

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: P934654

Luminaire Tested: SQ4-FA-075U-050D-93050-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934654
REPORT IS A COMBINATION OF REPORTS P933705 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-050D-93050-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

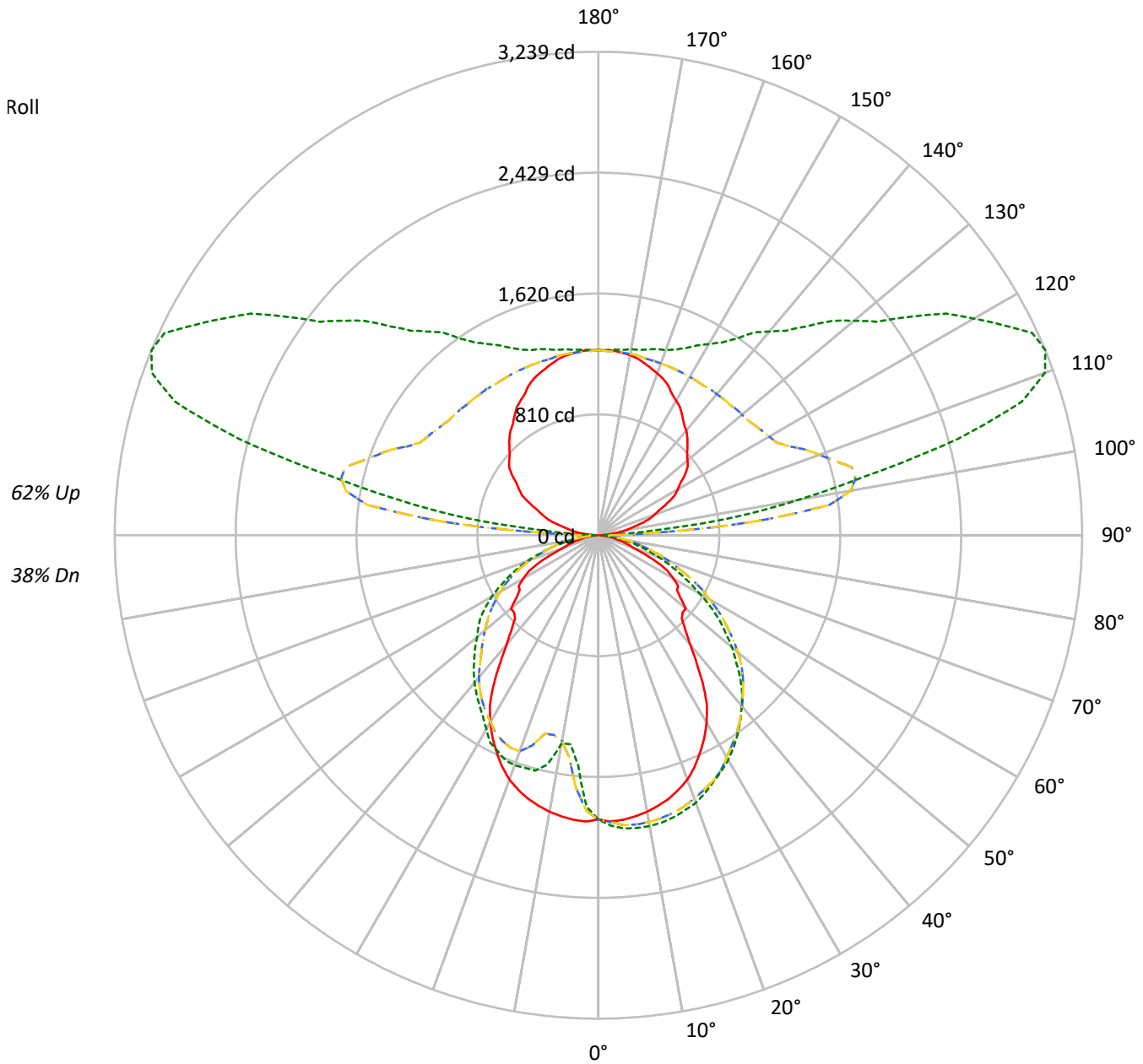
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12983.8 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 103.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20										
RC	80					70					50					30					10					0					
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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°	5889	5889	5889	5889
5°	5935	5945	5935	4674
10°	5898	5856	5898	4187
15°	5836	5729	5836	4784
20°	5716	5579	5716	4794
25°	5469	5359	5469	4692
30°	5148	5177	5148	4469
35°	4592	4947	4592	4224
40°	3828	4676	3828	4039
45°	3422	4359	3422	3826
50°	3639	3981	3639	3612
55°	3427	3573	3427	3489
60°	3538	3035	3538	3195
65°	3213	2509	3213	2804
70°	2230	2000	2230	2351
75°	1962	1478	1962	1769
80°	1592	977	1592	1064
85°	933	518	933	440

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5242 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.9	1.3
10°-20°	488.0	3.8
20°-30°	754.3	5.8
30°-40°	900.5	6.9
40°-50°	905.8	7.0
50°-60°	788.2	6.1
60°-70°	558.8	4.3
70°-80°	295.6	2.3
80°-90°	78.4	0.6
90°-100°	604.7	4.7
100°-110°	1589.9	12.2
110°-120°	1648.5	12.7
120°-130°	1322.3	10.2
130°-140°	1037.6	8.0
140°-150°	796.4	6.1
150°-160°	573.5	4.4
160°-170°	350.9	2.7
170°-180°	118.6	0.9
0°-30°	1414.2	10.9
0°-40°	2314.7	17.8
0°-60°	4008.7	30.9
0°-90°	4941.5	38.1
90°-120°	3843.1	29.6
90°-150°	6999.4	53.9
90°-180°	8042.0	61.9
0°-180°	12983.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1904	1904	1904	1904	1904	
5°	1913	1972	1913	1551	1913	181
15°	1826	1954	1826	1632	1826	514
25°	1609	1823	1609	1596	1609	739
35°	1223	1627	1223	1389	1223	757
45°	789	1340	789	1176	789	632
55°	643	989	643	966	643	591
65°	447	596	447	666	447	427
75°	169	283	169	339	169	178
85°	29	72	29	61	29	39
90°	8	32	8	32	8	8
95°	80	366	80	366	80	89
105°	286	2490	286	2490	286	304
115°	509	3206	509	3206	509	502
125°	708	2553	708	2553	708	628
135°	844	1981	844	1981	844	653
145°	978	1607	978	1607	978	613
155°	1106	1384	1106	1384	1106	508
165°	1193	1289	1193	1289	1193	337
175°	1241	1249	1241	1249	1241	118
180°	1241	1241	1241	1241	1241	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1920.2	1920.2	1931.0	1934.6	1934.6	1929.2	1923.8	1929.2	1945.4	1950.8	1949.0
5°	1913.0	1927.4	1947.2	1950.8	1954.5	1952.7	1949.0	1952.7	1970.7	1974.3	1976.0
7.5°	1898.6	1925.6	1950.8	1956.3	1961.6	1956.3	1954.5	1958.0	1976.0	1979.6	1979.6
10°	1880.6	1918.4	1947.2	1950.8	1956.3	1950.8	1950.8	1958.0	1976.0	1979.6	1981.5
12.5°	1855.4	1907.6	1934.6	1938.3	1945.4	1943.6	1941.8	1949.0	1967.1	1970.7	1970.7
15°	1826.5	1887.8	1913.0	1916.6	1929.2	1925.6	1925.6	1932.8	1952.7	1958.0	1956.3
17.5°	1787.0	1862.6	1891.4	1896.8	1905.9	1904.0	1905.9	1913.0	1931.0	1934.6	1936.5
20°	1741.9	1828.3	1862.6	1868.0	1877.0	1877.0	1877.0	1886.0	1904.0	1911.2	1911.2
22.5°	1680.7	1792.3	1828.3	1832.0	1842.7	1842.7	1846.4	1858.9	1875.1	1877.0	1877.0
25°	1608.6	1752.7	1783.3	1794.1	1804.9	1810.3	1815.8	1822.9	1828.3	1826.5	1828.3
27.5°	1533.0	1702.3	1741.9	1749.1	1763.5	1768.9	1776.1	1777.9	1779.7	1785.1	1781.5
30°	1448.3	1632.0	1691.4	1698.7	1722.0	1725.7	1718.5	1722.0	1731.1	1734.7	1738.2
32.5°	1352.8	1527.5	1639.2	1655.4	1677.0	1666.3	1664.4	1669.8	1684.3	1684.3	1687.8
35°	1223.1	1446.5	1590.6	1605.0	1621.2	1608.6	1615.8	1617.6	1626.6	1632.0	1630.2
37.5°	1080.8	1376.2	1540.1	1550.9	1563.6	1547.4	1558.1	1563.6	1570.7	1567.2	1567.2
