

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: P934678

Luminaire Tested: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934678
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-B2750-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

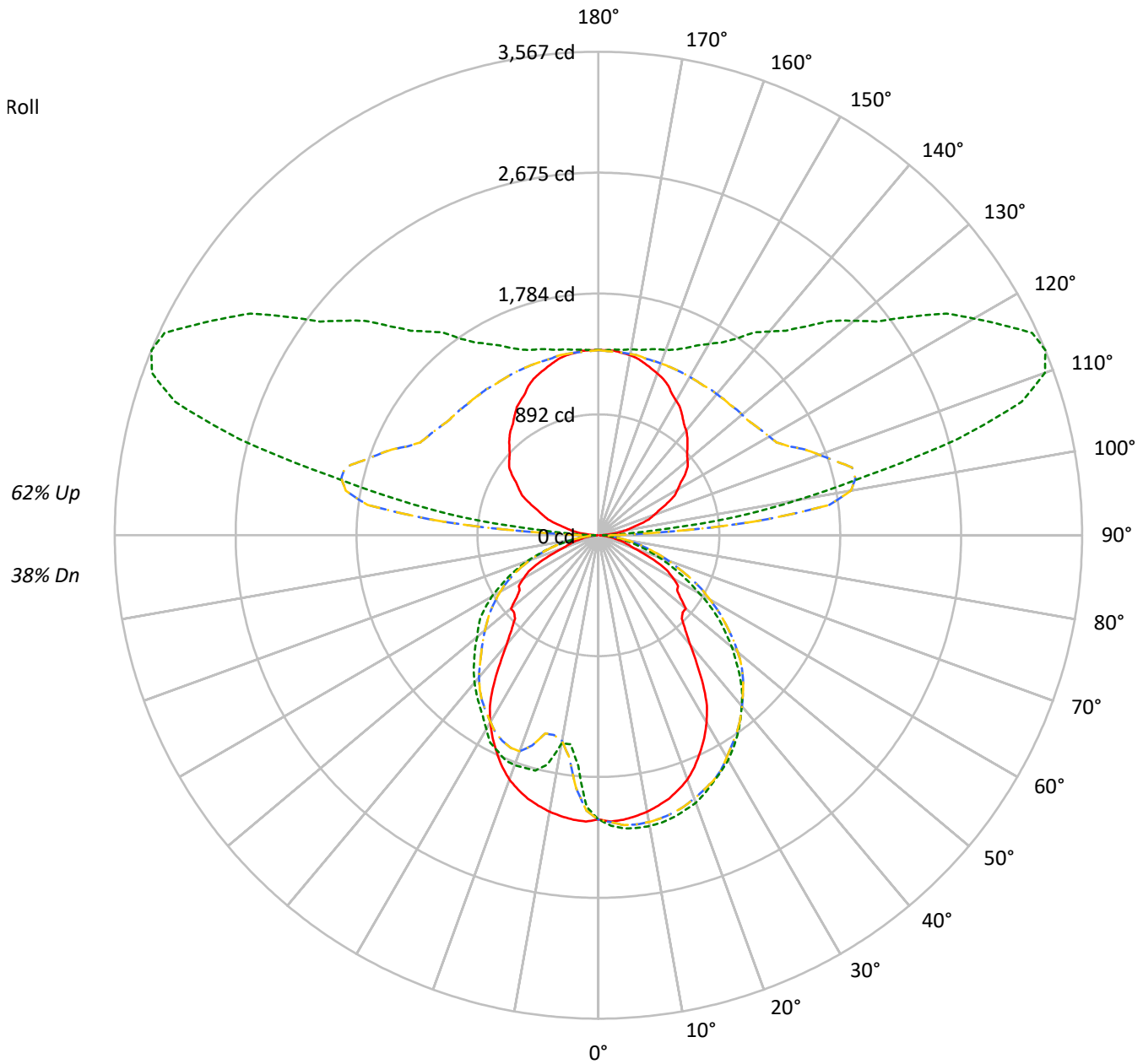
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14299.0 lumens
Efficiency: N/A
Efficacy: 138.6 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	0
RCR																		
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6486	6486	6486	6486
5°	6537	6547	6537	5148
10°	6495	6449	6495	4611
15°	6427	6309	6427	5269
20°	6295	6144	6295	5280
25°	6022	5903	6022	5167
30°	5669	5702	5669	4922
35°	5057	5449	5057	4652
40°	4216	5150	4216	4448
45°	3769	4801	3769	4214
50°	4008	4384	4008	3978
55°	3774	3935	3774	3842
60°	3895	3342	3895	3519
65°	3538	2763	3538	3088
70°	2456	2202	2456	2589
75°	2162	1628	2162	1949
80°	1754	1076	1754	1172
85°	1027	570	1027	484

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5774 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	1.3
10°-20°	537.4	3.8
20°-30°	830.7	5.8
30°-40°	991.7	6.9
40°-50°	997.6	7.0
50°-60°	868.0	6.1
60°-70°	615.4	4.3
70°-80°	325.6	2.3
80°-90°	86.3	0.6
90°-100°	666.0	4.7
100°-110°	1750.9	12.2
110°-120°	1815.5	12.7
120°-130°	1456.3	10.2
130°-140°	1142.6	8.0
140°-150°	877.0	6.1
150°-160°	631.6	4.4
160°-170°	386.5	2.7
170°-180°	130.6	0.9
0°-30°	1557.4	10.9
0°-40°	2549.2	17.8
0°-60°	4414.7	30.9
0°-90°	5442.0	38.1
90°-120°	4232.4	29.6
90°-150°	7708.3	53.9
90°-180°	8857.0	61.9
0°-180°	14299.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2097	2097	2097	2097	2097	
5°	2107	2172	2107	1708	2107	200
15°	2012	2152	2012	1797	2012	566
25°	1772	2008	1772	1758	1772	813
35°	1347	1791	1347	1530	1347	833
45°	869	1476	869	1295	869	696
55°	708	1089	708	1063	708	651
65°	492	657	492	734	492	470
75°	186	312	186	373	186	196
85°	32	79	32	67	32	43
90°	9	35	9	35	9	9
95°	88	403	88	403	88	98
105°	315	2742	315	2742	315	334
115°	560	3530	560	3530	560	553
125°	779	2811	779	2811	779	692
135°	929	2181	929	2181	929	719
145°	1077	1770	1077	1770	1077	675
155°	1218	1524	1218	1524	1218	560
165°	1314	1419	1314	1419	1314	371
175°	1366	1376	1366	1376	1366	130
180°	1366	1366	1366	1366	1366	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2114.7	2114.7	2126.6	2130.5	2130.5	2124.6	2118.7	2124.6	2142.5	2148.4	2146.4
5°	2106.8	2122.7	2144.5	2148.4	2152.4	2150.5	2146.4	2150.5	2170.3	2174.2	2176.2
7.5°	2090.9	2120.7	2148.4	2154.4	2160.3	2154.4	2152.4	2156.4	2176.2	2180.1	2180.1
10°	2071.1	2112.7	2144.5	2148.4	2154.4	2148.4	2148.4	2156.4	2176.2	2180.1	2182.2
12.5°	2043.3	2100.9	2130.5	2134.6	2142.5	2140.5	2138.5	2146.4	2166.3	2170.3	2170.3
15°	2011.5	2079.0	2106.8	2110.7	2124.6	2120.7	2120.7	2128.6	2150.5	2156.4	2154.4
17.5°	1968.0	2051.3	2083.0	2088.9	2098.9	2096.8	2098.9	2106.8	2126.6	2130.5	2132.6
20°	1918.4	2013.5	2051.3	2057.2	2067.1	2067.1	2067.1	2077.0	2096.8	2104.8	2104.8
22.5°	1850.9	1973.9	2013.5	2017.6	2029.4	2029.4	2033.4	2047.2	2065.1	2067.1	2067.1
25°	1771.5	1930.2	1963.9	1975.8	1987.8	1993.7	1999.7	2007.6	2013.5	2011.5	2013.5
27.5°	1688.2	1874.7	1918.4	1926.2	1942.1	1948.0	1956.0	1958.0	1960.0	1965.9	1961.9
30°	1595.0	1797.3	1862.8	1870.7	1896.5	1900.5	1892.5	1896.5	1906.4	1910.4	1914.3
32.5°	1489.8	1682.2	1805.3	1823.1	1846.9	1835.0	1833.0	1839.0	1854.9	1854.9	1858.8
35°	1347.0	1593.0	1751.7	1767.6	1785.4	1771.5	1779.4	1781.4	1791.4	1797.3	1795.3
37.5°	1190.3	1515.6	1696.1	1708.0	1722.0	1704.1	1715.9	1722.0	1729.8	1725.9	1725.9
40°	1051.4	1394.6	1630.6	1638.6	1650.5	1636.7	1648.5	1652.5	1656.5	1652.5	1650.5
42.5°	948.2	1261.7	1561.2	1571.2	1563.2	1573.2	1577.1	1585.1	1579.1	1571.2	1571.2
