

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: P934653

Luminaire Tested: SQ4-FA-075U-050D-93050-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934653
REPORT IS A COMBINATION OF REPORTS P933705 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-050D-93050-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

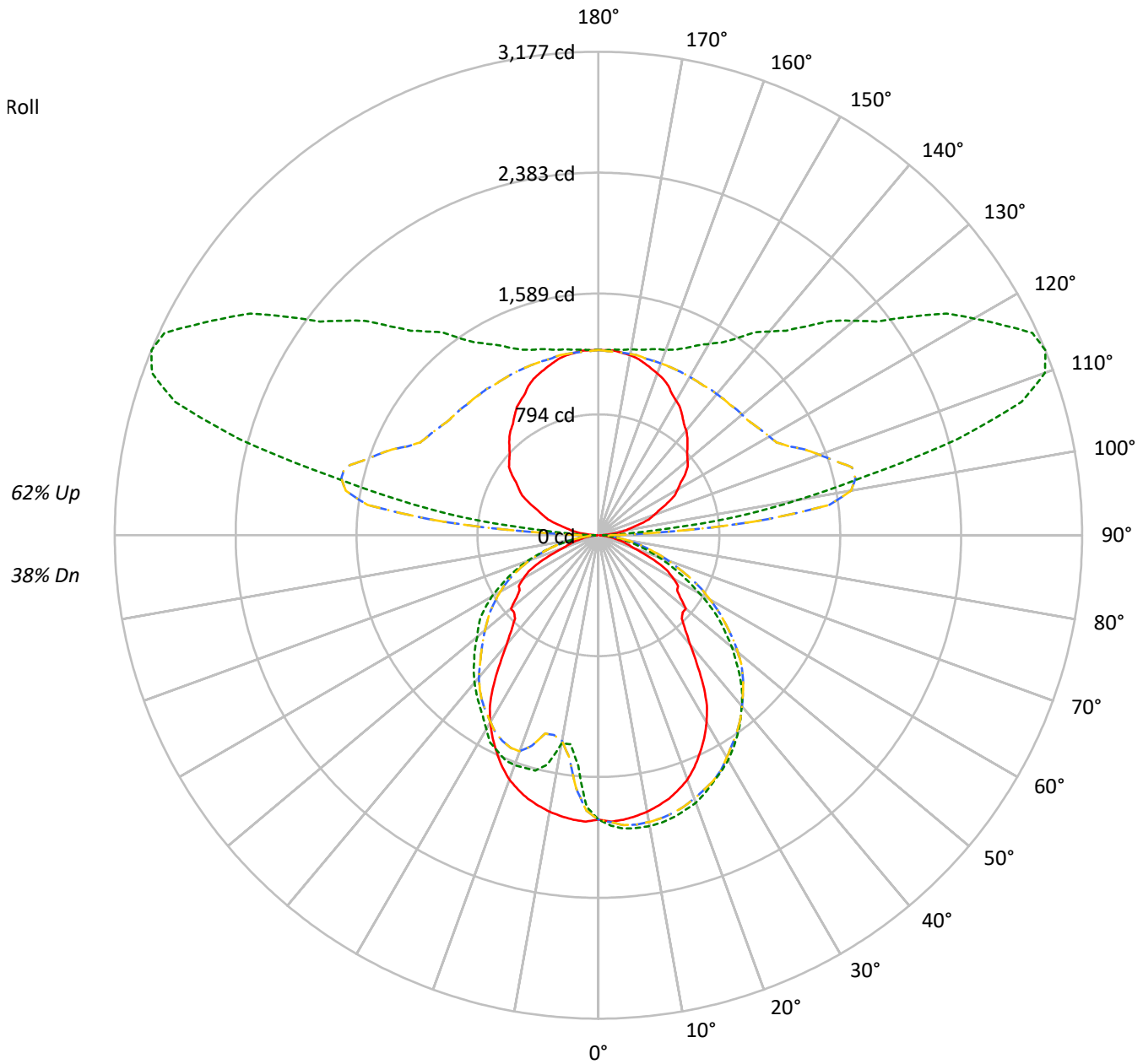
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12737.2 lumens
Efficiency: N/A
Efficacy: 123.4 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: Semi-Indirect

Input Watts (W): 103.2
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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38			38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32			32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27			27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23			23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20			20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17			17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15			15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13			13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12			12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11			11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10			10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5777	5777	5777	5777
5°	5823	5832	5823	4586
10°	5786	5745	5786	4107
15°	5725	5620	5725	4693
20°	5608	5473	5608	4703
25°	5365	5258	5365	4603
30°	5050	5079	5050	4384
35°	4504	4853	4504	4144
40°	3755	4587	3755	3962
45°	3358	4276	3358	3753
50°	3570	3905	3570	3543
55°	3362	3506	3362	3422
60°	3470	2977	3470	3135
65°	3152	2461	3152	2751
70°	2187	1962	2187	2306
75°	1925	1450	1925	1736
80°	1563	959	1563	1044
85°	917	508	917	432

