

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: P934681

Luminaire Tested: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934681
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-12-500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

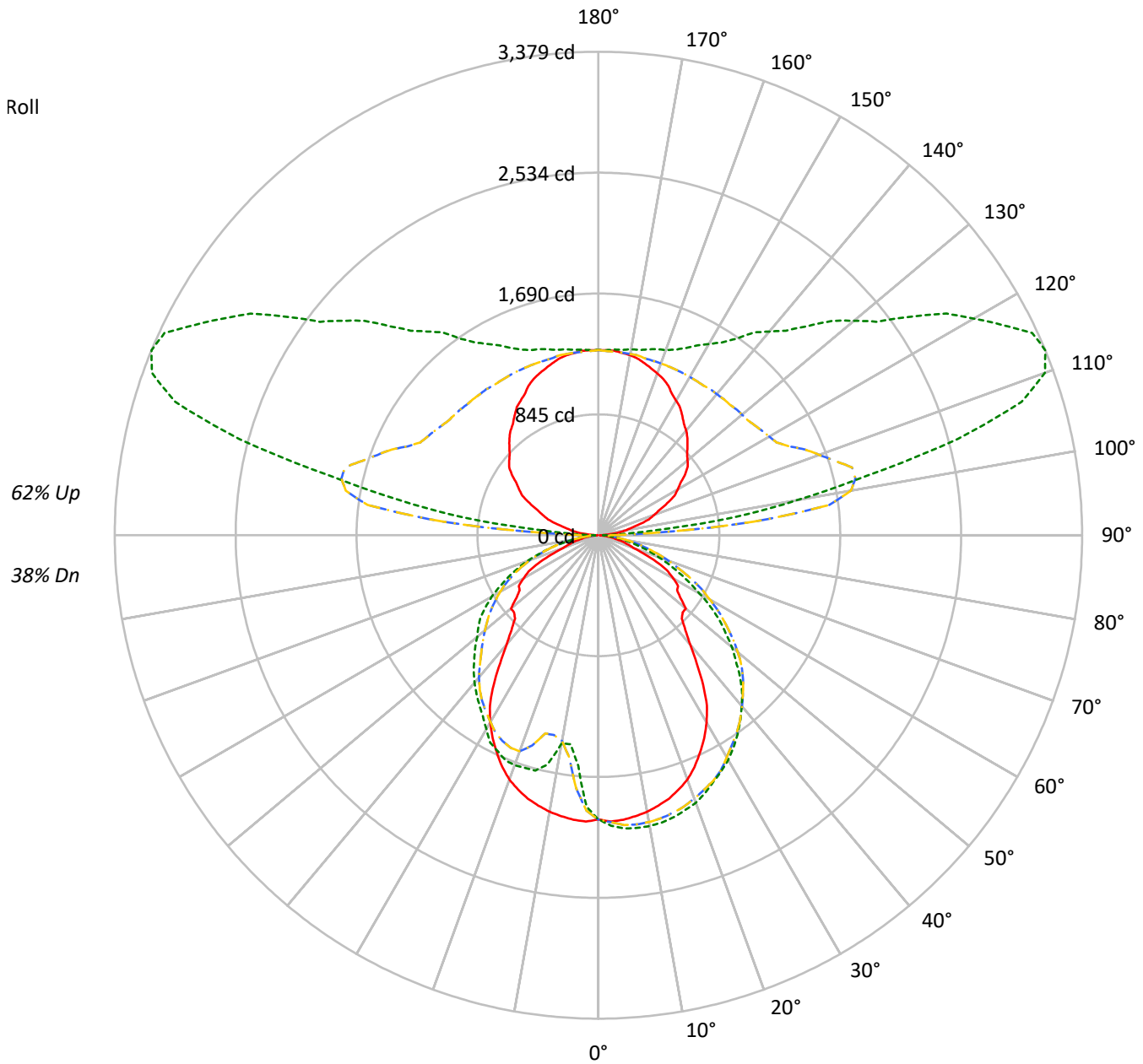
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13544.9 lumens
Efficiency: N/A
Efficacy: 131.2 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 (A_{in}): 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	38	38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32	32	32	32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27	27	27	27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23	23	23	23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20	20	20	20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17	17	17	17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15	15	15	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13	13	13	13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12	12	12	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11	11	11	11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10	10	10	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6143	6143	6143	6143
5°	6192	6202	6192	4877
10°	6153	6109	6153	4368
15°	6088	5977	6088	4991
20°	5963	5820	5963	5001
25°	5705	5591	5705	4895
30°	5370	5401	5370	4663
35°	4790	5161	4790	4407
40°	3993	4878	3993	4214
45°	3570	4548	3570	3991
50°	3796	4153	3796	3768
55°	3575	3728	3575	3639
60°	3690	3166	3690	3333
65°	3351	2617	3351	2925
70°	2326	2086	2326	2452
75°	2047	1542	2047	1846
80°	1662	1019	1662	1110
85°	975	540	975	459

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5469 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.3	1.3
10°-20°	509.1	3.8
20°-30°	786.9	5.8
30°-40°	939.4	6.9
40°-50°	944.9	7.0
50°-60°	822.2	6.1
60°-70°	583.0	4.3
70°-80°	308.4	2.3
80°-90°	81.8	0.6
90°-100°	630.9	4.7
100°-110°	1658.6	12.2
110°-120°	1719.8	12.7
120°-130°	1379.5	10.2
130°-140°	1082.4	8.0
140°-150°	830.8	6.1
150°-160°	598.3	4.4
160°-170°	366.1	2.7
170°-180°	123.7	0.9
0°-30°	1475.3	10.9
0°-40°	2414.7	17.8
0°-60°	4181.9	30.9
0°-90°	5155.0	38.1
90°-120°	4009.2	29.6
90°-150°	7301.8	53.9
90°-180°	8390.0	61.9
0°-180°	13544.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1986	1986	1986	1986	1986	
5°	1996	2058	1996	1618	1996	189
15°	1906	2039	1906	1702	1906	536
25°	1678	1902	1678	1665	1678	771
35°	1276	1697	1276	1449	1276	789
45°	823	1398	823	1227	823	659
55°	671	1032	671	1007	671	616
65°	466	622	466	695	466	445
75°	177	295	177	353	177	186
85°	30	75	30	64	30	41
90°	9	33	9	33	9	8
95°	83	381	83	381	83	93
105°	299	2597	299	2597	299	317
115°	531	3344	531	3344	531	524
125°	738	2663	738	2663	738	656
135°	880	2066	880	2066	880	681
145°	1021	1676	1021	1676	1021	639
155°	1154	1444	1154	1444	1154	530
165°	1245	1345	1245	1345	1245	351
175°	1294	1303	1294	1303	1294	123
180°	1294	1294	1294	1294	1294	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	2003.1	2003.1	2014.5	2018.2	2018.2	2012.6	2007.0	2012.6	2029.5	2035.1	2033.2
5°	1995.7	2010.7	2031.4	2035.1	2038.9	2037.1	2033.2	2037.1	2055.8	2059.6	2061.4
7.5°	1980.6	2008.8	2035.1	2040.8	2046.4	2040.8	2038.9	2042.7	2061.4	2065.2	2065.2
10°	1961.9	2001.3	2031.4	2035.1	2040.8	2035.1	2035.1	2042.7	2061.4	2065.2	2067.1
12.5°	1935.5	1990.1	2018.2	2022.0	2029.5	2027.6	2025.8	2033.2	2052.1	2055.8	2055.8
15°	1905.5	1969.3	1995.7	1999.4	2012.6	2008.8	2008.8	2016.3	2037.1	2042.7	2040.8
17.5°	1864.2	1943.1	1973.2	1978.8	1988.2	1986.2	1988.2	1995.7	2014.5	2018.2	2020.1
20°	1817.2	1907.3	1943.1	1948.7	1958.1	1958.1	1958.1	1967.5	1986.2	1993.8	1993.8
22.5°	1753.3	1869.8	1907.3	1911.2	1922.4	1922.4	1926.2	1939.3	1956.2	1958.1	1958.1
25°	1678.1	1828.4	1860.3	1871.6	1882.9	1888.5	1894.2	1901.7	1907.3	1905.5	1907.3
