

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: P935511

Luminaire Tested: SQ4-FA-125U-075D-830-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935511
REPORT IS A COMBINATION OF REPORTS P933759 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-075D-830-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

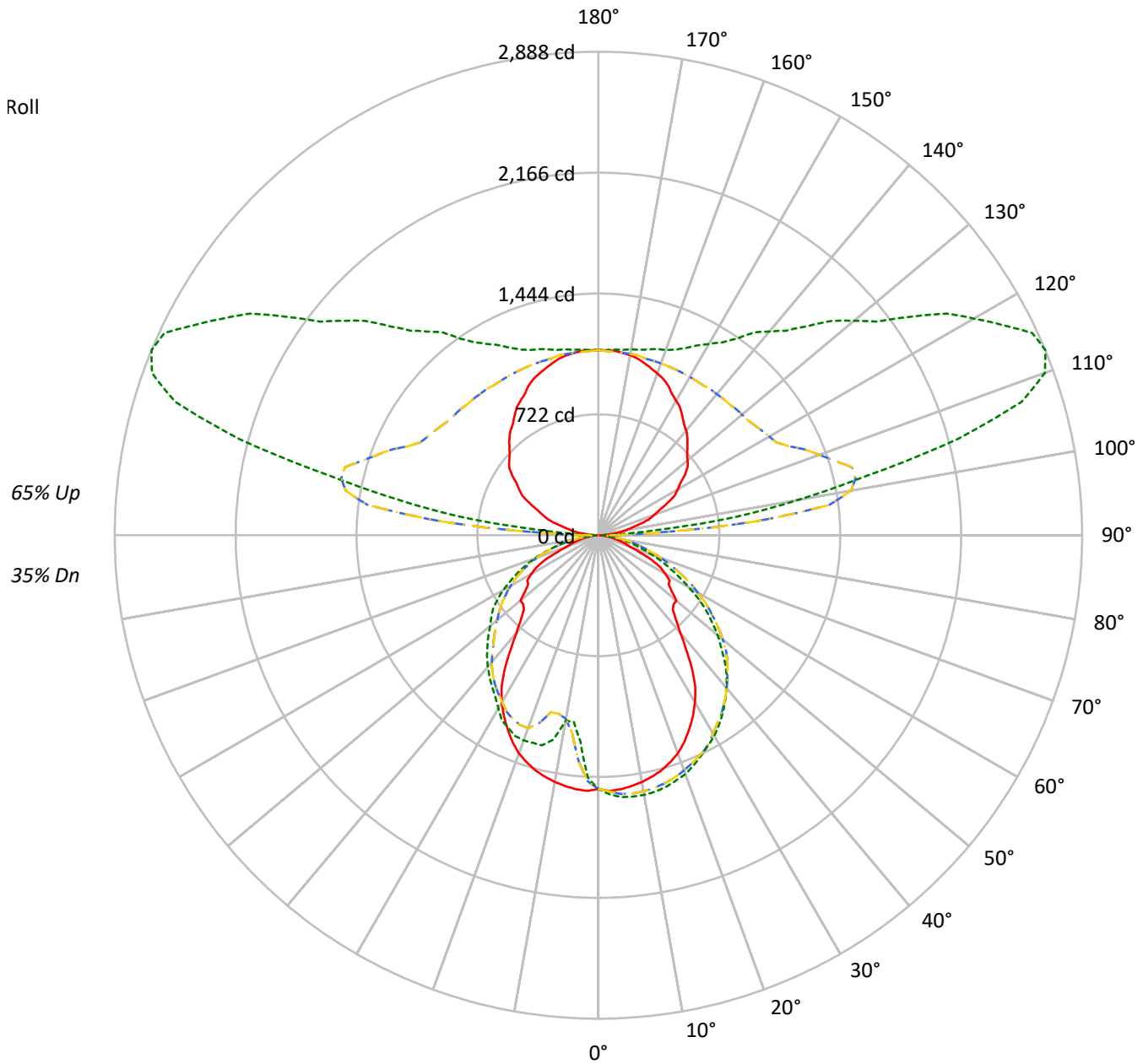
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11105.7 lumens
Efficiency: N/A
Efficacy: 133.2 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: Semi-Indirect

Input Watts (W): 83.4
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				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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35				35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30				30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25				25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21				21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18				18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16				16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14				14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12				12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11				11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10				10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9				9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9376	9376	9376	9376
5°	9443	9465	9443	7443
10°	9377	9323	9377	6666
15°	9271	9122	9271	7617
20°	9074	8882	9074	7632
25°	8674	8533	8674	7471
30°	8157	8244	8157	7116
35°	7268	7877	7268	6726
40°	6053	7446	6053	6430
45°	5405	6941	5405	6092
50°	5737	6338	5737	5751
55°	5393	5689	5393	5554
60°	5552	4832	5552	5088
65°	5026	3995	5026	4465
70°	3473	3183	3473	3743
75°	3033	2353	3033	2818
80°	2428	1556	2428	1693
85°	1365	824	1365	701

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8289 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.8	1.2
10°-20°	388.5	3.5
20°-30°	600.5	5.4
30°-40°	716.9	6.5
40°-50°	721.1	6.5
50°-60°	627.4	5.6
60°-70°	444.9	4.0
70°-80°	235.4	2.1
80°-90°	62.8	0.6
90°-100°	539.3	4.9
100°-110°	1417.7	12.8
110°-120°	1470.0	13.2
120°-130°	1179.1	10.6
130°-140°	925.2	8.3
140°-150°	710.1	6.4
150°-160°	511.4	4.6
160°-170°	312.9	2.8
170°-180°	105.7	1.0
0°-30°	1125.8	10.1
0°-40°	1842.7	16.6
0°-60°	3191.2	28.7
0°-90°	3934.3	35.4
90°-120°	3427.0	30.9
90°-150°	6241.4	56.2
90°-180°	7171.0	64.6
0°-180°	11105.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1516	1516	1516	1516	1516	
5°	1523	1570	1523	1235	1523	144
15°	1454	1556	1454	1299	1454	409
25°	1281	1451	1281	1270	1281	588
35°	974	1295	974	1106	974	602
45°	628	1067	628	936	628	503
55°	512	787	512	769	512	470
65°	356	475	356	531	356	340
75°	135	225	135	270	135	142
85°	23	57	23	49	23	31
90°	8	28	8	28	8	7
95°	71	326	71	326	71	79
105°	255	2220	255	2220	255	271
115°	454	2858	454	2858	454	448
125°	631	2276	631	2276	631	560
135°	752	1766	752	1766	752	582
145°	872	1433	872	1433	872	547
155°	986	1234	986	1234	986	453
165°	1064	1149	1064	1149	1064	300
175°	1106	1114	1106	1114	1106	105
180°	1106	1106	1106	1106	1106	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7
2.5°	1528.6	1528.6	1537.2	1540.1	1540.1	1535.8	1531.5	1535.8	1548.7	1553.0	1551.6
5°	1522.9	1534.4	1550.2	1553.0	1555.9	1554.5	1551.6	1554.5	1568.8	1571.7	1573.1
7.5°	1511.4	1532.9	1553.0	1557.3	1561.6	1557.3	1555.9	1558.8	1573.1	1576.0	1576.0
10°	1497.1	1527.2	1550.2	1553.0	1557.3	1553.0	1553.0	1558.8	1573.1	1576.0	1577.4
12.5°	1477.0	1518.6	1540.1	1543.0	1548.7	1547.3	1545.9	1551.6	1565.9	1568.8	1568.8
15°	1454.1	1502.8	1522.9	1525.8	1535.8	1532.9	1532.9	1538.7	1554.5	1558.8	1557.3
17.5°	1422.5	1482.8	1505.7	1510.0	1517.2	1515.7	1517.2	1522.9	1537.2	1540.1	1541.6
