

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: P934277

Luminaire Tested: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934277
REPORT IS A COMBINATION OF REPORTS P933689 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

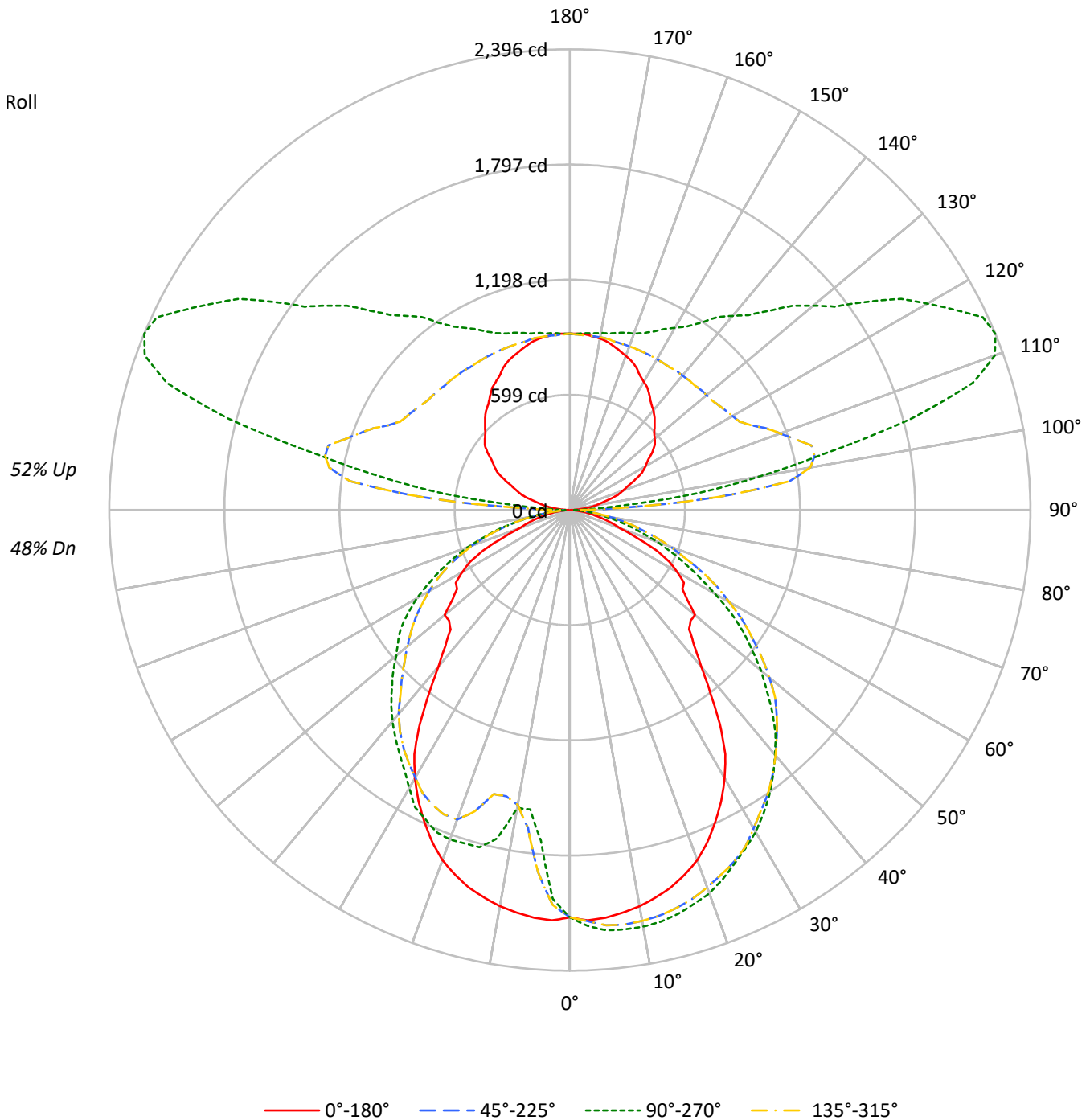
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11444.0 lumens
Efficiency: N/A
Efficacy: 134.3 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: General Diffuse