45°	868.9	1226.0	1485.9	1497.7	1485.9	1501.8	1507.7	1507.7	1489.8	1485.9	1483.8
47.5°	843.1	1154.6	1410.5	1410.5	1404.6	1424.4	1434.2	1420.4	1402.6	1396.6	1396.6
50°	841.2	1075.2	1307.3	1299.4	1327.2	1350.9	1341.1	1327.2	1313.3	1291.5	1291.5
52.5°	763.8	978.0	1174.4	1204.2	1247.8	1261.7	1245.8	1231.9	1208.1	1198.2	1190.3
55°	708.2	876.8	1053.3	1112.9	1158.6	1176.4	1146.6	1132.7	1097.0	1091.1	1087.2
57.5°	696.3	730.0	942.3	1017.7	1073.3	1071.3	1053.3	1027.6	997.8	991.9	989.9
60°	638.8	527.7	823.3	912.5	970.0	964.1	948.2	924.5	896.7	892.7	888.8
62.5°	579.3	382.9	688.3	789.6	870.8	868.9	855.1	819.3	799.4	789.6	781.6
65°	492.0	321.3	490.0	656.7	773.7	777.7	747.9	722.1	700.3	688.3	686.4
67.5°	375.0	261.9	331.3	547.5	680.4	676.5	638.8	626.9	599.1	593.2	581.2
70°	277.8	174.6	230.1	444.4	589.2	579.3	549.5	535.6	509.9	496.0	488.0
72.5°	230.1	140.8	168.6	345.2	496.0	484.0	458.3	442.4	420.5	408.7	400.7
75°	186.5	148.8	129.0	255.9	402.7	394.8	370.9	355.1	337.2	321.3	323.3
77.5°	136.9	138.8	103.1	188.4	319.4	307.5	293.6	273.8	265.8	250.0	250.0
80°	103.1	109.2	77.4	129.0	230.1	230.1	218.2	204.3	190.4	182.5	182.5
82.5°	69.4	69.4	57.5	81.3	156.7	150.8	142.9	138.8	130.9	127.0	127.0
85°	31.7	39.6	35.7	49.6	85.3	89.2	89.2	85.3	83.3	79.4	81.3
87.5°	10.0	17.8	21.8	27.8	43.7	45.7	47.6	47.6	47.6	49.6	49.6
90°	9.2	16.5	23.8	25.6	40.3	59.9	69.7	61.9	46.4	34.8	34.8
92.5°	36.7	99.0	161.4	177.0	248.8	344.5	392.4	343.9	247.0	174.2	167.3
95°	88.0	202.1	316.3	344.8	612.2	968.8	1147.1	1023.7	776.7	591.4	570.4
97.5°	152.2	252.9	353.6	378.7	824.7	1419.2	1716.5	1638.4	1482.4	1365.3	1325.4
100°	201.7	293.0	384.3	407.1	902.0	1561.7	1891.6	1897.4	1908.8	1917.4	1869.8
102.5°	243.9	329.1	414.2	435.5	937.4	1606.6	1941.2	2040.6	2239.5	2388.7	2348.0
105°	315.4	387.6	459.7	477.7	963.7	1611.7	1935.7	2158.6	2604.5	2938.9	2917.0
107.5°	388.8	456.0	523.3	540.1	968.6	1540.0	1825.7	2136.7	2758.5	3224.9	3230.2
110°	438.3	499.0	559.8	574.9	961.3	1476.4	1734.0	2081.6	2776.9	3298.3	3321.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	486.9	544.8	602.6	617.1	961.6	1420.9	1650.6	2006.3	2717.9	3251.5	3286.5
115°	560.2	613.6	667.0	680.3	970.4	1357.2	1550.6	1893.3	2578.8	3092.9	3141.5
117.5°	632.7	681.2	729.6	741.8	988.5	1317.3	1481.8	1791.1	2409.7	2873.7	2927.6
120°	674.9	720.6	766.1	777.6	1003.2	1303.9	1454.3	1736.8	2302.1	2726.1	2778.4
122.5°	716.1	762.2	808.2	819.8	1024.3	1296.9	1433.2	1687.6	2196.7	2578.5	2630.2
125°	779.4	821.4	863.4	873.9	1052.7	1291.1	1410.3	1626.5	2058.9	2383.2	2430.8
127.5°	830.8	873.2	915.6	926.1	1081.1	1287.7	1391.0	1576.7	1947.9	2226.4	2266.5
130°	858.3	904.0	949.5	961.0	1101.9	1289.7	1383.7	1548.9	1879.4	2127.3	2164.4
132.5°	886.7	932.4	977.9	989.4	1118.6	1291.1	1377.2	1525.1	1821.0	2043.0	2076.2
135°	928.9	970.4	1012.0	1022.4	1137.1	1289.9	1366.3	1490.1	1737.9	1923.8	1952.4
137.5°	972.0	1013.1	1054.3	1064.6	1164.6	1297.8	1364.4	1469.1	1678.7	1835.7	1859.2
140°	1007.7	1045.6	1083.5	1093.0	1181.3	1299.2	1358.0	1448.5	1629.5	1765.1	1787.0
142.5°	1035.2	1070.3	1105.3	1114.1	1195.4	1303.8	1358.0	1437.5	1596.4	1715.6	1734.5
145°	1077.4	1108.0	1138.5	1146.2	1213.8	1303.8	1348.8	1413.8	1543.9	1641.4	1655.7
147.5°	1119.6	1149.4	1179.2	1186.6	1240.7	1312.8	1348.8	1400.0	1502.3	1579.0	1590.8
150°	1147.1	1174.0	1200.9	1207.7	1254.7	1317.5	1348.8	1392.0	1478.4	1543.2	1552.8
152.5°	1175.5	1195.9	1216.2	1221.4	1263.9	1320.5	1348.8	1385.7	1459.5	1514.8	1522.0
155°	1217.7	1232.8	1247.9	1251.6	1284.1	1327.3	1348.8	1378.2	1436.9	1480.9	1485.7
157.5°	1248.9	1263.6	1278.3	1281.9	1304.2	1334.0	1348.8	1371.6	1417.3	1451.5	1454.8
160°	1270.0	1281.4	1292.8	1295.7	1313.5	1337.0	1348.8	1368.4	1407.5	1436.9	1438.9
162.5°	1291.1	1299.6	1308.1	1310.3	1323.1	1340.3	1348.8	1365.3	1398.3	1423.1	1425.0