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5143 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	1.3
10°-20°	478.7	3.8
20°-30°	740.0	5.8
30°-40°	883.4	6.9
40°-50°	888.6	7.0
50°-60°	773.2	6.1
60°-70°	548.2	4.3
70°-80°	290.0	2.3
80°-90°	76.9	0.6
90°-100°	593.2	4.7
100°-110°	1559.7	12.2
110°-120°	1617.2	12.7
120°-130°	1297.2	10.2
130°-140°	1017.8	8.0
140°-150°	781.2	6.1
150°-160°	562.6	4.4
160°-170°	344.2	2.7
170°-180°	116.3	0.9
0°-30°	1387.3	10.9
0°-40°	2270.7	17.8
0°-60°	3932.5	30.9
0°-90°	4847.6	38.1
90°-120°	3770.1	29.6
90°-150°	6866.4	53.9
90°-180°	7890.0	61.9
0°-180°	12737.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1868	1868	1868	1868	1868	
5°	1877	1935	1877	1522	1877	178
15°	1792	1917	1792	1601	1792	504
25°	1578	1788	1578	1566	1578	725
35°	1200	1596	1200	1362	1200	742
45°	774	1315	774	1154	774	620
55°	631	970	631	947	631	580
65°	438	585	438	654	438	419
75°	166	278	166	332	166	175
85°	28	71	28	60	28	38
90°	8	31	8	31	8	8
95°	78	359	78	359	78	87
105°	281	2442	281	2442	281	298
115°	499	3145	499	3145	499	493
125°	694	2504	694	2504	694	616
135°	827	1943	827	1943	827	640
145°	960	1576	960	1576	960	601
155°	1085	1358	1085	1358	1085	498
165°	1170	1264	1170	1264	1170	330
175°	1217	1225	1217	1225	1217	116
180°	1217	1217	1217	1217	1217	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1883.7	1883.7	1894.3	1897.8	1897.8	1892.6	1887.3	1892.6	1908.5	1913.7	1912.0
5°	1876.7	1890.8	1910.2	1913.7	1917.3	1915.6	1912.0	1915.6	1933.2	1936.7	1938.5
7.5°	1862.5	1889.0	1913.7	1919.1	1924.4	1919.1	1917.3	1920.8	1938.5	1942.0	1942.0
10°	1844.9	1881.9	1910.2	1913.7	1919.1	1913.7	1913.7	1920.8	1938.5	1942.0	1943.9
12.5°	1820.1	1871.4	1897.8	1901.4	1908.5	1906.7	1904.9	1912.0	1929.7	1933.2	1933.2
15°	1791.8	1851.9	1876.7	1880.2	1892.6	1889.0	1889.0	1896.1	1915.6	1920.8	1919.1
17.5°	1753.0	1827.2	1855.5	1860.8	1869.6	1867.8	1869.6	1876.7	1894.3	1897.8	1899.7
20°	1708.8	1793.6	1827.2	1832.5	1841.4	1841.4	1841.4	1850.1	1867.8	1874.9	1874.9
22.5°	1648.7	1758.3	1793.6	1797.2	1807.7	1807.7	1811.3	1823.6	1839.5	1841.4	1841.4
25°	1578.0	1719.4	1749.4	1760.0	1770.7	1775.9	1781.3	1788.3	1793.6	1791.8	1793.6
27.5°	1503.8	1669.9	1708.8	1715.8	1730.0	1735.3	1742.4	1744.1	1745.9	1751.2	1747.6
30°	1420.7	1601.0	1659.3	1666.4	1689.3	1692.9	1685.8	1689.3	1698.2	1701.7	1705.2
32.5°	1327.1	1498.5	1608.1	1624.0	1645.1	1634.6	1632.8	1638.1	1652.3	1652.3	1655.8
35°	1199.8	1419.0	1560.4	1574.5	1590.4	1578.0	1585.1	1586.8	1595.7	1601.0	1599.2
37.5°	1060.3	1350.0	1510.9	1521.5	1533.9	1518.0	1528.5	1533.9	1540.9	1537.4	1537.4
40°	936.5	1242.3	1452.5	1459.6	1470.2	1457.9	1468.4	1472.0	1475.5	1472.0	1470.2
42.5°	844.7	1123.9	1390.7	1399.6	1392.5	1401.3	1404.8	1412.0	1406.6	1399.6	1399.6
45°	774.0	1092.1	1323.6	1334.1	1323.6	1337.7	1343.0	1343.0	1327.1	1323.6	1321.8
47.5°	751.0	1028.5	1256.4	1256.4	1251.1	1268.8	1277.6	1265.3	1249.4	1244.0	1244.0
50°	749.3	957.8	1164.5	1157.4	1182.2	1203.4	1194.6	1182.2	1169.8	1150.4	1150.4
52.5°	680.3	871.2	1046.1	1072.7	1111.5	1123.9	1109.7	1097.3	1076.2	1067.3	1060.3
55°	630.9	781.1	938.3	991.3	1032.0	1047.9	1021.4	1009.0	977.2	971.9	968.4
57.5°	620.3	650.3	839.4	906.5	956.0	954.3	938.3	915.4	888.8	883.6	881.8
60°	569.1	470.1	733.4	812.9	864.1	858.8	844.7	823.5	798.7	795.2	791.7
62.5°	516.0	341.0	613.1	703.3	775.7	774.0	761.7	729.8	712.1	703.3	696.2
65°	438.3	286.2	436.5	584.9	689.2	692.7	666.2	643.3	623.8	613.1	611.4
67.5°	334.0	233.3	295.1	487.7	606.1	602.6	569.1	558.4	533.7	528.4	517.8
70°	247.4	155.5	205.0	395.9	524.9	516.0	489.5	477.1	454.2	441.8	434.7
72.5°	205.0	125.4	150.2	307.5	441.8	431.2	408.2	394.1	374.6	364.1	356.9
75°	166.1	132.5	114.9	227.9	358.7	351.7	330.4	316.3	300.4	286.2	288.0
77.5°	121.9	123.7	91.9	167.8	284.5	273.9	261.6	243.9	236.8	222.6	222.6
80°	91.9	97.2	68.9	114.9	205.0	205.0	194.4	182.0	169.6	162.6	162.6
82.5°	61.8	61.8	51.2	72.5	139.6	134.3	127.3	123.7	116.6	113.1	113.1
85°	28.3	35.3	31.8	44.2	76.0	79.5	79.5	76.0	74.2	70.7	72.5
87.5°	8.9	15.9	19.4	24.8	38.9	40.7	42.4	42.4	42.4	44.2	44.2
90°	8.2	14.7	21.2	22.8	35.9	53.4	62.1	55.2	41.4	31.0	31.0
92.5°	32.7	88.2	143.8	157.7	221.6	306.9	349.6	306.4	220.0	155.2	149.0
95°	78.4	180.1	281.8	307.1	545.3	863.0	1021.8	911.9	691.8	526.8	508.1
97.5°	135.6	225.3	315.0	337.4	734.6	1264.2	1529.0	1459.5	1320.4	1216.2	1180.6
100°	179.7	261.0	342.4	362.7	803.5	1391.1	1685.0	1690.1	1700.3	1707.9	1665.5
102.5°	217.3	293.2	369.0	387.9	835.0	1431.1	1729.2	1817.7	1994.9	2127.8	2091.5
105°	281.0	345.3	409.5	425.5	858.5	1435.7	1724.3	1922.9	2320.0	2617.9	2598.4
107.5°	346.3	406.2	466.1	481.1	862.8	1371.8	1626.3	1903.3	2457.2	2872.7	2877.4
110°	390.4	444.5	498.6	512.1	856.3	1315.2	1544.6	1854.3	2473.6	2938.0	2958.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	433.7	485.3	536.8	549.7	856.6	1265.7	1470.3	1787.2	2421.0	2896.4	2927.6
115°	499.1	546.6	594.2	606.0	864.4	1209.0	1381.2	1686.5	2297.1	2755.1	2798.4
117.5°	563.6	606.8	649.9	660.7	880.5	1173.4	1319.9	1595.4	2146.5	2559.8	2607.9
120°	601.2	641.9	682.4	692.6	893.6	1161.5	1295.4	1547.1	2050.7	2428.3	2475.0
122.5°	637.9	678.9	719.9	730.2	912.4	1155.2	1276.6	1503.3	1956.8	2296.8	2342.9
125°	694.3	731.7	769.1	778.4	937.7	1150.0	1256.2	1448.8	1834.0	2122.9	2165.3