Input Watts (W): 85.2
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





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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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	89	86	83	80	72	70	68	60	58	56	48	47	46	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29
4	74	63	55	49	68	58	52	46	50	44	40	41	37	34	33	31	28	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13
10	47	34	27	22	43	32	26	21	28	22	19	23	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6551	6551	6551	6551
5°	6603	6614	6603	5200
10°	6561	6515	6561	4658
15°	6492	6374	6492	5322
20°	6359	6206	6359	5333
25°	6084	5962	6084	5220
30°	5727	5760	5727	4972
35°	5108	5504	5108	4699
40°	4258	5202	4258	4493
45°	3808	4849	3808	4256
50°	4049	4428	4049	4019
55°	3813	3975	3813	3881
60°	3935	3376	3935	3555
65°	3574	2791	3574	3119
70°	2481	2224	2481	2615
75°	2182	1644	2182	1969
80°	1772	1087	1772	1184
85°	1040	576	1040	489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5832 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	1.7
10°-20°	542.9	4.7
20°-30°	839.2	7.3
30°-40°	1001.8	8.8
40°-50°	1007.7	8.8
50°-60°	876.8	7.7
60°-70°	621.7	5.4
70°-80°	328.9	2.9
80°-90°	85.4	0.7
90°-100°	447.3	3.9
100°-110°	1176.0	10.3
110°-120°	1219.3	10.7
120°-130°	978.1	8.5
130°-140°	767.4	6.7
140°-150°	589.0	5.1
150°-160°	424.2	3.7
160°-170°	259.6	2.3
170°-180°	87.7	0.8
0°-30°	1573.2	13.7
0°-40°	2575.0	22.5
0°-60°	4459.5	39.0
0°-90°	5495.5	48.0
90°-120°	2842.6	24.8
90°-150°	5177.1	45.2
90°-180°	5949.0	52.0
0°-180°	11444.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2118	2118	2118	2118	2118	
5°	2128	2194	2128	1725	2128	202
15°	2032	2174	2032	1816	2032	572
25°	1790	2028	1790	1776	1790	822
35°	1361	1810	1361	1545	1361	842
45°	878	1491	878	1308	878	703
55°	715	1100	715	1074	715	657
65°	497	663	497	741	497	475
75°	188	315	188	377	188	198
85°	32	80	32	68	32	43
90°	6	23	6	23	6	6
95°	59	270	59	270	59	66
105°	212	1841	212	1841	212	225
115°	376	2371	376	2371	376	372
125°	524	1888	524	1888	524	465
135°	624	1465	624	1465	624	483
145°	724	1189	724	1189	724	453
155°	818	1024	818	1024	818	376
165°	883	953	883	953	883	249
175°	918	924	918	924	918	87
180°	918	918	918	918	918	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2136.1	2136.1	2148.2	2152.2	2152.2	2146.2	2140.2	2146.2	2164.2	2170.2	2168.2
5°	2128.2	2144.2	2166.2	2170.2	2174.3	2172.3	2168.2	2172.3	2192.3	2196.3	2198.3
7.5°	2112.1	2142.2	2170.2	2176.3	2182.2	2176.3	2174.3	2178.3	2198.3	2202.3	2202.3
10°	2092.1	2134.1	2166.2	2170.2	2176.3	2170.2	2170.2	2178.3	2198.3	2202.3	2204.3
12.5°	2064.0	2122.2	2152.2	2156.2	2164.2	2162.2	2160.2	2168.2	2188.3	2192.3	2192.3
15°	2031.9	2100.1	2128.2	2132.1	2146.2	2142.2	2142.2	2150.2	2172.3	2178.3	2176.3
17.5°	1987.9	2072.1	2104.1	2110.1	2120.2	2118.1	2120.2	2128.2	2148.2	2152.2	2154.2
20°	1937.8	2033.9	2072.1	2078.1	2088.1	2088.1	2088.1	2098.1	2118.1	2126.2	2126.2
22.5°	1869.7	1993.9	2033.9	2038.0	2050.0	2050.0	2054.1	2068.0	2086.0	2088.1	2088.1
25°	1789.5	1949.8	1983.8	1995.9	2007.9	2013.9	2020.0	2028.0	2033.9	2031.9	2033.9
27.5°	1705.4	1893.7	1937.8	1945.8	1961.8	1967.8	1975.9	1977.9	1979.8	1985.8	1981.8
30°	1611.1	1815.5	1881.6	1889.7	1915.7	1919.8	1911.7	1915.7	1925.8	1929.8	1933.7
32.5°	1505.0	1699.3	1823.6	1841.6	1865.6	1853.7	1851.6	1857.6	1873.7	1873.7	1877.7
35°	1360.6	1609.1	1769.5	1785.5	1803.6	1789.5	1797.5	1799.5	1809.5	1815.5	1813.5
37.5°	1202.4	1531.0	1713.3	1725.4	1739.4	1721.4	1733.3	1739.4	1747.4	1743.4	1743.4
40°	1062.0	1408.7	1647.2	1655.3	1667.2	1653.3	1665.2	1669.3	1673.3	1669.3	1667.2
42.5°	957.9	1274.5	1577.1	1587.1	1579.1	1589.1	1593.1	1601.2	1595.1	1587.1	1587.1
45°	877.7	1238.4	1501.0	1512.9	1501.0	1517.0	1523.0	1523.0	1505.0	1501.0	1498.9
47.5°	851.7	1166.3	1424.8	1424.8	1418.8	1438.8	1448.8	1434.8	1416.8	1410.7	1410.7
50°	849.7	1086.1	1320.6	1312.5	1340.6	1364.6	1354.7	1340.6	1326.6	1304.6	1304.6
52.5°	771.5	987.9	1186.3	1216.4	1260.4	1274.5	1258.4	1244.4	1220.4	1210.3	1202.4
55°	715.4	885.7	1064.0	1124.2	1170.3	1188.3	1158.2	1144.2	1108.1	1102.2	1098.2
57.5°	703.4	737.4	951.9	1028.0	1084.1	1082.2	1064.0	1038.0	1008.0	1002.0	1000.0
60°	645.3	533.1	831.7	921.8	979.9	973.9	957.9	933.8	905.8	901.8	897.8
62.5°	585.2	386.7	695.3	797.6	879.7	877.7	863.7	827.6	807.6	797.6	789.5
65°	497.0	324.6	495.0	663.3	781.6	785.5	755.5	729.5	707.4	695.3	693.3
67.5°	378.8	264.5	334.7	553.1	687.3	683.4	645.3	633.3	605.2	599.2	587.1
70°	280.6	176.4	232.5	448.9	595.2	585.2	555.1	541.0	515.0	501.0	492.9
72.5°	232.5	142.2	170.3	348.7	501.0	488.9	462.9	446.9	424.8	412.8	404.8
75°	188.3	150.3	130.3	258.5	406.8	398.8	374.7	358.7	340.6	324.6	326.6
77.5°	138.2	140.2	104.2	190.3	322.6	310.7	296.6	276.6	268.5	252.5	252.5
80°	104.2	110.3	78.2	130.3	232.5	232.5	220.4	206.4	192.3	184.4	184.4
82.5°	70.1	70.1	58.1	82.2	158.3	152.3	144.3	140.2	132.3	128.3	128.3
85°	32.1	40.0	36.1	50.1	86.2	90.1	90.1	86.2	84.2	80.2	82.2
87.5°	10.1	18.0	22.0	28.1	44.1	46.1	48.1	48.1	48.1	50.1	50.1
90°	6.2	11.1	16.0	17.2	27.1	40.2	46.8	41.6	31.2	23.4	23.4
92.5°	24.6	66.4	108.4	118.8	167.0	231.4	263.5	231.0	165.8	117.0	112.3
95°	59.2	135.8	212.4	231.6	411.1	650.7	770.4	687.4	521.6	397.2	383.1
97.5°	102.2	169.8	237.4	254.4	553.9	953.2	1152.9	1100.5	995.6	917.0	890.2
100°	135.5	196.8	258.1	273.4	605.8	1048.9	1270.5	1274.3	1282.0	1287.7	1255.8
102.5°	163.8	221.0	278.2	292.5	629.6	1079.1	1303.8	1370.5	1504.1	1604.3	1576.9
105°	211.8	260.3	308.7	320.8	647.2	1082.5	1300.1	1449.8	1749.2	1973.8	1959.0
107.5°	261.2	306.3	351.5	362.7	650.6	1034.3	1226.2	1435.0	1852.8	2166.0	2169.6