165°	1314.0	1321.7	1329.4	1331.4	1337.2	1345.0	1348.8	1360.7	1384.2	1402.0	1404.0
167.5°	1335.0	1338.7	1342.4	1343.3	1348.3	1354.8	1358.0	1365.7	1381.2	1392.8	1393.6
170°	1348.8	1352.5	1356.2	1357.1	1357.4	1357.8	1358.0	1365.7	1381.2	1392.8	1392.8
172.5°	1356.1	1356.9	1357.8	1358.0	1358.0	1358.0	1358.0	1364.1	1376.4	1385.5	1384.8
175°	1366.3	1366.3	1366.3	1366.3	1363.5	1359.9	1358.0	1361.9	1369.7	1375.5	1375.5
177.5°	1366.3	1366.3	1366.3	1366.3	1364.1	1361.3	1359.9	1362.9	1369.1	1373.6	1372.8
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2150.5	2144.5	2150.5	2146.4	2148.4	2142.5	2124.6	2118.7	2124.6	2130.5	2130.5
5°	2176.2	2172.3	2176.2	2176.2	2174.2	2170.3	2150.5	2146.4	2150.5	2152.4	2148.4
7.5°	2184.2	2178.2	2184.2	2180.1	2180.1	2176.2	2156.4	2152.4	2154.4	2160.3	2154.4
10°	2184.2	2178.2	2184.2	2182.2	2180.1	2176.2	2156.4	2148.4	2148.4	2154.4	2148.4
12.5°	2174.2	2170.3	2174.2	2170.3	2170.3	2166.3	2146.4	2138.5	2140.5	2142.5	2134.6
15°	2158.4	2152.4	2158.4	2154.4	2156.4	2150.5	2128.6	2120.7	2120.7	2124.6	2110.7
17.5°	2134.6	2126.6	2134.6	2132.6	2130.5	2126.6	2106.8	2098.9	2096.8	2098.9	2088.9
20°	2106.8	2100.9	2106.8	2104.8	2104.8	2096.8	2077.0	2067.1	2067.1	2067.1	2057.2
22.5°	2063.1	2057.2	2063.1	2067.1	2067.1	2065.1	2047.2	2033.4	2029.4	2029.4	2017.6
25°	2013.5	2007.6	2013.5	2013.5	2011.5	2013.5	2007.6	1999.7	1993.7	1987.8	1975.8
27.5°	1965.9	1961.9	1965.9	1961.9	1965.9	1960.0	1958.0	1956.0	1948.0	1942.1	1926.2
30°	1918.4	1914.3	1918.4	1914.3	1910.4	1906.4	1896.5	1892.5	1900.5	1896.5	1870.7
32.5°	1858.8	1854.9	1858.8	1858.8	1854.9	1854.9	1839.0	1833.0	1835.0	1846.9	1823.1
35°	1797.3	1791.4	1797.3	1795.3	1797.3	1791.4	1781.4	1779.4	1771.5	1785.4	1767.6
37.5°	1725.9	1720.0	1725.9	1725.9	1725.9	1729.8	1722.0	1715.9	1704.1	1722.0	1708.0
40°	1652.5	1644.5	1652.5	1650.5	1652.5	1656.5	1652.5	1648.5	1636.7	1650.5	1638.6
42.5°	1569.2	1567.1	1569.2	1571.2	1571.2	1579.1	1585.1	1577.1	1573.2	1563.2	1571.2
45°	1479.9	1475.9	1479.9	1483.8	1485.9	1489.8	1507.7	1507.7	1501.8	1485.9	1497.7
47.5°	1384.6	1374.8	1384.6	1396.6	1396.6	1402.6	1420.4	1434.2	1424.4	1404.6	1410.5
50°	1283.5	1285.4	1283.5	1291.5	1291.5	1313.3	1327.2	1341.1	1350.9	1327.2	1299.4
52.5°	1184.3	1182.3	1184.3	1190.3	1198.2	1208.1	1231.9	1245.8	1261.7	1247.8	1204.2
55°	1085.1	1089.1	1085.1	1087.2	1091.1	1097.0	1132.7	1146.6	1176.4	1158.6	1112.9
57.5°	985.9	980.0	985.9	989.9	991.9	997.8	1027.6	1053.3	1071.3	1073.3	1017.7
60°	870.8	862.9	870.8	888.8	892.7	896.7	924.5	948.2	964.1	970.0	912.5
62.5°	769.7	755.9	769.7	781.6	789.6	799.4	819.3	855.1	868.9	870.8	789.6
65°	662.6	656.7	662.6	686.4	688.3	700.3	722.1	747.9	777.7	773.7	656.7
67.5°	565.4	565.4	565.4	581.2	593.2	599.1	626.9	638.8	676.5	680.4	547.5
70°	476.1	474.2	476.1	488.0	496.0	509.9	535.6	549.5	579.3	589.2	444.4
72.5°	390.9	388.8	390.9	400.7	408.7	420.5	442.4	458.3	484.0	496.0	345.2
75°	315.4	311.5	315.4	323.3	321.3	337.2	355.1	370.9	394.8	402.7	255.9
77.5°	242.1	242.1	242.1	250.0	250.0	265.8	273.8	293.6	307.5	319.4	188.4
80°	180.5	178.6	180.5	182.5	182.5	190.4	204.3	218.2	230.1	230.1	129.0
82.5°	127.0	123.0	127.0	127.0	127.0	130.9	138.8	142.9	150.8	156.7	81.3
85°	79.4	79.4	79.4	81.3	79.4	83.3	85.3	89.2	89.2	85.3	49.6
87.5°	51.6	49.6	51.6	49.6	49.6	47.6	47.6	47.6	45.7	43.7	27.8
90°	34.8	34.8	34.8	34.8	34.8	46.4	61.9	69.7	59.9	40.3	25.6
92.5°	139.6	111.9	139.6	167.3	174.2	247.0	343.9	392.4	344.5	248.8	177.0
95°	486.5	402.6	486.5	570.4	591.4	776.7	1023.7	1147.1	968.8	612.2	344.8
97.5°	1165.6	1005.9	1165.6	1325.4	1365.3	1482.4	1638.4	1716.5	1419.2	824.7	378.7
100°	1679.5	1489.2	1679.5	1869.8	1917.4	1908.8	1897.4	1891.6	1561.7	902.0	407.1