127.5°	740.1	777.8	815.6	825.0	963.1	1147.1	1239.1	1404.5	1735.2	1983.2	2019.0
130°	764.6	805.2	845.8	856.0	981.5	1148.8	1232.5	1379.7	1674.1	1894.9	1928.0
132.5°	789.9	830.5	871.1	881.3	996.4	1150.0	1226.8	1358.6	1622.1	1819.8	1849.4
135°	827.4	864.4	901.5	910.7	1012.9	1149.0	1217.1	1327.4	1548.1	1713.7	1739.1
137.5°	865.8	902.5	939.2	948.3	1037.4	1156.0	1215.4	1308.7	1495.3	1635.2	1656.1
140°	897.6	931.4	965.2	973.6	1052.3	1157.2	1209.7	1290.3	1451.5	1572.3	1591.8
142.5°	922.1	953.4	984.6	992.4	1064.9	1161.4	1209.7	1280.5	1422.1	1528.2	1545.0
145°	959.7	986.9	1014.2	1021.0	1081.2	1161.4	1201.5	1259.4	1375.2	1462.1	1474.8
147.5°	997.3	1023.8	1050.4	1056.9	1105.2	1169.4	1201.5	1247.1	1338.2	1406.5	1417.1
150°	1021.8	1045.8	1069.8	1075.7	1117.6	1173.6	1201.5	1240.0	1316.9	1374.6	1383.1
152.5°	1047.1	1065.3	1083.4	1088.0	1125.8	1176.3	1201.5	1234.4	1300.1	1349.3	1355.7
155°	1084.7	1098.1	1111.6	1114.9	1143.8	1182.3	1201.5	1227.7	1279.9	1319.1	1323.4
157.5°	1112.5	1125.5	1138.6	1141.9	1161.7	1188.3	1201.5	1221.8	1262.5	1292.9	1295.9
160°	1131.3	1141.4	1151.6	1154.2	1170.0	1191.0	1201.5	1218.9	1253.8	1279.9	1281.7
162.5°	1150.0	1157.7	1165.2	1167.2	1178.6	1193.9	1201.5	1216.2	1245.6	1267.7	1269.3
165°	1170.5	1177.4	1184.2	1186.0	1191.2	1198.1	1201.5	1212.1	1233.0	1248.9	1250.6
167.5°	1189.2	1192.5	1195.8	1196.6	1201.0	1206.8	1209.7	1216.5	1230.3	1240.7	1241.4
170°	1201.5	1204.8	1208.1	1208.9	1209.2	1209.5	1209.7	1216.5	1230.3	1240.7	1240.7
172.5°	1208.0	1208.7	1209.5	1209.7	1209.7	1209.7	1209.7	1215.1	1226.0	1234.2	1233.6
175°	1217.1	1217.1	1217.1	1217.1	1214.6	1211.4	1209.7	1213.1	1220.0	1225.2	1225.2
177.5°	1217.1	1217.1	1217.1	1217.1	1215.1	1212.6	1211.4	1214.1	1219.5	1223.6	1222.9
180°	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1915.6	1910.2	1915.6	1912.0	1913.7	1908.5	1892.6	1887.3	1892.6	1897.8	1897.8
5°	1938.5	1935.0	1938.5	1938.5	1936.7	1933.2	1915.6	1912.0	1915.6	1917.3	1913.7
7.5°	1945.6	1940.3	1945.6	1942.0	1942.0	1938.5	1920.8	1917.3	1919.1	1924.4	1919.1
10°	1945.6	1940.3	1945.6	1943.9	1942.0	1938.5	1920.8	1913.7	1913.7	1919.1	1913.7
12.5°	1936.7	1933.2	1936.7	1933.2	1933.2	1929.7	1912.0	1904.9	1906.7	1908.5	1901.4
15°	1922.6	1917.3	1922.6	1919.1	1920.8	1915.6	1896.1	1889.0	1889.0	1892.6	1880.2
17.5°	1901.4	1894.3	1901.4	1899.7	1897.8	1894.3	1876.7	1869.6	1867.8	1869.6	1860.8
20°	1876.7	1871.4	1876.7	1874.9	1874.9	1867.8	1850.1	1841.4	1841.4	1841.4	1832.5
22.5°	1837.8	1832.5	1837.8	1841.4	1841.4	1839.5	1823.6	1811.3	1807.7	1807.7	1797.2
25°	1793.6	1788.3	1793.6	1793.6	1791.8	1793.6	1788.3	1781.3	1775.9	1770.7	1760.0
27.5°	1751.2	1747.6	1751.2	1747.6	1751.2	1745.9	1744.1	1742.4	1735.3	1730.0	1715.8
30°	1708.8	1705.2	1708.8	1705.2	1701.7	1698.2	1689.3	1685.8	1692.9	1689.3	1666.4
32.5°	1655.8	1652.3	1655.8	1655.8	1652.3	1652.3	1638.1	1632.8	1634.6	1645.1	1624.0
35°	1601.0	1595.7	1601.0	1599.2	1601.0	1595.7	1586.8	1585.1	1578.0	1590.4	1574.5
37.5°	1537.4	1532.1	1537.4	1537.4	1537.4	1540.9	1533.9	1528.5	1518.0	1533.9	1521.5
40°	1472.0	1464.9	1472.0	1470.2	1472.0	1475.5	1472.0	1468.4	1457.9	1470.2	1459.6
42.5°	1397.8	1396.0	1397.8	1399.6	1399.6	1406.6	1412.0	1404.8	1401.3	1392.5	1399.6
45°	1318.2	1314.7	1318.2	1321.8	1323.6	1327.1	1343.0	1343.0	1337.7	1323.6	1334.1
47.5°	1233.4	1224.6	1233.4	1244.0	1244.0	1249.4	1265.3	1277.6	1268.8	1251.1	1256.4
50°	1143.3	1145.0	1143.3	1150.4	1150.4	1169.8	1182.2	1194.6	1203.4	1182.2	1157.4
52.5°	1054.9	1053.2	1054.9	1060.3	1067.3	1076.2	1097.3	1109.7	1123.9	1111.5	1072.7
55°	966.6	970.2	966.6	968.4	971.9	977.2	1009.0	1021.4	1047.9	1032.0	991.3
57.5°	878.2	872.9	878.2	881.8	883.6	888.8	915.4	938.3	954.3	956.0	906.5
60°	775.7	768.7	775.7	791.7	795.2	798.7	823.5	844.7	858.8	864.1	812.9
62.5°	685.6	673.3	685.6	696.2	703.3	712.1	729.8	761.7	774.0	775.7	703.3
65°	590.2	584.9	590.2	611.4	613.1	623.8	643.3	666.2	692.7	689.2	584.9
67.5°	503.6	503.6	503.6	517.8	528.4	533.7	558.4	569.1	602.6	606.1	487.7
70°	424.1	422.4	424.1	434.7	441.8	454.2	477.1	489.5	516.0	524.9	395.9
72.5°	348.2	346.3	348.2	356.9	364.1	374.6	394.1	408.2	431.2	441.8	307.5
75°	281.0	277.5	281.0	288.0	286.2	300.4	316.3	330.4	351.7	358.7	227.9
77.5°	215.6	215.6	215.6	222.6	222.6	236.8	243.9	261.6	273.9	284.5	167.8
80°	160.8	159.1	160.8	162.6	162.6	169.6	182.0	194.4	205.0	205.0	114.9
82.5°	113.1	109.5	113.1	113.1	113.1	116.6	123.7	127.3	134.3	139.6	72.5
85°	70.7	70.7	70.7	72.5	70.7	74.2	76.0	79.5	79.5	76.0	44.2
87.5°	45.9	44.2	45.9	44.2	44.2	42.4	42.4	42.4	40.7	38.9	24.8
90°	31.0	31.0	31.0	31.0	31.0	41.4	55.2	62.1	53.4	35.9	22.8
92.5°	124.4	99.7	124.4	149.0	155.2	220.0	306.4	349.6	306.9	221.6	157.7
95°	433.4	358.6	433.4	508.1	526.8	691.8	911.9	1021.8	863.0	545.3	307.1
97.5°	1038.3	896.0	1038.3	1180.6	1216.2	1320.4	1459.5	1529.0	1264.2	734.6	337.4
100°	1496.0	1326.5	1496.0	1665.5	1707.9	1700.3	1690.1	1685.0	1391.1	803.5	362.7
102.5°	1946.2	1801.0	1946.2	2091.5	2127.8	1994.9	1817.7	1729.2	1431.1	835.0	387.9
105°	2520.3	2442.2	2520.3	2598.4	2617.9	2320.0	1922.9	1724.3	1435.7	858.5	425.5
107.5°	2896.3	2915.2	2896.3	2877.4	2872.7	2457.2	1903.3	1626.3	1371.8	862.8	481.1
110°	3039.6	3121.0	3039.6	2958.3	2938.0	2473.6	1854.3	1544.6	1315.2	856.3	512.1