110°	294.4	335.2	376.0	386.1	645.6	991.6	1164.6	1398.1	1865.0	2215.2	2230.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	327.0	365.8	404.7	414.4	645.8	954.3	1108.5	1347.5	1825.4	2183.8	2207.3
115°	376.3	412.1	448.0	457.0	651.8	911.5	1041.4	1271.6	1731.9	2077.3	2109.9
117.5°	424.9	457.5	490.0	498.2	663.8	884.7	995.2	1203.0	1618.4	1930.0	1966.2
120°	453.3	484.0	514.5	522.2	673.7	875.8	976.8	1166.6	1546.2	1830.9	1866.1
122.5°	481.0	511.9	542.8	550.6	687.9	871.0	962.5	1133.4	1475.4	1731.7	1766.4
125°	523.5	551.7	579.9	586.9	707.1	867.1	947.2	1092.4	1382.7	1600.6	1632.5
127.5°	558.0	586.4	614.9	622.0	726.1	864.8	934.2	1058.9	1308.2	1495.3	1522.3
130°	576.5	607.2	637.7	645.4	740.0	866.2	929.4	1040.3	1262.3	1428.8	1453.7
132.5°	595.5	626.2	656.9	664.5	751.4	867.1	925.0	1024.4	1223.1	1372.1	1394.4
135°	623.9	651.8	679.7	686.6	763.6	866.3	917.6	1000.9	1167.3	1292.1	1311.3
137.5°	652.8	680.5	708.2	715.0	782.2	871.7	916.4	986.7	1127.5	1232.9	1248.7
140°	676.8	702.3	727.7	734.1	793.4	872.5	912.0	972.8	1094.4	1185.5	1200.3
142.5°	695.3	718.8	742.4	748.3	802.9	875.7	912.0	965.4	1072.2	1152.3	1164.9
145°	723.6	744.1	764.6	769.8	815.2	875.7	906.0	949.6	1036.9	1102.4	1111.9
147.5°	752.0	771.9	791.9	796.9	833.3	881.8	906.0	940.3	1009.0	1060.5	1068.5
150°	770.4	788.4	806.6	811.0	842.7	884.8	906.0	934.9	992.9	1036.4	1042.9
152.5°	789.5	803.2	816.9	820.3	848.9	886.9	906.0	930.8	980.3	1017.4	1022.3
155°	817.8	828.0	838.1	840.6	862.4	891.4	906.0	925.7	965.0	994.6	997.8
157.5°	838.8	848.7	858.5	860.9	876.0	896.0	906.0	921.3	951.9	974.9	977.2
160°	853.0	860.6	868.3	870.2	882.2	898.0	906.0	919.1	945.3	965.0	966.3
162.5°	867.1	872.9	878.7	880.1	888.7	900.2	906.0	917.0	939.1	955.8	957.0
165°	882.6	887.7	892.9	894.2	898.1	903.4	906.0	913.9	929.8	941.6	942.9
167.5°	896.7	899.1	901.6	902.2	905.5	909.8	912.0	917.2	927.7	935.4	936.0
170°	906.0	908.4	910.8	911.4	911.6	911.9	912.0	917.2	927.7	935.4	935.4
172.5°	910.8	911.3	911.9	912.0	912.0	912.0	912.0	916.1	924.4	930.6	930.1
175°	917.6	917.6	917.6	917.6	915.7	913.2	912.0	914.6	919.9	923.8	923.8
177.5°	917.6	917.6	917.6	917.6	916.2	914.3	913.3	915.4	919.5	922.6	922.0
180°	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2172.3	2166.2	2172.3	2168.2	2170.2	2164.2	2146.2	2140.2	2146.2	2152.2	2152.2
5°	2198.3	2194.3	2198.3	2198.3	2196.3	2192.3	2172.3	2168.2	2172.3	2174.3	2170.2
7.5°	2206.3	2200.3	2206.3	2202.3	2202.3	2198.3	2178.3	2174.3	2176.3	2182.2	2176.3
10°	2206.3	2200.3	2206.3	2204.3	2202.3	2198.3	2178.3	2170.2	2170.2	2176.3	2170.2
12.5°	2196.3	2192.3	2196.3	2192.3	2192.3	2188.3	2168.2	2160.2	2162.2	2164.2	2156.2
15°	2180.2	2174.3	2180.2	2176.3	2178.3	2172.3	2150.2	2142.2	2142.2	2146.2	2132.1
17.5°	2156.2	2148.2	2156.2	2154.2	2152.2	2148.2	2128.2	2120.2	2118.1	2120.2	2110.1
20°	2128.2	2122.2	2128.2	2126.2	2126.2	2118.1	2098.1	2088.1	2088.1	2088.1	2078.1
22.5°	2084.0	2078.1	2084.0	2088.1	2088.1	2086.0	2068.0	2054.1	2050.0	2050.0	2038.0
25°	2033.9	2028.0	2033.9	2033.9	2031.9	2033.9	2028.0	2020.0	2013.9	2007.9	1995.9
27.5°	1985.8	1981.8	1985.8	1981.8	1985.8	1979.8	1977.9	1975.9	1967.8	1961.8	1945.8
30°	1937.8	1933.7	1937.8	1933.7	1929.8	1925.8	1915.7	1911.7	1919.8	1915.7	1889.7
32.5°	1877.7	1873.7	1877.7	1877.7	1873.7	1873.7	1857.6	1851.6	1853.7	1865.6	1841.6
35°	1815.5	1809.5	1815.5	1813.5	1815.5	1809.5	1799.5	1797.5	1789.5	1803.6	1785.5
37.5°	1743.4	1737.4	1743.4	1743.4	1743.4	1747.4	1739.4	1733.3	1721.4	1739.4	1725.4
40°	1669.3	1661.2	1669.3	1667.2	1669.3	1673.3	1669.3	1665.2	1653.3	1667.2	1655.3
42.5°	1585.1	1583.0	1585.1	1587.1	1587.1	1595.1	1601.2	1593.1	1589.1	1579.1	1587.1
45°	1494.9	1490.9	1494.9	1498.9	1501.0	1505.0	1523.0	1523.0	1517.0	1501.0	1512.9
47.5°	1398.7	1388.7	1398.7	1410.7	1410.7	1416.8	1434.8	1448.8	1438.8	1418.8	1424.8
50°	1296.5	1298.5	1296.5	1304.6	1304.6	1326.6	1340.6	1354.7	1364.6	1340.6	1312.5
52.5°	1196.3	1194.3	1196.3	1202.4	1210.3	1220.4	1244.4	1258.4	1274.5	1260.4	1216.4
55°	1096.1	1100.2	1096.1	1098.2	1102.2	1108.1	1144.2	1158.2	1188.3	1170.3	1124.2
57.5°	995.9	989.9	995.9	1000.0	1002.0	1008.0	1038.0	1064.0	1082.2	1084.1	1028.0
60°	879.7	871.7	879.7	897.8	901.8	905.8	933.8	957.9	973.9	979.9	921.8
62.5°	777.5	763.5	777.5	789.5	797.6	807.6	827.6	863.7	877.7	879.7	797.6
65°	669.3	663.3	669.3	693.3	695.3	707.4	729.5	755.5	785.5	781.6	663.3
67.5°	571.1	571.1	571.1	587.1	599.2	605.2	633.3	645.3	683.4	687.3	553.1
70°	481.0	479.0	481.0	492.9	501.0	515.0	541.0	555.1	585.2	595.2	448.9
72.5°	394.8	392.7	394.8	404.8	412.8	424.8	446.9	462.9	488.9	501.0	348.7
75°	318.6	314.6	318.6	326.6	324.6	340.6	358.7	374.7	398.8	406.8	258.5
77.5°	244.5	244.5	244.5	252.5	252.5	268.5	276.6	296.6	310.7	322.6	190.3
80°	182.4	180.4	182.4	184.4	184.4	192.3	206.4	220.4	232.5	232.5	130.3
82.5°	128.3	124.2	128.3	128.3	128.3	132.3	140.2	144.3	152.3	158.3	82.2
85°	80.2	80.2	80.2	82.2	80.2	84.2	86.2	90.1	90.1	86.2	50.1
87.5°	52.1	50.1	52.1	50.1	50.1	48.1	48.1	48.1	46.1	44.1	28.1
90°	23.4	23.4	23.4	23.4	23.4	31.2	41.6	46.8	40.2	27.1	17.2
92.5°	93.7	75.1	93.7	112.3	117.0	165.8	231.0	263.5	231.4	167.0	118.8
95°	326.7	270.3	326.7	383.1	397.2	521.6	687.4	770.4	650.7	411.1	231.6
97.5°	782.9	675.6	782.9	890.2	917.0	995.6	1100.5	1152.9	953.2	553.9	254.4
100°	1128.0	1000.2	1128.0	1255.8	1287.7	1282.0	1274.3	1270.5	1048.9	605.8	273.4
102.5°	1467.4	1357.9	1467.4	1576.9	1604.3	1504.1	1370.5	1303.8	1079.1	629.6	292.5
105°	1900.3	1841.4	1900.3	1959.0	1973.8	1749.2	1449.8	1300.1	1082.5	647.2	320.8
107.5°	2183.7	2198.0	2183.7	2169.6	2166.0	1852.8	1435.0	1226.2	1034.3	650.6	362.7
110°	2291.8	2353.1	2291.8	2230.5	2215.2	1865.0	1398.1	1164.6	991.6	645.6	386.1