102.5°	2184.9	2021.9	2184.9	2348.0	2388.7	2239.5	2040.6	1941.2	1606.6	937.4	435.5
105°	2829.3	2741.7	2829.3	2917.0	2938.9	2604.5	2158.6	1935.7	1611.7	963.7	477.7
107.5°	3251.4	3272.6	3251.4	3230.2	3224.9	2758.5	2136.7	1825.7	1540.0	968.6	540.1
110°	3412.3	3503.7	3412.3	3321.0	3298.3	2776.9	2081.6	1734.0	1476.4	961.3	574.9



TEST NUMBER: P934678

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3426.7	3567.0	3426.7	3286.5	3251.5	2717.9	2006.3	1650.6	1420.9	961.6	617.1
115°	3335.8	3530.3	3335.8	3141.5	3092.9	2578.8	1893.3	1550.6	1357.2	970.4	680.3
117.5°	3143.2	3358.8	3143.2	2927.6	2873.7	2409.7	1791.1	1481.8	1317.3	988.5	741.8
120°	2988.0	3197.4	2988.0	2778.4	2726.1	2302.1	1736.8	1454.3	1303.9	1003.2	777.6
122.5°	2836.7	3043.4	2836.7	2630.2	2578.5	2196.7	1687.6	1433.2	1296.9	1024.3	819.8
125°	2621.1	2811.4	2621.1	2430.8	2383.2	2058.9	1626.5	1410.3	1291.1	1052.7	873.9
127.5°	2427.1	2587.7	2427.1	2266.5	2226.4	1947.9	1576.7	1391.0	1287.7	1081.1	926.1
130°	2312.8	2461.2	2312.8	2164.4	2127.3	1879.4	1548.9	1383.7	1289.7	1101.9	961.0
132.5°	2209.0	2341.9	2209.0	2076.2	2043.0	1821.0	1525.1	1377.2	1291.1	1118.6	989.4
135°	2067.0	2181.4	2067.0	1952.4	1923.8	1737.9	1490.1	1366.3	1289.9	1137.1	1022.4
137.5°	1952.9	2046.6	1952.9	1859.2	1835.7	1678.7	1469.1	1364.4	1297.8	1164.6	1064.6
140°	1874.7	1962.2	1874.7	1787.0	1765.1	1629.5	1448.5	1358.0	1299.2	1181.3	1093.0
142.5°	1809.9	1885.2	1809.9	1734.5	1715.6	1596.4	1437.5	1358.0	1303.8	1195.4	1114.1
145°	1712.7	1769.7	1712.7	1655.7	1641.4	1543.9	1413.8	1348.8	1303.8	1213.8	1146.2
147.5°	1638.0	1685.4	1638.0	1590.8	1579.0	1502.3	1400.0	1348.8	1312.8	1240.7	1186.6
150°	1591.1	1629.5	1591.1	1552.8	1543.2	1478.4	1392.0	1348.8	1317.5	1254.7	1207.7
152.5°	1551.0	1579.9	1551.0	1522.0	1514.8	1459.5	1385.7	1348.8	1320.5	1263.9	1221.4
155°	1504.8	1524.0	1504.8	1485.7	1480.9	1436.9	1378.2	1348.8	1327.3	1284.1	1251.6
157.5°	1468.4	1481.8	1468.4	1454.8	1451.5	1417.3	1371.6	1348.8	1334.0	1304.2	1281.9
160°	1446.6	1454.3	1446.6	1438.9	1436.9	1407.5	1368.4	1348.8	1337.0	1313.5	1295.7
162.5°	1432.3	1439.7	1432.3	1425.0	1423.1	1398.3	1365.3	1348.8	1340.3	1323.1	1310.3
165°	1411.7	1419.4	1411.7	1404.0	1402.0	1384.2	1360.7	1348.8	1345.0	1337.2	1331.4
167.5°	1397.0	1400.2	1397.0	1393.6	1392.8	1381.2	1365.7	1358.0	1354.8	1348.3	1343.3
170°	1392.8	1392.8	1392.8	1392.8	1392.8	1381.2	1365.7	1358.0	1357.8	1357.4	1357.1
172.5°	1382.0	1379.1	1382.0	1384.8	1385.5	1376.4	1364.1	1358.0	1358.0	1358.0	1358.0
175°	1375.5	1375.5	1375.5	1375.5	1375.5	1369.7	1361.9	1358.0	1359.9	1363.5	1366.3
177.5°	1369.6	1366.3	1369.6	1372.8	1373.6	1369.1	1362.9	1359.9	1361.3	1364.1	1366.3
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934678

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2126.6	2114.7	2114.7	2094.9	2087.0	2081.0	2071.1	2041.3	2033.4	2025.4	2037.4
5°	2144.5	2122.7	2106.8	2071.1	2041.3	2029.4	1991.7	1920.3	1872.7	1837.0	1817.2
7.5°	2148.4	2120.7	2090.9	2035.4	1963.9	1932.2	1817.2	1686.3	1650.5	1618.8	1598.9
10°	2144.5	2112.7	2071.1	1987.8	1819.2	1763.6	1648.5	1563.2	1541.4	1535.5	1541.4
12.5°	2130.5	2100.9	2043.3	1904.5	1668.4	1630.6	1563.2	1513.6	1509.7	1519.6	1573.2
15°	2106.8	2079.0	2011.5	1793.3	1585.1	1557.3	1509.7	1491.8	1513.6	1583.0	1743.7
17.5°	2083.0	2051.3	1968.0	1684.3	1521.6	1501.8	1468.0	1503.7	1626.7	1720.0	1773.5
20°	2051.3	2013.5	1918.4	1604.9	1475.9	1458.1	1442.2	1602.9	1696.1	1729.8	1759.6
22.5°	2013.5	1973.9	1850.9	1549.3	1428.3	1414.4	1424.4	1658.5	1696.1	1720.0	1745.7
25°	1963.9	1930.2	1771.5	1505.7	1390.7	1374.8	1412.4	1652.5	1674.3	1680.2	1731.8
27.5°	1918.4	1874.7	1688.2	1466.0	1345.0	1339.1	1422.4	1626.7	1642.6	1648.5	1704.1
30°	1862.8	1797.3	1595.0	1424.4	1297.4	1295.4	1424.4	1595.0	1591.0	1606.9	1662.4