20°	1386.7	1455.5	1482.8	1487.1	1494.2	1494.2	1494.2	1501.4	1515.7	1521.5	1521.5
22.5°	1337.9	1426.8	1455.5	1458.4	1467.0	1467.0	1469.8	1479.9	1492.8	1494.2	1494.2
25°	1280.6	1395.3	1419.7	1428.3	1436.9	1441.2	1445.5	1451.2	1455.5	1454.1	1455.5
27.5°	1220.3	1355.1	1386.7	1392.4	1403.9	1408.2	1413.9	1415.4	1416.8	1421.1	1418.2
30°	1152.9	1299.2	1346.5	1352.3	1370.9	1373.8	1368.0	1370.9	1378.1	1380.9	1383.8
32.5°	1076.9	1216.0	1304.9	1317.8	1335.1	1326.4	1325.0	1329.3	1340.8	1340.8	1343.7
35°	973.7	1151.5	1266.2	1277.7	1290.6	1280.6	1286.3	1287.7	1294.9	1299.2	1297.8
37.5°	860.4	1095.6	1226.1	1234.7	1244.7	1231.8	1240.4	1244.7	1250.4	1247.6	1247.6
40°	760.0	1008.1	1178.7	1184.5	1193.1	1183.0	1191.7	1194.5	1197.4	1194.5	1193.1
42.5°	685.5	912.0	1128.6	1135.7	1130.0	1137.2	1140.0	1145.8	1141.5	1135.7	1135.7
45°	628.1	886.2	1074.1	1082.7	1074.1	1085.5	1089.8	1089.8	1076.9	1074.1	1072.6
47.5°	609.4	834.6	1019.6	1019.6	1015.3	1029.6	1036.8	1026.7	1013.8	1009.5	1009.5
50°	608.0	777.2	945.0	939.3	959.3	976.6	969.4	959.3	949.3	933.5	933.5
52.5°	552.1	707.0	848.9	870.4	902.0	912.0	900.6	890.5	873.3	866.1	860.4
55°	511.9	633.8	761.5	804.5	837.5	850.4	828.9	818.8	793.0	788.7	785.8
57.5°	503.3	527.7	681.2	735.6	775.8	774.4	761.5	742.8	721.3	717.0	715.6
60°	461.7	381.4	595.1	659.6	701.2	696.9	685.5	668.2	648.2	645.3	642.4
62.5°	418.7	276.8	497.6	570.7	629.5	628.1	618.1	592.2	577.9	570.7	565.0
65°	355.6	232.3	354.2	474.7	559.3	562.1	540.6	522.0	506.2	497.6	496.2
67.5°	271.0	189.3	239.5	395.8	491.9	489.0	461.7	453.1	433.1	428.8	420.2
70°	200.8	126.2	166.3	321.2	425.9	418.7	397.2	387.2	368.5	358.5	352.8
72.5°	166.3	101.8	121.9	249.5	358.5	349.9	331.3	319.8	304.0	295.4	289.7
75°	134.8	107.6	93.2	185.0	291.1	285.4	268.2	256.7	243.8	232.3	233.7
77.5°	98.9	100.4	74.6	136.2	230.9	222.3	212.2	197.9	192.2	180.7	180.7
80°	74.6	78.9	55.9	93.2	166.3	166.3	157.7	147.7	137.7	131.9	131.9
82.5°	50.2	50.2	41.6	58.8	113.3	109.0	103.2	100.4	94.6	91.8	91.8
85°	22.9	28.7	25.8	35.8	61.7	64.5	64.5	61.7	60.2	57.4	58.8
87.5°	7.2	12.9	15.8	20.1	31.5	33.0	34.4	34.4	34.4	35.8	35.8
90°	7.5	13.4	19.3	20.7	32.6	48.5	56.4	50.1	37.6	28.2	28.2
92.5°	29.7	80.2	130.7	143.3	201.4	279.0	317.8	278.5	200.0	141.1	135.5
95°	71.3	163.7	256.0	279.2	495.7	784.5	928.8	828.9	628.9	478.9	461.8
97.5°	123.2	204.7	286.2	306.6	667.7	1149.2	1389.9	1326.7	1200.4	1105.5	1073.2
100°	163.4	237.3	311.2	329.6	730.3	1264.6	1531.7	1536.3	1545.6	1552.4	1513.9
102.5°	197.5	266.4	335.5	352.7	759.1	1300.8	1571.8	1652.3	1813.3	1934.1	1901.1
105°	255.4	313.9	372.2	386.8	780.3	1305.0	1567.4	1747.9	2108.8	2379.6	2361.8
107.5°	314.8	369.2	423.7	437.3	784.3	1246.9	1478.3	1730.1	2233.6	2611.2	2615.5
110°	354.9	404.0	453.1	465.5	778.3	1195.4	1404.0	1685.4	2248.4	2670.7	2689.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	394.3	441.1	487.9	499.7	778.6	1150.5	1336.4	1624.4	2200.6	2632.7	2661.1
115°	453.6	496.8	540.1	550.9	785.8	1098.9	1255.5	1533.0	2088.1	2504.3	2543.7
117.5°	512.3	551.6	590.8	600.7	800.4	1066.6	1199.8	1450.3	1951.2	2326.9	2370.5
120°	546.4	583.4	620.3	629.6	812.2	1055.7	1177.5	1406.4	1864.0	2207.3	2249.8
122.5°	579.9	617.2	654.5	663.8	829.3	1050.1	1160.5	1366.6	1778.7	2087.8	2129.6
125°	631.1	665.1	699.0	707.5	852.4	1045.4	1141.9	1317.0	1667.1	1929.7	1968.2
127.5°	672.6	707.0	741.3	749.9	875.4	1042.7	1126.4	1276.6	1577.3	1802.7	1835.2
130°	694.9	731.9	768.8	778.1	892.1	1044.2	1120.3	1254.2	1521.8	1722.5	1752.5
132.5°	718.0	755.0	791.9	801.1	905.8	1045.4	1115.2	1235.0	1474.5	1654.2	1681.0
135°	752.1	785.7	819.4	827.8	920.6	1044.4	1106.3	1206.6	1407.2	1557.7	1580.8
137.5°	787.0	820.3	853.7	862.0	942.9	1050.8	1104.8	1189.6	1359.1	1486.4	1505.3
140°	815.9	846.6	877.3	885.0	956.5	1051.9	1099.6	1172.8	1319.4	1429.2	1447.0
142.5°	838.2	866.6	895.0	902.1	968.0	1055.7	1099.6	1163.9	1292.6	1389.2	1404.5