27.5°	1599.2	1775.8	1817.2	1824.7	1839.7	1845.3	1852.9	1854.7	1856.6	1862.2	1858.5
30°	1510.8	1702.5	1764.5	1772.1	1796.5	1800.3	1792.7	1796.5	1805.9	1809.6	1813.4
32.5°	1411.3	1593.5	1710.1	1727.0	1749.5	1738.3	1736.3	1742.0	1757.0	1757.0	1760.8
35°	1275.9	1509.0	1659.3	1674.4	1691.3	1678.1	1685.6	1687.5	1696.9	1702.5	1700.6
37.5°	1127.5	1435.7	1606.7	1618.0	1631.1	1614.2	1625.4	1631.1	1638.6	1634.9	1634.9
40°	995.9	1321.0	1544.6	1552.2	1563.4	1550.3	1561.6	1565.4	1569.1	1565.4	1563.4
42.5°	898.2	1195.1	1478.9	1488.3	1480.8	1490.2	1493.9	1501.5	1495.8	1488.3	1488.3
45°	823.0	1161.3	1407.5	1418.7	1407.5	1422.6	1428.2	1428.2	1411.3	1407.5	1405.6
47.5°	798.7	1093.7	1336.1	1336.1	1330.5	1349.3	1358.6	1345.5	1328.6	1322.9	1322.9
50°	796.8	1018.5	1238.4	1230.8	1257.2	1279.7	1270.3	1257.2	1244.0	1223.4	1223.4
52.5°	723.5	926.4	1112.5	1140.7	1182.0	1195.1	1180.1	1166.9	1144.4	1135.0	1127.5
55°	670.9	830.6	997.8	1054.2	1097.4	1114.4	1086.1	1073.0	1039.2	1033.6	1029.8
57.5°	659.6	691.5	892.6	964.0	1016.7	1014.8	997.8	973.4	945.2	939.6	937.7
60°	605.1	499.9	779.9	864.4	918.9	913.3	898.2	875.7	849.4	845.6	841.9
62.5°	548.7	362.7	652.0	747.9	824.9	823.0	810.0	776.1	757.3	747.9	740.4
65°	466.1	304.4	464.2	622.0	732.9	736.6	708.4	684.1	663.3	652.0	650.2
67.5°	355.2	248.1	313.8	518.7	644.6	640.8	605.1	593.8	567.5	561.9	550.6
70°	263.1	165.4	218.0	421.0	558.2	548.7	520.5	507.3	483.0	469.8	462.2
72.5°	218.0	133.4	159.7	327.0	469.8	458.5	434.1	419.1	398.4	387.1	379.6
75°	176.6	140.9	122.2	242.4	381.4	374.0	351.4	336.3	319.4	304.4	306.3
77.5°	129.6	131.5	97.7	178.5	302.5	291.3	278.1	259.4	251.8	236.8	236.8
80°	97.7	103.4	73.3	122.2	218.0	218.0	206.7	193.5	180.4	172.9	172.9
82.5°	65.8	65.8	54.5	77.1	148.4	142.8	135.3	131.5	124.0	120.3	120.3
85°	30.1	37.5	33.8	47.0	80.8	84.5	84.5	80.8	78.9	75.2	77.1
87.5°	9.4	16.9	20.6	26.3	41.4	43.2	45.1	45.1	45.1	47.0	47.0
90°	8.7	15.6	22.5	24.3	38.2	56.8	66.0	58.7	44.0	33.0	33.0
92.5°	34.7	93.8	152.9	167.7	235.6	326.3	371.7	325.8	234.0	165.0	158.5
95°	83.4	191.5	299.6	326.6	579.9	917.7	1086.6	969.7	735.7	560.2	540.3
97.5°	144.2	239.6	334.9	358.7	781.2	1344.4	1626.0	1552.0	1404.2	1293.3	1255.5
100°	191.1	277.6	364.1	385.6	854.4	1479.4	1791.9	1797.3	1808.1	1816.3	1771.1
102.5°	231.1	311.8	392.4	412.5	888.0	1521.9	1838.9	1933.0	2121.4	2262.7	2224.1
105°	298.8	367.2	435.4	452.5	912.9	1526.7	1833.6	2044.8	2467.2	2783.9	2763.1
107.5°	368.3	432.0	495.7	511.6	917.6	1458.8	1729.4	2024.0	2613.1	3054.8	3059.9
110°	415.2	472.7	530.2	544.6	910.6	1398.6	1642.5	1971.9	2630.4	3124.3	3145.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	461.2	516.0	570.9	584.6	910.9	1346.0	1563.5	1900.5	2574.6	3080.1	3113.2
115°	530.7	581.2	631.9	644.5	919.2	1285.7	1468.8	1793.5	2442.8	2929.8	2975.8
117.5°	599.3	645.3	691.2	702.6	936.3	1247.8	1403.6	1696.6	2282.6	2722.1	2773.2
120°	639.3	682.6	725.7	736.6	950.3	1235.1	1377.6	1645.2	2180.7	2582.3	2631.9
122.5°	678.4	722.0	765.6	776.5	970.2	1228.5	1357.6	1598.6	2080.9	2442.5	2491.4
125°	738.3	778.1	817.9	827.8	997.1	1223.0	1335.9	1540.7	1950.3	2257.5	2302.6
127.5°	787.0	827.2	867.3	877.3	1024.1	1219.8	1317.7	1493.6	1845.2	2109.0	2147.0
130°	813.0	856.3	899.4	910.3	1043.7	1221.7	1310.7	1467.2	1780.3	2015.1	2050.2
132.5°	839.9	883.2	926.3	937.2	1059.6	1223.0	1304.6	1444.7	1725.0	1935.2	1966.7
135°	879.9	919.2	958.7	968.5	1077.1	1221.9	1294.2	1411.6	1646.3	1822.3	1849.4
137.5°	920.7	959.7	998.7	1008.4	1103.1	1229.3	1292.5	1391.7	1590.1	1738.9	1761.2
140°	954.5	990.4	1026.4	1035.3	1119.0	1230.6	1286.4	1372.1	1543.5	1672.0	1692.8
142.5°	980.6	1013.9	1047.0	1055.3	1132.4	1235.0	1286.4	1361.7	1512.2	1625.2	1643.0
145°	1020.6	1049.5	1078.5	1085.8	1149.8	1235.0	1277.7	1339.3	1462.5	1554.8	1568.4