40°	954.7	1266.3	1480.7	1487.9	1498.7	1486.1	1496.9	1500.5	1504.1	1500.5	1498.7
42.5°	861.0	1145.6	1417.6	1426.7	1419.4	1428.5	1432.1	1439.3	1433.8	1426.7	1426.7
45°	788.9	1113.2	1349.2	1360.0	1349.2	1363.6	1369.0	1369.0	1352.8	1349.2	1347.4
47.5°	765.6	1048.4	1280.7	1280.7	1275.4	1293.4	1302.3	1289.8	1273.6	1268.1	1268.1
50°	763.8	976.3	1187.1	1179.8	1205.1	1226.7	1217.7	1205.1	1192.5	1172.7	1172.7
52.5°	693.5	888.1	1066.4	1093.4	1133.0	1145.6	1131.2	1118.6	1097.0	1088.0	1080.8
55°	643.1	796.2	956.5	1010.5	1052.0	1068.2	1041.2	1028.5	996.1	990.8	987.2
57.5°	632.3	662.9	855.6	924.1	974.5	972.8	956.5	933.1	906.1	900.7	898.9
60°	580.1	479.2	747.6	828.6	880.8	875.4	861.0	839.4	814.2	810.6	807.0
62.5°	526.0	347.6	625.0	717.0	790.7	788.9	776.4	743.9	725.9	717.0	709.7
65°	446.8	291.8	445.0	596.3	702.6	706.1	679.1	655.7	635.9	625.0	623.2
67.5°	340.5	237.8	300.8	497.2	617.9	614.3	580.1	569.2	544.0	538.6	527.8
70°	252.2	158.6	209.0	403.5	535.0	526.0	499.0	486.3	463.0	450.3	443.1
72.5°	209.0	127.9	153.1	313.4	450.3	439.5	416.1	401.7	381.9	371.1	363.9
75°	169.3	135.1	117.1	232.3	365.6	358.5	336.8	322.4	306.2	291.8	293.6
77.5°	124.3	126.1	93.6	171.1	290.0	279.2	266.6	248.6	241.4	227.0	227.0
80°	93.6	99.1	70.3	117.1	209.0	209.0	198.1	185.5	172.9	165.7	165.7
82.5°	63.0	63.0	52.2	73.9	142.3	136.9	129.7	126.1	118.9	115.3	115.3
85°	28.8	36.0	32.4	45.0	77.4	81.0	81.0	77.4	75.7	72.1	73.9
87.5°	9.0	16.2	19.8	25.2	39.7	41.5	43.2	43.2	43.2	45.0	45.0
90°	8.3	15.0	21.6	23.3	36.6	54.4	63.3	56.2	42.2	31.6	31.6
92.5°	33.3	89.9	146.6	160.7	225.9	312.8	356.3	312.3	224.3	158.2	151.9
95°	80.0	183.5	287.2	313.1	555.9	879.7	1041.6	929.5	705.2	537.0	517.9
97.5°	138.2	229.6	321.1	343.9	748.8	1288.7	1558.6	1487.7	1346.0	1239.7	1203.5
100°	183.2	266.1	349.0	369.7	819.0	1418.1	1717.7	1722.8	1733.2	1741.0	1697.8
102.5°	221.5	298.9	376.1	395.5	851.2	1458.8	1762.7	1852.9	2033.5	2169.0	2132.0
105°	286.4	351.9	417.4	433.8	875.1	1463.5	1757.7	1960.1	2365.0	2668.6	2648.7
107.5°	353.0	414.1	475.1	490.5	879.6	1398.4	1657.8	1940.1	2504.8	2928.3	2933.1
110°	398.0	453.1	508.3	522.1	872.8	1340.6	1574.5	1890.2	2521.5	2994.9	3015.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	442.1	494.7	547.2	560.4	873.2	1290.2	1498.8	1821.8	2467.9	2952.5	2984.3
115°	508.7	557.2	605.7	617.8	881.2	1232.4	1408.0	1719.2	2341.6	2808.4	2852.6
117.5°	574.5	618.6	662.5	673.5	897.6	1196.1	1345.5	1626.3	2188.1	2609.4	2658.4
120°	612.8	654.3	695.7	706.0	910.9	1184.0	1320.5	1577.1	2090.4	2475.4	2522.9
122.5°	650.3	692.1	733.9	744.4	930.1	1177.6	1301.3	1532.4	1994.7	2341.3	2388.2
125°	707.7	745.9	784.0	793.5	955.8	1172.3	1280.6	1476.9	1869.5	2164.0	2207.2
127.5°	754.4	792.9	831.4	841.0	981.7	1169.3	1263.1	1431.7	1768.8	2021.6	2058.1
130°	779.4	820.8	862.2	872.6	1000.5	1171.1	1256.4	1406.4	1706.6	1931.6	1965.3
132.5°	805.2	846.6	888.0	898.4	1015.7	1172.3	1250.6	1384.9	1653.6	1855.1	1885.3
135°	843.5	881.2	918.9	928.3	1032.5	1171.2	1240.6	1353.1	1578.1	1746.8	1772.8
137.5°	882.6	919.9	957.4	966.7	1057.5	1178.4	1238.9	1334.0	1524.3	1666.9	1688.2
140°	915.0	949.4	983.9	992.5	1072.7	1179.7	1233.1	1315.3	1479.6	1602.8	1622.7
142.5°	940.0	971.9	1003.6	1011.6	1085.5	1183.9	1233.1	1305.3	1449.6	1557.8	1574.9
145°	978.3	1006.1	1033.8	1040.8	1102.1	1183.9	1224.8	1283.8	1401.9	1490.4	1503.4
147.5°	1016.6	1043.7	1070.7	1077.4	1126.6	1192.0	1224.8	1271.3	1364.1	1433.8	1444.5
150°	1041.6	1066.0	1090.5	1096.6	1139.3	1196.3	1224.8	1264.0	1342.4	1401.3	1409.9
152.5°	1067.4	1085.9	1104.4	1109.0	1147.6	1199.1	1224.8	1258.3	1325.2	1375.5	1382.0
155°	1105.7	1119.4	1133.1	1136.5	1166.0	1205.2	1224.8	1251.5	1304.7	1344.7	1349.1
157.5°	1134.0	1147.3	1160.7	1164.0	1184.2	1211.3	1224.8	1245.5	1286.9	1318.0	1321.0