145°	872.4	897.1	921.9	928.1	982.8	1055.7	1092.1	1144.8	1250.1	1329.0	1340.6
147.5°	906.6	930.7	954.8	960.8	1004.6	1063.0	1092.1	1133.5	1216.4	1278.6	1288.1
150°	928.8	950.6	972.3	977.8	1015.9	1066.7	1092.1	1127.1	1197.1	1249.6	1257.3
152.5°	951.8	968.3	984.9	989.0	1023.4	1069.2	1092.1	1122.0	1181.7	1226.5	1232.4
155°	986.0	998.3	1010.4	1013.5	1039.6	1074.6	1092.1	1115.9	1163.5	1199.1	1203.0
157.5°	1011.3	1023.1	1035.0	1037.9	1056.0	1080.1	1092.1	1110.6	1147.6	1175.3	1178.0
160°	1028.3	1037.5	1046.8	1049.1	1063.5	1082.6	1092.1	1108.0	1139.6	1163.5	1165.0
162.5°	1045.4	1052.3	1059.2	1061.0	1071.4	1085.3	1092.1	1105.5	1132.2	1152.3	1153.8
165°	1063.9	1070.2	1076.6	1078.1	1082.8	1089.0	1092.1	1101.7	1120.9	1135.2	1136.8
167.5°	1081.0	1084.0	1087.0	1087.7	1091.7	1096.9	1099.6	1105.9	1118.4	1127.8	1128.5
170°	1092.1	1095.1	1098.1	1098.8	1099.1	1099.4	1099.6	1105.9	1118.4	1127.8	1127.8
172.5°	1098.1	1098.7	1099.4	1099.6	1099.6	1099.6	1099.6	1104.6	1114.4	1121.9	1121.3
175°	1106.3	1106.3	1106.3	1106.3	1104.1	1101.1	1099.6	1102.7	1109.1	1113.7	1113.7
177.5°	1106.3	1106.3	1106.3	1106.3	1104.6	1102.2	1101.0	1103.5	1108.5	1112.2	1111.5
180°	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7
2.5°	1554.5	1550.2	1554.5	1551.6	1553.0	1548.7	1535.8	1531.5	1535.8	1540.1	1540.1
5°	1573.1	1570.2	1573.1	1573.1	1571.7	1568.8	1554.5	1551.6	1554.5	1555.9	1553.0
7.5°	1578.8	1574.5	1578.8	1576.0	1576.0	1573.1	1558.8	1555.9	1557.3	1561.6	1557.3
10°	1578.8	1574.5	1578.8	1577.4	1576.0	1573.1	1558.8	1553.0	1553.0	1557.3	1553.0
12.5°	1571.7	1568.8	1571.7	1568.8	1568.8	1565.9	1551.6	1545.9	1547.3	1548.7	1543.0
15°	1560.2	1555.9	1560.2	1557.3	1558.8	1554.5	1538.7	1532.9	1532.9	1535.8	1525.8
17.5°	1543.0	1537.2	1543.0	1541.6	1540.1	1537.2	1522.9	1517.2	1515.7	1517.2	1510.0
20°	1522.9	1518.6	1522.9	1521.5	1521.5	1515.7	1501.4	1494.2	1494.2	1494.2	1487.1
22.5°	1491.4	1487.1	1491.4	1494.2	1494.2	1492.8	1479.9	1469.8	1467.0	1467.0	1458.4
25°	1455.5	1451.2	1455.5	1455.5	1454.1	1455.5	1451.2	1445.5	1441.2	1436.9	1428.3
27.5°	1421.1	1418.2	1421.1	1418.2	1421.1	1416.8	1415.4	1413.9	1408.2	1403.9	1392.4
30°	1386.7	1383.8	1386.7	1383.8	1380.9	1378.1	1370.9	1368.0	1373.8	1370.9	1352.3
32.5°	1343.7	1340.8	1343.7	1343.7	1340.8	1340.8	1329.3	1325.0	1326.4	1335.1	1317.8
35°	1299.2	1294.9	1299.2	1297.8	1299.2	1294.9	1287.7	1286.3	1280.6	1290.6	1277.7
37.5°	1247.6	1243.3	1247.6	1247.6	1247.6	1250.4	1244.7	1240.4	1231.8	1244.7	1234.7
40°	1194.5	1188.8	1194.5	1193.1	1194.5	1197.4	1194.5	1191.7	1183.0	1193.1	1184.5
42.5°	1134.3	1132.9	1134.3	1135.7	1135.7	1141.5	1145.8	1140.0	1137.2	1130.0	1135.7
45°	1069.8	1066.9	1069.8	1072.6	1074.1	1076.9	1089.8	1089.8	1085.5	1074.1	1082.7
47.5°	1000.9	993.8	1000.9	1009.5	1009.5	1013.8	1026.7	1036.8	1029.6	1015.3	1019.6
50°	927.8	929.2	927.8	933.5	933.5	949.3	959.3	969.4	976.6	959.3	939.3
52.5°	856.1	854.7	856.1	860.4	866.1	873.3	890.5	900.6	912.0	902.0	870.4
55°	784.4	787.3	784.4	785.8	788.7	793.0	818.8	828.9	850.4	837.5	804.5
57.5°	712.7	708.4	712.7	715.6	717.0	721.3	742.8	761.5	774.4	775.8	735.6
60°	629.5	623.8	629.5	642.4	645.3	648.2	668.2	685.5	696.9	701.2	659.6
62.5°	556.4	546.4	556.4	565.0	570.7	577.9	592.2	618.1	628.1	629.5	570.7
65°	479.0	474.7	479.0	496.2	497.6	506.2	522.0	540.6	562.1	559.3	474.7
67.5°	408.7	408.7	408.7	420.2	428.8	433.1	453.1	461.7	489.0	491.9	395.8
70°	344.2	342.7	344.2	352.8	358.5	368.5	387.2	397.2	418.7	425.9	321.2
72.5°	282.5	281.1	282.5	289.7	295.4	304.0	319.8	331.3	349.9	358.5	249.5
75°	228.0	225.1	228.0	233.7	232.3	243.8	256.7	268.2	285.4	291.1	185.0
77.5°	174.9	174.9	174.9	180.7	180.7	192.2	197.9	212.2	222.3	230.9	136.2
80°	130.5	129.1	130.5	131.9	131.9	137.7	147.7	157.7	166.3	166.3	93.2
82.5°	91.8	88.9	91.8	91.8	91.8	94.6	100.4	103.2	109.0	113.3	58.8