TEST NUMBER: P934277

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2301.6	2395.7	2301.6	2207.3	2183.8	1825.4	1347.5	1108.5	954.3	645.8	414.4
115°	2240.5	2371.1	2240.5	2109.9	2077.3	1731.9	1271.6	1041.4	911.5	651.8	457.0
117.5°	2111.0	2255.8	2111.0	1966.2	1930.0	1618.4	1203.0	995.2	884.7	663.8	498.2
120°	2006.8	2147.5	2006.8	1866.1	1830.9	1546.2	1166.6	976.8	875.8	673.7	522.2
122.5°	1905.2	2044.0	1905.2	1766.4	1731.7	1475.4	1133.4	962.5	871.0	687.9	550.6
125°	1760.3	1888.2	1760.3	1632.5	1600.6	1382.7	1092.4	947.2	867.1	707.1	586.9
127.5°	1630.1	1737.9	1630.1	1522.3	1495.3	1308.2	1058.9	934.2	864.8	726.1	622.0
130°	1553.4	1653.0	1553.4	1453.7	1428.8	1262.3	1040.3	929.4	866.2	740.0	645.4
132.5°	1483.6	1572.9	1483.6	1394.4	1372.1	1223.1	1024.4	925.0	867.1	751.4	664.5
135°	1388.2	1465.1	1388.2	1311.3	1292.1	1167.3	1000.9	917.6	866.3	763.6	686.6
137.5°	1311.6	1374.6	1311.6	1248.7	1232.9	1127.5	986.7	916.4	871.7	782.2	715.0
140°	1259.0	1317.9	1259.0	1200.3	1185.5	1094.4	972.8	912.0	872.5	793.4	734.1
142.5°	1215.6	1266.2	1215.6	1164.9	1152.3	1072.2	965.4	912.0	875.7	802.9	748.3
145°	1150.3	1188.6	1150.3	1111.9	1102.4	1036.9	949.6	906.0	875.7	815.2	769.8
147.5°	1100.2	1132.0	1100.2	1068.5	1060.5	1009.0	940.3	906.0	881.8	833.3	796.9
150°	1068.6	1094.4	1068.6	1042.9	1036.4	992.9	934.9	906.0	884.8	842.7	811.0
152.5°	1041.7	1061.1	1041.7	1022.3	1017.4	980.3	930.8	906.0	886.9	848.9	820.3
155°	1010.7	1023.6	1010.7	997.8	994.6	965.0	925.7	906.0	891.4	862.4	840.6
157.5°	986.1	995.2	986.1	977.2	974.9	951.9	921.3	906.0	896.0	876.0	860.9
160°	971.6	976.8	971.6	966.3	965.0	945.3	919.1	906.0	898.0	882.2	870.2
162.5°	961.9	966.9	961.9	957.0	955.8	939.1	917.0	906.0	900.2	888.7	880.1
165°	948.2	953.4	948.2	942.9	941.6	929.8	913.9	906.0	903.4	898.1	894.2
167.5°	938.2	940.4	938.2	936.0	935.4	927.7	917.2	912.0	909.8	905.5	902.2
170°	935.4	935.4	935.4	935.4	935.4	927.7	917.2	912.0	911.9	911.6	911.4
172.5°	928.2	926.3	928.2	930.1	930.6	924.4	916.1	912.0	912.0	912.0	912.0
175°	923.8	923.8	923.8	923.8	923.8	919.9	914.6	912.0	913.2	915.7	917.6
177.5°	919.8	917.6	919.8	922.0	922.6	919.5	915.4	913.3	914.3	916.2	917.6
180°	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6