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CATALOG NUMBER: SQ4-FA-075U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3052.4	3177.3	3052.4	2927.6	2896.4	2421.0	1787.2	1470.3	1265.7	856.6	549.7
115°	2971.5	3144.7	2971.5	2798.4	2755.1	2297.1	1686.5	1381.2	1209.0	864.4	606.0
117.5°	2799.8	2991.9	2799.8	2607.9	2559.8	2146.5	1595.4	1319.9	1173.4	880.5	660.7
120°	2661.6	2848.2	2661.6	2475.0	2428.3	2050.7	1547.1	1295.4	1161.5	893.6	692.6
122.5°	2526.9	2711.0	2526.9	2342.9	2296.8	1956.8	1503.3	1276.6	1155.2	912.4	730.2
125°	2334.8	2504.3	2334.8	2165.3	2122.9	1834.0	1448.8	1256.2	1150.0	937.7	778.4
127.5°	2162.0	2305.0	2162.0	2019.0	1983.2	1735.2	1404.5	1239.1	1147.1	963.1	825.0
130°	2060.1	2192.3	2060.1	1928.0	1894.9	1674.1	1379.7	1232.5	1148.8	981.5	856.0
132.5°	1967.7	2086.1	1967.7	1849.4	1819.8	1622.1	1358.6	1226.8	1150.0	996.4	881.3
135°	1841.2	1943.2	1841.2	1739.1	1713.7	1548.1	1327.4	1217.1	1149.0	1012.9	910.7
137.5°	1739.6	1823.1	1739.6	1656.1	1635.2	1495.3	1308.7	1215.4	1156.0	1037.4	948.3
140°	1669.9	1747.9	1669.9	1591.8	1572.3	1451.5	1290.3	1209.7	1157.2	1052.3	973.6
142.5°	1612.2	1679.3	1612.2	1545.0	1528.2	1422.1	1280.5	1209.7	1161.4	1064.9	992.4
145°	1525.6	1576.4	1525.6	1474.8	1462.1	1375.2	1259.4	1201.5	1161.4	1081.2	1021.0
147.5°	1459.1	1501.3	1459.1	1417.1	1406.5	1338.2	1247.1	1201.5	1169.4	1105.2	1056.9
150°	1417.3	1451.5	1417.3	1383.1	1374.6	1316.9	1240.0	1201.5	1173.6	1117.6	1075.7
152.5°	1381.6	1407.3	1381.6	1355.7	1349.3	1300.1	1234.4	1201.5	1176.3	1125.8	1088.0
155°	1340.5	1357.5	1340.5	1323.4	1319.1	1279.9	1227.7	1201.5	1182.3	1143.8	1114.9
157.5°	1308.0	1319.9	1308.0	1295.9	1292.9	1262.5	1221.8	1201.5	1188.3	1161.7	1141.9
160°	1288.6	1295.4	1288.6	1281.7	1279.9	1253.8	1218.9	1201.5	1191.0	1170.0	1154.2
162.5°	1275.8	1282.4	1275.8	1269.3	1267.7	1245.6	1216.2	1201.5	1193.9	1178.6	1167.2
165°	1257.5	1264.4	1257.5	1250.6	1248.9	1233.0	1212.1	1201.5	1198.1	1191.2	1186.0
167.5°	1244.4	1247.3	1244.4	1241.4	1240.7	1230.3	1216.5	1209.7	1206.8	1201.0	1196.6
170°	1240.7	1240.7	1240.7	1240.7	1240.7	1230.3	1216.5	1209.7	1209.5	1209.2	1208.9
172.5°	1231.0	1228.5	1231.0	1233.6	1234.2	1226.0	1215.1	1209.7	1209.7	1209.7	1209.7
175°	1225.2	1225.2	1225.2	1225.2	1225.2	1220.0	1213.1	1209.7	1211.4	1214.6	1217.1
177.5°	1220.0	1217.1	1220.0	1222.9	1223.6	1219.5	1214.1	1211.4	1212.6	1215.1	1217.1
180°	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1