85°	57.4	57.4	57.4	58.8	57.4	60.2	61.7	64.5	64.5	61.7	35.8
87.5°	37.3	35.8	37.3	35.8	35.8	34.4	34.4	34.4	33.0	31.5	20.1
90°	28.2	28.2	28.2	28.2	28.2	37.6	50.1	56.4	48.5	32.6	20.7
92.5°	113.0	90.5	113.0	135.5	141.1	200.0	278.5	317.8	279.0	201.4	143.3
95°	393.9	325.9	393.9	461.8	478.9	628.9	828.9	928.8	784.5	495.7	279.2
97.5°	943.9	814.5	943.9	1073.2	1105.5	1200.4	1326.7	1389.9	1149.2	667.7	306.6
100°	1359.9	1205.8	1359.9	1513.9	1552.4	1545.6	1536.3	1531.7	1264.6	730.3	329.6
102.5°	1769.1	1637.1	1769.1	1901.1	1934.1	1813.3	1652.3	1571.8	1300.8	759.1	352.7
105°	2290.9	2219.9	2290.9	2361.8	2379.6	2108.8	1747.9	1567.4	1305.0	780.3	386.8
107.5°	2632.6	2649.8	2632.6	2615.5	2611.2	2233.6	1730.1	1478.3	1246.9	784.3	437.3
110°	2763.0	2836.9	2763.0	2689.1	2670.7	2248.4	1685.4	1404.0	1195.4	778.3	465.5



TEST NUMBER: P935511

CATALOG NUMBER: SQ4-FA-125U-075D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2774.6	2888.2	2774.6	2661.1	2632.7	2200.6	1624.4	1336.4	1150.5	778.6	499.7
115°	2701.1	2858.4	2701.1	2543.7	2504.3	2088.1	1533.0	1255.5	1098.9	785.8	550.9
117.5°	2545.1	2719.6	2545.1	2370.5	2326.9	1951.2	1450.3	1199.8	1066.6	800.4	600.7
120°	2419.3	2588.9	2419.3	2249.8	2207.3	1864.0	1406.4	1177.5	1055.7	812.2	629.6
122.5°	2296.9	2464.2	2296.9	2129.6	2087.8	1778.7	1366.6	1160.5	1050.1	829.3	663.8
125°	2122.3	2276.4	2122.3	1968.2	1929.7	1667.1	1317.0	1141.9	1045.4	852.4	707.5
127.5°	1965.2	2095.3	1965.2	1835.2	1802.7	1577.3	1276.6	1126.4	1042.7	875.4	749.9
130°	1872.7	1992.8	1872.7	1752.5	1722.5	1521.8	1254.2	1120.3	1044.2	892.1	778.1
132.5°	1788.7	1896.2	1788.7	1681.0	1654.2	1474.5	1235.0	1115.2	1045.4	905.8	801.1
135°	1673.6	1766.3	1673.6	1580.8	1557.7	1407.2	1206.6	1106.3	1044.4	920.6	827.8
137.5°	1581.2	1657.1	1581.2	1505.3	1486.4	1359.1	1189.6	1104.8	1050.8	942.9	862.0
140°	1517.9	1588.9	1517.9	1447.0	1429.2	1319.4	1172.8	1099.6	1051.9	956.5	885.0
142.5°	1465.5	1526.5	1465.5	1404.5	1389.2	1292.6	1163.9	1099.6	1055.7	968.0	902.1
145°	1386.8	1432.9	1386.8	1340.6	1329.0	1250.1	1144.8	1092.1	1055.7	982.8	928.1
147.5°	1326.4	1364.7	1326.4	1288.1	1278.6	1216.4	1133.5	1092.1	1063.0	1004.6	960.8
150°	1288.4	1319.4	1288.4	1257.3	1249.6	1197.1	1127.1	1092.1	1066.7	1015.9	977.8
152.5°	1255.8	1279.2	1255.8	1232.4	1226.5	1181.7	1122.0	1092.1	1069.2	1023.4	989.0
155°	1218.5	1234.0	1218.5	1203.0	1199.1	1163.5	1115.9	1092.1	1074.6	1039.6	1013.5
157.5°	1188.9	1199.8	1188.9	1178.0	1175.3	1147.6	1110.6	1092.1	1080.1	1056.0	1037.9
160°	1171.3	1177.5	1171.3	1165.0	1163.5	1139.6	1108.0	1092.1	1082.6	1063.5	1049.1
162.5°	1159.7	1165.7	1159.7	1153.8	1152.3	1132.2	1105.5	1092.1	1085.3	1071.4	1061.0
165°	1143.1	1149.3	1143.1	1136.8	1135.2	1120.9	1101.7	1092.1	1089.0	1082.8	1078.1
167.5°	1131.0	1133.7	1131.0	1128.5	1127.8	1118.4	1105.9	1099.6	1096.9	1091.7	1087.7
170°	1127.8	1127.8	1127.8	1127.8	1127.8	1118.4	1105.9	1099.6	1099.4	1099.1	1098.8
172.5°	1119.0	1116.7	1119.0	1121.3	1121.9	1114.4	1104.6	1099.6	1099.6	1099.6	1099.6
175°	1113.7	1113.7	1113.7	1113.7	1113.7	1109.1	1102.7	1099.6	1101.1	1104.1	1106.3
177.5°	1109.0	1106.3	1109.0	1111.5	1112.2	1108.5	1103.5	1101.0	1102.2	1104.6	1106.3
180°	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3



TEST NUMBER: P935511
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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7
2.5°	1537.2	1528.6	1528.6	1514.3	1508.6	1504.3	1497.1	1475.6	1469.8	1464.1	1472.7
5°	1550.2	1534.4	1522.9	1497.1	1475.6	1467.0	1439.7	1388.1	1353.7	1327.9	1313.5
7.5°	1553.0	1532.9	1511.4	1471.3	1419.7	1396.7	1313.5	1218.9	1193.1	1170.1	1155.8
10°	1550.2	1527.2	1497.1	1436.9	1315.0	1274.8	1191.7	1130.0	1114.2	1109.9	1114.2
12.5°	1540.1	1518.6	1477.0	1376.6	1206.0	1178.7	1130.0	1094.1	1091.3	1098.4	1137.2
