5	550.6	552.1	561.7	579.2	599.9	623.8	620.6	526.7
67.5°	453.5	453.5	453.5	466.2	475.8	480.6	502.8	512.4	542.7	545.8	439.2
70°	381.9	380.3	381.9	391.5	397.8	409.0	429.7	440.8	464.6	472.6	356.5
72.5°	313.5	311.9	313.5	321.4	327.8	337.3	354.8	367.6	388.3	397.8	276.9
75°	253.0	249.8	253.0	259.4	257.8	270.5	284.8	297.6	316.7	323.0	205.2
77.5°	194.2	194.2	194.2	200.5	200.5	213.2	219.6	235.5	246.7	256.2	151.2
80°	144.8	143.3	144.8	146.4	146.4	152.7	163.9	175.1	184.6	184.6	103.4
82.5°	101.8	98.7	101.8	101.8	101.8	105.0	111.4	114.6	120.9	125.7	65.2
85°	63.7	63.7	63.7	65.2	63.7	66.8	68.4	71.6	71.6	68.4	39.7
87.5°	41.4	39.7	41.4	39.7	39.7	38.2	38.2	38.2	36.6	35.0	22.2
90°	19.0	19.0	19.0	19.0	19.0	25.4	33.8	38.1	32.8	22.1	14.1
92.5°	76.2	61.1	76.2	91.4	95.2	134.9	187.9	214.4	188.2	135.9	96.7
95°	265.8	219.9	265.8	311.6	323.1	424.3	559.3	626.7	529.3	334.5	188.4
97.5°	636.9	549.6	636.9	724.1	746.0	810.0	895.3	937.9	775.5	450.6	206.9
100°	917.6	813.6	917.6	1021.6	1047.6	1042.9	1036.7	1033.5	853.3	492.8	222.4
102.5°	1193.7	1104.7	1193.7	1282.9	1305.1	1223.6	1115.0	1060.6	877.8	512.2	238.0
105°	1545.9	1498.0	1545.9	1593.7	1605.7	1423.0	1179.4	1057.6	880.7	526.6	261.1
107.5°	1776.6	1788.1	1776.6	1764.9	1762.0	1507.2	1167.4	997.5	841.4	529.3	295.1
110°	1864.5	1914.4	1864.5	1814.5	1802.1	1517.2	1137.3	947.4	806.7	525.2	314.1





TEST NUMBER: P935251

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1872.3	1948.9	1872.3	1795.7	1776.6	1485.0	1096.2	901.8	776.3	525.4	337.2
115°	1822.6	1928.9	1822.6	1716.5	1689.9	1409.0	1034.4	847.2	741.5	530.2	371.7
117.5°	1717.4	1835.2	1717.4	1599.6	1570.1	1316.6	978.6	809.6	719.7	540.0	405.3
120°	1632.6	1747.0	1632.6	1518.1	1489.5	1257.8	949.0	794.6	712.4	548.1	424.9
122.5°	1550.0	1662.9	1550.0	1437.0	1408.8	1200.2	922.2	783.1	708.6	559.6	447.9
125°	1432.1	1536.1	1432.1	1328.2	1302.1	1124.9	888.7	770.6	705.4	575.2	477.5
127.5°	1326.2	1413.8	1326.2	1238.4	1216.5	1064.3	861.5	760.0	703.6	590.7	506.1
130°	1263.7	1344.7	1263.7	1182.6	1162.3	1026.9	846.3	756.0	704.7	602.1	525.1
132.5°	1207.0	1279.6	1207.0	1134.4	1116.3	995.0	833.4	752.5	705.4	611.2	540.6
135°	1129.3	1191.9	1129.3	1066.8	1051.1	949.5	814.2	746.5	704.7	621.3	558.6
137.5°	1067.0	1118.3	1067.0	1015.8	1003.0	917.2	802.8	745.5	709.1	636.3	581.7
140°	1024.3	1072.2	1024.3	976.4	964.4	890.3	791.4	742.0	709.8	645.5	597.2