TEST NUMBER: P934277

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2148.2	2136.1	2136.1	2116.1	2108.1	2102.1	2092.1	2062.0	2054.1	2046.0	2058.0
5°	2166.2	2144.2	2128.2	2092.1	2062.0	2050.0	2011.9	1939.8	1891.7	1855.6	1835.6
7.5°	2170.2	2142.2	2112.1	2056.0	1983.8	1951.8	1835.6	1703.4	1667.2	1635.2	1615.1
10°	2166.2	2134.1	2092.1	2007.9	1837.6	1781.4	1665.2	1579.1	1557.0	1551.1	1557.0
12.5°	2152.2	2122.2	2064.0	1923.8	1685.3	1647.2	1579.1	1529.0	1525.0	1535.0	1589.1
15°	2128.2	2100.1	2031.9	1811.5	1601.2	1573.1	1525.0	1506.9	1529.0	1599.1	1761.4
17.5°	2104.1	2072.1	1987.9	1701.4	1537.0	1517.0	1482.8	1519.0	1643.2	1737.4	1791.5
20°	2072.1	2033.9	1937.8	1621.2	1490.9	1472.9	1456.8	1619.2	1713.3	1747.4	1777.5
22.5°	2033.9	1993.9	1869.7	1565.0	1442.8	1428.8	1438.8	1675.3	1713.3	1737.4	1763.4
25°	1983.8	1949.8	1789.5	1521.0	1404.8	1388.7	1426.8	1669.3	1691.3	1697.3	1749.4
27.5°	1937.8	1893.7	1705.4	1480.9	1358.6	1352.7	1436.8	1643.2	1659.2	1665.2	1721.4
30°	1881.6	1815.5	1611.1	1438.8	1310.5	1308.5	1438.8	1611.1	1607.1	1623.2	1679.3
32.5°	1823.6	1699.3	1505.0	1386.7	1264.4	1262.4	1424.8	1563.0	1559.0	1581.1	1623.2
35°	1769.5	1609.1	1360.6	1326.6	1206.4	1208.3	1390.7	1506.9	1508.9	1529.0	1555.1
37.5°	1713.3	1531.0	1202.4	1260.4	1150.3	1150.3	1344.6	1454.9	1450.9	1456.8	1492.9
40°	1647.2	1408.7	1062.0	1174.3	1098.2	1092.1	1288.5	1398.7	1384.7	1382.7	1432.7
42.5°	1577.1	1274.5	957.9	1060.0	1038.0	1030.0	1220.4	1330.6	1304.6	1310.5	1374.7
45°	1501.0	1238.4	877.7	895.7	975.9	969.9	1146.2	1252.5	1234.4	1250.5	1316.6
47.5°	1424.8	1166.3	851.7	743.4	909.7	907.8	1064.0	1176.3	1166.3	1182.4	1252.5
50°	1320.6	1086.1	849.7	637.2	835.6	843.6	965.9	1102.2	1102.2	1116.2	1190.3
52.5°	1186.3	987.9	771.5	577.1	749.5	773.5	879.7	1038.0	1042.0	1056.1	1122.2
55°	1064.0	885.7	715.4	531.1	647.3	699.4	795.5	971.9	979.9	993.9	1054.1
57.5°	951.9	737.4	703.4	476.9	553.1	603.2	721.4	907.8	911.7	923.8	982.0
60°	831.7	533.1	645.3	418.8	470.9	509.0	653.3	831.7	845.6	853.7	903.8
62.5°	695.3	386.7	585.2	378.8	430.9	438.8	597.2	759.4	777.5	783.6	813.6
65°	495.0	324.6	497.0	344.7	388.7	390.7	537.0	685.3	701.4	711.3	733.5
67.5°	334.7	264.5	378.8	312.6	356.7	358.7	479.0	599.2	621.2	629.3	643.2
70°	232.5	176.4	280.6	278.6	320.6	324.6	416.8	521.0	541.0	547.1	555.1
72.5°	170.3	142.2	232.5	250.5	282.6	286.5	352.7	432.9	452.9	458.9	462.9
75°	130.3	150.3	188.3	218.4	240.4	242.4	288.5	352.7	366.7	370.7	372.7
77.5°	104.2	140.2	138.2	176.4	196.4	192.3	226.5	272.5	284.6	284.6	284.6
80°	78.2	110.3	104.2	126.3	144.3	140.2	162.3	194.4	198.4	202.4	200.4
82.5°	58.1	70.1	70.1	80.2	96.2	92.2	108.2	126.3	126.3	126.3	130.3
85°	36.1	40.0	32.1	42.1	54.1	52.1	60.2	68.1	70.1	70.1	66.1
87.5°	22.0	18.0	10.1	16.0	24.0	24.0	28.1	30.1	28.1	28.1	28.1
90°	16.0	11.1	6.2	11.1	16.0	17.2	27.1	40.2	46.8	41.6	31.2
92.5°	108.4	66.4	24.6	66.4	108.4	118.8	167.0	231.4	263.5	231.0	165.8
95°	212.4	135.8	59.2	135.8	212.4	231.6	411.1	650.7	770.4	687.4	521.6
97.5°	237.4	169.8	102.2	169.8	237.4	254.4	553.9	953.2	1152.9	1100.5	995.6
100°	258.1	196.8	135.5	196.8	258.1	273.4	605.8	1048.9	1270.5	1274.3	1282.0
102.5°	278.2	221.0	163.8	221.0	278.2	292.5	629.6	1079.1	1303.8	1370.5	1504.1
105°	308.7	260.3	211.8	260.3	308.7	320.8	647.2	1082.5	1300.1	1449.8	1749.2
107.5°	351.5	306.3	261.2	306.3	351.5	362.7	650.6	1034.3	1226.2	1435.0	1852.8
110°	376.0	335.2	294.4	335.2	376.0	386.1	645.6	991.6	1164.6	1398.1	1865.0