TEST NUMBER: P934653

CATALOG NUMBER: SQ4-FA-075U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1894.3	1883.7	1883.7	1866.0	1859.0	1853.7	1844.9	1818.3	1811.3	1804.2	1814.8
5°	1910.2	1890.8	1876.7	1844.9	1818.3	1807.7	1774.2	1710.6	1668.2	1636.4	1618.7
7.5°	1913.7	1889.0	1862.5	1813.1	1749.4	1721.1	1618.7	1502.1	1470.2	1442.0	1424.3
10°	1910.2	1881.9	1844.9	1770.7	1620.5	1570.9	1468.4	1392.5	1373.0	1367.8	1373.0
12.5°	1897.8	1871.4	1820.1	1696.4	1486.2	1452.5	1392.5	1348.3	1344.8	1353.6	1401.3
15°	1876.7	1851.9	1791.8	1597.5	1412.0	1387.2	1344.8	1328.9	1348.3	1410.1	1553.3
17.5°	1855.5	1827.2	1753.0	1500.3	1355.4	1337.7	1307.6	1339.5	1449.0	1532.1	1579.8
20°	1827.2	1793.6	1708.8	1429.6	1314.7	1298.8	1284.7	1427.9	1510.9	1540.9	1567.4
22.5°	1793.6	1758.3	1648.7	1380.1	1272.3	1259.9	1268.8	1477.3	1510.9	1532.1	1555.0
25°	1749.4	1719.4	1578.0	1341.3	1238.8	1224.6	1258.2	1472.0	1491.4	1496.7	1542.6
27.5°	1708.8	1669.9	1503.8	1305.9	1198.1	1192.8	1267.0	1449.0	1463.2	1468.4	1518.0
30°	1659.3	1601.0	1420.7	1268.8	1155.7	1153.9	1268.8	1420.7	1417.2	1431.4	1480.8
32.5°	1608.1	1498.5	1327.1	1222.9	1115.0	1113.2	1256.4	1378.3	1374.8	1394.2	1431.4
35°	1560.4	1419.0	1199.8	1169.8	1063.8	1065.6	1226.4	1328.9	1330.6	1348.3	1371.3
37.5°	1510.9	1350.0	1060.3	1111.5	1014.3	1014.3	1185.7	1282.9	1279.4	1284.7	1316.5
40°	1452.5	1242.3	936.5	1035.5	968.4	963.1	1136.3	1233.4	1221.1	1219.3	1263.4
42.5°	1390.7	1123.9	844.7	934.8	915.4	908.3	1076.2	1173.3	1150.4	1155.7	1212.2
45°	1323.6	1092.1	774.0	789.9	860.6	855.3	1010.7	1104.5	1088.6	1102.7	1161.0
47.5°	1256.4	1028.5	751.0	655.6	802.2	800.5	938.3	1037.3	1028.5	1042.6	1104.5
50°	1164.5	957.8	749.3	561.9	736.9	743.9	851.8	971.9	971.9	984.3	1049.7
52.5°	1046.1	871.2	680.3	508.9	660.9	682.1	775.7	915.4	918.9	931.3	989.6
55°	938.3	781.1	630.9	468.3	570.8	616.7	701.5	857.0	864.1	876.5	929.5
57.5°	839.4	650.3	620.3	420.5	487.7	531.9	636.2	800.5	804.0	814.6	865.9
60°	733.4	470.1	569.1	369.3	415.3	448.8	576.1	733.4	745.7	752.8	797.0
62.5°	613.1	341.0	516.0	334.0	380.0	387.0	526.6	669.7	685.6	691.0	717.5
65°	436.5	286.2	438.3	304.0	342.8	344.6	473.6	604.4	618.5	627.3	646.8
67.5°	295.1	233.3	334.0	275.7	314.5	316.3	422.4	528.4	547.8	554.9	567.2
70°	205.0	155.5	247.4	245.7	282.7	286.2	367.6	459.4	477.1	482.5	489.5
72.5°	150.2	125.4	205.0	220.9	249.2	252.7	311.0	381.7	399.4	404.6	408.2
75°	114.9	132.5	166.1	192.6	212.0	213.8	254.4	311.0	323.4	326.9	328.7
77.5°	91.9	123.7	121.9	155.5	173.2	169.6	199.7	240.3	250.9	250.9	250.9
80°	68.9	97.2	91.9	111.4	127.3	123.7	143.2	171.4	175.0	178.5	176.7
82.5°	51.2	61.8	61.8	70.7	84.8	81.3	95.4	111.4	111.4	111.4	114.9
85°	31.8	35.3	28.3	37.2	47.7	45.9	53.0	60.1	61.8	61.8	58.3
87.5°	19.4	15.9	8.9	14.1	21.2	21.2	24.8	26.5	24.8	24.8	24.8
90°	21.2	14.7	8.2	14.7	21.2	22.8	35.9	53.4	62.1	55.2	41.4
92.5°	143.8	88.2	32.7	88.2	143.8	157.7	221.6	306.9	349.6	306.4	220.0
95°	281.8	180.1	78.4	180.1	281.8	307.1	545.3	863.0	1021.8	911.9	691.8
97.5°	315.0	225.3	135.6	225.3	315.0	337.4	734.6	1264.2	1529.0	1459.5	1320.4
100°	342.4	261.0	179.7	261.0	342.4	362.7	803.5	1391.1	1685.0	1690.1	1700.3
102.5°	369.0	293.2	217.3	293.2	369.0	387.9	835.0	1431.1	1729.2	1817.7	1994.9
105°	409.5	345.3	281.0	345.3	409.5	425.5	858.5	1435.7	1724.3	1922.9	2320.0
107.5°	466.1	406.2	346.3	406.2	466.1	481.1	862.8	1371.8	1626.3	1903.3	2457.2
110°	498.6	444.5	390.4	444.5	498.6	512.1	856.3	1315.2	1544.6	1854.3	2473.6