160°	1153.2	1163.5	1173.9	1176.5	1192.6	1214.0	1224.8	1242.5	1278.1	1304.7	1306.5
162.5°	1172.3	1180.1	1187.8	1189.8	1201.4	1217.0	1224.8	1239.7	1269.7	1292.2	1293.9
165°	1193.2	1200.2	1207.1	1208.9	1214.2	1221.3	1224.8	1235.5	1256.9	1273.0	1274.8
167.5°	1212.3	1215.6	1219.0	1219.8	1224.2	1230.2	1233.1	1240.1	1254.2	1264.7	1265.4
170°	1224.8	1228.1	1231.5	1232.3	1232.6	1232.9	1233.1	1240.1	1254.2	1264.7	1264.7
172.5°	1231.4	1232.1	1232.9	1233.1	1233.1	1233.1	1233.1	1238.7	1249.8	1258.1	1257.5
175°	1240.6	1240.6	1240.6	1240.6	1238.1	1234.8	1233.1	1236.6	1243.7	1249.0	1249.0
177.5°	1240.6	1240.6	1240.6	1240.6	1238.7	1236.1	1234.8	1237.6	1243.1	1247.3	1246.5
180°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1952.7	1947.2	1952.7	1949.0	1950.8	1945.4	1929.2	1923.8	1929.2	1934.6	1934.6
5°	1976.0	1972.5	1976.0	1976.0	1974.3	1970.7	1952.7	1949.0	1952.7	1954.5	1950.8
7.5°	1983.3	1977.8	1983.3	1979.6	1979.6	1976.0	1958.0	1954.5	1956.3	1961.6	1956.3
10°	1983.3	1977.8	1983.3	1981.5	1979.6	1976.0	1958.0	1950.8	1950.8	1956.3	1950.8
12.5°	1974.3	1970.7	1974.3	1970.7	1970.7	1967.1	1949.0	1941.8	1943.6	1945.4	1938.3
15°	1959.8	1954.5	1959.8	1956.3	1958.0	1952.7	1932.8	1925.6	1925.6	1929.2	1916.6
17.5°	1938.3	1931.0	1938.3	1936.5	1934.6	1931.0	1913.0	1905.9	1904.0	1905.9	1896.8
20°	1913.0	1907.6	1913.0	1911.2	1911.2	1904.0	1886.0	1877.0	1877.0	1877.0	1868.0
22.5°	1873.4	1868.0	1873.4	1877.0	1877.0	1875.1	1858.9	1846.4	1842.7	1842.7	1832.0
25°	1828.3	1822.9	1828.3	1828.3	1826.5	1828.3	1822.9	1815.8	1810.3	1804.9	1794.1
27.5°	1785.1	1781.5	1785.1	1781.5	1785.1	1779.7	1777.9	1776.1	1768.9	1763.5	1749.1
30°	1741.9	1738.2	1741.9	1738.2	1734.7	1731.1	1722.0	1718.5	1725.7	1722.0	1698.7
32.5°	1687.8	1684.3	1687.8	1687.8	1684.3	1684.3	1669.8	1664.4	1666.3	1677.0	1655.4
35°	1632.0	1626.6	1632.0	1630.2	1632.0	1626.6	1617.6	1615.8	1608.6	1621.2	1605.0
37.5°	1567.2	1561.8	1567.2	1567.2	1567.2	1570.7	1563.6	1558.1	1547.4	1563.6	1550.9
40°	1500.5	1493.3	1500.5	1498.7	1500.5	1504.1	1500.5	1496.9	1486.1	1498.7	1487.9
42.5°	1424.9	1423.0	1424.9	1426.7	1426.7	1433.8	1439.3	1432.1	1428.5	1419.4	1426.7
45°	1343.8	1340.2	1343.8	1347.4	1349.2	1352.8	1369.0	1369.0	1363.6	1349.2	1360.0
47.5°	1257.3	1248.3	1257.3	1268.1	1268.1	1273.6	1289.8	1302.3	1293.4	1275.4	1280.7
50°	1165.4	1167.2	1165.4	1172.7	1172.7	1192.5	1205.1	1217.7	1226.7	1205.1	1179.8
52.5°	1075.4	1073.6	1075.4	1080.8	1088.0	1097.0	1118.6	1131.2	1145.6	1133.0	1093.4
55°	985.3	989.0	985.3	987.2	990.8	996.1	1028.5	1041.2	1068.2	1052.0	1010.5
57.5°	895.2	889.9	895.2	898.9	900.7	906.1	933.1	956.5	972.8	974.5	924.1
60°	790.7	783.6	790.7	807.0	810.6	814.2	839.4	861.0	875.4	880.8	828.6
62.5°	698.9	686.3	698.9	709.7	717.0	725.9	743.9	776.4	788.9	790.7	717.0
65°	601.6	596.3	601.6	623.2	625.0	635.9	655.7	679.1	706.1	702.6	596.3
67.5°	513.4	513.4	513.4	527.8	538.6	544.0	569.2	580.1	614.3	617.9	497.2
70°	432.3	430.6	432.3	443.1	450.3	463.0	486.3	499.0	526.0	535.0	403.5
72.5°	354.9	353.0	354.9	363.9	371.1	381.9	401.7	416.1	439.5	450.3	313.4
75°	286.4	282.8	286.4	293.6	291.8	306.2	322.4	336.8	358.5	365.6	232.3
77.5°	219.8	219.8	219.8	227.0	227.0	241.4	248.6	266.6	279.2	290.0	171.1
80°	163.9	162.1	163.9	165.7	165.7	172.9	185.5	198.1	209.0	209.0	117.1
82.5°	115.3	111.6	115.3	115.3	115.3	118.9	126.1	129.7	136.9	142.3	73.9
85°	72.1	72.1	72.1	73.9	72.1	75.7	77.4	81.0	81.0	77.4	45.0
87.5°	46.8	45.0	46.8	45.0	45.0	43.2	43.2	43.2	41.5	39.7	25.2
90°	31.6	31.6	31.6	31.6	31.6	42.2	56.2	63.3	54.4	36.6	23.3
92.5°	126.8	101.6	126.8	151.9	158.2	224.3	312.3	356.3	312.8	225.9	160.7
95°	441.7	365.6	441.7	517.9	537.0	705.2	929.5	1041.6	879.7	555.9	313.1
97.5°	1058.4	913.4	1058.4	1203.5	1239.7	1346.0	1487.7	1558.6	1288.7	748.8	343.9