TEST NUMBER: P934277

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	404.7	365.8	327.0	365.8	404.7	414.4	645.8	954.3	1108.5	1347.5	1825.4
115°	448.0	412.1	376.3	412.1	448.0	457.0	651.8	911.5	1041.4	1271.6	1731.9
117.5°	490.0	457.5	424.9	457.5	490.0	498.2	663.8	884.7	995.2	1203.0	1618.4
120°	514.5	484.0	453.3	484.0	514.5	522.2	673.7	875.8	976.8	1166.6	1546.2
122.5°	542.8	511.9	481.0	511.9	542.8	550.6	687.9	871.0	962.5	1133.4	1475.4
125°	579.9	551.7	523.5	551.7	579.9	586.9	707.1	867.1	947.2	1092.4	1382.7
127.5°	614.9	586.4	558.0	586.4	614.9	622.0	726.1	864.8	934.2	1058.9	1308.2
130°	637.7	607.2	576.5	607.2	637.7	645.4	740.0	866.2	929.4	1040.3	1262.3
132.5°	656.9	626.2	595.5	626.2	656.9	664.5	751.4	867.1	925.0	1024.4	1223.1
135°	679.7	651.8	623.9	651.8	679.7	686.6	763.6	866.3	917.6	1000.9	1167.3
137.5°	708.2	680.5	652.8	680.5	708.2	715.0	782.2	871.7	916.4	986.7	1127.5
140°	727.7	702.3	676.8	702.3	727.7	734.1	793.4	872.5	912.0	972.8	1094.4
142.5°	742.4	718.8	695.3	718.8	742.4	748.3	802.9	875.7	912.0	965.4	1072.2
145°	764.6	744.1	723.6	744.1	764.6	769.8	815.2	875.7	906.0	949.6	1036.9
147.5°	791.9	771.9	752.0	771.9	791.9	796.9	833.3	881.8	906.0	940.3	1009.0
150°	806.6	788.4	770.4	788.4	806.6	811.0	842.7	884.8	906.0	934.9	992.9
152.5°	816.9	803.2	789.5	803.2	816.9	820.3	848.9	886.9	906.0	930.8	980.3
155°	838.1	828.0	817.8	828.0	838.1	840.6	862.4	891.4	906.0	925.7	965.0
157.5°	858.5	848.7	838.8	848.7	858.5	860.9	876.0	896.0	906.0	921.3	951.9
160°	868.3	860.6	853.0	860.6	868.3	870.2	882.2	898.0	906.0	919.1	945.3
162.5°	878.7	872.9	867.1	872.9	878.7	880.1	888.7	900.2	906.0	917.0	939.1
165°	892.9	887.7	882.6	887.7	892.9	894.2	898.1	903.4	906.0	913.9	929.8
167.5°	901.6	899.1	896.7	899.1	901.6	902.2	905.5	909.8	912.0	917.2	927.7
170°	910.8	908.4	906.0	908.4	910.8	911.4	911.6	911.9	912.0	917.2	927.7
172.5°	911.9	911.3	910.8	911.3	911.9	912.0	912.0	912.0	912.0	916.1	924.4
175°	917.6	917.6	917.6	917.6	917.6	917.6	915.7	913.2	912.0	914.6	919.9
177.5°	917.6	917.6	917.6	917.6	917.6	917.6	916.2	914.3	913.3	915.4	919.5
180°	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6



TEST NUMBER: P934277

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2044.0	2038.0	2046.0	2024.0	2046.0	2038.0	2044.0	2058.0	2046.0	2054.1	2062.0
5°	1793.5	1783.4	1751.5	1725.4	1751.5	1783.4	1793.5	1835.6	1855.6	1891.7	1939.8
7.5°	1603.2	1595.1	1587.1	1571.1	1587.1	1595.1	1603.2	1615.1	1635.2	1667.2	1703.4
10°	1561.0	1563.0	1575.1	1573.1	1575.1	1563.0	1561.0	1557.0	1551.1	1557.0	1579.1
12.5°	1669.3	1687.3	1753.5	1749.4	1753.5	1687.3	1669.3	1589.1	1535.0	1525.0	1529.0
15°	1793.5	1799.5	1813.5	1815.5	1813.5	1799.5	1793.5	1761.4	1599.1	1529.0	1506.9
17.5°	1805.5	1807.5	1817.5	1817.5	1817.5	1807.5	1805.5	1791.5	1737.4	1643.2	1519.0
20°	1795.5	1799.5	1819.6	1823.6	1819.6	1799.5	1795.5	1777.5	1747.4	1713.3	1619.2
22.5°	1791.5	1799.5	1815.5	1813.5	1815.5	1799.5	1791.5	1763.4	1737.4	1713.3	1675.3
25°	1771.5	1771.5	1773.5	1775.5	1773.5	1771.5	1771.5	1749.4	1697.3	1691.3	1669.3
27.5°	1729.4	1733.3	1745.4	1743.4	1745.4	1733.3	1729.4	1721.4	1665.2	1659.2	1643.2
30°	1691.3	1687.3	1677.3	1669.3	1677.3	1687.3	1691.3	1679.3	1623.2	1607.1	1611.1
32.5°	1627.2	1617.1	1607.1	1601.2	1607.1	1617.1	1627.2	1623.2	1581.1	1559.0	1563.0
35°	1551.1	1553.1	1551.1	1545.0	1551.1	1553.1	1551.1	1555.1	1529.0	1508.9	1506.9
37.5°	1496.9	1501.0	1498.9	1490.9	1498.9	1501.0	1496.9	1492.9	1456.8	1450.9	1454.9
40°	1440.8	1442.8	1440.8	1434.8	1440.8	1442.8	1440.8	1432.7	1382.7	1384.7	1398.7
42.5°	1386.7	1384.7	1378.7	1374.7	1378.7	1384.7	1386.7	1374.7	1310.5	1304.6	1330.6
45°	1324.6	1326.6	1314.5	1308.5	1314.5	1326.6	1324.6	1316.6	1250.5	1234.4	1252.5
47.5°	1262.4	1262.4	1252.5	1246.4	1252.5	1262.4	1262.4	1252.5	1182.4	1166.3	1176.3
50°	1196.3	1194.3	1180.3	1178.3	1180.3	1194.3	1196.3	1190.3	1116.2	1102.2	1102.2
52.5°	1120.2	1120.2	1122.2	1126.2	1122.2	1120.2	1120.2	1122.2	1056.1	1042.0	1038.0
55°	1054.1	1056.1	1070.1	1074.1	1070.1	1056.1	1054.1	1054.1	993.9	979.9	971.9
57.5°	985.9	985.9	995.9	995.9	995.9	985.9	985.9	982.0	923.8	911.7	907.8
60°	907.8	911.7	919.8	917.8	919.8	911.7	907.8	903.8	853.7	845.6	831.7
62.5°	825.6	829.7	831.7	827.6	831.7	829.7	825.6	813.6	783.6	777.5	759.4
65°	739.4	743.4	745.4	741.4	745.4	743.4	739.4	733.5	711.3	701.4	685.3
67.5°	651.3	649.3	647.3	655.3	647.3	649.3	651.3	643.2	629.3	621.2	599.2
70°	561.0	561.0	559.1	563.1	559.1	561.0	561.0	555.1	547.1	541.0	521.0
72.5°	464.9	462.9	470.9	464.9	470.9	462.9	464.9	462.9	458.9	452.9	432.9
75°	370.7	374.7	370.7	376.7	370.7	374.7	370.7	372.7	370.7	366.7	352.7
77.5°	282.6	286.5	282.6	282.6	282.6	286.5	282.6	284.6	284.6	284.6	272.5
80°	200.4	198.4	198.4	196.4	198.4	198.4	200.4	200.4	202.4	198.4	194.4
82.5°	128.3	126.3	126.3	130.3	126.3	126.3	128.3	130.3	126.3	126.3	126.3
85°	70.1	72.1	68.1	68.1	68.1	72.1	70.1	66.1	70.1	70.1	68.1
87.5°	26.1	24.0	24.0	24.0	24.0	24.0	26.1	28.1	28.1	28.1	30.1
90°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	31.2	41.6	46.8	40.2
92.5°	117.0	112.3	93.7	75.1	93.7	112.3	117.0	165.8	231.0	263.5	231.4
95°	397.2	383.1	326.7	270.3	326.7	383.1	397.2	521.6	687.4	770.4	650.7
97.5°	917.0	890.2	782.9	675.6	782.9	890.2	917.0	995.6	1100.5	1152.9	953.2
100°	1287.7	1255.8	1128.0	1000.2	1128.0	1255.8	1287.7	1282.0	1274.3	1270.5	1048.9
102.5°	1604.3	1576.9	1467.4	1357.9	1467.4	1576.9	1604.3	1504.1	1370.5	1303.8	1079.1
105°	1973.8	1959.0	1900.3	1841.4	1900.3	1959.0	1973.8	1749.2	1449.8	1300.1	1082.5
107.5°	2166.0	2169.6	2183.7	2198.0	2183.7	2169.6	2166.0	1852.8	1435.0	1226.2	1034.3
110°	2215.2	2230.5	2291.8	2353.1	2291.8	2230.5	2215.2	1865.0	1398.1	1164.6	991.6