142.5°	988.9	1030.1	988.9	947.6	937.3	872.2	785.4	742.0	712.3	653.2	608.8
145°	935.8	967.0	935.8	904.6	896.8	843.6	772.5	737.0	712.4	663.2	626.3
147.5°	895.0	920.9	895.0	869.2	862.7	820.8	764.9	737.0	717.2	677.8	648.3
150°	869.3	890.3	869.3	848.4	843.2	807.7	760.6	737.0	719.8	685.5	659.8
152.5°	847.4	863.2	847.4	831.6	827.7	797.5	757.1	737.0	721.5	690.6	667.4
155°	822.2	832.6	822.2	811.8	809.1	785.1	753.1	737.0	725.2	701.6	683.8
157.5°	802.3	809.6	802.3	795.0	793.1	774.4	749.4	737.0	728.9	712.6	700.4
160°	790.4	794.6	790.4	786.1	785.1	769.0	747.7	737.0	730.6	717.6	707.9
162.5°	782.5	786.5	782.5	778.5	777.5	764.1	746.0	737.0	732.3	722.9	716.0
165°	771.4	775.5	771.4	767.1	766.1	756.3	743.4	737.0	734.9	730.6	727.4
167.5°	763.3	765.0	763.3	761.5	761.0	754.7	746.2	742.0	740.2	736.6	733.9
170°	761.0	761.0	761.0	761.0	761.0	754.7	746.2	742.0	741.9	741.7	741.5
172.5°	755.1	753.5	755.1	756.6	757.0	752.0	745.3	742.0	742.0	742.0	742.0
175°	751.5	751.5	751.5	751.5	751.5	748.3	744.1	742.0	742.9	744.9	746.5
177.5°	748.2	746.5	748.2	750.0	750.5	748.0	744.7	743.0	743.8	745.3	746.5
180°	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5



TEST NUMBER: P935251

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1705.9	1696.3	1696.3	1680.4	1674.0	1669.3	1661.3	1637.4	1631.1	1624.7	1634.3
5°	1720.2	1702.7	1689.9	1661.3	1637.4	1627.9	1597.6	1540.4	1502.2	1473.5	1457.6
7.5°	1723.4	1701.1	1677.2	1632.7	1575.4	1549.9	1457.6	1352.6	1324.0	1298.5	1282.6
10°	1720.2	1694.7	1661.3	1594.4	1459.2	1414.6	1322.4	1254.0	1236.5	1231.6	1236.5
12.5°	1709.0	1685.2	1639.0	1527.6	1338.3	1308.0	1254.0	1214.1	1211.0	1219.0	1261.9
15°	1689.9	1667.7	1613.5	1438.5	1271.5	1249.1	1211.0	1196.6	1214.1	1269.9	1398.7
17.5°	1670.9	1645.3	1578.5	1351.0	1220.5	1204.6	1177.5	1206.2	1304.9	1379.6	1422.6
20°	1645.3	1615.2	1538.8	1287.4	1183.9	1169.6	1156.9	1285.8	1360.5	1387.6	1411.4
22.5°	1615.2	1583.4	1484.7	1242.8	1145.7	1134.6	1142.5	1330.3	1360.5	1379.6	1400.4
25°	1575.4	1548.3	1421.0	1207.8	1115.5	1102.8	1133.0	1325.5	1343.0	1347.8	1389.2
27.5°	1538.8	1503.8	1354.2	1176.0	1078.9	1074.1	1141.0	1304.9	1317.6	1322.4	1366.9
30°	1494.2	1441.7	1279.4	1142.5	1040.7	1039.1	1142.5	1279.4	1276.2	1289.0	1333.5
32.5°	1448.0	1349.4	1195.0	1101.2	1004.1	1002.5	1131.4	1241.2	1238.0	1255.5	1289.0
35°	1405.1	1277.8	1080.5	1053.5	958.0	959.5	1104.4	1196.6	1198.2	1214.1	1234.9