TEST NUMBER: P934653

CATALOG NUMBER: SQ4-FA-075U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	536.8	485.3	433.7	485.3	536.8	549.7	856.6	1265.7	1470.3	1787.2	2421.0
115°	594.2	546.6	499.1	546.6	594.2	606.0	864.4	1209.0	1381.2	1686.5	2297.1
117.5°	649.9	606.8	563.6	606.8	649.9	660.7	880.5	1173.4	1319.9	1595.4	2146.5
120°	682.4	641.9	601.2	641.9	682.4	692.6	893.6	1161.5	1295.4	1547.1	2050.7
122.5°	719.9	678.9	637.9	678.9	719.9	730.2	912.4	1155.2	1276.6	1503.3	1956.8
125°	769.1	731.7	694.3	731.7	769.1	778.4	937.7	1150.0	1256.2	1448.8	1834.0
127.5°	815.6	777.8	740.1	777.8	815.6	825.0	963.1	1147.1	1239.1	1404.5	1735.2
130°	845.8	805.2	764.6	805.2	845.8	856.0	981.5	1148.8	1232.5	1379.7	1674.1
132.5°	871.1	830.5	789.9	830.5	871.1	881.3	996.4	1150.0	1226.8	1358.6	1622.1
135°	901.5	864.4	827.4	864.4	901.5	910.7	1012.9	1149.0	1217.1	1327.4	1548.1
137.5°	939.2	902.5	865.8	902.5	939.2	948.3	1037.4	1156.0	1215.4	1308.7	1495.3
140°	965.2	931.4	897.6	931.4	965.2	973.6	1052.3	1157.2	1209.7	1290.3	1451.5
142.5°	984.6	953.4	922.1	953.4	984.6	992.4	1064.9	1161.4	1209.7	1280.5	1422.1
145°	1014.2	986.9	959.7	986.9	1014.2	1021.0	1081.2	1161.4	1201.5	1259.4	1375.2
147.5°	1050.4	1023.8	997.3	1023.8	1050.4	1056.9	1105.2	1169.4	1201.5	1247.1	1338.2
150°	1069.8	1045.8	1021.8	1045.8	1069.8	1075.7	1117.6	1173.6	1201.5	1240.0	1316.9
152.5°	1083.4	1065.3	1047.1	1065.3	1083.4	1088.0	1125.8	1176.3	1201.5	1234.4	1300.1
155°	1111.6	1098.1	1084.7	1098.1	1111.6	1114.9	1143.8	1182.3	1201.5	1227.7	1279.9
157.5°	1138.6	1125.5	1112.5	1125.5	1138.6	1141.9	1161.7	1188.3	1201.5	1221.8	1262.5
160°	1151.6	1141.4	1131.3	1141.4	1151.6	1154.2	1170.0	1191.0	1201.5	1218.9	1253.8
162.5°	1165.2	1157.7	1150.0	1157.7	1165.2	1167.2	1178.6	1193.9	1201.5	1216.2	1245.6
165°	1184.2	1177.4	1170.5	1177.4	1184.2	1186.0	1191.2	1198.1	1201.5	1212.1	1233.0
167.5°	1195.8	1192.5	1189.2	1192.5	1195.8	1196.6	1201.0	1206.8	1209.7	1216.5	1230.3
170°	1208.1	1204.8	1201.5	1204.8	1208.1	1208.9	1209.2	1209.5	1209.7	1216.5	1230.3
172.5°	1209.5	1208.7	1208.0	1208.7	1209.5	1209.7	1209.7	1209.7	1209.7	1215.1	1226.0
175°	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1214.6	1211.4	1209.7	1213.1	1220.0
177.5°	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1215.1	1212.6	1211.4	1214.1	1219.5
180°	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1