100°	1525.0	1352.2	1525.0	1697.8	1741.0	1733.2	1722.8	1717.7	1418.1	819.0	369.7
102.5°	1983.9	1835.9	1983.9	2132.0	2169.0	2033.5	1852.9	1762.7	1458.8	851.2	395.5
105°	2569.1	2489.5	2569.1	2648.7	2668.6	2365.0	1960.1	1757.7	1463.5	875.1	433.8
107.5°	2952.4	2971.6	2952.4	2933.1	2928.3	2504.8	1940.1	1657.8	1398.4	879.6	490.5
110°	3098.5	3181.4	3098.5	3015.6	2994.9	2521.5	1890.2	1574.5	1340.6	872.8	522.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3111.6	3238.9	3111.6	2984.3	2952.5	2467.9	1821.8	1498.8	1290.2	873.2	560.4
115°	3029.0	3205.6	3029.0	2852.6	2808.4	2341.6	1719.2	1408.0	1232.4	881.2	617.8
117.5°	2854.1	3049.9	2854.1	2658.4	2609.4	2188.1	1626.3	1345.5	1196.1	897.6	673.5
120°	2713.2	2903.3	2713.2	2522.9	2475.4	2090.4	1577.1	1320.5	1184.0	910.9	706.0
122.5°	2575.8	2763.5	2575.8	2388.2	2341.3	1994.7	1532.4	1301.3	1177.6	930.1	744.4
125°	2380.0	2552.8	2380.0	2207.2	2164.0	1869.5	1476.9	1280.6	1172.3	955.8	793.5
127.5°	2203.9	2349.7	2203.9	2058.1	2021.6	1768.8	1431.7	1263.1	1169.3	981.7	841.0
130°	2100.0	2234.8	2100.0	1965.3	1931.6	1706.6	1406.4	1256.4	1171.1	1000.5	872.6
132.5°	2005.9	2126.5	2005.9	1885.3	1855.1	1653.6	1384.9	1250.6	1172.3	1015.7	898.4
135°	1876.8	1980.8	1876.8	1772.8	1746.8	1578.1	1353.1	1240.6	1171.2	1032.5	928.3
137.5°	1773.3	1858.4	1773.3	1688.2	1666.9	1524.3	1334.0	1238.9	1178.4	1057.5	966.7
140°	1702.3	1781.8	1702.3	1622.7	1602.8	1479.6	1315.3	1233.1	1179.7	1072.7	992.5
142.5°	1643.4	1711.8	1643.4	1574.9	1557.8	1449.6	1305.3	1233.1	1183.9	1085.5	1011.6
145°	1555.2	1606.9	1555.2	1503.4	1490.4	1401.9	1283.8	1224.8	1183.9	1102.1	1040.8
147.5°	1487.4	1530.4	1487.4	1444.5	1433.8	1364.1	1271.3	1224.8	1192.0	1126.6	1077.4
150°	1444.8	1479.6	1444.8	1409.9	1401.3	1342.4	1264.0	1224.8	1196.3	1139.3	1096.6
152.5°	1408.3	1434.6	1408.3	1382.0	1375.5	1325.2	1258.3	1224.8	1199.1	1147.6	1109.0
155°	1366.4	1383.8	1366.4	1349.1	1344.7	1304.7	1251.5	1224.8	1205.2	1166.0	1136.5
157.5°	1333.3	1345.5	1333.3	1321.0	1318.0	1286.9	1245.5	1224.8	1211.3	1184.2	1164.0
160°	1313.5	1320.5	1313.5	1306.5	1304.7	1278.1	1242.5	1224.8	1214.0	1192.6	1176.5
162.5°	1300.5	1307.2	1300.5	1293.9	1292.2	1269.7	1239.7	1224.8	1217.0	1201.4	1189.8
165°	1281.8	1288.9	1281.8	1274.8	1273.0	1256.9	1235.5	1224.8	1221.3	1214.2	1208.9
167.5°	1268.5	1271.4	1268.5	1265.4	1264.7	1254.2	1240.1	1233.1	1230.2	1224.2	1219.8
170°	1264.7	1264.7	1264.7	1264.7	1264.7	1254.2	1240.1	1233.1	1232.9	1232.6	1232.3
172.5°	1254.9	1252.3	1254.9	1257.5	1258.1	1249.8	1238.7	1233.1	1233.1	1233.1	1233.1
175°	1249.0	1249.0	1249.0	1249.0	1249.0	1243.7	1236.6	1233.1	1234.8	1238.1	1240.6
177.5°	1243.6	1240.6	1243.6	1246.5	1247.3	1243.1	1237.6	1234.8	1236.1	1238.7	1240.6
180°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1931.0	1920.2	1920.2	1902.2	1895.0	1889.6	1880.6	1853.6	1846.4	1839.1	1850.0
5°	1947.2	1927.4	1913.0	1880.6	1853.6	1842.7	1808.5	1743.7	1700.5	1668.1	1650.1
7.5°	1950.8	1925.6	1898.6	1848.2	1783.3	1754.5	1650.1	1531.2	1498.7	1469.9	1451.8
10°	1947.2	1918.4	1880.6	1804.9	1651.9	1601.4	1496.9	1419.4	1399.6	1394.3	1399.6
12.5°	1934.6	1907.6	1855.4	1729.3	1515.0	1480.7	1419.4	1374.4	1370.8	1379.9	1428.5
15°	1913.0	1887.8	1826.5	1628.4	1439.3	1414.1	1370.8	1354.6	1374.4	1437.4	1583.4
17.5°	1891.4	1862.6	1787.0	1529.4	1381.6	1363.6	1332.9	1365.4	1477.1	1561.8	1610.4
20°	1862.6	1828.3	1741.9	1457.3	1340.2	1324.0	1309.6	1455.5	1540.1	1570.7	1597.8
22.5°	1828.3	1792.3	1680.7	1406.8	1296.9	1284.3	1293.4	1505.9	1540.1	1561.8	1585.1
25°	1783.3	1752.7	1608.6	1367.2	1262.7	1248.3	1282.5	1500.5	1520.3	1525.7	1572.5
27.5°	1741.9	1702.3	1533.0	1331.1	1221.3	1215.9	1291.6	1477.1	1491.5	1496.9	1547.4
30°	1691.4	1632.0	1448.3	1293.4	1178.1	1176.3	1293.4	1448.3	1444.7	1459.1	1509.5