32.5°	1805.3	1682.2	1489.8	1372.8	1251.7	1249.8	1410.5	1547.3	1543.4	1565.2	1606.9
35°	1751.7	1593.0	1347.0	1313.3	1194.2	1196.2	1376.8	1491.8	1493.8	1513.6	1539.4
37.5°	1696.1	1515.6	1190.3	1247.8	1138.7	1138.7	1331.1	1440.3	1436.3	1442.2	1477.9
40°	1630.6	1394.6	1051.4	1162.5	1087.2	1081.1	1275.6	1384.6	1370.8	1368.9	1418.4
42.5°	1561.2	1261.7	948.2	1049.4	1027.6	1019.6	1208.1	1317.2	1291.5	1297.4	1360.9
45°	1485.9	1226.0	868.9	886.7	966.1	960.2	1134.7	1239.9	1222.0	1237.9	1303.4
47.5°	1410.5	1154.6	843.1	736.0	900.6	898.6	1053.3	1164.5	1154.6	1170.5	1239.9
50°	1307.3	1075.2	841.2	630.8	827.3	835.1	956.2	1091.1	1091.1	1105.0	1178.4
52.5°	1174.4	978.0	763.8	571.3	742.0	765.7	870.8	1027.6	1031.6	1045.5	1110.9
55°	1053.3	876.8	708.2	525.7	640.8	692.4	787.5	962.1	970.0	983.9	1043.5
57.5°	942.3	730.0	696.3	472.1	547.5	597.1	714.2	898.6	902.6	914.5	972.1
60°	823.3	527.7	638.8	414.6	466.2	503.8	646.7	823.3	837.1	845.1	894.7
62.5°	688.3	382.9	579.3	375.0	426.5	434.4	591.2	751.8	769.7	775.7	805.5
65°	490.0	321.3	492.0	341.3	384.8	386.8	531.7	678.5	694.3	704.2	726.1
67.5°	331.3	261.9	375.0	309.5	353.1	355.1	474.2	593.2	615.0	623.0	636.8
70°	230.1	174.6	277.8	275.8	317.4	321.3	412.6	515.8	535.6	541.6	549.5
72.5°	168.6	140.8	230.1	248.0	279.7	283.7	349.1	428.5	448.3	454.3	458.3
75°	129.0	148.8	186.5	216.2	238.0	240.0	285.6	349.1	363.0	367.0	369.0
77.5°	103.1	138.8	136.9	174.6	194.4	190.4	224.2	269.8	281.7	281.7	281.7
80°	77.4	109.2	103.1	125.0	142.9	138.8	160.7	192.5	196.4	200.4	198.4
82.5°	57.5	69.4	69.4	79.4	95.2	91.3	107.1	125.0	125.0	125.0	129.0
85°	35.7	39.6	31.7	41.7	53.5	51.6	59.6	67.4	69.4	69.4	65.5
87.5°	21.8	17.8	10.0	15.9	23.8	23.8	27.8	29.8	27.8	27.8	27.8
90°	23.8	16.5	9.2	16.5	23.8	25.6	40.3	59.9	69.7	61.9	46.4
92.5°	161.4	99.0	36.7	99.0	161.4	177.0	248.8	344.5	392.4	343.9	247.0
95°	316.3	202.1	88.0	202.1	316.3	344.8	612.2	968.8	1147.1	1023.7	776.7
97.5°	353.6	252.9	152.2	252.9	353.6	378.7	824.7	1419.2	1716.5	1638.4	1482.4
100°	384.3	293.0	201.7	293.0	384.3	407.1	902.0	1561.7	1891.6	1897.4	1908.8
102.5°	414.2	329.1	243.9	329.1	414.2	435.5	937.4	1606.6	1941.2	2040.6	2239.5
105°	459.7	387.6	315.4	387.6	459.7	477.7	963.7	1611.7	1935.7	2158.6	2604.5
107.5°	523.3	456.0	388.8	456.0	523.3	540.1	968.6	1540.0	1825.7	2136.7	2758.5
110°	559.8	499.0	438.3	499.0	559.8	574.9	961.3	1476.4	1734.0	2081.6	2776.9



TEST NUMBER: P934678

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	602.6	544.8	486.9	544.8	602.6	617.1	961.6	1420.9	1650.6	2006.3	2717.9
115°	667.0	613.6	560.2	613.6	667.0	680.3	970.4	1357.2	1550.6	1893.3	2578.8
117.5°	729.6	681.2	632.7	681.2	729.6	741.8	988.5	1317.3	1481.8	1791.1	2409.7
120°	766.1	720.6	674.9	720.6	766.1	777.6	1003.2	1303.9	1454.3	1736.8	2302.1
122.5°	808.2	762.2	716.1	762.2	808.2	819.8	1024.3	1296.9	1433.2	1687.6	2196.7
125°	863.4	821.4	779.4	821.4	863.4	873.9	1052.7	1291.1	1410.3	1626.5	2058.9
127.5°	915.6	873.2	830.8	873.2	915.6	926.1	1081.1	1287.7	1391.0	1576.7	1947.9
130°	949.5	904.0	858.3	904.0	949.5	961.0	1101.9	1289.7	1383.7	1548.9	1879.4
132.5°	977.9	932.4	886.7	932.4	977.9	989.4	1118.6	1291.1	1377.2	1525.1	1821.0
135°	1012.0	970.4	928.9	970.4	1012.0	1022.4	1137.1	1289.9	1366.3	1490.1	1737.9
137.5°	1054.3	1013.1	972.0	1013.1	1054.3	1064.6	1164.6	1297.8	1364.4	1469.1	1678.7
140°	1083.5	1045.6	1007.7	1045.6	1083.5	1093.0	1181.3	1299.2	1358.0	1448.5	1629.5
142.5°	1105.3	1070.3	1035.2	1070.3	1105.3	1114.1	1195.4	1303.8	1358.0	1437.5	1596.4
145°	1138.5	1108.0	1077.4	1108.0	1138.5	1146.2	1213.8	1303.8	1348.8	1413.8	1543.9
147.5°	1179.2	1149.4	1119.6	1149.4	1179.2	1186.6	1240.7	1312.8	1348.8	1400.0	1502.3
150°	1200.9	1174.0	1147.1	1174.0	1200.9	1207.7	1254.7	1317.5	1348.8	1392.0	1478.4