TEST NUMBER: P934653

CATALOG NUMBER: SQ4-FA-075U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1802.4	1797.2	1804.2	1784.8	1804.2	1797.2	1802.4	1814.8	1804.2	1811.3	1818.3
5°	1581.6	1572.7	1544.5	1521.5	1544.5	1572.7	1581.6	1618.7	1636.4	1668.2	1710.6
7.5°	1413.7	1406.6	1399.6	1385.4	1399.6	1406.6	1413.7	1424.3	1442.0	1470.2	1502.1
10°	1376.6	1378.3	1388.9	1387.2	1388.9	1378.3	1376.6	1373.0	1367.8	1373.0	1392.5
12.5°	1472.0	1487.9	1546.2	1542.6	1546.2	1487.9	1472.0	1401.3	1353.6	1344.8	1348.3
15°	1581.6	1586.8	1599.2	1601.0	1599.2	1586.8	1581.6	1553.3	1410.1	1348.3	1328.9
17.5°	1592.2	1593.9	1602.7	1602.7	1602.7	1593.9	1592.2	1579.8	1532.1	1449.0	1339.5
20°	1583.3	1586.8	1604.6	1608.1	1604.6	1586.8	1583.3	1567.4	1540.9	1510.9	1427.9
22.5°	1579.8	1586.8	1601.0	1599.2	1601.0	1586.8	1579.8	1555.0	1532.1	1510.9	1477.3
25°	1562.1	1562.1	1563.9	1565.7	1563.9	1562.1	1562.1	1542.6	1496.7	1491.4	1472.0
27.5°	1525.0	1528.5	1539.1	1537.4	1539.1	1528.5	1525.0	1518.0	1468.4	1463.2	1449.0
30°	1491.4	1487.9	1479.1	1472.0	1479.1	1487.9	1491.4	1480.8	1431.4	1417.2	1420.7
32.5°	1434.9	1426.0	1417.2	1412.0	1417.2	1426.0	1434.9	1431.4	1394.2	1374.8	1378.3
35°	1367.8	1369.5	1367.8	1362.4	1367.8	1369.5	1367.8	1371.3	1348.3	1330.6	1328.9
37.5°	1320.0	1323.6	1321.8	1314.7	1321.8	1323.6	1320.0	1316.5	1284.7	1279.4	1282.9
40°	1270.6	1272.3	1270.6	1265.3	1270.6	1272.3	1270.6	1263.4	1219.3	1221.1	1233.4
42.5°	1222.9	1221.1	1215.7	1212.2	1215.7	1221.1	1222.9	1212.2	1155.7	1150.4	1173.3
45°	1168.1	1169.8	1159.2	1153.9	1159.2	1169.8	1168.1	1161.0	1102.7	1088.6	1104.5
47.5°	1113.2	1113.2	1104.5	1099.1	1104.5	1113.2	1113.2	1104.5	1042.6	1028.5	1037.3
50°	1054.9	1053.2	1040.8	1039.0	1040.8	1053.2	1054.9	1049.7	984.3	971.9	971.9
52.5°	987.8	987.8	989.6	993.1	989.6	987.8	987.8	989.6	931.3	918.9	915.4
55°	929.5	931.3	943.6	947.2	943.6	931.3	929.5	929.5	876.5	864.1	857.0
57.5°	869.4	869.4	878.2	878.2	878.2	869.4	869.4	865.9	814.6	804.0	800.5
60°	800.5	804.0	811.1	809.4	811.1	804.0	800.5	797.0	752.8	745.7	733.4
62.5°	728.0	731.6	733.4	729.8	733.4	731.6	728.0	717.5	691.0	685.6	669.7
65°	652.1	655.6	657.3	653.8	657.3	655.6	652.1	646.8	627.3	618.5	604.4
67.5°	574.3	572.6	570.8	577.8	570.8	572.6	574.3	567.2	554.9	547.8	528.4
70°	494.7	494.7	493.0	496.6	493.0	494.7	494.7	489.5	482.5	477.1	459.4
72.5°	410.0	408.2	415.3	410.0	415.3	408.2	410.0	408.2	404.6	399.4	381.7
75°	326.9	330.4	326.9	332.2	326.9	330.4	326.9	328.7	326.9	323.4	311.0
77.5°	249.2	252.7	249.2	249.2	249.2	252.7	249.2	250.9	250.9	250.9	240.3
80°	176.7	175.0	175.0	173.2	175.0	175.0	176.7	176.7	178.5	175.0	171.4
82.5°	113.1	111.4	111.4	114.9	111.4	111.4	113.1	114.9	111.4	111.4	111.4
85°	61.8	63.6	60.1	60.1	60.1	63.6	61.8	58.3	61.8	61.8	60.1
87.5°	23.0	21.2	21.2	21.2	21.2	21.2	23.0	24.8	24.8	24.8	26.5
90°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	41.4	55.2	62.1	53.4
92.5°	155.2	149.0	124.4	99.7	124.4	149.0	155.2	220.0	306.4	349.6	306.9
95°	526.8	508.1	433.4	358.6	433.4	508.1	526.8	691.8	911.9	1021.8	863.0
97.5°	1216.2	1180.6	1038.3	896.0	1038.3	1180.6	1216.2	1320.4	1459.5	1529.0	1264.2
100°	1707.9	1665.5	1496.0	1326.5	1496.0	1665.5	1707.9	1700.3	1690.1	1685.0	1391.1
102.5°	2127.8	2091.5	1946.2	1801.0	1946.2	2091.5	2127.8	1994.9	1817.7	1729.2	1431.1
105°	2617.9	2598.4	2520.3	2442.2	2520.3	2598.4	2617.9	2320.0	1922.9	1724.3	1435.7
107.5°	2872.7	2877.4	2896.3	2915.2	2896.3	2877.4	2872.7	2457.2	1903.3	1626.3	1371.8
110°	2938.0	2958.3	3039.6	3121.0	3039.6	2958.3	2938.0	2473.6	1854.3	1544.6	1315.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2896.4	2927.6	3052.4	3177.3	3052.4	2927.6	2896.4	2421.0	1787.2	1470.3	1265.7
115°	2755.1	2798.4	2971.5	3144.7	2971.5	2798.4	2755.1	2297.1	1686.5	1381.2	1209.0
117.5°	2559.8	2607.9	2799.8	2991.9	2799.8	2607.9	2559.8	2146.5	1595.4	1319.9	1173.4
120°	2428.3	2475.0	2661.6	2848.2	2661.6	2475.0	2428.3	2050.7	1547.1	1295.4	1161.5
122.5°	2296.8	2342.9	2526.9	2711.0	2526.9	2342.9	2296.8	1956.8	1503.3	1276.6	1155.2
125°	2122.9	2165.3	2334.8	2504.3	2334.8	2165.3	2122.9	1834.0	1448.8	1256.2	1150.0
127.5°	1983.2	2019.0	2162.0	2305.0	2162.0	2019.0	1983.2	1735.2	1404.5	1239.1	1147.1
130°	1894.9	1928.0	2060.1	2192.3	2060.1	1928.0	1894.9	1674.1	1379.7	1232.5	1148.8
132.5°	1819.8	1849.4	1967.7	2086.1	1967.7	1849.4	1819.8	1622.1	1358.6	1226.8	1150.0
135°	1713.7	1739.1	1841.2	1943.2	1841.2	1739.1	1713.7	1548.1	1327.4	1217.1	1149.0
137.5°	1635.2	1656.1	1739.6	1823.1	1739.6	1656.1	1635.2	1495.3	1308.7	1215.4	1156.0
140°	1572.3	1591.8	1669.9	1747.9	1669.9	1591.8	1572.3	1451.5	1290.3	1209.7	1157.2
142.5°	1528.2	1545.0	1612.2	1679.3	1612.2	1545.0	1528.2	1422.1	1280.5	1209.7	1161.4
145°	1462.1	1474.8	1525.6	1576.4	1525.6	1474.8	1462.1	1375.2	1259.4	1201.5	1161.4
147.5°	1406.5	1417.1	1459.1	1501.3	1459.1	1417.1	1406.5	1338.2	1247.1	1201.5	1169.4
150°	1374.6	1383.1	1417.3	1451.5	1417.3	1383.1	1374.6	1316.9	1240.0	1201.5	1173.6
152.5°	1349.3	1355.7	1381.6	1407.3	1381.6	1355.7	1349.3	1300.1	1234.4	1201.5	1176.3
155°	1319.1	1323.4	1340.5	1357.5	1340.5	1323.4	1319.1	1279.9	1227.7	1201.5	1182.3
157.5°	1292.9	1295.9	1308.0	1319.9	1308.0	1295.9	1292.9	1262.5	1221.8	1201.5	1188.3
160°	1279.9	1281.7	1288.6	1295.4	1288.6	1281.7	1279.9	1253.8	1218.9	1201.5	1191.0
162.5°	1267.7	1269.3	1275.8	1282.4	1275.8	1269.3	1267.7	1245.6	1216.2	1201.5	1193.9
165°	1248.9	1250.6	1257.5	1264.4	1257.5	1250.6	1248.9	1233.0	1212.1	1201.5	1198.1
167.5°	1240.7	1241.4	1244.4	1247.3	1244.4	1241.4	1240.7	1230.3	1216.5	1209.7	1206.8
170°	1240.7	1240.7	1240.7	1240.7	1240.7	1240.7	1240.7	1230.3	1216.5	1209.7	1209.5
172.5°	1234.2	1233.6	1231.0	1228.5	1231.0	1233.6	1234.2	1226.0	1215.1	1209.7	1209.7
175°	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2	1220.0	1213.1	1209.7	1211.4
177.5°	1223.6	1222.9	1220.0	1217.1	1220.0	1222.9	1223.6	1219.5	1214.1	1211.4	1212.6
180°	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1	1217.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1844.9	1853.7	1859.0	1866.0	1883.7
5°	1774.2	1807.7	1818.3	1844.9	1876.7
7.5°	1618.7	1721.1	1749.4	1813.1	1862.5
10°	1468.4	1570.9	1620.5	1770.7	1844.9
12.5°	1392.5	1452.5	1486.2	1696.4	1820.1
15°	1344.8	1387.2	1412.0	1597.5	1791.8
17.5°	1307.6	1337.7	1355.4	1500.3	1753.0
20°	1284.7	1298.8	1314.7	1429.6	1708.8
22.5°	1268.8	1259.9	1272.3	1380.1	1648.7
25°	1258.2	1224.6	1238.8	1341.3	1578.0
27.5°	1267.0	1192.8	1198.1	1305.9	1503.8
30°	1268.8	1153.9	1155.7	1268.8	1420.7
32.5°	1256.4	1113.2	1115.0	1222.9	1327.1
35°	1226.4	1065.6	1063.8	1169.8	1199.8
37.5°	1185.7	1014.3	1014.3	1111.5	1060.3
40°	1136.3	963.1	968.4	1035.5	936.5
42.5°	1076.2	908.3	915.4	934.8	844.7
45°	1010.7	855.3	860.6	789.9	774.0
47.5°	938.3	800.5	802.2	655.6	751.0
50°	851.8	743.9	736.9	561.9	749.3
52.5°	775.7	682.1	660.9	508.9	680.3
55°	701.5	616.7	570.8	468.3	630.9
57.5°	636.2	531.9	487.7	420.5	620.3
60°	576.1	448.8	415.3	369.3	569.1
62.5°	526.6	387.0	380.0	334.0	516.0
65°	473.6	344.6	342.8	304.0	438.3
67.5°	422.4	316.3	314.5	275.7	334.0
70°	367.6	286.2	282.7	245.7	247.4
72.5°	311.0	252.7	249.2	220.9	205.0
75°	254.4	213.8	212.0	192.6	166.1
77.5°	199.7	169.6	173.2	155.5	121.9
80°	143.2	123.7	127.3	111.4	91.9
82.5°	95.4	81.3	84.8	70.7	61.8
85°	53.0	45.9	47.7	37.2	28.3
87.5°	24.8	21.2	21.2	14.1	8.9
90°	35.9	22.8	21.2	14.7	8.2
92.5°	221.6	157.7	143.8	88.2	32.7
95°	545.3	307.1	281.8	180.1	78.4
97.5°	734.6	337.4	315.0	225.3	135.6
100°	803.5	362.7	342.4	261.0	179.7
102.5°	835.0	387.9	369.0	293.2	217.3
105°	858.5	425.5	409.5	345.3	281.0
107.5°	862.8	481.1	466.1	406.2	346.3
110°	856.3	512.1	498.6	444.5	390.4