37.5°	1360.5	1215.7	954.8	1000.9	913.4	913.4	1067.7	1155.3	1152.1	1156.9	1185.5
40°	1308.0	1118.7	843.4	932.5	872.1	867.2	1023.2	1110.7	1099.5	1098.0	1137.8
42.5°	1252.4	1012.0	760.6	841.8	824.3	817.9	969.1	1056.6	1036.0	1040.7	1091.6
45°	1191.9	983.4	697.0	711.3	775.0	770.2	910.2	994.5	980.2	993.0	1045.5
47.5°	1131.4	926.1	676.3	590.4	722.5	720.9	845.0	934.0	926.1	938.9	994.5
50°	1048.6	862.5	674.7	506.1	663.6	669.9	767.0	875.2	875.2	886.4	945.2
52.5°	942.0	784.5	612.6	458.3	595.1	614.2	698.6	824.3	827.5	838.6	891.1
55°	845.0	703.3	568.1	421.7	514.0	555.4	631.7	771.8	778.1	789.3	837.0
57.5°	755.9	585.6	558.6	378.7	439.2	479.0	572.9	720.9	724.1	733.6	779.7
60°	660.4	423.3	512.4	332.6	374.0	404.1	518.7	660.4	671.5	677.9	717.6
62.5°	552.1	307.1	464.6	300.7	342.2	348.5	474.2	603.1	617.4	622.2	646.1
65°	393.1	257.8	394.7	273.7	308.7	310.3	426.5	544.2	557.0	564.9	582.4
67.5°	265.7	210.1	300.7	248.2	283.2	284.8	380.3	475.8	493.3	499.6	510.8
70°	184.6	140.0	222.8	221.2	254.6	257.8	331.0	413.7	429.7	434.4	440.8
72.5°	135.2	113.0	184.6	198.9	224.4	227.6	280.1	343.7	359.7	364.4	367.6
75°	103.4	119.3	149.6	173.4	191.0	192.6	229.2	280.1	291.2	294.4	296.0
77.5°	82.7	111.4	109.8	140.0	155.9	152.7	179.8	216.4	226.0	226.0	226.0
80°	62.1	87.5	82.7	100.2	114.6	111.4	128.9	154.3	157.5	160.7	159.2
82.5°	46.2	55.7	55.7	63.7	76.4	73.2	85.9	100.2	100.2	100.2	103.4
85°	28.7	31.8	25.5	33.4	43.0	41.4	47.8	54.1	55.7	55.7	52.5
87.5°	17.5	14.3	7.9	12.8	19.1	19.1	22.2	23.8	22.2	22.2	22.2
90°	13.0	9.0	5.0	9.0	13.0	14.1	22.1	32.8	38.1	33.8	25.4
92.5°	88.2	54.1	20.1	54.1	88.2	96.7	135.9	188.2	214.4	187.9	134.9
95°	172.8	110.4	48.1	110.4	172.8	188.4	334.5	529.3	626.7	559.3	424.3
97.5°	193.2	138.2	83.2	138.2	193.2	206.9	450.6	775.5	937.9	895.3	810.0
100°	210.0	160.1	110.3	160.1	210.0	222.4	492.8	853.3	1033.5	1036.7	1042.9
102.5°	226.4	179.9	133.3	179.9	226.4	238.0	512.2	877.8	1060.6	1115.0	1223.6
105°	251.2	211.8	172.3	211.8	251.2	261.1	526.6	880.7	1057.6	1179.4	1423.0
107.5°	285.9	249.2	212.4	249.2	285.9	295.1	529.3	841.4	997.5	1167.4	1507.2
110°	305.9	272.6	239.5	272.6	305.9	314.1	525.2	806.7	947.4	1137.3	1517.2



TEST NUMBER: P935251

CATALOG NUMBER: SQ4-FA-100U-100D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	329.3	297.7	266.0	297.7	329.3	337.2	525.4	776.3	901.8	1096.2	1485.0