147.5°	1060.6	1088.8	1117.0	1124.0	1175.3	1243.5	1277.7	1326.2	1423.0	1495.7	1506.9
150°	1086.6	1112.1	1137.6	1144.0	1188.5	1248.0	1277.7	1318.6	1400.4	1461.8	1470.9
152.5°	1113.5	1132.8	1152.1	1156.9	1197.2	1250.9	1277.7	1312.6	1382.5	1434.9	1441.7
155°	1153.5	1167.8	1182.1	1185.6	1216.3	1257.3	1277.7	1305.5	1361.1	1402.8	1407.4
157.5°	1183.0	1196.9	1210.8	1214.3	1235.4	1263.6	1277.7	1299.3	1342.5	1374.9	1378.1
160°	1203.0	1213.8	1224.7	1227.4	1244.2	1266.5	1277.7	1296.2	1333.3	1361.1	1363.0
162.5°	1223.0	1231.1	1239.1	1241.2	1253.3	1269.6	1277.7	1293.3	1324.6	1348.0	1349.8
165°	1244.7	1252.0	1259.3	1261.2	1266.7	1274.1	1277.7	1288.9	1311.2	1328.1	1329.9
167.5°	1264.6	1268.1	1271.6	1272.5	1277.2	1283.3	1286.4	1293.7	1308.3	1319.4	1320.1
170°	1277.7	1281.2	1284.7	1285.6	1285.8	1286.2	1286.4	1293.7	1308.3	1319.4	1319.4
172.5°	1284.6	1285.4	1286.2	1286.4	1286.4	1286.4	1286.4	1292.2	1303.8	1312.5	1311.8
175°	1294.2	1294.2	1294.2	1294.2	1291.6	1288.2	1286.4	1290.0	1297.4	1302.9	1302.9
177.5°	1294.2	1294.2	1294.2	1294.2	1292.2	1289.5	1288.2	1291.1	1296.9	1301.2	1300.4
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	2037.1	2031.4	2037.1	2033.2	2035.1	2029.5	2012.6	2007.0	2012.6	2018.2	2018.2
5°	2061.4	2057.7	2061.4	2061.4	2059.6	2055.8	2037.1	2033.2	2037.1	2038.9	2035.1
7.5°	2069.0	2063.3	2069.0	2065.2	2065.2	2061.4	2042.7	2038.9	2040.8	2046.4	2040.8
10°	2069.0	2063.3	2069.0	2067.1	2065.2	2061.4	2042.7	2035.1	2035.1	2040.8	2035.1
12.5°	2059.6	2055.8	2059.6	2055.8	2055.8	2052.1	2033.2	2025.8	2027.6	2029.5	2022.0
15°	2044.5	2038.9	2044.5	2040.8	2042.7	2037.1	2016.3	2008.8	2008.8	2012.6	1999.4
17.5°	2022.0	2014.5	2022.0	2020.1	2018.2	2014.5	1995.7	1988.2	1986.2	1988.2	1978.8
20°	1995.7	1990.1	1995.7	1993.8	1993.8	1986.2	1967.5	1958.1	1958.1	1958.1	1948.7
22.5°	1954.3	1948.7	1954.3	1958.1	1958.1	1956.2	1939.3	1926.2	1922.4	1922.4	1911.2
25°	1907.3	1901.7	1907.3	1907.3	1905.5	1907.3	1901.7	1894.2	1888.5	1882.9	1871.6
27.5°	1862.2	1858.5	1862.2	1858.5	1862.2	1856.6	1854.7	1852.9	1845.3	1839.7	1824.7
30°	1817.2	1813.4	1817.2	1813.4	1809.6	1805.9	1796.5	1792.7	1800.3	1796.5	1772.1
32.5°	1760.8	1757.0	1760.8	1760.8	1757.0	1757.0	1742.0	1736.3	1738.3	1749.5	1727.0
35°	1702.5	1696.9	1702.5	1700.6	1702.5	1696.9	1687.5	1685.6	1678.1	1691.3	1674.4
37.5°	1634.9	1629.3	1634.9	1634.9	1634.9	1638.6	1631.1	1625.4	1614.2	1631.1	1618.0
40°	1565.4	1557.8	1565.4	1563.4	1565.4	1569.1	1565.4	1561.6	1550.3	1563.4	1552.2
42.5°	1486.5	1484.5	1486.5	1488.3	1488.3	1495.8	1501.5	1493.9	1490.2	1480.8	1488.3
45°	1401.8	1398.1	1401.8	1405.6	1407.5	1411.3	1428.2	1428.2	1422.6	1407.5	1418.7
47.5°	1311.6	1302.3	1311.6	1322.9	1322.9	1328.6	1345.5	1358.6	1349.3	1330.5	1336.1
50°	1215.8	1217.7	1215.8	1223.4	1223.4	1244.0	1257.2	1270.3	1279.7	1257.2	1230.8
52.5°	1121.8	1120.0	1121.8	1127.5	1135.0	1144.4	1166.9	1180.1	1195.1	1182.0	1140.7
55°	1027.9	1031.7	1027.9	1029.8	1033.6	1039.2	1073.0	1086.1	1114.4	1097.4	1054.2
57.5°	933.9	928.3	933.9	937.7	939.6	945.2	973.4	997.8	1014.8	1016.7	964.0
60°	824.9	817.4	824.9	841.9	845.6	849.4	875.7	898.2	913.3	918.9	864.4
62.5°	729.1	716.0	729.1	740.4	747.9	757.3	776.1	810.0	823.0	824.9	747.9
65°	627.6	622.0	627.6	650.2	652.0	663.3	684.1	708.4	736.6	732.9	622.0
67.5°	535.6	535.6	535.6	550.6	561.9	567.5	593.8	605.1	640.8	644.6	518.7
70°	451.0	449.2	451.0	462.2	469.8	483.0	507.3	520.5	548.7	558.2	421.0
72.5°	370.2	368.3	370.2	379.6	387.1	398.4	419.1	434.1	458.5	469.8	327.0
75°	298.8	295.1	298.8	306.3	304.4	319.4	336.3	351.4	374.0	381.4	242.4
77.5°	229.3	229.3	229.3	236.8	236.8	251.8	259.4	278.1	291.3	302.5	178.5
80°	171.0	169.1	171.0	172.9	172.9	180.4	193.5	206.7	218.0	218.0	122.2
82.5°	120.3	116.5	120.3	120.3	120.3	124.0	131.5	135.3	142.8	148.4	77.1
85°	75.2	75.2	75.2	77.1	75.2	78.9	80.8	84.5	84.5	80.8	47.0