152.5°	1216.2	1195.9	1175.5	1195.9	1216.2	1221.4	1263.9	1320.5	1348.8	1385.7	1459.5
155°	1247.9	1232.8	1217.7	1232.8	1247.9	1251.6	1284.1	1327.3	1348.8	1378.2	1436.9
157.5°	1278.3	1263.6	1248.9	1263.6	1278.3	1281.9	1304.2	1334.0	1348.8	1371.6	1417.3
160°	1292.8	1281.4	1270.0	1281.4	1292.8	1295.7	1313.5	1337.0	1348.8	1368.4	1407.5
162.5°	1308.1	1299.6	1291.1	1299.6	1308.1	1310.3	1323.1	1340.3	1348.8	1365.3	1398.3
165°	1329.4	1321.7	1314.0	1321.7	1329.4	1331.4	1337.2	1345.0	1348.8	1360.7	1384.2
167.5°	1342.4	1338.7	1335.0	1338.7	1342.4	1343.3	1348.3	1354.8	1358.0	1365.7	1381.2
170°	1356.2	1352.5	1348.8	1352.5	1356.2	1357.1	1357.4	1357.8	1358.0	1365.7	1381.2
172.5°	1357.8	1356.9	1356.1	1356.9	1357.8	1358.0	1358.0	1358.0	1358.0	1364.1	1376.4
175°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1363.5	1359.9	1358.0	1361.9
177.5°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1364.1	1361.3	1359.9	1362.9
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934678
 CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2023.5	2017.6	2025.4	2003.7	2025.4	2017.6	2023.5	2037.4	2025.4	2033.4	2041.3
5°	1775.5	1765.5	1733.9	1708.0	1733.9	1765.5	1775.5	1817.2	1837.0	1872.7	1920.3
7.5°	1587.1	1579.1	1571.2	1555.3	1571.2	1579.1	1587.1	1598.9	1618.8	1650.5	1686.3
10°	1545.4	1547.3	1559.3	1557.3	1559.3	1547.3	1545.4	1541.4	1535.5	1541.4	1563.2
12.5°	1652.5	1670.4	1735.9	1731.8	1735.9	1670.4	1652.5	1573.2	1519.6	1509.7	1513.6
15°	1775.5	1781.4	1795.3	1797.3	1795.3	1781.4	1775.5	1743.7	1583.0	1513.6	1491.8
17.5°	1787.4	1789.4	1799.3	1799.3	1799.3	1789.4	1787.4	1773.5	1720.0	1626.7	1503.7
20°	1777.5	1781.4	1801.3	1805.3	1801.3	1781.4	1777.5	1759.6	1729.8	1696.1	1602.9
22.5°	1773.5	1781.4	1797.3	1795.3	1797.3	1781.4	1773.5	1745.7	1720.0	1696.1	1658.5
25°	1753.7	1753.7	1755.7	1757.6	1755.7	1753.7	1753.7	1731.8	1680.2	1674.3	1652.5
27.5°	1712.0	1715.9	1727.9	1725.9	1727.9	1715.9	1712.0	1704.1	1648.5	1642.6	1626.7
30°	1674.3	1670.4	1660.4	1652.5	1660.4	1670.4	1674.3	1662.4	1606.9	1591.0	1595.0
32.5°	1610.8	1600.9	1591.0	1585.1	1591.0	1600.9	1610.8	1606.9	1565.2	1543.4	1547.3
35°	1535.5	1537.5	1535.5	1529.5	1535.5	1537.5	1535.5	1539.4	1513.6	1493.8	1491.8
37.5°	1481.9	1485.9	1483.8	1475.9	1483.8	1485.9	1481.9	1477.9	1442.2	1436.3	1440.3
40°	1426.3	1428.3	1426.3	1420.4	1426.3	1428.3	1426.3	1418.4	1368.9	1370.8	1384.6
42.5°	1372.8	1370.8	1364.8	1360.9	1364.8	1370.8	1372.8	1360.9	1297.4	1291.5	1317.2
45°	1311.3	1313.3	1301.3	1295.4	1301.3	1313.3	1311.3	1303.4	1237.9	1222.0	1239.9
47.5°	1249.8	1249.8	1239.9	1233.9	1239.9	1249.8	1249.8	1239.9	1170.5	1154.6	1164.5
50°	1184.3	1182.3	1168.4	1166.4	1168.4	1182.3	1184.3	1178.4	1105.0	1091.1	1091.1
52.5°	1109.0	1109.0	1110.9	1114.9	1110.9	1109.0	1109.0	1110.9	1045.5	1031.6	1027.6
55°	1043.5	1045.5	1059.4	1063.3	1059.4	1045.5	1043.5	1043.5	983.9	970.0	962.1
57.5°	976.0	976.0	985.9	985.9	985.9	976.0	976.0	972.1	914.5	902.6	898.6
60°	898.6	902.6	910.6	908.6	910.6	902.6	898.6	894.7	845.1	837.1	823.3
62.5°	817.3	821.3	823.3	819.3	823.3	821.3	817.3	805.5	775.7	769.7	751.8
65°	732.0	736.0	737.9	734.0	737.9	736.0	732.0	726.1	704.2	694.3	678.5
67.5°	644.7	642.8	640.8	648.7	640.8	642.8	644.7	636.8	623.0	615.0	593.2
70°	555.4	555.4	553.4	557.5	553.4	555.4	555.4	549.5	541.6	535.6	515.8
72.5°	460.3	458.3	466.2	460.3	466.2	458.3	460.3	458.3	454.3	448.3	428.5
75°	367.0	370.9	367.0	372.9	367.0	370.9	367.0	369.0	367.0	363.0	349.1
77.5°	279.7	283.7	279.7	279.7	279.7	283.7	279.7	281.7	281.7	281.7	269.8
80°	198.4	196.4	196.4	194.4	196.4	196.4	198.4	198.4	200.4	196.4	192.5
82.5°	127.0	125.0	125.0	129.0	125.0	125.0	127.0	129.0	125.0	125.0	125.0
85°	69.4	71.4	67.4	67.4	67.4	71.4	69.4	65.5	69.4	69.4	67.4