TEST NUMBER: P934653

CATALOG NUMBER: SQ4-FA-075U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	856.6	549.7	536.8	485.3	433.7
115°	864.4	606.0	594.2	546.6	499.1
117.5°	880.5	660.7	649.9	606.8	563.6
120°	893.6	692.6	682.4	641.9	601.2
122.5°	912.4	730.2	719.9	678.9	637.9
125°	937.7	778.4	769.1	731.7	694.3
127.5°	963.1	825.0	815.6	777.8	740.1
130°	981.5	856.0	845.8	805.2	764.6
132.5°	996.4	881.3	871.1	830.5	789.9
135°	1012.9	910.7	901.5	864.4	827.4
137.5°	1037.4	948.3	939.2	902.5	865.8
140°	1052.3	973.6	965.2	931.4	897.6
142.5°	1064.9	992.4	984.6	953.4	922.1
145°	1081.2	1021.0	1014.2	986.9	959.7
147.5°	1105.2	1056.9	1050.4	1023.8	997.3
150°	1117.6	1075.7	1069.8	1045.8	1021.8
152.5°	1125.8	1088.0	1083.4	1065.3	1047.1
155°	1143.8	1114.9	1111.6	1098.1	1084.7
157.5°	1161.7	1141.9	1138.6	1125.5	1112.5
160°	1170.0	1154.2	1151.6	1141.4	1131.3
162.5°	1178.6	1167.2	1165.2	1157.7	1150.0
165°	1191.2	1186.0	1184.2	1177.4	1170.5
167.5°	1201.0	1196.6	1195.8	1192.5	1189.2
170°	1209.2	1208.9	1208.1	1204.8	1201.5
172.5°	1209.7	1209.7	1209.5	1208.7	1208.0
175°	1214.6	1217.1	1217.1	1217.1	1217.1
177.5°	1215.1	1217.1	1217.1	1217.1	1217.1
180°	1217.1	1217.1	1217.1	1217.1	1217.1



TEST NUMBER: P934653
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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	9.69	10.45	10.74	11.51	12.94	12.54	13.30	13.59	14.36	15.79
	3H	10.16	10.84	11.22	11.91	13.36	13.89	14.57	14.95	15.64	17.09
	4H	10.35	10.99	11.42	12.06	13.52	14.33	14.98	15.40	16.05	17.50
	6H	10.46	11.06	11.54	12.13	13.60	14.61	15.21	15.70	16.28	17.75
	8H	10.46	11.02	11.55	12.11	13.58	14.69	15.26	15.78	16.34	17.81
	12H	10.42	10.96	11.52	12.05	13.53	14.73	15.27	15.82	16.35	17.84
4H	2H	10.71	11.36	11.80	12.43	13.89	12.94	13.58	14.02	14.65	16.11
	3H	11.73	12.27	12.82	13.37	14.84	14.44	14.98	15.53	16.08	17.55
	4H	12.01	12.50	13.10	13.59	15.08	14.97	15.46	16.06	16.55	18.04
	6H	12.12	12.55	13.23	13.66	15.14	15.33	15.76	16.44	16.87	18.35
	8H	12.13	12.52	13.23	13.63	15.13	15.44	15.84	16.54	16.94	18.44
	12H	12.09	12.45	13.21	13.56	15.07	15.50	15.86	16.62	16.97	18.48
8H	4H	12.45	12.85	13.56	13.95	15.45	15.08	15.48	16.19	16.58	18.08
	6H	12.71	13.04	13.84	14.18	15.68	15.52	15.85	16.65	16.99	18.49
	8H	12.75	13.04	13.88	14.16	15.68	15.68	15.96	16.81	17.09	18.61
	12H	12.73	12.98	13.87	14.11	15.66	15.77	16.03	16.91	17.15	18.70
12H	4H	12.46	12.82	13.58	13.93	15.43	15.04	15.40	16.16	16.52	18.02
	6H	12.77	13.06	13.90	14.18	15.70	15.52	15.81	16.65	16.93	18.45
	8H	12.83	13.09	13.97	14.21	15.76	15.68	15.93	16.81	17.05	18.61