32.5°	1639.2	1527.5	1352.8	1246.5	1136.6	1134.8	1280.7	1405.0	1401.4	1421.2	1459.1
35°	1590.6	1446.5	1223.1	1192.5	1084.4	1086.2	1250.1	1354.6	1356.4	1374.4	1397.9
37.5°	1540.1	1376.2	1080.8	1133.0	1034.0	1034.0	1208.7	1307.8	1304.2	1309.6	1342.0
40°	1480.7	1266.3	954.7	1055.6	987.2	981.7	1158.3	1257.3	1244.8	1243.0	1287.9
42.5°	1417.6	1145.6	861.0	952.9	933.1	925.8	1097.0	1196.0	1172.7	1178.1	1235.7
45°	1349.2	1113.2	788.9	805.2	877.2	871.9	1030.3	1125.9	1109.6	1124.1	1183.5
47.5°	1280.7	1048.4	765.6	668.3	817.8	816.0	956.5	1057.4	1048.4	1062.8	1125.9
50°	1187.1	976.3	763.8	572.8	751.2	758.3	868.3	990.8	990.8	1003.4	1070.0
52.5°	1066.4	888.1	693.5	518.7	673.7	695.3	790.7	933.1	936.7	949.3	1008.7
55°	956.5	796.2	643.1	477.4	581.9	628.7	715.1	873.6	880.8	893.4	947.5
57.5°	855.6	662.9	632.3	428.7	497.2	542.2	648.5	816.0	819.6	830.4	882.7
60°	747.6	479.2	580.1	376.5	423.3	457.5	587.2	747.6	760.1	767.4	812.4
62.5°	625.0	347.6	526.0	340.5	387.3	394.5	536.8	682.7	698.9	704.3	731.4
65°	445.0	291.8	446.8	309.9	349.4	351.2	482.8	616.1	630.5	639.4	659.3
67.5°	300.8	237.8	340.5	281.0	320.6	322.4	430.6	538.6	558.4	565.7	578.2
70°	209.0	158.6	252.2	250.4	288.2	291.8	374.7	468.3	486.3	491.8	499.0
72.5°	153.1	127.9	209.0	225.2	254.0	257.6	317.0	389.1	407.1	412.5	416.1
75°	117.1	135.1	169.3	196.3	216.1	217.9	259.4	317.0	329.7	333.2	335.0
77.5°	93.6	126.1	124.3	158.6	176.6	172.9	203.6	245.0	255.8	255.8	255.8
80°	70.3	99.1	93.6	113.5	129.7	126.1	145.9	174.8	178.3	181.9	180.1
82.5°	52.2	63.0	63.0	72.1	86.5	82.9	97.2	113.5	113.5	113.5	117.1
85°	32.4	36.0	28.8	37.9	48.6	46.8	54.1	61.2	63.0	63.0	59.4
87.5°	19.8	16.2	9.0	14.4	21.6	21.6	25.2	27.0	25.2	25.2	25.2
90°	21.6	15.0	8.3	15.0	21.6	23.3	36.6	54.4	63.3	56.2	42.2
92.5°	146.6	89.9	33.3	89.9	146.6	160.7	225.9	312.8	356.3	312.3	224.3
95°	287.2	183.5	80.0	183.5	287.2	313.1	555.9	879.7	1041.6	929.5	705.2
97.5°	321.1	229.6	138.2	229.6	321.1	343.9	748.8	1288.7	1558.6	1487.7	1346.0
100°	349.0	266.1	183.2	266.1	349.0	369.7	819.0	1418.1	1717.7	1722.8	1733.2
102.5°	376.1	298.9	221.5	298.9	376.1	395.5	851.2	1458.8	1762.7	1852.9	2033.5
105°	417.4	351.9	286.4	351.9	417.4	433.8	875.1	1463.5	1757.7	1960.1	2365.0
107.5°	475.1	414.1	353.0	414.1	475.1	490.5	879.6	1398.4	1657.8	1940.1	2504.8
110°	508.3	453.1	398.0	453.1	508.3	522.1	872.8	1340.6	1574.5	1890.2	2521.5



TEST NUMBER: P934654

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	547.2	494.7	442.1	494.7	547.2	560.4	873.2	1290.2	1498.8	1821.8	2467.9
115°	605.7	557.2	508.7	557.2	605.7	617.8	881.2	1232.4	1408.0	1719.2	2341.6
117.5°	662.5	618.6	574.5	618.6	662.5	673.5	897.6	1196.1	1345.5	1626.3	2188.1
120°	695.7	654.3	612.8	654.3	695.7	706.0	910.9	1184.0	1320.5	1577.1	2090.4
122.5°	733.9	692.1	650.3	692.1	733.9	744.4	930.1	1177.6	1301.3	1532.4	1994.7
125°	784.0	745.9	707.7	745.9	784.0	793.5	955.8	1172.3	1280.6	1476.9	1869.5
127.5°	831.4	792.9	754.4	792.9	831.4	841.0	981.7	1169.3	1263.1	1431.7	1768.8
130°	862.2	820.8	779.4	820.8	862.2	872.6	1000.5	1171.1	1256.4	1406.4	1706.6
132.5°	888.0	846.6	805.2	846.6	888.0	898.4	1015.7	1172.3	1250.6	1384.9	1653.6
135°	918.9	881.2	843.5	881.2	918.9	928.3	1032.5	1171.2	1240.6	1353.1	1578.1
137.5°	957.4	919.9	882.6	919.9	957.4	966.7	1057.5	1178.4	1238.9	1334.0	1524.3
140°	983.9	949.4	915.0	949.4	983.9	992.5	1072.7	1179.7	1233.1	1315.3	1479.6
142.5°	1003.6	971.9	940.0	971.9	1003.6	1011.6	1085.5	1183.9	1233.1	1305.3	1449.6
145°	1033.8	1006.1	978.3	1006.1	1033.8	1040.8	1102.1	1183.9	1224.8	1283.8	1401.9
147.5°	1070.7	1043.7	1016.6	1043.7	1070.7	1077.4	1126.6	1192.0	1224.8	1271.3	1364.1
150°	1090.5	1066.0	1041.6	1066.0	1090.5	1096.6	1139.3	1196.3	1224.8	1264.0	1342.4