115°	364.4	335.3	306.1	335.3	364.4	371.7	530.2	741.5	847.2	1034.4	1409.0
117.5°	398.7	372.2	345.7	372.2	398.7	405.3	540.0	719.7	809.6	978.6	1316.6
120°	418.6	393.7	368.7	393.7	418.6	424.9	548.1	712.4	794.6	949.0	1257.8
122.5°	441.6	416.4	391.3	416.4	441.6	447.9	559.6	708.6	783.1	922.2	1200.2
125°	471.8	448.8	425.8	448.8	471.8	477.5	575.2	705.4	770.6	888.7	1124.9
127.5°	500.3	477.1	453.9	477.1	500.3	506.1	590.7	703.6	760.0	861.5	1064.3
130°	518.8	493.9	469.0	493.9	518.8	525.1	602.1	704.7	756.0	846.3	1026.9
132.5°	534.3	509.4	484.4	509.4	534.3	540.6	611.2	705.4	752.5	833.4	995.0
135°	552.9	530.2	507.5	530.2	552.9	558.6	621.3	704.7	746.5	814.2	949.5
137.5°	576.1	553.5	531.0	553.5	576.1	581.7	636.3	709.1	745.5	802.8	917.2
140°	592.1	571.3	550.6	571.3	592.1	597.2	645.5	709.8	742.0	791.4	890.3
142.5°	603.9	584.8	565.6	584.8	603.9	608.8	653.2	712.3	742.0	785.4	872.2
145°	622.1	605.4	588.7	605.4	622.1	626.3	663.2	712.4	737.0	772.5	843.6
147.5°	644.2	627.9	611.7	627.9	644.2	648.3	677.8	717.2	737.0	764.9	820.8
150°	656.1	641.4	626.7	641.4	656.1	659.8	685.5	719.8	737.0	760.6	807.7
152.5°	664.6	653.5	642.3	653.5	664.6	667.4	690.6	721.5	737.0	757.1	797.5
155°	681.7	673.6	665.4	673.6	681.7	683.8	701.6	725.2	737.0	753.1	785.1
157.5°	698.4	690.4	682.4	690.4	698.4	700.4	712.6	728.9	737.0	749.4	774.4
160°	706.4	700.1	693.9	700.1	706.4	707.9	717.6	730.6	737.0	747.7	769.0
162.5°	714.8	710.1	705.4	710.1	714.8	716.0	722.9	732.3	737.0	746.0	764.1
165°	726.4	722.1	718.0	722.1	726.4	727.4	730.6	734.9	737.0	743.4	756.3
167.5°	733.5	731.5	729.4	731.5	733.5	733.9	736.6	740.2	742.0	746.2	754.7
170°	741.0	739.0	737.0	739.0	741.0	741.5	741.7	741.9	742.0	746.2	754.7
172.5°	741.9	741.4	741.0	741.4	741.9	742.0	742.0	742.0	742.0	745.3	752.0
175°	746.5	746.5	746.5	746.5	746.5	746.5	744.9	742.9	742.0	744.1	748.3
177.5°	746.5	746.5	746.5	746.5	746.5	746.5	745.3	743.8	743.0	744.7	748.0
180°	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5



TEST NUMBER: P935251  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1623.1	1618.4	1624.7	1607.2	1624.7	1618.4	1623.1	1634.3	1624.7	1631.1	1637.4
5°	1424.2	1416.3	1390.8	1370.1	1390.8	1416.3	1424.2	1457.6	1473.5	1502.2	1540.4
7.5°	1273.0	1266.7	1260.3	1247.5	1260.3	1266.7	1273.0	1282.6	1298.5	1324.0	1352.6
10°	1239.6	1241.2	1250.8	1249.1	1250.8	1241.2	1239.6	1236.5	1231.6	1236.5	1254.0
