

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: P934629

Luminaire Tested: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934629
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-92765-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

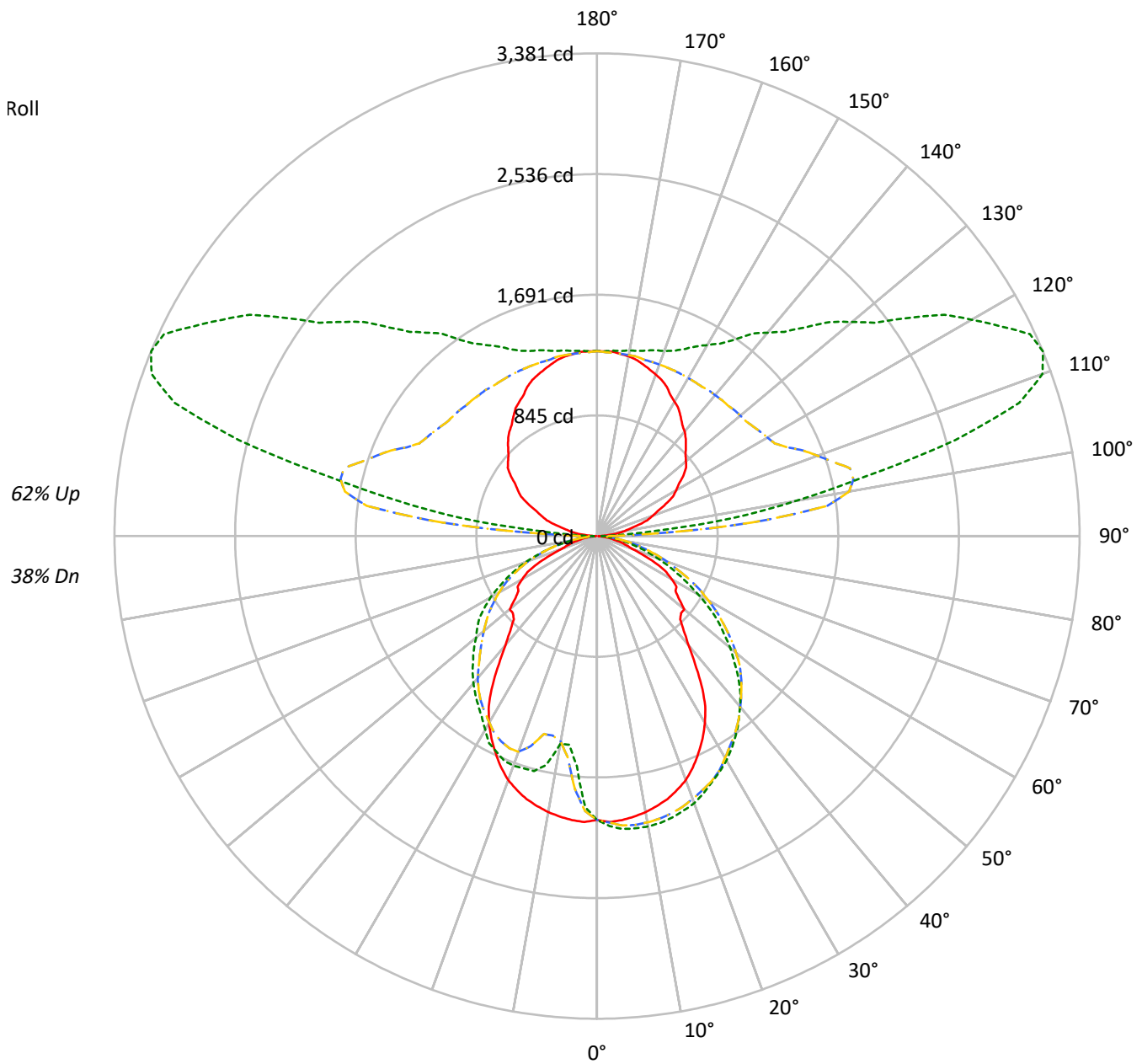
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13555.1 lumens
Efficiency: N/A
Efficacy: 131.3 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: Semi-Indirect

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

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38			38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32			32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27			27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23			23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20			20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17			17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15			15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13			13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12			12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11			11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10			10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6148	6148	6148	6148
5°	6197	6207	6197	4880
10°	6157	6114	6157	4371
15°	6093	5981	6093	4994
20°	5968	5825	5968	5005
25°	5709	5596	5709	4899
30°	5374	5405	5374	4666
35°	4794	5165	4794	4410
40°	3996	4882	3996	4217
45°	3573	4551	3573	3994
50°	3799	4156	3799	3771
55°	3578	3731	3578	3642
60°	3693	3168	3693	3336
65°	3354	2619	3354	2928
70°	2328	2087	2328	2454
75°	2049	1543	2049	1847
80°	1663	1020	1663	1111
85°	975	540	975	459