15°	1522.9	1502.8	1454.1	1296.3	1145.8	1125.7	1091.3	1078.4	1094.1	1144.3	1260.5
17.5°	1505.7	1482.8	1422.5	1217.5	1099.9	1085.5	1061.2	1087.0	1175.9	1243.3	1282.0
20°	1482.8	1455.5	1386.7	1160.1	1066.9	1054.0	1042.5	1158.7	1226.1	1250.4	1272.0
22.5°	1455.5	1426.8	1337.9	1120.0	1032.5	1022.4	1029.6	1198.8	1226.1	1243.3	1261.9
25°	1419.7	1395.3	1280.6	1088.4	1005.2	993.8	1021.0	1194.5	1210.3	1214.6	1251.9
27.5°	1386.7	1355.1	1220.3	1059.7	972.3	968.0	1028.2	1175.9	1187.4	1191.7	1231.8
30°	1346.5	1299.2	1152.9	1029.6	937.8	936.4	1029.6	1152.9	1150.1	1161.5	1201.7
32.5°	1304.9	1216.0	1076.9	992.3	904.9	903.4	1019.6	1118.5	1115.7	1131.4	1161.5
35°	1266.2	1151.5	973.7	949.3	863.3	864.7	995.2	1078.4	1079.8	1094.1	1112.8
37.5°	1226.1	1095.6	860.4	902.0	823.1	823.1	962.2	1041.1	1038.2	1042.5	1068.3
40°	1178.7	1008.1	760.0	840.3	785.8	781.5	922.1	1000.9	990.9	989.5	1025.3
42.5°	1128.6	912.0	685.5	758.6	742.8	737.1	873.3	952.2	933.5	937.8	983.7
45°	1074.1	886.2	628.1	641.0	698.4	694.1	820.2	896.2	883.3	894.8	942.1
47.5°	1019.6	834.6	609.4	532.0	651.0	649.6	761.5	841.8	834.6	846.1	896.2
50°	945.0	777.2	608.0	456.0	598.0	603.7	691.2	788.7	788.7	798.7	851.8
52.5°	848.9	707.0	552.1	413.0	536.3	553.5	629.5	742.8	745.7	755.7	803.0
55°	761.5	633.8	511.9	380.0	463.2	500.5	569.3	695.5	701.2	711.3	754.3
57.5°	681.2	527.7	503.3	341.3	395.8	431.6	516.2	649.6	652.5	661.1	702.7
60°	595.1	381.4	461.7	299.7	337.0	364.2	467.5	595.1	605.1	610.9	646.7
62.5°	497.6	276.8	418.7	271.0	308.3	314.0	427.3	543.5	556.4	560.7	582.2
65°	354.2	232.3	355.6	246.6	278.2	279.6	384.3	490.4	501.9	509.1	524.8
67.5°	239.5	189.3	271.0	223.7	255.3	256.7	342.7	428.8	444.5	450.3	460.3
70°	166.3	126.2	200.8	199.3	229.4	232.3	298.3	372.8	387.2	391.5	397.2
72.5°	121.9	101.8	166.3	179.2	202.2	205.1	252.4	309.7	324.1	328.4	331.3
75°	93.2	107.6	134.8	156.3	172.1	173.5	206.5	252.4	262.4	265.3	266.7
77.5°	74.6	100.4	98.9	126.2	140.5	137.7	162.0	195.0	203.6	203.6	203.6
80°	55.9	78.9	74.6	90.3	103.2	100.4	116.2	139.1	142.0	144.8	143.4
82.5°	41.6	50.2	50.2	57.4	68.8	66.0	77.4	90.3	90.3	90.3	93.2
85°	25.8	28.7	22.9	30.1	38.7	37.3	43.0	48.8	50.2	50.2	47.3
87.5°	15.8	12.9	7.2	11.5	17.2	17.2	20.1	21.5	20.1	20.1	20.1
90°	19.3	13.4	7.5	13.4	19.3	20.7	32.6	48.5	56.4	50.1	37.6
92.5°	130.7	80.2	29.7	80.2	130.7	143.3	201.4	279.0	317.8	278.5	200.0
95°	256.0	163.7	71.3	163.7	256.0	279.2	495.7	784.5	928.8	828.9	628.9
97.5°	286.2	204.7	123.2	204.7	286.2	306.6	667.7	1149.2	1389.9	1326.7	1200.4
100°	311.2	237.3	163.4	237.3	311.2	329.6	730.3	1264.6	1531.7	1536.3	1545.6
102.5°	335.5	266.4	197.5	266.4	335.5	352.7	759.1	1300.8	1571.8	1652.3	1813.3
105°	372.2	313.9	255.4	313.9	372.2	386.8	780.3	1305.0	1567.4	1747.9	2108.8
107.5°	423.7	369.2	314.8	369.2	423.7	437.3	784.3	1246.9	1478.3	1730.1	2233.6
110°	453.1	404.0	354.9	404.0	453.1	465.5	778.3	1195.4	1404.0	1685.4	2248.4



TEST NUMBER: P935511

CATALOG NUMBER: SQ4-FA-125U-075D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	487.9	441.1	394.3	441.1	487.9	499.7	778.6	1150.5	1336.4	1624.4	2200.6
115°	540.1	496.8	453.6	496.8	540.1	550.9	785.8	1098.9	1255.5	1533.0	2088.1
117.5°	590.8	551.6	512.3	551.6	590.8	600.7	800.4	1066.6	1199.8	1450.3	1951.2
120°	620.3	583.4	546.4	583.4	620.3	629.6	812.2	1055.7	1177.5	1406.4	1864.0
122.5°	654.5	617.2	579.9	617.2	654.5	663.8	829.3	1050.1	1160.5	1366.6	1778.7
125°	699.0	665.1	631.1	665.1	699.0	707.5	852.4	1045.4	1141.9	1317.0	1667.1
127.5°	741.3	707.0	672.6	707.0	741.3	749.9	875.4	1042.7	1126.4	1276.6	1577.3
130°	768.8	731.9	694.9	731.9	768.8	778.1	892.1	1044.2	1120.3	1254.2	1521.8
132.5°	791.9	755.0	718.0	755.0	791.9	801.1	905.8	1045.4	1115.2	1235.0	1474.5
135°	819.4	785.7	752.1	785.7	819.4	827.8	920.6	1044.4	1106.3	1206.6	1407.2
137.5°	853.7	820.3	787.0	820.3	853.7	862.0	942.9	1050.8	1104.8	1189.6	1359.1