TEST NUMBER: P934277

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2183.8	2207.3	2301.6	2395.7	2301.6	2207.3	2183.8	1825.4	1347.5	1108.5	954.3
115°	2077.3	2109.9	2240.5	2371.1	2240.5	2109.9	2077.3	1731.9	1271.6	1041.4	911.5
117.5°	1930.0	1966.2	2111.0	2255.8	2111.0	1966.2	1930.0	1618.4	1203.0	995.2	884.7
120°	1830.9	1866.1	2006.8	2147.5	2006.8	1866.1	1830.9	1546.2	1166.6	976.8	875.8
122.5°	1731.7	1766.4	1905.2	2044.0	1905.2	1766.4	1731.7	1475.4	1133.4	962.5	871.0
125°	1600.6	1632.5	1760.3	1888.2	1760.3	1632.5	1600.6	1382.7	1092.4	947.2	867.1
127.5°	1495.3	1522.3	1630.1	1737.9	1630.1	1522.3	1495.3	1308.2	1058.9	934.2	864.8
130°	1428.8	1453.7	1553.4	1653.0	1553.4	1453.7	1428.8	1262.3	1040.3	929.4	866.2
132.5°	1372.1	1394.4	1483.6	1572.9	1483.6	1394.4	1372.1	1223.1	1024.4	925.0	867.1
135°	1292.1	1311.3	1388.2	1465.1	1388.2	1311.3	1292.1	1167.3	1000.9	917.6	866.3
137.5°	1232.9	1248.7	1311.6	1374.6	1311.6	1248.7	1232.9	1127.5	986.7	916.4	871.7
140°	1185.5	1200.3	1259.0	1317.9	1259.0	1200.3	1185.5	1094.4	972.8	912.0	872.5
142.5°	1152.3	1164.9	1215.6	1266.2	1215.6	1164.9	1152.3	1072.2	965.4	912.0	875.7
145°	1102.4	1111.9	1150.3	1188.6	1150.3	1111.9	1102.4	1036.9	949.6	906.0	875.7
147.5°	1060.5	1068.5	1100.2	1132.0	1100.2	1068.5	1060.5	1009.0	940.3	906.0	881.8
150°	1036.4	1042.9	1068.6	1094.4	1068.6	1042.9	1036.4	992.9	934.9	906.0	884.8
152.5°	1017.4	1022.3	1041.7	1061.1	1041.7	1022.3	1017.4	980.3	930.8	906.0	886.9
155°	994.6	997.8	1010.7	1023.6	1010.7	997.8	994.6	965.0	925.7	906.0	891.4
157.5°	974.9	977.2	986.1	995.2	986.1	977.2	974.9	951.9	921.3	906.0	896.0
160°	965.0	966.3	971.6	976.8	971.6	966.3	965.0	945.3	919.1	906.0	898.0
162.5°	955.8	957.0	961.9	966.9	961.9	957.0	955.8	939.1	917.0	906.0	900.2
165°	941.6	942.9	948.2	953.4	948.2	942.9	941.6	929.8	913.9	906.0	903.4
167.5°	935.4	936.0	938.2	940.4	938.2	936.0	935.4	927.7	917.2	912.0	909.8
170°	935.4	935.4	935.4	935.4	935.4	935.4	935.4	927.7	917.2	912.0	911.9
172.5°	930.6	930.1	928.2	926.3	928.2	930.1	930.6	924.4	916.1	912.0	912.0
175°	923.8	923.8	923.8	923.8	923.8	923.8	923.8	919.9	914.6	912.0	913.2
177.5°	922.6	922.0	919.8	917.6	919.8	922.0	922.6	919.5	915.4	913.3	914.3
180°	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2118.1	2118.1	2118.1	2118.1	2118.1
2.5°	2092.1	2102.1	2108.1	2116.1	2136.1
5°	2011.9	2050.0	2062.0	2092.1	2128.2
7.5°	1835.6	1951.8	1983.8	2056.0	2112.1
10°	1665.2	1781.4	1837.6	2007.9	2092.1
12.5°	1579.1	1647.2	1685.3	1923.8	2064.0
15°	1525.0	1573.1	1601.2	1811.5	2031.9
17.5°	1482.8	1517.0	1537.0	1701.4	1987.9
20°	1456.8	1472.9	1490.9	1621.2	1937.8
22.5°	1438.8	1428.8	1442.8	1565.0	1869.7
25°	1426.8	1388.7	1404.8	1521.0	1789.5
27.5°	1436.8	1352.7	1358.6	1480.9	1705.4
30°	1438.8	1308.5	1310.5	1438.8	1611.1
32.5°	1424.8	1262.4	1264.4	1386.7	1505.0
35°	1390.7	1208.3	1206.4	1326.6	1360.6
37.5°	1344.6	1150.3	1150.3	1260.4	1202.4
40°	1288.5	1092.1	1098.2	1174.3	1062.0
42.5°	1220.4	1030.0	1038.0	1060.0	957.9
45°	1146.2	969.9	975.9	895.7	877.7
47.5°	1064.0	907.8	909.7	743.4	851.7
50°	965.9	843.6	835.6	637.2	849.7
52.5°	879.7	773.5	749.5	577.1	771.5
55°	795.5	699.4	647.3	531.1	715.4
57.5°	721.4	603.2	553.1	476.9	703.4
60°	653.3	509.0	470.9	418.8	645.3
62.5°	597.2	438.8	430.9	378.8	585.2
65°	537.0	390.7	388.7	344.7	497.0
67.5°	479.0	358.7	356.7	312.6	378.8
70°	416.8	324.6	320.6	278.6	280.6
72.5°	352.7	286.5	282.6	250.5	232.5
75°	288.5	242.4	240.4	218.4	188.3
77.5°	226.5	192.3	196.4	176.4	138.2
80°	162.3	140.2	144.3	126.3	104.2
82.5°	108.2	92.2	96.2	80.2	70.1
85°	60.2	52.1	54.1	42.1	32.1
87.5°	28.1	24.0	24.0	16.0	10.1
90°	27.1	17.2	16.0	11.1	6.2
92.5°	167.0	118.8	108.4	66.4	24.6
95°	411.1	231.6	212.4	135.8	59.2
97.5°	553.9	254.4	237.4	169.8	102.2
100°	605.8	273.4	258.1	196.8	135.5
102.5°	629.6	292.5	278.2	221.0	163.8
105°	647.2	320.8	308.7	260.3	211.8
107.5°	650.6	362.7	351.5	306.3	261.2
110°	645.6	386.1	376.0	335.2	294.4