87.5°	48.8	47.0	48.8	47.0	47.0	45.1	45.1	45.1	43.2	41.4	26.3
90°	33.0	33.0	33.0	33.0	33.0	44.0	58.7	66.0	56.8	38.2	24.3
92.5°	132.3	106.0	132.3	158.5	165.0	234.0	325.8	371.7	326.3	235.6	167.7
95°	460.8	381.4	460.8	540.3	560.2	735.7	969.7	1086.6	917.7	579.9	326.6
97.5°	1104.2	952.9	1104.2	1255.5	1293.3	1404.2	1552.0	1626.0	1344.4	781.2	358.7
100°	1590.9	1410.6	1590.9	1771.1	1816.3	1808.1	1797.3	1791.9	1479.4	854.4	385.6
102.5°	2069.7	1915.3	2069.7	2224.1	2262.7	2121.4	1933.0	1838.9	1521.9	888.0	412.5
105°	2680.1	2597.1	2680.1	2763.1	2783.9	2467.2	2044.8	1833.6	1526.7	912.9	452.5
107.5°	3080.0	3100.0	3080.0	3059.9	3054.8	2613.1	2024.0	1729.4	1458.8	917.6	511.6
110°	3232.4	3318.9	3232.4	3145.9	3124.3	2630.4	1971.9	1642.5	1398.6	910.6	544.6



TEST NUMBER: P934681

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3246.0	3378.8	3246.0	3113.2	3080.1	2574.6	1900.5	1563.5	1346.0	910.9	584.6
115°	3159.9	3344.1	3159.9	2975.8	2929.8	2442.8	1793.5	1468.8	1285.7	919.2	644.5
117.5°	2977.4	3181.7	2977.4	2773.2	2722.1	2282.6	1696.6	1403.6	1247.8	936.3	702.6
120°	2830.4	3028.8	2830.4	2631.9	2582.3	2180.7	1645.2	1377.6	1235.1	950.3	736.6
122.5°	2687.1	2882.9	2687.1	2491.4	2442.5	2080.9	1598.6	1357.6	1228.5	970.2	776.5
125°	2482.9	2663.1	2482.9	2302.6	2257.5	1950.3	1540.7	1335.9	1223.0	997.1	827.8
127.5°	2299.1	2451.2	2299.1	2147.0	2109.0	1845.2	1493.6	1317.7	1219.8	1024.1	877.3
130°	2190.8	2331.4	2190.8	2050.2	2015.1	1780.3	1467.2	1310.7	1221.7	1043.7	910.3
132.5°	2092.5	2218.4	2092.5	1966.7	1935.2	1725.0	1444.7	1304.6	1223.0	1059.6	937.2
135°	1957.9	2066.4	1957.9	1849.4	1822.3	1646.3	1411.6	1294.2	1221.9	1077.1	968.5
137.5°	1849.9	1938.7	1849.9	1761.2	1738.9	1590.1	1391.7	1292.5	1229.3	1103.1	1008.4
140°	1775.8	1858.8	1775.8	1692.8	1672.0	1543.5	1372.1	1286.4	1230.6	1119.0	1035.3
142.5°	1714.5	1785.8	1714.5	1643.0	1625.2	1512.2	1361.7	1286.4	1235.0	1132.4	1055.3
145°	1622.4	1676.3	1622.4	1568.4	1554.8	1462.5	1339.3	1277.7	1235.0	1149.8	1085.8
147.5°	1551.7	1596.5	1551.7	1506.9	1495.7	1423.0	1326.2	1277.7	1243.5	1175.3	1124.0
150°	1507.2	1543.5	1507.2	1470.9	1461.8	1400.4	1318.6	1277.7	1248.0	1188.5	1144.0
152.5°	1469.2	1496.5	1469.2	1441.7	1434.9	1382.5	1312.6	1277.7	1250.9	1197.2	1156.9
155°	1425.5	1443.6	1425.5	1407.4	1402.8	1361.1	1305.5	1277.7	1257.3	1216.3	1185.6
157.5°	1390.9	1403.6	1390.9	1378.1	1374.9	1342.5	1299.3	1277.7	1263.6	1235.4	1214.3
160°	1370.3	1377.6	1370.3	1363.0	1361.1	1333.3	1296.2	1277.7	1266.5	1244.2	1227.4
162.5°	1356.7	1363.7	1356.7	1349.8	1348.0	1324.6	1293.3	1277.7	1269.6	1253.3	1241.2
165°	1337.2	1344.6	1337.2	1329.9	1328.1	1311.2	1288.9	1277.7	1274.1	1266.7	1261.2
167.5°	1323.3	1326.4	1323.3	1320.1	1319.4	1308.3	1293.7	1286.4	1283.3	1277.2	1272.5
170°	1319.4	1319.4	1319.4	1319.4	1319.4	1308.3	1293.7	1286.4	1286.2	1285.8	1285.6
172.5°	1309.1	1306.4	1309.1	1311.8	1312.5	1303.8	1292.2	1286.4	1286.4	1286.4	1286.4
175°	1302.9	1302.9	1302.9	1302.9	1302.9	1297.4	1290.0	1286.4	1288.2	1291.6	1294.2
177.5°	1297.3	1294.2	1297.3	1300.4	1301.2	1296.9	1291.1	1288.2	1289.5	1292.2	1294.2
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	2014.5	2003.1	2003.1	1984.4	1976.9	1971.2	1961.9	1933.7	1926.2	1918.6	1929.9
5°	2031.4	2010.7	1995.7	1961.9	1933.7	1922.4	1886.7	1819.1	1773.9	1740.1	1721.4
7.5°	2035.1	2008.8	1980.6	1928.1	1860.3	1830.3	1721.4	1597.3	1563.4	1533.4	1514.6
10°	2031.4	2001.3	1961.9	1882.9	1723.2	1670.6	1561.6	1480.8	1460.1	1454.5	1460.1
12.5°	2018.2	1990.1	1935.5	1804.0	1580.4	1544.6	1480.8	1433.8	1430.0	1439.5	1490.2
15°	1995.7	1969.3	1905.5	1698.8	1501.5	1475.2	1430.0	1413.1	1433.8	1499.5	1651.8
17.5°	1973.2	1943.1	1864.2	1595.5	1441.3	1422.6	1390.5	1424.4	1540.9	1629.3	1680.0
20°	1943.1	1907.3	1817.2	1520.3	1398.1	1381.2	1366.2	1518.4	1606.7	1638.6	1666.8