140°	877.3	846.6	815.9	846.6	877.3	885.0	956.5	1051.9	1099.6	1172.8	1319.4
142.5°	895.0	866.6	838.2	866.6	895.0	902.1	968.0	1055.7	1099.6	1163.9	1292.6
145°	921.9	897.1	872.4	897.1	921.9	928.1	982.8	1055.7	1092.1	1144.8	1250.1
147.5°	954.8	930.7	906.6	930.7	954.8	960.8	1004.6	1063.0	1092.1	1133.5	1216.4
150°	972.3	950.6	928.8	950.6	972.3	977.8	1015.9	1066.7	1092.1	1127.1	1197.1
152.5°	984.9	968.3	951.8	968.3	984.9	989.0	1023.4	1069.2	1092.1	1122.0	1181.7
155°	1010.4	998.3	986.0	998.3	1010.4	1013.5	1039.6	1074.6	1092.1	1115.9	1163.5
157.5°	1035.0	1023.1	1011.3	1023.1	1035.0	1037.9	1056.0	1080.1	1092.1	1110.6	1147.6
160°	1046.8	1037.5	1028.3	1037.5	1046.8	1049.1	1063.5	1082.6	1092.1	1108.0	1139.6
162.5°	1059.2	1052.3	1045.4	1052.3	1059.2	1061.0	1071.4	1085.3	1092.1	1105.5	1132.2
165°	1076.6	1070.2	1063.9	1070.2	1076.6	1078.1	1082.8	1089.0	1092.1	1101.7	1120.9
167.5°	1087.0	1084.0	1081.0	1084.0	1087.0	1087.7	1091.7	1096.9	1099.6	1105.9	1118.4
170°	1098.1	1095.1	1092.1	1095.1	1098.1	1098.8	1099.1	1099.4	1099.6	1105.9	1118.4
172.5°	1099.4	1098.7	1098.1	1098.7	1099.4	1099.6	1099.6	1099.6	1099.6	1104.6	1114.4
175°	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1104.1	1101.1	1099.6	1102.7	1109.1
177.5°	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1104.6	1102.2	1101.0	1103.5	1108.5
180°	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3



TEST NUMBER: P935511
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7
2.5°	1462.7	1458.4	1464.1	1448.3	1464.1	1458.4	1462.7	1472.7	1464.1	1469.8	1475.6
5°	1283.4	1276.3	1253.3	1234.7	1253.3	1276.3	1283.4	1313.5	1327.9	1353.7	1388.1
7.5°	1147.2	1141.5	1135.7	1124.3	1135.7	1141.5	1147.2	1155.8	1170.1	1193.1	1218.9
10°	1117.1	1118.5	1127.1	1125.7	1127.1	1118.5	1117.1	1114.2	1109.9	1114.2	1130.0
12.5°	1194.5	1207.4	1254.8	1251.9	1254.8	1207.4	1194.5	1137.2	1098.4	1091.3	1094.1
15°	1283.4	1287.7	1297.8	1299.2	1297.8	1287.7	1283.4	1260.5	1144.3	1094.1	1078.4
17.5°	1292.0	1293.5	1300.6	1300.6	1300.6	1293.5	1292.0	1282.0	1243.3	1175.9	1087.0
20°	1284.9	1287.7	1302.1	1304.9	1302.1	1287.7	1284.9	1272.0	1250.4	1226.1	1158.7
22.5°	1282.0	1287.7	1299.2	1297.8	1299.2	1287.7	1282.0	1261.9	1243.3	1226.1	1198.8
25°	1267.7	1267.7	1269.1	1270.5	1269.1	1267.7	1267.7	1251.9	1214.6	1210.3	1194.5
27.5°	1237.5	1240.4	1249.0	1247.6	1249.0	1240.4	1237.5	1231.8	1191.7	1187.4	1175.9
30°	1210.3	1207.4	1200.3	1194.5	1200.3	1207.4	1210.3	1201.7	1161.5	1150.1	1152.9
32.5°	1164.4	1157.2	1150.1	1145.8	1150.1	1157.2	1164.4	1161.5	1131.4	1115.7	1118.5
35°	1109.9	1111.4	1109.9	1105.6	1109.9	1111.4	1109.9	1112.8	1094.1	1079.8	1078.4
37.5°	1071.2	1074.1	1072.6	1066.9	1072.6	1074.1	1071.2	1068.3	1042.5	1038.2	1041.1
40°	1031.0	1032.5	1031.0	1026.7	1031.0	1032.5	1031.0	1025.3	989.5	990.9	1000.9
42.5°	992.3	990.9	986.6	983.7	986.6	990.9	992.3	983.7	937.8	933.5	952.2
45°	947.9	949.3	940.7	936.4	940.7	949.3	947.9	942.1	894.8	883.3	896.2
47.5°	903.4	903.4	896.2	891.9	896.2	903.4	903.4	896.2	846.1	834.6	841.8
50°	856.1	854.7	844.6	843.2	844.6	854.7	856.1	851.8	798.7	788.7	788.7
52.5°	801.6	801.6	803.0	805.9	803.0	801.6	801.6	803.0	755.7	745.7	742.8
55°	754.3	755.7	765.8	768.6	765.8	755.7	754.3	754.3	711.3	701.2	695.5
57.5°	705.5	705.5	712.7	712.7	712.7	705.5	705.5	702.7	661.1	652.5	649.6
60°	649.6	652.5	658.2	656.8	658.2	652.5	649.6	646.7	610.9	605.1	595.1
62.5°	590.8	593.7	595.1	592.2	595.1	593.7	590.8	582.2	560.7	556.4	543.5
65°	529.1	532.0	533.4	530.6	533.4	532.0	529.1	524.8	509.1	501.9	490.4
67.5°	466.0	464.6	463.2	468.9	463.2	464.6	466.0	460.3	450.3	444.5	428.8
70°	401.5	401.5	400.1	403.0	400.1	401.5	401.5	397.2	391.5	387.2	372.8
72.5°	332.7	331.3	337.0	332.7	337.0	331.3	332.7	331.3	328.4	324.1	309.7
75°	265.3	268.2	265.3	269.6	265.3	268.2	265.3	266.7	265.3	262.4	252.4