152.5°	1104.4	1085.9	1067.4	1085.9	1104.4	1109.0	1147.6	1199.1	1224.8	1258.3	1325.2
155°	1133.1	1119.4	1105.7	1119.4	1133.1	1136.5	1166.0	1205.2	1224.8	1251.5	1304.7
157.5°	1160.7	1147.3	1134.0	1147.3	1160.7	1164.0	1184.2	1211.3	1224.8	1245.5	1286.9
160°	1173.9	1163.5	1153.2	1163.5	1173.9	1176.5	1192.6	1214.0	1224.8	1242.5	1278.1
162.5°	1187.8	1180.1	1172.3	1180.1	1187.8	1189.8	1201.4	1217.0	1224.8	1239.7	1269.7
165°	1207.1	1200.2	1193.2	1200.2	1207.1	1208.9	1214.2	1221.3	1224.8	1235.5	1256.9
167.5°	1219.0	1215.6	1212.3	1215.6	1219.0	1219.8	1224.2	1230.2	1233.1	1240.1	1254.2
170°	1231.5	1228.1	1224.8	1228.1	1231.5	1232.3	1232.6	1232.9	1233.1	1240.1	1254.2
172.5°	1232.9	1232.1	1231.4	1232.1	1232.9	1233.1	1233.1	1233.1	1233.1	1238.7	1249.8
175°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1238.1	1234.8	1233.1	1236.6	1243.7
177.5°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1238.7	1236.1	1234.8	1237.6	1243.1
180°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6



TEST NUMBER: P934654

CATALOG NUMBER: SQ4-FA-075U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1837.4	1832.0	1839.1	1819.4	1839.1	1832.0	1837.4	1850.0	1839.1	1846.4	1853.6
5°	1612.2	1603.1	1574.4	1550.9	1574.4	1603.1	1612.2	1650.1	1668.1	1700.5	1743.7
7.5°	1441.1	1433.8	1426.7	1412.3	1426.7	1433.8	1441.1	1451.8	1469.9	1498.7	1531.2
10°	1403.2	1405.0	1415.8	1414.1	1415.8	1405.0	1403.2	1399.6	1394.3	1399.6	1419.4
12.5°	1500.5	1516.7	1576.2	1572.5	1576.2	1516.7	1500.5	1428.5	1379.9	1370.8	1374.4
15°	1612.2	1617.6	1630.2	1632.0	1630.2	1617.6	1612.2	1583.4	1437.4	1374.4	1354.6
17.5°	1623.0	1624.8	1633.8	1633.8	1633.8	1624.8	1623.0	1610.4	1561.8	1477.1	1365.4
20°	1614.0	1617.6	1635.6	1639.2	1635.6	1617.6	1614.0	1597.8	1570.7	1540.1	1455.5
22.5°	1610.4	1617.6	1632.0	1630.2	1632.0	1617.6	1610.4	1585.1	1561.8	1540.1	1505.9
25°	1592.4	1592.4	1594.2	1596.0	1594.2	1592.4	1592.4	1572.5	1525.7	1520.3	1500.5
27.5°	1554.5	1558.1	1568.9	1567.2	1568.9	1558.1	1554.5	1547.4	1496.9	1491.5	1477.1
30°	1520.3	1516.7	1507.7	1500.5	1507.7	1516.7	1520.3	1509.5	1459.1	1444.7	1448.3
32.5°	1462.7	1453.6	1444.7	1439.3	1444.7	1453.6	1462.7	1459.1	1421.2	1401.4	1405.0
35°	1394.3	1396.1	1394.3	1388.8	1394.3	1396.1	1394.3	1397.9	1374.4	1356.4	1354.6
37.5°	1345.6	1349.2	1347.4	1340.2	1347.4	1349.2	1345.6	1342.0	1309.6	1304.2	1307.8
40°	1295.2	1296.9	1295.2	1289.8	1295.2	1296.9	1295.2	1287.9	1243.0	1244.8	1257.3
42.5°	1246.5	1244.8	1239.3	1235.7	1239.3	1244.8	1246.5	1235.7	1178.1	1172.7	1196.0
45°	1190.7	1192.5	1181.6	1176.3	1181.6	1192.5	1190.7	1183.5	1124.1	1109.6	1125.9
47.5°	1134.8	1134.8	1125.9	1120.4	1125.9	1134.8	1134.8	1125.9	1062.8	1048.4	1057.4
50°	1075.4	1073.6	1060.9	1059.2	1060.9	1073.6	1075.4	1070.0	1003.4	990.8	990.8
52.5°	1007.0	1007.0	1008.7	1012.3	1008.7	1007.0	1007.0	1008.7	949.3	936.7	933.1
55°	947.5	949.3	961.9	965.5	961.9	949.3	947.5	947.5	893.4	880.8	873.6
57.5°	886.3	886.3	895.2	895.2	895.2	886.3	886.3	882.7	830.4	819.6	816.0
60°	816.0	819.6	826.8	825.0	826.8	819.6	816.0	812.4	767.4	760.1	747.6
62.5°	742.1	745.8	747.6	743.9	747.6	745.8	742.1	731.4	704.3	698.9	682.7
65°	664.7	668.3	670.1	666.5	670.1	668.3	664.7	659.3	639.4	630.5	616.1
67.5°	585.4	583.7	581.9	589.0	581.9	583.7	585.4	578.2	565.7	558.4	538.6
70°	504.3	504.3	502.5	506.2	502.5	504.3	504.3	499.0	491.8	486.3	468.3
72.5°	417.9	416.1	423.3	417.9	423.3	416.1	417.9	416.1	412.5	407.1	389.1
75°	333.2	336.8	333.2	338.6	333.2	336.8	333.2	335.0	333.2	329.7	317.0
77.5°	254.0	257.6	254.0	254.0	254.0	257.6	254.0	255.8	255.8	255.8	245.0
80°	180.1	178.3	178.3	176.6	178.3	178.3	180.1	180.1	181.9	178.3	174.8
82.5°	115.3	113.5	113.5	117.1	113.5	113.5	115.3	117.1	113.5	113.5	113.5
85°	63.0	64.8	61.2	61.2	61.2	64.8	63.0	59.4	63.0	63.0	61.2