87.5°	25.8	23.8	23.8	23.8	23.8	23.8	25.8	27.8	27.8	27.8	29.8
90°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	46.4	61.9	69.7	59.9
92.5°	174.2	167.3	139.6	111.9	139.6	167.3	174.2	247.0	343.9	392.4	344.5
95°	591.4	570.4	486.5	402.6	486.5	570.4	591.4	776.7	1023.7	1147.1	968.8
97.5°	1365.3	1325.4	1165.6	1005.9	1165.6	1325.4	1365.3	1482.4	1638.4	1716.5	1419.2
100°	1917.4	1869.8	1679.5	1489.2	1679.5	1869.8	1917.4	1908.8	1897.4	1891.6	1561.7
102.5°	2388.7	2348.0	2184.9	2021.9	2184.9	2348.0	2388.7	2239.5	2040.6	1941.2	1606.6
105°	2938.9	2917.0	2829.3	2741.7	2829.3	2917.0	2938.9	2604.5	2158.6	1935.7	1611.7
107.5°	3224.9	3230.2	3251.4	3272.6	3251.4	3230.2	3224.9	2758.5	2136.7	1825.7	1540.0
110°	3298.3	3321.0	3412.3	3503.7	3412.3	3321.0	3298.3	2776.9	2081.6	1734.0	1476.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3251.5	3286.5	3426.7	3567.0	3426.7	3286.5	3251.5	2717.9	2006.3	1650.6	1420.9
115°	3092.9	3141.5	3335.8	3530.3	3335.8	3141.5	3092.9	2578.8	1893.3	1550.6	1357.2
117.5°	2873.7	2927.6	3143.2	3358.8	3143.2	2927.6	2873.7	2409.7	1791.1	1481.8	1317.3
120°	2726.1	2778.4	2988.0	3197.4	2988.0	2778.4	2726.1	2302.1	1736.8	1454.3	1303.9
122.5°	2578.5	2630.2	2836.7	3043.4	2836.7	2630.2	2578.5	2196.7	1687.6	1433.2	1296.9
125°	2383.2	2430.8	2621.1	2811.4	2621.1	2430.8	2383.2	2058.9	1626.5	1410.3	1291.1
127.5°	2226.4	2266.5	2427.1	2587.7	2427.1	2266.5	2226.4	1947.9	1576.7	1391.0	1287.7
130°	2127.3	2164.4	2312.8	2461.2	2312.8	2164.4	2127.3	1879.4	1548.9	1383.7	1289.7
132.5°	2043.0	2076.2	2209.0	2341.9	2209.0	2076.2	2043.0	1821.0	1525.1	1377.2	1291.1
135°	1923.8	1952.4	2067.0	2181.4	2067.0	1952.4	1923.8	1737.9	1490.1	1366.3	1289.9
137.5°	1835.7	1859.2	1952.9	2046.6	1952.9	1859.2	1835.7	1678.7	1469.1	1364.4	1297.8
140°	1765.1	1787.0	1874.7	1962.2	1874.7	1787.0	1765.1	1629.5	1448.5	1358.0	1299.2
142.5°	1715.6	1734.5	1809.9	1885.2	1809.9	1734.5	1715.6	1596.4	1437.5	1358.0	1303.8
145°	1641.4	1655.7	1712.7	1769.7	1712.7	1655.7	1641.4	1543.9	1413.8	1348.8	1303.8
147.5°	1579.0	1590.8	1638.0	1685.4	1638.0	1590.8	1579.0	1502.3	1400.0	1348.8	1312.8
150°	1543.2	1552.8	1591.1	1629.5	1591.1	1552.8	1543.2	1478.4	1392.0	1348.8	1317.5
152.5°	1514.8	1522.0	1551.0	1579.9	1551.0	1522.0	1514.8	1459.5	1385.7	1348.8	1320.5
155°	1480.9	1485.7	1504.8	1524.0	1504.8	1485.7	1480.9	1436.9	1378.2	1348.8	1327.3
157.5°	1451.5	1454.8	1468.4	1481.8	1468.4	1454.8	1451.5	1417.3	1371.6	1348.8	1334.0
160°	1436.9	1438.9	1446.6	1454.3	1446.6	1438.9	1436.9	1407.5	1368.4	1348.8	1337.0
162.5°	1423.1	1425.0	1432.3	1439.7	1432.3	1425.0	1423.1	1398.3	1365.3	1348.8	1340.3
165°	1402.0	1404.0	1411.7	1419.4	1411.7	1404.0	1402.0	1384.2	1360.7	1348.8	1345.0
167.5°	1392.8	1393.6	1397.0	1400.2	1397.0	1393.6	1392.8	1381.2	1365.7	1358.0	1354.8
170°	1392.8	1392.8	1392.8	1392.8	1392.8	1392.8	1392.8	1381.2	1365.7	1358.0	1357.8
172.5°	1385.5	1384.8	1382.0	1379.1	1382.0	1384.8	1385.5	1376.4	1364.1	1358.0	1358.0
175°	1375.5	1375.5	1375.5	1375.5	1375.5	1375.5	1375.5	1369.7	1361.9	1358.0	1359.9
177.5°	1373.6	1372.8	1369.6	1366.3	1369.6	1372.8	1373.6	1369.1	1362.9	1359.9	1361.3
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934678

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2096.8	2096.8	2096.8	2096.8	2096.8
2.5°	2071.1	2081.0	2087.0	2094.9	2114.7
5°	1991.7	2029.4	2041.3	2071.1	2106.8
7.5°	1817.2	1932.2	1963.9	2035.4	2090.9
10°	1648.5	1763.6	1819.2	1987.8	2071.1
12.5°	1563.2	1630.6	1668.4	1904.5	2043.3
15°	1509.7	1557.3	1585.1	1793.3	2011.5
17.5°	1468.0	1501.8	1521.6	1684.3	1968.0
20°	1442.2	1458.1	1475.9	1604.9	1918.4
22.5°	1424.4	1414.4	1428.3	1549.3	1850.9
25°	1412.4	1374.8	1390.7	1505.7	1771.5
27.5°	1422.4	1339.1	1345.0	1466.0	1688.2
30°	1424.4	1295.4	1297.4	1424.4	1595.0