77.5°	202.2	205.1	202.2	202.2	202.2	205.1	202.2	203.6	203.6	203.6	195.0
80°	143.4	142.0	142.0	140.5	142.0	142.0	143.4	143.4	144.8	142.0	139.1
82.5°	91.8	90.3	90.3	93.2	90.3	90.3	91.8	93.2	90.3	90.3	90.3
85°	50.2	51.6	48.8	48.8	48.8	51.6	50.2	47.3	50.2	50.2	48.8
87.5°	18.6	17.2	17.2	17.2	17.2	17.2	18.6	20.1	20.1	20.1	21.5
90°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	37.6	50.1	56.4	48.5
92.5°	141.1	135.5	113.0	90.5	113.0	135.5	141.1	200.0	278.5	317.8	279.0
95°	478.9	461.8	393.9	325.9	393.9	461.8	478.9	628.9	828.9	928.8	784.5
97.5°	1105.5	1073.2	943.9	814.5	943.9	1073.2	1105.5	1200.4	1326.7	1389.9	1149.2
100°	1552.4	1513.9	1359.9	1205.8	1359.9	1513.9	1552.4	1545.6	1536.3	1531.7	1264.6
102.5°	1934.1	1901.1	1769.1	1637.1	1769.1	1901.1	1934.1	1813.3	1652.3	1571.8	1300.8
105°	2379.6	2361.8	2290.9	2219.9	2290.9	2361.8	2379.6	2108.8	1747.9	1567.4	1305.0
107.5°	2611.2	2615.5	2632.6	2649.8	2632.6	2615.5	2611.2	2233.6	1730.1	1478.3	1246.9
110°	2670.7	2689.1	2763.0	2836.9	2763.0	2689.1	2670.7	2248.4	1685.4	1404.0	1195.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2632.7	2661.1	2774.6	2888.2	2774.6	2661.1	2632.7	2200.6	1624.4	1336.4	1150.5
115°	2504.3	2543.7	2701.1	2858.4	2701.1	2543.7	2504.3	2088.1	1533.0	1255.5	1098.9
117.5°	2326.9	2370.5	2545.1	2719.6	2545.1	2370.5	2326.9	1951.2	1450.3	1199.8	1066.6
120°	2207.3	2249.8	2419.3	2588.9	2419.3	2249.8	2207.3	1864.0	1406.4	1177.5	1055.7
122.5°	2087.8	2129.6	2296.9	2464.2	2296.9	2129.6	2087.8	1778.7	1366.6	1160.5	1050.1
125°	1929.7	1968.2	2122.3	2276.4	2122.3	1968.2	1929.7	1667.1	1317.0	1141.9	1045.4
127.5°	1802.7	1835.2	1965.2	2095.3	1965.2	1835.2	1802.7	1577.3	1276.6	1126.4	1042.7
130°	1722.5	1752.5	1872.7	1992.8	1872.7	1752.5	1722.5	1521.8	1254.2	1120.3	1044.2
132.5°	1654.2	1681.0	1788.7	1896.2	1788.7	1681.0	1654.2	1474.5	1235.0	1115.2	1045.4
135°	1557.7	1580.8	1673.6	1766.3	1673.6	1580.8	1557.7	1407.2	1206.6	1106.3	1044.4
137.5°	1486.4	1505.3	1581.2	1657.1	1581.2	1505.3	1486.4	1359.1	1189.6	1104.8	1050.8
140°	1429.2	1447.0	1517.9	1588.9	1517.9	1447.0	1429.2	1319.4	1172.8	1099.6	1051.9
142.5°	1389.2	1404.5	1465.5	1526.5	1465.5	1404.5	1389.2	1292.6	1163.9	1099.6	1055.7
145°	1329.0	1340.6	1386.8	1432.9	1386.8	1340.6	1329.0	1250.1	1144.8	1092.1	1055.7
147.5°	1278.6	1288.1	1326.4	1364.7	1326.4	1288.1	1278.6	1216.4	1133.5	1092.1	1063.0
150°	1249.6	1257.3	1288.4	1319.4	1288.4	1257.3	1249.6	1197.1	1127.1	1092.1	1066.7
152.5°	1226.5	1232.4	1255.8	1279.2	1255.8	1232.4	1226.5	1181.7	1122.0	1092.1	1069.2
155°	1199.1	1203.0	1218.5	1234.0	1218.5	1203.0	1199.1	1163.5	1115.9	1092.1	1074.6
157.5°	1175.3	1178.0	1188.9	1199.8	1188.9	1178.0	1175.3	1147.6	1110.6	1092.1	1080.1
160°	1163.5	1165.0	1171.3	1177.5	1171.3	1165.0	1163.5	1139.6	1108.0	1092.1	1082.6
162.5°	1152.3	1153.8	1159.7	1165.7	1159.7	1153.8	1152.3	1132.2	1105.5	1092.1	1085.3
165°	1135.2	1136.8	1143.1	1149.3	1143.1	1136.8	1135.2	1120.9	1101.7	1092.1	1089.0
167.5°	1127.8	1128.5	1131.0	1133.7	1131.0	1128.5	1127.8	1118.4	1105.9	1099.6	1096.9
170°	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1127.8	1118.4	1105.9	1099.6	1099.4
172.5°	1121.9	1121.3	1119.0	1116.7	1119.0	1121.3	1121.9	1114.4	1104.6	1099.6	1099.6
175°	1113.7	1113.7	1113.7	1113.7	1113.7	1113.7	1113.7	1109.1	1102.7	1099.6	1101.1
177.5°	1112.2	1111.5	1109.0	1106.3	1109.0	1111.5	1112.2	1108.5	1103.5	1101.0	1102.2
180°	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1515.7	1515.7	1515.7	1515.7	1515.7
2.5°	1497.1	1504.3	1508.6	1514.3	1528.6
5°	1439.7	1467.0	1475.6	1497.1	1522.9
7.5°	1313.5	1396.7	1419.7	1471.3	1511.4
10°	1191.7	1274.8	1315.0	1436.9	1497.1
12.5°	1130.0	1178.7	1206.0	1376.6	1477.0
15°	1091.3	1125.7	1145.8	1296.3	1454.1
17.5°	1061.2	1085.5	1099.9	1217.5	1422.5
20°	1042.5	1054.0	1066.9	1160.1	1386.7