12.5°	1325.5	1339.9	1392.4	1389.2	1392.4	1339.9	1325.5	1261.9	1219.0	1211.0	1214.1
15°	1424.2	1428.9	1440.1	1441.7	1440.1	1428.9	1424.2	1398.7	1269.9	1214.1	1196.6
17.5°	1433.8	1435.4	1443.3	1443.3	1443.3	1435.4	1433.8	1422.6	1379.6	1304.9	1206.2
20°	1425.8	1428.9	1444.9	1448.0	1444.9	1428.9	1425.8	1411.4	1387.6	1360.5	1285.8
22.5°	1422.6	1428.9	1441.7	1440.1	1441.7	1428.9	1422.6	1400.4	1379.6	1360.5	1330.3
25°	1406.7	1406.7	1408.3	1409.9	1408.3	1406.7	1406.7	1389.2	1347.8	1343.0	1325.5
27.5°	1373.3	1376.4	1386.0	1384.5	1386.0	1376.4	1373.3	1366.9	1322.4	1317.6	1304.9
30°	1343.0	1339.9	1331.9	1325.5	1331.9	1339.9	1343.0	1333.5	1289.0	1276.2	1279.4
32.5°	1292.1	1284.2	1276.2	1271.5	1276.2	1284.2	1292.1	1289.0	1255.5	1238.0	1241.2
35°	1231.6	1233.2	1231.6	1226.9	1231.6	1233.2	1231.6	1234.9	1214.1	1198.2	1196.6
37.5°	1188.7	1191.9	1190.3	1183.9	1190.3	1191.9	1188.7	1185.5	1156.9	1152.1	1155.3
40°	1144.1	1145.7	1144.1	1139.4	1144.1	1145.7	1144.1	1137.8	1098.0	1099.5	1110.7
42.5°	1101.2	1099.5	1094.8	1091.6	1094.8	1099.5	1101.2	1091.6	1040.7	1036.0	1056.6
45°	1051.8	1053.5	1043.9	1039.1	1043.9	1053.5	1051.8	1045.5	993.0	980.2	994.5
47.5°	1002.5	1002.5	994.5	989.8	994.5	1002.5	1002.5	994.5	938.9	926.1	934.0
50°	950.0	948.4	937.3	935.7	937.3	948.4	950.0	945.2	886.4	875.2	875.2
52.5°	889.6	889.6	891.1	894.3	891.1	889.6	889.6	891.1	838.6	827.5	824.3
55°	837.0	838.6	849.7	852.9	849.7	838.6	837.0	837.0	789.3	778.1	771.8
57.5°	782.9	782.9	790.9	790.9	790.9	782.9	782.9	779.7	733.6	724.1	720.9
60°	720.9	724.1	730.4	728.8	730.4	724.1	720.9	717.6	677.9	671.5	660.4
62.5°	655.6	658.8	660.4	657.2	660.4	658.8	655.6	646.1	622.2	617.4	603.1
65°	587.2	590.4	592.0	588.8	592.0	590.4	587.2	582.4	564.9	557.0	544.2
67.5°	517.1	515.6	514.0	520.3	514.0	515.6	517.1	510.8	499.6	493.3	475.8
70°	445.6	445.6	444.0	447.1	444.0	445.6	445.6	440.8	434.4	429.7	413.7
72.5°	369.1	367.6	374.0	369.1	374.0	367.6	369.1	367.6	364.4	359.7	343.7
75°	294.4	297.6	294.4	299.2	294.4	297.6	294.4	296.0	294.4	291.2	280.1
77.5°	224.4	227.6	224.4	224.4	224.4	227.6	224.4	226.0	226.0	226.0	216.4
80°	159.2	157.5	157.5	155.9	157.5	157.5	159.2	159.2	160.7	157.5	154.3
82.5°	101.8	100.2	100.2	103.4	100.2	100.2	101.8	103.4	100.2	100.2	100.2
85°	55.7	57.3	54.1	54.1	54.1	57.3	55.7	52.5	55.7	55.7	54.1
87.5°	20.7	19.1	19.1	19.1	19.1	19.1	20.7	22.2	22.2	22.2	23.8