22.5°	1907.3	1869.8	1753.3	1467.6	1353.0	1339.8	1349.3	1571.0	1606.7	1629.3	1653.6
25°	1860.3	1828.4	1678.1	1426.3	1317.3	1302.3	1338.0	1565.4	1586.0	1591.6	1640.5
27.5°	1817.2	1775.8	1599.2	1388.7	1274.1	1268.5	1347.4	1540.9	1556.0	1561.6	1614.2
30°	1764.5	1702.5	1510.8	1349.3	1229.0	1227.1	1349.3	1510.8	1507.1	1522.1	1574.7
32.5°	1710.1	1593.5	1411.3	1300.4	1185.7	1183.8	1336.1	1465.7	1462.0	1482.6	1522.1
35°	1659.3	1509.0	1275.9	1244.0	1131.3	1133.1	1304.1	1413.1	1415.0	1433.8	1458.3
37.5°	1606.7	1435.7	1127.5	1182.0	1078.7	1078.7	1260.9	1364.3	1360.6	1366.2	1400.0
40°	1544.6	1321.0	995.9	1101.2	1029.8	1024.1	1208.3	1311.6	1298.5	1296.7	1343.6
42.5°	1478.9	1195.1	898.2	994.1	973.4	965.8	1144.4	1247.7	1223.4	1229.0	1289.1
45°	1407.5	1161.3	823.0	839.9	915.1	909.5	1074.8	1174.5	1157.6	1172.6	1234.7
47.5°	1336.1	1093.7	798.7	697.1	853.1	851.2	997.8	1103.1	1093.7	1108.8	1174.5
50°	1238.4	1018.5	796.8	597.6	783.6	791.1	905.8	1033.6	1033.6	1046.7	1116.2
52.5°	1112.5	926.4	723.5	541.2	702.8	725.3	824.9	973.4	977.2	990.3	1052.3
55°	997.8	830.6	670.9	498.0	607.0	655.9	746.0	911.4	918.9	932.0	988.5
57.5°	892.6	691.5	659.6	447.2	518.7	565.6	676.5	851.2	855.0	866.3	920.8
60°	779.9	499.9	605.1	392.7	441.6	477.3	612.6	779.9	793.0	800.5	847.5
62.5°	652.0	362.7	548.7	355.2	404.0	411.5	560.0	712.2	729.1	734.8	763.0
65°	464.2	304.4	466.1	323.3	364.5	366.4	503.6	642.7	657.7	667.1	687.8
67.5°	313.8	248.1	355.2	293.2	334.5	336.3	449.2	561.9	582.5	590.1	603.2
70°	218.0	165.4	263.1	261.2	300.7	304.4	390.9	488.6	507.3	513.0	520.5
72.5°	159.7	133.4	218.0	234.9	265.0	268.7	330.7	405.9	424.7	430.3	434.1
75°	122.2	140.9	176.6	204.8	225.5	227.3	270.6	330.7	343.9	347.6	349.5
77.5°	97.7	131.5	129.6	165.4	184.2	180.4	212.4	255.5	266.8	266.8	266.8
80°	73.3	103.4	97.7	118.4	135.3	131.5	152.2	182.3	186.1	189.8	187.9
82.5°	54.5	65.8	65.8	75.2	90.2	86.5	101.4	118.4	118.4	118.4	122.2
85°	33.8	37.5	30.1	39.5	50.7	48.8	56.4	63.9	65.8	65.8	62.0
87.5°	20.6	16.9	9.4	15.0	22.5	22.5	26.3	28.2	26.3	26.3	26.3
90°	22.5	15.6	8.7	15.6	22.5	24.3	38.2	56.8	66.0	58.7	44.0
92.5°	152.9	93.8	34.7	93.8	152.9	167.7	235.6	326.3	371.7	325.8	234.0
95°	299.6	191.5	83.4	191.5	299.6	326.6	579.9	917.7	1086.6	969.7	735.7
97.5°	334.9	239.6	144.2	239.6	334.9	358.7	781.2	1344.4	1626.0	1552.0	1404.2
100°	364.1	277.6	191.1	277.6	364.1	385.6	854.4	1479.4	1791.9	1797.3	1808.1
102.5°	392.4	311.8	231.1	311.8	392.4	412.5	888.0	1521.9	1838.9	1933.0	2121.4
105°	435.4	367.2	298.8	367.2	435.4	452.5	912.9	1526.7	1833.6	2044.8	2467.2
107.5°	495.7	432.0	368.3	432.0	495.7	511.6	917.6	1458.8	1729.4	2024.0	2613.1
110°	530.2	472.7	415.2	472.7	530.2	544.6	910.6	1398.6	1642.5	1971.9	2630.4



TEST NUMBER: P934681

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	570.9	516.0	461.2	516.0	570.9	584.6	910.9	1346.0	1563.5	1900.5	2574.6
115°	631.9	581.2	530.7	581.2	631.9	644.5	919.2	1285.7	1468.8	1793.5	2442.8
117.5°	691.2	645.3	599.3	645.3	691.2	702.6	936.3	1247.8	1403.6	1696.6	2282.6
120°	725.7	682.6	639.3	682.6	725.7	736.6	950.3	1235.1	1377.6	1645.2	2180.7
122.5°	765.6	722.0	678.4	722.0	765.6	776.5	970.2	1228.5	1357.6	1598.6	2080.9
125°	817.9	778.1	738.3	778.1	817.9	827.8	997.1	1223.0	1335.9	1540.7	1950.3
127.5°	867.3	827.2	787.0	827.2	867.3	877.3	1024.1	1219.8	1317.7	1493.6	1845.2
130°	899.4	856.3	813.0	856.3	899.4	910.3	1043.7	1221.7	1310.7	1467.2	1780.3
132.5°	926.3	883.2	839.9	883.2	926.3	937.2	1059.6	1223.0	1304.6	1444.7	1725.0
135°	958.7	919.2	879.9	919.2	958.7	968.5	1077.1	1221.9	1294.2	1411.6	1646.3
137.5°	998.7	959.7	920.7	959.7	998.7	1008.4	1103.1	1229.3	1292.5	1391.7	1590.1
140°	1026.4	990.4	954.5	990.4	1026.4	1035.3	1119.0	1230.6	1286.4	1372.1	1543.5
142.5°	1047.0	1013.9	980.6	1013.9	1047.0	1055.3	1132.4	1235.0	1286.4	1361.7	1512.2