32.5°	1410.5	1249.8	1251.7	1372.8	1489.8
35°	1376.8	1196.2	1194.2	1313.3	1347.0
37.5°	1331.1	1138.7	1138.7	1247.8	1190.3
40°	1275.6	1081.1	1087.2	1162.5	1051.4
42.5°	1208.1	1019.6	1027.6	1049.4	948.2
45°	1134.7	960.2	966.1	886.7	868.9
47.5°	1053.3	898.6	900.6	736.0	843.1
50°	956.2	835.1	827.3	630.8	841.2
52.5°	870.8	765.7	742.0	571.3	763.8
55°	787.5	692.4	640.8	525.7	708.2
57.5°	714.2	597.1	547.5	472.1	696.3
60°	646.7	503.8	466.2	414.6	638.8
62.5°	591.2	434.4	426.5	375.0	579.3
65°	531.7	386.8	384.8	341.3	492.0
67.5°	474.2	355.1	353.1	309.5	375.0
70°	412.6	321.3	317.4	275.8	277.8
72.5°	349.1	283.7	279.7	248.0	230.1
75°	285.6	240.0	238.0	216.2	186.5
77.5°	224.2	190.4	194.4	174.6	136.9
80°	160.7	138.8	142.9	125.0	103.1
82.5°	107.1	91.3	95.2	79.4	69.4
85°	59.6	51.6	53.5	41.7	31.7
87.5°	27.8	23.8	23.8	15.9	10.0
90°	40.3	25.6	23.8	16.5	9.2
92.5°	248.8	177.0	161.4	99.0	36.7
95°	612.2	344.8	316.3	202.1	88.0
97.5°	824.7	378.7	353.6	252.9	152.2
100°	902.0	407.1	384.3	293.0	201.7
102.5°	937.4	435.5	414.2	329.1	243.9
105°	963.7	477.7	459.7	387.6	315.4
107.5°	968.6	540.1	523.3	456.0	388.8
110°	961.3	574.9	559.8	499.0	438.3



TEST NUMBER: P934678

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	961.6	617.1	602.6	544.8	486.9
115°	970.4	680.3	667.0	613.6	560.2
117.5°	988.5	741.8	729.6	681.2	632.7
120°	1003.2	777.6	766.1	720.6	674.9
122.5°	1024.3	819.8	808.2	762.2	716.1
125°	1052.7	873.9	863.4	821.4	779.4
127.5°	1081.1	926.1	915.6	873.2	830.8
130°	1101.9	961.0	949.5	904.0	858.3
132.5°	1118.6	989.4	977.9	932.4	886.7
135°	1137.1	1022.4	1012.0	970.4	928.9
137.5°	1164.6	1064.6	1054.3	1013.1	972.0
140°	1181.3	1093.0	1083.5	1045.6	1007.7
142.5°	1195.4	1114.1	1105.3	1070.3	1035.2
145°	1213.8	1146.2	1138.5	1108.0	1077.4
147.5°	1240.7	1186.6	1179.2	1149.4	1119.6
150°	1254.7	1207.7	1200.9	1174.0	1147.1
152.5°	1263.9	1221.4	1216.2	1195.9	1175.5
155°	1284.1	1251.6	1247.9	1232.8	1217.7
157.5°	1304.2	1281.9	1278.3	1263.6	1248.9
160°	1313.5	1295.7	1292.8	1281.4	1270.0
162.5°	1323.1	1310.3	1308.1	1299.6	1291.1
165°	1337.2	1331.4	1329.4	1321.7	1314.0
167.5°	1348.3	1343.3	1342.4	1338.7	1335.0
170°	1357.4	1357.1	1356.2	1352.5	1348.8
172.5°	1358.0	1358.0	1357.8	1356.9	1356.1
175°	1363.5	1366.3	1366.3	1366.3	1366.3
177.5°	1364.1	1366.3	1366.3	1366.3	1366.3
180°	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934678
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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	10.09	10.86	11.14	11.91	13.34	12.94	13.71	14.00	14.76	16.20
	3H	10.56	11.24	11.62	12.31	13.76	14.29	14.97	15.35	16.04	17.49
	4H	10.75	11.40	11.82	12.46	13.92	14.73	15.38	15.81	16.45	17.90
	6H	10.86	11.46	11.94	12.53	14.00	15.02	15.61	16.10	16.68	18.15
	8H	10.86	11.43	11.95	12.51	13.98	15.09	15.66	16.18	16.75	18.21
	12H	10.83	11.37	11.92	12.45	13.93	15.13	15.67	16.22	16.75	18.24
4H	2H	11.12	11.76	12.20	12.83	14.29	13.34	13.99	14.42	15.05	16.51
	3H	12.13	12.68	13.22	13.77	15.24	14.84	15.38	15.93	16.48	17.95
	4H	12.41	12.90	13.50	13.99	15.48	15.37	15.87	16.46	16.95	18.44
	6H	12.53	12.95	13.63	14.06	15.54	15.74	16.16	16.84	17.27	18.75
	8H	12.53	12.93	13.63	14.03	15.53	15.84	16.24	16.94	17.34	18.84
	12H	12.49	12.85	13.61	13.96	15.47	15.90	16.26	17.02	17.37	18.88
8H	4H	12.86	13.25	13.96	14.35	15.85	15.49	15.88	16.59	16.98	18.48
	6H	13.11	13.44	14.24	14.58	16.08	15.92	16.25	17.05	17.39	18.89
	8H	13.15	13.44	14.29	14.57	16.08	16.08	16.37	17.21	17.49	19.01
	12H	13.13	13.39	14.27	14.51	16.06	16.18	16.43	17.31	17.55	19.10
12H	4H	12.86	13.22	13.98	14.33	15.84	15.45	15.80	16.56	16.92	18.42
	6H	13.17	13.46	14.30	14.59	16.10	15.92	16.21	17.05	17.33	18.85
	8H	13.24	13.49	14.37	14.61	16.16	16.08	16.33	17.21	17.45	19.01