90°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	25.4	33.8	38.1	32.8
92.5°	95.2	91.4	76.2	61.1	76.2	91.4	95.2	134.9	187.9	214.4	188.2
95°	323.1	311.6	265.8	219.9	265.8	311.6	323.1	424.3	559.3	626.7	529.3
97.5°	746.0	724.1	636.9	549.6	636.9	724.1	746.0	810.0	895.3	937.9	775.5
100°	1047.6	1021.6	917.6	813.6	917.6	1021.6	1047.6	1042.9	1036.7	1033.5	853.3
102.5°	1305.1	1282.9	1193.7	1104.7	1193.7	1282.9	1305.1	1223.6	1115.0	1060.6	877.8
105°	1605.7	1593.7	1545.9	1498.0	1545.9	1593.7	1605.7	1423.0	1179.4	1057.6	880.7
107.5°	1762.0	1764.9	1776.6	1788.1	1776.6	1764.9	1762.0	1507.2	1167.4	997.5	841.4
110°	1802.1	1814.5	1864.5	1914.4	1864.5	1814.5	1802.1	1517.2	1137.3	947.4	806.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1776.6	1795.7	1872.3	1948.9	1872.3	1795.7	1776.6	1485.0	1096.2	901.8	776.3
115°	1689.9	1716.5	1822.6	1928.9	1822.6	1716.5	1689.9	1409.0	1034.4	847.2	741.5
117.5°	1570.1	1599.6	1717.4	1835.2	1717.4	1599.6	1570.1	1316.6	978.6	809.6	719.7
120°	1489.5	1518.1	1632.6	1747.0	1632.6	1518.1	1489.5	1257.8	949.0	794.6	712.4
122.5°	1408.8	1437.0	1550.0	1662.9	1550.0	1437.0	1408.8	1200.2	922.2	783.1	708.6
125°	1302.1	1328.2	1432.1	1536.1	1432.1	1328.2	1302.1	1124.9	888.7	770.6	705.4
127.5°	1216.5	1238.4	1326.2	1413.8	1326.2	1238.4	1216.5	1064.3	861.5	760.0	703.6
130°	1162.3	1182.6	1263.7	1344.7	1263.7	1182.6	1162.3	1026.9	846.3	756.0	704.7
132.5°	1116.3	1134.4	1207.0	1279.6	1207.0	1134.4	1116.3	995.0	833.4	752.5	705.4
135°	1051.1	1066.8	1129.3	1191.9	1129.3	1066.8	1051.1	949.5	814.2	746.5	704.7
137.5°	1003.0	1015.8	1067.0	1118.3	1067.0	1015.8	1003.0	917.2	802.8	745.5	709.1
140°	964.4	976.4	1024.3	1072.2	1024.3	976.4	964.4	890.3	791.4	742.0	709.8
142.5°	937.3	947.6	988.9	1030.1	988.9	947.6	937.3	872.2	785.4	742.0	712.3
145°	896.8	904.6	935.8	967.0	935.8	904.6	896.8	843.6	772.5	737.0	712.4
147.5°	862.7	869.2	895.0	920.9	895.0	869.2	862.7	820.8	764.9	737.0	717.2
150°	843.2	848.4	869.3	890.3	869.3	848.4	843.2	807.7	760.6	737.0	719.8
152.5°	827.7	831.6	847.4	863.2	847.4	831.6	827.7	797.5	757.1	737.0	721.5
155°	809.1	811.8	822.2	832.6	822.2	811.8	809.1	785.1	753.1	737.0	725.2
157.5°	793.1	795.0	802.3	809.6	802.3	795.0	793.1	774.4	749.4	737.0	728.9
160°	785.1	786.1	790.4	794.6	790.4	786.1	785.1	769.0	747.7	737.0	730.6
162.5°	777.5	778.5	782.5	786.5	782.5	778.5	777.5	764.1	746.0	737.0	732.3