145°	1078.5	1049.5	1020.6	1049.5	1078.5	1085.8	1149.8	1235.0	1277.7	1339.3	1462.5
147.5°	1117.0	1088.8	1060.6	1088.8	1117.0	1124.0	1175.3	1243.5	1277.7	1326.2	1423.0
150°	1137.6	1112.1	1086.6	1112.1	1137.6	1144.0	1188.5	1248.0	1277.7	1318.6	1400.4
152.5°	1152.1	1132.8	1113.5	1132.8	1152.1	1156.9	1197.2	1250.9	1277.7	1312.6	1382.5
155°	1182.1	1167.8	1153.5	1167.8	1182.1	1185.6	1216.3	1257.3	1277.7	1305.5	1361.1
157.5°	1210.8	1196.9	1183.0	1196.9	1210.8	1214.3	1235.4	1263.6	1277.7	1299.3	1342.5
160°	1224.7	1213.8	1203.0	1213.8	1224.7	1227.4	1244.2	1266.5	1277.7	1296.2	1333.3
162.5°	1239.1	1231.1	1223.0	1231.1	1239.1	1241.2	1253.3	1269.6	1277.7	1293.3	1324.6
165°	1259.3	1252.0	1244.7	1252.0	1259.3	1261.2	1266.7	1274.1	1277.7	1288.9	1311.2
167.5°	1271.6	1268.1	1264.6	1268.1	1271.6	1272.5	1277.2	1283.3	1286.4	1293.7	1308.3
170°	1284.7	1281.2	1277.7	1281.2	1284.7	1285.6	1285.8	1286.2	1286.4	1293.7	1308.3
172.5°	1286.2	1285.4	1284.6	1285.4	1286.2	1286.4	1286.4	1286.4	1286.4	1292.2	1303.8
175°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1291.6	1288.2	1286.4	1290.0	1297.4
177.5°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1292.2	1289.5	1288.2	1291.1	1296.9
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



TEST NUMBER: P934681
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	1916.8	1911.2	1918.6	1898.0	1918.6	1911.2	1916.8	1929.9	1918.6	1926.2	1933.7
5°	1681.9	1672.4	1642.4	1618.0	1642.4	1672.4	1681.9	1721.4	1740.1	1773.9	1819.1
7.5°	1503.4	1495.8	1488.3	1473.3	1488.3	1495.8	1503.4	1514.6	1533.4	1563.4	1597.3
10°	1463.9	1465.7	1477.0	1475.2	1477.0	1465.7	1463.9	1460.1	1454.5	1460.1	1480.8
12.5°	1565.4	1582.3	1644.3	1640.5	1644.3	1582.3	1565.4	1490.2	1439.5	1430.0	1433.8
15°	1681.9	1687.5	1700.6	1702.5	1700.6	1687.5	1681.9	1651.8	1499.5	1433.8	1413.1
17.5°	1693.2	1695.0	1704.4	1704.4	1704.4	1695.0	1693.2	1680.0	1629.3	1540.9	1424.4
20°	1683.7	1687.5	1706.3	1710.1	1706.3	1687.5	1683.7	1666.8	1638.6	1606.7	1518.4
22.5°	1680.0	1687.5	1702.5	1700.6	1702.5	1687.5	1680.0	1653.6	1629.3	1606.7	1571.0
25°	1661.2	1661.2	1663.1	1664.9	1663.1	1661.2	1661.2	1640.5	1591.6	1586.0	1565.4
27.5°	1621.7	1625.4	1636.7	1634.9	1636.7	1625.4	1621.7	1614.2	1561.6	1556.0	1540.9
30°	1586.0	1582.3	1572.9	1565.4	1572.9	1582.3	1586.0	1574.7	1522.1	1507.1	1510.8
32.5°	1525.9	1516.4	1507.1	1501.5	1507.1	1516.4	1525.9	1522.1	1482.6	1462.0	1465.7
35°	1454.5	1456.4	1454.5	1448.8	1454.5	1456.4	1454.5	1458.3	1433.8	1415.0	1413.1
37.5°	1403.7	1407.5	1405.6	1398.1	1405.6	1407.5	1403.7	1400.0	1366.2	1360.6	1364.3
40°	1351.1	1353.0	1351.1	1345.5	1351.1	1353.0	1351.1	1343.6	1296.7	1298.5	1311.6
42.5°	1300.4	1298.5	1292.8	1289.1	1292.8	1298.5	1300.4	1289.1	1229.0	1223.4	1247.7
45°	1242.1	1244.0	1232.7	1227.1	1232.7	1244.0	1242.1	1234.7	1172.6	1157.6	1174.5
47.5°	1183.8	1183.8	1174.5	1168.8	1174.5	1183.8	1183.8	1174.5	1108.8	1093.7	1103.1
50°	1121.8	1120.0	1106.8	1104.9	1106.8	1120.0	1121.8	1116.2	1046.7	1033.6	1033.6
52.5°	1050.5	1050.5	1052.3	1056.1	1052.3	1050.5	1050.5	1052.3	990.3	977.2	973.4
55°	988.5	990.3	1003.5	1007.2	1003.5	990.3	988.5	988.5	932.0	918.9	911.4
57.5°	924.6	924.6	933.9	933.9	933.9	924.6	924.6	920.8	866.3	855.0	851.2
60°	851.2	855.0	862.5	860.7	862.5	855.0	851.2	847.5	800.5	793.0	779.9
62.5°	774.2	778.0	779.9	776.1	779.9	778.0	774.2	763.0	734.8	729.1	712.2
65°	693.4	697.1	699.0	695.3	699.0	697.1	693.4	687.8	667.1	657.7	642.7
67.5°	610.7	608.9	607.0	614.5	607.0	608.9	610.7	603.2	590.1	582.5	561.9
70°	526.1	526.1	524.3	528.1	524.3	526.1	526.1	520.5	513.0	507.3	488.6
72.5°	436.0	434.1	441.6	436.0	441.6	434.1	436.0	434.1	430.3	424.7	405.9
75°	347.6	351.4	347.6	353.2	347.6	351.4	347.6	349.5	347.6	343.9	330.7
77.5°	265.0	268.7	265.0	265.0	265.0	268.7	265.0	266.8	266.8	266.8	255.5