87.5°	23.5	21.6	21.6	21.6	21.6	21.6	23.5	25.2	25.2	25.2	27.0
90°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	42.2	56.2	63.3	54.4
92.5°	158.2	151.9	126.8	101.6	126.8	151.9	158.2	224.3	312.3	356.3	312.8
95°	537.0	517.9	441.7	365.6	441.7	517.9	537.0	705.2	929.5	1041.6	879.7
97.5°	1239.7	1203.5	1058.4	913.4	1058.4	1203.5	1239.7	1346.0	1487.7	1558.6	1288.7
100°	1741.0	1697.8	1525.0	1352.2	1525.0	1697.8	1741.0	1733.2	1722.8	1717.7	1418.1
102.5°	2169.0	2132.0	1983.9	1835.9	1983.9	2132.0	2169.0	2033.5	1852.9	1762.7	1458.8
105°	2668.6	2648.7	2569.1	2489.5	2569.1	2648.7	2668.6	2365.0	1960.1	1757.7	1463.5
107.5°	2928.3	2933.1	2952.4	2971.6	2952.4	2933.1	2928.3	2504.8	1940.1	1657.8	1398.4
110°	2994.9	3015.6	3098.5	3181.4	3098.5	3015.6	2994.9	2521.5	1890.2	1574.5	1340.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2952.5	2984.3	3111.6	3238.9	3111.6	2984.3	2952.5	2467.9	1821.8	1498.8	1290.2
115°	2808.4	2852.6	3029.0	3205.6	3029.0	2852.6	2808.4	2341.6	1719.2	1408.0	1232.4
117.5°	2609.4	2658.4	2854.1	3049.9	2854.1	2658.4	2609.4	2188.1	1626.3	1345.5	1196.1
120°	2475.4	2522.9	2713.2	2903.3	2713.2	2522.9	2475.4	2090.4	1577.1	1320.5	1184.0
122.5°	2341.3	2388.2	2575.8	2763.5	2575.8	2388.2	2341.3	1994.7	1532.4	1301.3	1177.6
125°	2164.0	2207.2	2380.0	2552.8	2380.0	2207.2	2164.0	1869.5	1476.9	1280.6	1172.3
127.5°	2021.6	2058.1	2203.9	2349.7	2203.9	2058.1	2021.6	1768.8	1431.7	1263.1	1169.3
130°	1931.6	1965.3	2100.0	2234.8	2100.0	1965.3	1931.6	1706.6	1406.4	1256.4	1171.1
132.5°	1855.1	1885.3	2005.9	2126.5	2005.9	1885.3	1855.1	1653.6	1384.9	1250.6	1172.3
135°	1746.8	1772.8	1876.8	1980.8	1876.8	1772.8	1746.8	1578.1	1353.1	1240.6	1171.2
137.5°	1666.9	1688.2	1773.3	1858.4	1773.3	1688.2	1666.9	1524.3	1334.0	1238.9	1178.4
140°	1602.8	1622.7	1702.3	1781.8	1702.3	1622.7	1602.8	1479.6	1315.3	1233.1	1179.7
142.5°	1557.8	1574.9	1643.4	1711.8	1643.4	1574.9	1557.8	1449.6	1305.3	1233.1	1183.9
145°	1490.4	1503.4	1555.2	1606.9	1555.2	1503.4	1490.4	1401.9	1283.8	1224.8	1183.9
147.5°	1433.8	1444.5	1487.4	1530.4	1487.4	1444.5	1433.8	1364.1	1271.3	1224.8	1192.0
150°	1401.3	1409.9	1444.8	1479.6	1444.8	1409.9	1401.3	1342.4	1264.0	1224.8	1196.3
152.5°	1375.5	1382.0	1408.3	1434.6	1408.3	1382.0	1375.5	1325.2	1258.3	1224.8	1199.1
155°	1344.7	1349.1	1366.4	1383.8	1366.4	1349.1	1344.7	1304.7	1251.5	1224.8	1205.2
157.5°	1318.0	1321.0	1333.3	1345.5	1333.3	1321.0	1318.0	1286.9	1245.5	1224.8	1211.3
160°	1304.7	1306.5	1313.5	1320.5	1313.5	1306.5	1304.7	1278.1	1242.5	1224.8	1214.0
162.5°	1292.2	1293.9	1300.5	1307.2	1300.5	1293.9	1292.2	1269.7	1239.7	1224.8	1217.0
165°	1273.0	1274.8	1281.8	1288.9	1281.8	1274.8	1273.0	1256.9	1235.5	1224.8	1221.3
167.5°	1264.7	1265.4	1268.5	1271.4	1268.5	1265.4	1264.7	1254.2	1240.1	1233.1	1230.2
170°	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1254.2	1240.1	1233.1	1232.9
172.5°	1258.1	1257.5	1254.9	1252.3	1254.9	1257.5	1258.1	1249.8	1238.7	1233.1	1233.1
175°	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1243.7	1236.6	1233.1	1234.8
177.5°	1247.3	1246.5	1243.6	1240.6	1243.6	1246.5	1247.3	1243.1	1237.6	1234.8	1236.1
180°	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6	1240.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1904.0	1904.0	1904.0	1904.0	1904.0
2.5°	1880.6	1889.6	1895.0	1902.2	1920.2
5°	1808.5	1842.7	1853.6	1880.6	1913.0
7.5°	1650.1	1754.5	1783.3	1848.2	1898.6
10°	1496.9	1601.4	1651.9	1804.9	1880.6
12.5°	1419.4	1480.7	1515.0	1729.3	1855.4
15°	1370.8	1414.1	1439.3	1628.4	1826.5
17.5°	1332.9	1363.6	1381.6	1529.4	1787.0
20°	1309.6	1324.0	1340.2	1457.3	1741.9
22.5°	1293.4	1284.3	1296.9	1406.8	1680.7
25°	1282.5	1248.3	1262.7	1367.2	1608.6
27.5°	1291.6	1215.9	1221.3	1331.1	1533.0
30°	1293.4	1176.3	1178.1	1293.4	1448.3