165°	766.1	767.1	771.4	775.5	771.4	767.1	766.1	756.3	743.4	737.0	734.9
167.5°	761.0	761.5	763.3	765.0	763.3	761.5	761.0	754.7	746.2	742.0	740.2
170°	761.0	761.0	761.0	761.0	761.0	761.0	761.0	754.7	746.2	742.0	741.9
172.5°	757.0	756.6	755.1	753.5	755.1	756.6	757.0	752.0	745.3	742.0	742.0
175°	751.5	751.5	751.5	751.5	751.5	751.5	751.5	748.3	744.1	742.0	742.9
177.5°	750.5	750.0	748.2	746.5	748.2	750.0	750.5	748.0	744.7	743.0	743.8
180°	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5	746.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1682.0	1682.0	1682.0	1682.0	1682.0
2.5°	1661.3	1669.3	1674.0	1680.4	1696.3
5°	1597.6	1627.9	1637.4	1661.3	1689.9
7.5°	1457.6	1549.9	1575.4	1632.7	1677.2
10°	1322.4	1414.6	1459.2	1594.4	1661.3
12.5°	1254.0	1308.0	1338.3	1527.6	1639.0
15°	1211.0	1249.1	1271.5	1438.5	1613.5
17.5°	1177.5	1204.6	1220.5	1351.0	1578.5
20°	1156.9	1169.6	1183.9	1287.4	1538.8
22.5°	1142.5	1134.6	1145.7	1242.8	1484.7
25°	1133.0	1102.8	1115.5	1207.8	1421.0
27.5°	1141.0	1074.1	1078.9	1176.0	1354.2
30°	1142.5	1039.1	1040.7	1142.5	1279.4
32.5°	1131.4	1002.5	1004.1	1101.2	1195.0
35°	1104.4	959.5	958.0	1053.5	1080.5
37.5°	1067.7	913.4	913.4	1000.9	954.8
40°	1023.2	867.2	872.1	932.5	843.4
42.5°	969.1	817.9	824.3	841.8	760.6
45°	910.2	770.2	775.0	711.3	697.0
47.5°	845.0	720.9	722.5	590.4	676.3
50°	767.0	669.9	663.6	506.1	674.7
52.5°	698.6	614.2	595.1	458.3	612.6
55°	631.7	555.4	514.0	421.7	568.1
57.5°	572.9	479.0	439.2	378.7	558.6
60°	518.7	404.1	374.0	332.6	512.4
62.5°	474.2	348.5	342.2	300.7	464.6
65°	426.5	310.3	308.7	273.7	394.7
67.5°	380.3	284.8	283.2	248.2	300.7
70°	331.0	257.8	254.6	221.2	222.8
72.5°	280.1	227.6	224.4	198.9	184.6
75°	229.2	192.6	191.0	173.4	149.6
77.5°	179.8	152.7	155.9	140.0	109.8
80°	128.9	111.4	114.6	100.2	82.7
82.5°	85.9	73.2	76.4	63.7	55.7
85°	47.8	41.4	43.0	33.4	25.5
87.5°	22.2	19.1	19.1	12.8	7.9
90°	22.1	14.1	13.0	9.0	5.0
92.5°	135.9	96.7	88.2	54.1	20.1
95°	334.5	188.4	172.8	110.4	48.1
97.5°	450.6	206.9	193.2	138.2	83.2
100°	492.8	222.4	210.0	160.1	110.3
102.5°	512.2	238.0	226.4	179.9	133.3
105°	526.6	261.1	251.2	211.8	172.3
107.5°	529.3	295.1	285.9	249.2	212.4
110°	525.2	314.1	305.9	272.6	239.5



TEST NUMBER: P935251

CATALOG NUMBER: SQ4-FA-100U-100D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	525.4	337.2	329.3	297.7	266.0