80°	187.9	186.1	186.1	184.2	186.1	186.1	187.9	187.9	189.8	186.1	182.3
82.5°	120.3	118.4	118.4	122.2	118.4	118.4	120.3	122.2	118.4	118.4	118.4
85°	65.8	67.6	63.9	63.9	63.9	67.6	65.8	62.0	65.8	65.8	63.9
87.5°	24.5	22.5	22.5	22.5	22.5	22.5	24.5	26.3	26.3	26.3	28.2
90°	33.0	33.0	33.0	33.0	33.0	33.0	33.0	44.0	58.7	66.0	56.8
92.5°	165.0	158.5	132.3	106.0	132.3	158.5	165.0	234.0	325.8	371.7	326.3
95°	560.2	540.3	460.8	381.4	460.8	540.3	560.2	735.7	969.7	1086.6	917.7
97.5°	1293.3	1255.5	1104.2	952.9	1104.2	1255.5	1293.3	1404.2	1552.0	1626.0	1344.4
100°	1816.3	1771.1	1590.9	1410.6	1590.9	1771.1	1816.3	1808.1	1797.3	1791.9	1479.4
102.5°	2262.7	2224.1	2069.7	1915.3	2069.7	2224.1	2262.7	2121.4	1933.0	1838.9	1521.9
105°	2783.9	2763.1	2680.1	2597.1	2680.1	2763.1	2783.9	2467.2	2044.8	1833.6	1526.7
107.5°	3054.8	3059.9	3080.0	3100.0	3080.0	3059.9	3054.8	2613.1	2024.0	1729.4	1458.8
110°	3124.3	3145.9	3232.4	3318.9	3232.4	3145.9	3124.3	2630.4	1971.9	1642.5	1398.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3080.1	3113.2	3246.0	3378.8	3246.0	3113.2	3080.1	2574.6	1900.5	1563.5	1346.0
115°	2929.8	2975.8	3159.9	3344.1	3159.9	2975.8	2929.8	2442.8	1793.5	1468.8	1285.7
117.5°	2722.1	2773.2	2977.4	3181.7	2977.4	2773.2	2722.1	2282.6	1696.6	1403.6	1247.8
120°	2582.3	2631.9	2830.4	3028.8	2830.4	2631.9	2582.3	2180.7	1645.2	1377.6	1235.1
122.5°	2442.5	2491.4	2687.1	2882.9	2687.1	2491.4	2442.5	2080.9	1598.6	1357.6	1228.5
125°	2257.5	2302.6	2482.9	2663.1	2482.9	2302.6	2257.5	1950.3	1540.7	1335.9	1223.0
127.5°	2109.0	2147.0	2299.1	2451.2	2299.1	2147.0	2109.0	1845.2	1493.6	1317.7	1219.8
130°	2015.1	2050.2	2190.8	2331.4	2190.8	2050.2	2015.1	1780.3	1467.2	1310.7	1221.7
132.5°	1935.2	1966.7	2092.5	2218.4	2092.5	1966.7	1935.2	1725.0	1444.7	1304.6	1223.0
135°	1822.3	1849.4	1957.9	2066.4	1957.9	1849.4	1822.3	1646.3	1411.6	1294.2	1221.9
137.5°	1738.9	1761.2	1849.9	1938.7	1849.9	1761.2	1738.9	1590.1	1391.7	1292.5	1229.3
140°	1672.0	1692.8	1775.8	1858.8	1775.8	1692.8	1672.0	1543.5	1372.1	1286.4	1230.6
142.5°	1625.2	1643.0	1714.5	1785.8	1714.5	1643.0	1625.2	1512.2	1361.7	1286.4	1235.0
145°	1554.8	1568.4	1622.4	1676.3	1622.4	1568.4	1554.8	1462.5	1339.3	1277.7	1235.0
147.5°	1495.7	1506.9	1551.7	1596.5	1551.7	1506.9	1495.7	1423.0	1326.2	1277.7	1243.5
150°	1461.8	1470.9	1507.2	1543.5	1507.2	1470.9	1461.8	1400.4	1318.6	1277.7	1248.0
152.5°	1434.9	1441.7	1469.2	1496.5	1469.2	1441.7	1434.9	1382.5	1312.6	1277.7	1250.9
155°	1402.8	1407.4	1425.5	1443.6	1425.5	1407.4	1402.8	1361.1	1305.5	1277.7	1257.3
157.5°	1374.9	1378.1	1390.9	1403.6	1390.9	1378.1	1374.9	1342.5	1299.3	1277.7	1263.6
160°	1361.1	1363.0	1370.3	1377.6	1370.3	1363.0	1361.1	1333.3	1296.2	1277.7	1266.5
162.5°	1348.0	1349.8	1356.7	1363.7	1356.7	1349.8	1348.0	1324.6	1293.3	1277.7	1269.6
165°	1328.1	1329.9	1337.2	1344.6	1337.2	1329.9	1328.1	1311.2	1288.9	1277.7	1274.1
167.5°	1319.4	1320.1	1323.3	1326.4	1323.3	1320.1	1319.4	1308.3	1293.7	1286.4	1283.3
170°	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1308.3	1293.7	1286.4	1286.2
172.5°	1312.5	1311.8	1309.1	1306.4	1309.1	1311.8	1312.5	1303.8	1292.2	1286.4	1286.4
175°	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1297.4	1290.0	1286.4	1288.2
177.5°	1301.2	1300.4	1297.3	1294.2	1297.3	1300.4	1301.2	1296.9	1291.1	1288.2	1289.5
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



TEST NUMBER: P934681

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	1961.9	1971.2	1976.9	1984.4	2003.1
5°	1886.7	1922.4	1933.7	1961.9	1995.7
7.5°	1721.4	1830.3	1860.3	1928.1	1980.6
10°	1561.6	1670.6	1723.2	1882.9	1961.9
12.5°	1480.8	1544.6	1580.4	1804.0	1935.5
15°	1430.0	1475.2	1501.5	1698.8	1905.5
17.5°	1390.5	1422.6	1441.3	1595.5	1864.2
20°	1366.2	1381.2	1398.1	1520.3	1817.2
22.5°	1349.3	1339.8	1353.0	1467.6	1753.3