32.5°	1280.7	1134.8	1136.6	1246.5	1352.8
35°	1250.1	1086.2	1084.4	1192.5	1223.1
37.5°	1208.7	1034.0	1034.0	1133.0	1080.8
40°	1158.3	981.7	987.2	1055.6	954.7
42.5°	1097.0	925.8	933.1	952.9	861.0
45°	1030.3	871.9	877.2	805.2	788.9
47.5°	956.5	816.0	817.8	668.3	765.6
50°	868.3	758.3	751.2	572.8	763.8
52.5°	790.7	695.3	673.7	518.7	693.5
55°	715.1	628.7	581.9	477.4	643.1
57.5°	648.5	542.2	497.2	428.7	632.3
60°	587.2	457.5	423.3	376.5	580.1
62.5°	536.8	394.5	387.3	340.5	526.0
65°	482.8	351.2	349.4	309.9	446.8
67.5°	430.6	322.4	320.6	281.0	340.5
70°	374.7	291.8	288.2	250.4	252.2
72.5°	317.0	257.6	254.0	225.2	209.0
75°	259.4	217.9	216.1	196.3	169.3
77.5°	203.6	172.9	176.6	158.6	124.3
80°	145.9	126.1	129.7	113.5	93.6
82.5°	97.2	82.9	86.5	72.1	63.0
85°	54.1	46.8	48.6	37.9	28.8
87.5°	25.2	21.6	21.6	14.4	9.0
90°	36.6	23.3	21.6	15.0	8.3
92.5°	225.9	160.7	146.6	89.9	33.3
95°	555.9	313.1	287.2	183.5	80.0
97.5°	748.8	343.9	321.1	229.6	138.2
100°	819.0	369.7	349.0	266.1	183.2
102.5°	851.2	395.5	376.1	298.9	221.5
105°	875.1	433.8	417.4	351.9	286.4
107.5°	879.6	490.5	475.1	414.1	353.0
110°	872.8	522.1	508.3	453.1	398.0



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CATALOG NUMBER: SQ4-FA-075U-050D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	873.2	560.4	547.2	494.7	442.1
115°	881.2	617.8	605.7	557.2	508.7
117.5°	897.6	673.5	662.5	618.6	574.5
120°	910.9	706.0	695.7	654.3	612.8
122.5°	930.1	744.4	733.9	692.1	650.3
125°	955.8	793.5	784.0	745.9	707.7
127.5°	981.7	841.0	831.4	792.9	754.4
130°	1000.5	872.6	862.2	820.8	779.4
132.5°	1015.7	898.4	888.0	846.6	805.2
135°	1032.5	928.3	918.9	881.2	843.5
137.5°	1057.5	966.7	957.4	919.9	882.6
140°	1072.7	992.5	983.9	949.4	915.0
142.5°	1085.5	1011.6	1003.6	971.9	940.0
145°	1102.1	1040.8	1033.8	1006.1	978.3
147.5°	1126.6	1077.4	1070.7	1043.7	1016.6
150°	1139.3	1096.6	1090.5	1066.0	1041.6
152.5°	1147.6	1109.0	1104.4	1085.9	1067.4
155°	1166.0	1136.5	1133.1	1119.4	1105.7
157.5°	1184.2	1164.0	1160.7	1147.3	1134.0
160°	1192.6	1176.5	1173.9	1163.5	1153.2
162.5°	1201.4	1189.8	1187.8	1180.1	1172.3
165°	1214.2	1208.9	1207.1	1200.2	1193.2
167.5°	1224.2	1219.8	1219.0	1215.6	1212.3
170°	1232.6	1232.3	1231.5	1228.1	1224.8
172.5°	1233.1	1233.1	1232.9	1232.1	1231.4
175°	1238.1	1240.6	1240.6	1240.6	1240.6
177.5°	1238.7	1240.6	1240.6	1240.6	1240.6
180°	1240.6	1240.6	1240.6	1240.6	1240.6



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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	9.76	10.52	10.81	11.58	13.01	12.61	13.37	13.66	14.43	15.86
	3H	10.23	10.91	11.29	11.98	13.43	13.95	14.64	15.02	15.70	17.15
	4H	10.41	11.06	11.49	12.13	13.59	14.40	15.04	15.47	16.11	17.57
	6H	10.53	11.12	11.61	12.19	13.66	14.68	15.28	15.77	16.35	17.82
	8H	10.52	11.09	11.61	12.18	13.64	14.76	15.32	15.84	16.41	17.87
	12H	10.49	11.03	11.58	12.11	13.60	14.79	15.33	15.89	16.41	17.90
4H	2H	10.78	11.43	11.86	12.50	13.95	13.00	13.65	14.08	14.72	16.18
	3H	11.80	12.34	12.89	13.44	14.91	14.51	15.05	15.60	16.14	17.61
	4H	12.07	12.57	13.17	13.65	15.14	15.03	15.53	16.13	16.62	18.11
	6H	12.19	12.62	13.29	13.72	15.21	15.40	15.83	16.50	16.93	18.42
	8H	12.19	12.59	13.30	13.69	15.19	15.51	15.90	16.61	17.01	18.51
	12H	12.16	12.52	13.28	13.63	15.14	15.56	15.92	16.68	17.04	18.54
8H	4H	12.52	12.92	13.62	14.02	15.52	15.15	15.55	16.25	16.65	18.15
	6H	12.78	13.11	13.90	14.25	15.75	15.59	15.92	16.71	17.06	18.56
	8H	12.82	13.11	13.95	14.23	15.75	15.74	16.03	16.87	17.15	18.67
	12H	12.80	13.05	13.93	14.17	15.73	15.84	16.09	16.98	17.21	18.77
12H	4H	12.52	12.88	13.64	14.00	15.50	15.11	15.47	16.23	16.58	18.09
	6H	12.84	13.13	13.97	14.25	15.77	15.59	15.87	16.72	17.00	18.51
	8H	12.90	13.15	14.04	14.27	15.83	15.75	16.00	16.88	17.12	18.67