22.5°	1029.6	1022.4	1032.5	1120.0	1337.9
25°	1021.0	993.8	1005.2	1088.4	1280.6
27.5°	1028.2	968.0	972.3	1059.7	1220.3
30°	1029.6	936.4	937.8	1029.6	1152.9
32.5°	1019.6	903.4	904.9	992.3	1076.9
35°	995.2	864.7	863.3	949.3	973.7
37.5°	962.2	823.1	823.1	902.0	860.4
40°	922.1	781.5	785.8	840.3	760.0
42.5°	873.3	737.1	742.8	758.6	685.5
45°	820.2	694.1	698.4	641.0	628.1
47.5°	761.5	649.6	651.0	532.0	609.4
50°	691.2	603.7	598.0	456.0	608.0
52.5°	629.5	553.5	536.3	413.0	552.1
55°	569.3	500.5	463.2	380.0	511.9
57.5°	516.2	431.6	395.8	341.3	503.3
60°	467.5	364.2	337.0	299.7	461.7
62.5°	427.3	314.0	308.3	271.0	418.7
65°	384.3	279.6	278.2	246.6	355.6
67.5°	342.7	256.7	255.3	223.7	271.0
70°	298.3	232.3	229.4	199.3	200.8
72.5°	252.4	205.1	202.2	179.2	166.3
75°	206.5	173.5	172.1	156.3	134.8
77.5°	162.0	137.7	140.5	126.2	98.9
80°	116.2	100.4	103.2	90.3	74.6
82.5°	77.4	66.0	68.8	57.4	50.2
85°	43.0	37.3	38.7	30.1	22.9
87.5°	20.1	17.2	17.2	11.5	7.2
90°	32.6	20.7	19.3	13.4	7.5
92.5°	201.4	143.3	130.7	80.2	29.7
95°	495.7	279.2	256.0	163.7	71.3
97.5°	667.7	306.6	286.2	204.7	123.2
100°	730.3	329.6	311.2	237.3	163.4
102.5°	759.1	352.7	335.5	266.4	197.5
105°	780.3	386.8	372.2	313.9	255.4
107.5°	784.3	437.3	423.7	369.2	314.8
110°	778.3	465.5	453.1	404.0	354.9



TEST NUMBER: P935511

CATALOG NUMBER: SQ4-FA-125U-075D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	778.6	499.7	487.9	441.1	394.3
115°	785.8	550.9	540.1	496.8	453.6
117.5°	800.4	600.7	590.8	551.6	512.3
120°	812.2	629.6	620.3	583.4	546.4
122.5°	829.3	663.8	654.5	617.2	579.9
125°	852.4	707.5	699.0	665.1	631.1
127.5°	875.4	749.9	741.3	707.0	672.6
130°	892.1	778.1	768.8	731.9	694.9
132.5°	905.8	801.1	791.9	755.0	718.0
135°	920.6	827.8	819.4	785.7	752.1
137.5°	942.9	862.0	853.7	820.3	787.0
140°	956.5	885.0	877.3	846.6	815.9
142.5°	968.0	902.1	895.0	866.6	838.2
145°	982.8	928.1	921.9	897.1	872.4
147.5°	1004.6	960.8	954.8	930.7	906.6
150°	1015.9	977.8	972.3	950.6	928.8
152.5°	1023.4	989.0	984.9	968.3	951.8
155°	1039.6	1013.5	1010.4	998.3	986.0
157.5°	1056.0	1037.9	1035.0	1023.1	1011.3
160°	1063.5	1049.1	1046.8	1037.5	1028.3
162.5°	1071.4	1061.0	1059.2	1052.3	1045.4
165°	1082.8	1078.1	1076.6	1070.2	1063.9
167.5°	1091.7	1087.7	1087.0	1084.0	1081.0
170°	1099.1	1098.8	1098.1	1095.1	1092.1
172.5°	1099.6	1099.6	1099.4	1098.7	1098.1
175°	1104.1	1106.3	1106.3	1106.3	1106.3
177.5°	1104.6	1106.3	1106.3	1106.3	1106.3
180°	1106.3	1106.3	1106.3	1106.3	1106.3



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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	11.06	11.80	12.13	12.88	14.34	13.88	14.63	14.95	15.70	17.16
	3H	11.53	12.19	12.61	13.27	14.76	15.22	15.88	16.30	16.97	18.45
	4H	11.71	12.34	12.80	13.43	14.92	15.65	16.29	16.75	17.37	18.86
	6H	11.82	12.41	12.93	13.49	14.99	15.93	16.51	17.03	17.60	19.10
	8H	11.82	12.37	12.93	13.48	14.97	16.00	16.55	17.11	17.66	19.15
	12H	11.79	12.31	12.90	13.41	14.93	16.03	16.56	17.15	17.66	19.18
4H	2H	12.07	12.71	13.17	13.79	15.28	14.28	14.91	15.38	15.99	17.48
	3H	13.09	13.62	14.20	14.73	16.23	15.77	16.30	16.88	17.41	18.91
	4H	13.36	13.84	14.47	14.95	16.47	16.29	16.77	17.40	17.88	19.40
	6H	13.48	13.89	14.60	15.02	16.53	16.65	17.06	17.77	18.19	19.70
	8H	13.48	13.87	14.60	14.99	16.52	16.75	17.14	17.87	18.25	19.79
	12H	13.44	13.79	14.58	14.92	16.46	16.80	17.15	17.94	18.28	19.82
8H	4H	13.80	14.19	14.92	15.31	16.84	16.41	16.79	17.53	17.91	19.44
	6H	14.06	14.38	15.20	15.54	17.07	16.84	17.16	17.98	18.31	19.84
	8H	14.10	14.38	15.25	15.52	17.07	16.99	17.27	18.13	18.40	19.95
	12H	14.08	14.33	15.23	15.46	17.05	17.08	17.32	18.23	18.46	20.04
12H	4H	13.80	14.15	14.94	15.28	16.82	16.37	16.72	17.50	17.84	19.38
	6H	14.12	14.40	15.27	15.54	17.09	16.83	17.11	17.98	18.25	19.80
	8H	14.18	14.43	15.33	15.56	17.15	16.99	17.23	18.14	18.37	19.95