115°	530.2	371.7	364.4	335.3	306.1
117.5°	540.0	405.3	398.7	372.2	345.7
120°	548.1	424.9	418.6	393.7	368.7
122.5°	559.6	447.9	441.6	416.4	391.3
125°	575.2	477.5	471.8	448.8	425.8
127.5°	590.7	506.1	500.3	477.1	453.9
130°	602.1	525.1	518.8	493.9	469.0
132.5°	611.2	540.6	534.3	509.4	484.4
135°	621.3	558.6	552.9	530.2	507.5
137.5°	636.3	581.7	576.1	553.5	531.0
140°	645.5	597.2	592.1	571.3	550.6
142.5°	653.2	608.8	603.9	584.8	565.6
145°	663.2	626.3	622.1	605.4	588.7
147.5°	677.8	648.3	644.2	627.9	611.7
150°	685.5	659.8	656.1	641.4	626.7
152.5°	690.6	667.4	664.6	653.5	642.3
155°	701.6	683.8	681.7	673.6	665.4
157.5°	712.6	700.4	698.4	690.4	682.4
160°	717.6	707.9	706.4	700.1	693.9
162.5°	722.9	716.0	714.8	710.1	705.4
165°	730.6	727.4	726.4	722.1	718.0
167.5°	736.6	733.9	733.5	731.5	729.4
170°	741.7	741.5	741.0	739.0	737.0
172.5°	742.0	742.0	741.9	741.4	741.0
175°	744.9	746.5	746.5	746.5	746.5
177.5°	745.3	746.5	746.5	746.5	746.5
180°	746.5	746.5	746.5	746.5	746.5



TEST NUMBER: P935251  
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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	12.70	13.54	13.68	14.53	15.84	15.52	16.36	16.50	17.35	18.66
	3H	13.17	13.92	14.16	14.92	16.25	16.86	17.61	17.85	18.62	19.94
	4H	13.36	14.07	14.37	15.08	16.42	17.31	18.02	18.31	19.02	20.36
	6H	13.48	14.14	14.49	15.14	16.49	17.59	18.24	18.60	19.25	20.60
	8H	13.48	14.10	14.50	15.13	16.48	17.66	18.28	18.68	19.31	20.66
	12H	13.45	14.04	14.48	15.06	16.43	17.70	18.29	18.72	19.31	20.68
4H	2H	13.73	14.44	14.73	15.44	16.78	15.93	16.64	16.94	17.64	18.98
	3H	14.75	15.34	15.77	16.38	17.73	17.43	18.02	18.45	19.06	20.41
	4H	15.03	15.57	16.05	16.59	17.97	17.96	18.50	18.98	19.52	20.90
	6H	15.15	15.62	16.19	16.66	18.03	18.32	18.78	19.36	19.83	21.20
	8H	15.15	15.59	16.19	16.63	18.02	18.42	18.86	19.46	19.90	21.29
	12H	15.12	15.51	16.18	16.57	17.96	18.48	18.87	19.53	19.93	21.32
8H	4H	15.48	15.91	16.51	16.95	18.34	18.08	18.51	19.12	19.56	20.94
	6H	15.74	16.10	16.80	17.18	18.56	18.51	18.87	19.57	19.96	21.34
	8H	15.78	16.10	16.85	17.16	18.57	18.66	18.98	19.73	20.05	21.45
	12H	15.76	16.04	16.84	17.10	18.55	18.76	19.04	19.83	20.10	21.54
12H	4H	15.48	15.87	16.54	16.93	18.32	18.04	18.44	19.10	19.49	20.88
	6H	15.80	16.11	16.87	17.18	18.58	18.51	18.83	19.58	19.89	21.30
	8H	15.86	16.14	16.94	17.20	18.65	18.67	18.95	19.74	20.01	21.45