TEST NUMBER: P934277

CATALOG NUMBER: SQ4-FA-050U-050D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	645.8	414.4	404.7	365.8	327.0
115°	651.8	457.0	448.0	412.1	376.3
117.5°	663.8	498.2	490.0	457.5	424.9
120°	673.7	522.2	514.5	484.0	453.3
122.5°	687.9	550.6	542.8	511.9	481.0
125°	707.1	586.9	579.9	551.7	523.5
127.5°	726.1	622.0	614.9	586.4	558.0
130°	740.0	645.4	637.7	607.2	576.5
132.5°	751.4	664.5	656.9	626.2	595.5
135°	763.6	686.6	679.7	651.8	623.9
137.5°	782.2	715.0	708.2	680.5	652.8
140°	793.4	734.1	727.7	702.3	676.8
142.5°	802.9	748.3	742.4	718.8	695.3
145°	815.2	769.8	764.6	744.1	723.6
147.5°	833.3	796.9	791.9	771.9	752.0
150°	842.7	811.0	806.6	788.4	770.4
152.5°	848.9	820.3	816.9	803.2	789.5
155°	862.4	840.6	838.1	828.0	817.8
157.5°	876.0	860.9	858.5	848.7	838.8
160°	882.2	870.2	868.3	860.6	853.0
162.5°	888.7	880.1	878.7	872.9	867.1
165°	898.1	894.2	892.9	887.7	882.6
167.5°	905.5	902.2	901.6	899.1	896.7
170°	911.6	911.4	910.8	908.4	906.0
172.5°	912.0	912.0	911.9	911.3	910.8
175°	915.7	917.6	917.6	917.6	917.6
177.5°	916.2	917.6	917.6	917.6	917.6
180°	917.6	917.6	917.6	917.6	917.6



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.16	12.00	12.13	12.99	14.29	14.01	14.85	14.98	15.84	17.14
	3H	11.63	12.39	12.62	13.39	14.71	15.36	16.12	16.34	17.11	18.43
	4H	11.82	12.54	12.82	13.54	14.87	15.81	16.52	16.81	17.52	18.85
	6H	11.94	12.60	12.95	13.60	14.95	16.10	16.76	17.11	17.76	19.10
	8H	11.94	12.57	12.96	13.59	14.93	16.17	16.80	17.19	17.82	19.16
	12H	11.91	12.51	12.93	13.52	14.89	16.21	16.81	17.23	17.83	19.19
4H	2H	12.19	12.91	13.20	13.91	15.24	14.41	15.13	15.42	16.13	17.46
	3H	13.22	13.81	14.23	14.84	16.19	15.92	16.52	16.94	17.55	18.89
	4H	13.49	14.04	14.51	15.06	16.43	16.46	17.00	17.48	18.02	19.39
	6H	13.62	14.09	14.65	15.13	16.49	16.83	17.30	17.86	18.34	19.70
	8H	13.62	14.06	14.66	15.10	16.48	16.94	17.37	17.97	18.41	19.79
	12H	13.59	13.98	14.64	15.04	16.42	17.00	17.39	18.05	18.44	19.83
8H	4H	13.95	14.39	14.98	15.42	16.80	16.58	17.02	17.61	18.05	19.43
	6H	14.21	14.57	15.27	15.65	17.03	17.02	17.38	18.08	18.46	19.84
	8H	14.25	14.57	15.32	15.63	17.03	17.18	17.49	18.24	18.56	19.95
	12H	14.24	14.52	15.30	15.57	17.01	17.28	17.56	18.35	18.62	20.05
12H	4H	13.95	14.35	15.01	15.40	16.79	16.54	16.94	17.59	17.99	19.37
	6H	14.27	14.59	15.34	15.65	17.05	17.02	17.34	18.08	18.40	19.79
	8H	14.34	14.62	15.41	15.68	17.11	17.18	17.46	18.25	18.52	19.96