25°	1338.0	1302.3	1317.3	1426.3	1678.1
27.5°	1347.4	1268.5	1274.1	1388.7	1599.2
30°	1349.3	1227.1	1229.0	1349.3	1510.8
32.5°	1336.1	1183.8	1185.7	1300.4	1411.3
35°	1304.1	1133.1	1131.3	1244.0	1275.9
37.5°	1260.9	1078.7	1078.7	1182.0	1127.5
40°	1208.3	1024.1	1029.8	1101.2	995.9
42.5°	1144.4	965.8	973.4	994.1	898.2
45°	1074.8	909.5	915.1	839.9	823.0
47.5°	997.8	851.2	853.1	697.1	798.7
50°	905.8	791.1	783.6	597.6	796.8
52.5°	824.9	725.3	702.8	541.2	723.5
55°	746.0	655.9	607.0	498.0	670.9
57.5°	676.5	565.6	518.7	447.2	659.6
60°	612.6	477.3	441.6	392.7	605.1
62.5°	560.0	411.5	404.0	355.2	548.7
65°	503.6	366.4	364.5	323.3	466.1
67.5°	449.2	336.3	334.5	293.2	355.2
70°	390.9	304.4	300.7	261.2	263.1
72.5°	330.7	268.7	265.0	234.9	218.0
75°	270.6	227.3	225.5	204.8	176.6
77.5°	212.4	180.4	184.2	165.4	129.6
80°	152.2	131.5	135.3	118.4	97.7
82.5°	101.4	86.5	90.2	75.2	65.8
85°	56.4	48.8	50.7	39.5	30.1
87.5°	26.3	22.5	22.5	15.0	9.4
90°	38.2	24.3	22.5	15.6	8.7
92.5°	235.6	167.7	152.9	93.8	34.7
95°	579.9	326.6	299.6	191.5	83.4
97.5°	781.2	358.7	334.9	239.6	144.2
100°	854.4	385.6	364.1	277.6	191.1
102.5°	888.0	412.5	392.4	311.8	231.1
105°	912.9	452.5	435.4	367.2	298.8
107.5°	917.6	511.6	495.7	432.0	368.3
110°	910.6	544.6	530.2	472.7	415.2



TEST NUMBER: P934681

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	910.9	584.6	570.9	516.0	461.2
115°	919.2	644.5	631.9	581.2	530.7
117.5°	936.3	702.6	691.2	645.3	599.3
120°	950.3	736.6	725.7	682.6	639.3
122.5°	970.2	776.5	765.6	722.0	678.4
125°	997.1	827.8	817.9	778.1	738.3
127.5°	1024.1	877.3	867.3	827.2	787.0
130°	1043.7	910.3	899.4	856.3	813.0
132.5°	1059.6	937.2	926.3	883.2	839.9
135°	1077.1	968.5	958.7	919.2	879.9
137.5°	1103.1	1008.4	998.7	959.7	920.7
140°	1119.0	1035.3	1026.4	990.4	954.5
142.5°	1132.4	1055.3	1047.0	1013.9	980.6
145°	1149.8	1085.8	1078.5	1049.5	1020.6
147.5°	1175.3	1124.0	1117.0	1088.8	1060.6
150°	1188.5	1144.0	1137.6	1112.1	1086.6
152.5°	1197.2	1156.9	1152.1	1132.8	1113.5
155°	1216.3	1185.6	1182.1	1167.8	1153.5
157.5°	1235.4	1214.3	1210.8	1196.9	1183.0
160°	1244.2	1227.4	1224.7	1213.8	1203.0
162.5°	1253.3	1241.2	1239.1	1231.1	1223.0
165°	1266.7	1261.2	1259.3	1252.0	1244.7
167.5°	1277.2	1272.5	1271.6	1268.1	1264.6
170°	1285.8	1285.6	1284.7	1281.2	1277.7
172.5°	1286.4	1286.4	1286.2	1285.4	1284.6
175°	1291.6	1294.2	1294.2	1294.2	1294.2
177.5°	1292.2	1294.2	1294.2	1294.2	1294.2
180°	1294.2	1294.2	1294.2	1294.2	1294.2



TEST NUMBER: P934681
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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	9.90	10.67	10.96	11.72	13.16	12.75	13.52	13.81	14.58	16.01
	3H	10.37	11.06	11.44	12.12	13.57	14.10	14.78	15.16	15.85	17.30
	4H	10.56	11.21	11.63	12.28	13.73	14.54	15.19	15.62	16.26	17.72
	6H	10.67	11.27	11.76	12.34	13.81	14.83	15.42	15.91	16.50	17.97
	8H	10.67	11.24	11.76	12.33	13.79	14.90	15.47	15.99	16.56	18.02
	12H	10.64	11.18	11.73	12.26	13.75	14.94	15.48	16.03	16.56	18.05
4H	2H	10.93	11.58	12.01	12.64	14.10	13.15	13.80	14.23	14.87	16.32
	3H	11.95	12.49	13.04	13.58	15.05	14.65	15.19	15.74	16.29	17.76
	4H	12.22	12.71	13.31	13.80	15.29	15.18	15.68	16.28	16.76	18.25
	6H	12.34	12.76	13.44	13.87	15.36	15.55	15.97	16.65	17.08	18.57
	8H	12.34	12.74	13.44	13.84	15.34	15.65	16.05	16.76	17.15	18.65
	12H	12.30	12.66	13.42	13.78	15.28	15.71	16.07	16.83	17.18	18.69
8H	4H	12.67	13.06	13.77	14.17	15.67	15.30	15.69	16.40	16.80	18.30
	6H	12.92	13.25	14.05	14.40	15.89	15.74	16.06	16.86	17.21	18.70
	8H	12.97	13.25	14.10	14.38	15.90	15.89	16.18	17.02	17.30	18.82
	12H	12.95	13.20	14.08	14.32	15.87	15.99	16.24	17.12	17.36	18.92
12H	4H	12.67	13.03	13.79	14.14	15.65	15.26	15.62	16.38	16.73	18.24
	6H	12.99	13.27	14.12	14.40	15.91	15.73	16.02	16.86	17.14	18.66
	8H	13.05	13.30	14.18	14.42	15.98	15.89	16.14	17.03	17.26	18.82