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5473 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.4	1.3
10°-20°	509.5	3.8
20°-30°	787.5	5.8
30°-40°	940.1	6.9
40°-50°	945.7	7.0
50°-60°	822.8	6.1
60°-70°	583.4	4.3
70°-80°	308.7	2.3
80°-90°	81.8	0.6
90°-100°	631.3	4.7
100°-110°	1659.8	12.2
110°-120°	1721.1	12.7
120°-130°	1380.5	10.2
130°-140°	1083.2	8.0
140°-150°	831.4	6.1
150°-160°	598.7	4.4
160°-170°	366.3	2.7
170°-180°	123.8	0.9
0°-30°	1476.4	10.9
0°-40°	2416.6	17.8
0°-60°	4185.0	30.9
0°-90°	5158.9	38.1
90°-120°	4012.2	29.6
90°-150°	7307.3	53.9
90°-180°	8396.0	61.9
0°-180°	13555.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1988	1988	1988	1988	1988	
5°	1997	2059	1997	1619	1997	189
15°	1907	2040	1907	1704	1907	537
25°	1679	1903	1679	1666	1679	771
35°	1277	1698	1277	1450	1277	790
45°	824	1399	824	1228	824	660
55°	671	1032	671	1008	671	617
65°	466	622	466	696	466	446
75°	177	295	177	354	177	186
85°	30	75	30	64	30	41
90°	9	33	9	33	9	8
95°	84	382	84	382	84	93
105°	299	2599	299	2599	299	317
115°	531	3347	531	3347	531	525
125°	739	2665	739	2665	739	656
135°	881	2068	881	2068	881	681
145°	1021	1678	1021	1678	1021	640
155°	1154	1445	1154	1445	1154	530
165°	1246	1346	1246	1346	1246	352
175°	1295	1304	1295	1304	1295	123
180°	1295	1295	1295	1295	1295	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2004.7	2004.7	2016.0	2019.7	2019.7	2014.1	2008.5	2014.1	2031.0	2036.6	2034.8
5°	1997.2	2012.2	2032.9	2036.6	2040.5	2038.6	2034.8	2038.6	2057.4	2061.1	2063.0
7.5°	1982.1	2010.4	2036.6	2042.3	2047.9	2042.3	2040.5	2044.2	2063.0	2066.7	2066.7
10°	1963.3	2002.8	2032.9	2036.6	2042.3	2036.6	2036.6	2044.2	2063.0	2066.7	2068.7
12.5°	1937.0	1991.6	2019.7	2023.5	2031.0	2029.2	2027.3	2034.8	2053.6	2057.4	2057.4
15°	1906.9	1970.8	1997.2	2000.9	2014.1	2010.4	2010.4	2017.8	2038.6	2044.2	2042.3
17.5°	1865.6	1944.6	1974.7	1980.3	1989.7	1987.7	1989.7	1997.2	2016.0	2019.7	2021.7
20°	1818.6	1908.8	1944.6	1950.2	1959.6	1959.6	1959.6	1969.0	1987.7	1995.3	1995.3
22.5°	1754.6	1871.2	1908.8	1912.6	1923.8	1923.8	1927.6	1940.7	1957.6	1959.6	1959.6
25°	1679.4	1829.8	1861.7	1873.1	1884.4	1890.0	1895.7	1903.2	1908.8	1906.9	1908.8
27.5°	1600.4	1777.2	1818.6	1826.0	1841.1	1846.7	1854.3	1856.1	1858.0	1863.6	1859.9
30°	1512.0	1703.8	1765.8	1773.4	1797.8	1801.6	1794.1	1797.8	1807.3	1811.0	1814.7
32.5°	1412.3	1594.7	1711.4	1728.3	1750.8	1739.6	1737.6	1743.3	1758.4	1758.4	1762.1
35°	1276.9	1510.1	1660.6	1675.6	1692.6	1679.4	1686.9	1688.7	1698.2	1703.8	1701.9
37.5°	1128.4	1436.7	1607.9	1619.2	1632.4	1615.5	1626.7	1632.4	1639.8	1636.1	1636.1
40°	996.7	1322.0	1545.8	1553.4	1564.6	1551.5	1562.7	1566.6	1570.3	1566.6	1564.6
42.5°	898.9	1196.0	1480.0	1489.5	1481.9	1491.3	1495.1	1502.6	1496.9	1489.5	1489.5
45°	823.7	1162.2	1408.6	1419.8	1408.6	1423.7	1429.3	1429.3	1412.3	1408.6	1406.6
47.5°	799.3	1094.5	1337.1	1337.1	1331.5	1350.3	1359.6	1346.5	1329.6	1323.9	1323.9
50°	797.4	1019.3	1239.3	1231.8	1258.1	1280.6	1271.3	1258.1	1244.9	1224.3	1224.3
52.5°	724.0	927.1	1113.3	1141.6	1182.9	1196.0	1181.0	1167.8	1145.3	1135.9	1128.4
55°	671.4	831.2	998.5	1055.0	1098.3	1115.2	1087.0	1073.8	1040.0	1034.3	1030.6
57.5°	660.1	692.1	893.3	964.7	1017.4	1015.6	998.5	974.2	945.9	940.3	938.4
60°	605.6	500.3	780.5	865.1	919.6	914.0	898.9	876.4	850.0	846.3	842.5
62.5°	549.1	362.9	652.5	748.5	825.5	823.7	810.6	776.6	757.9	748.5	740.9
65°	466.4	304.6	464.5	622.5	733.5	737.2	709.0	684.6	663.8	652.5	650.6
67.5°	355.5	248.3	314.1	519.0	645.0	641.3	605.6	594.3	567.9	562.3	551.0
70°	263.3	165.5	218.2	421.3	558.6	549.1	520.9	507.7	483.3	470.2	462.6
72.5°	218.2	133.5	159.8	327.2	470.2	458.8	434.5	419.4	398.7	387.4	379.9
75°	176.8	141.0	122.3	242.6	381.7	374.3	351.6	336.6	319.7	304.6	306.5
77.5°	129.7	131.6	97.8	178.6	302.8	291.5	278.4	259.6	252.0	236.9	236.9
80°	97.8	103.5	73.4	122.3	218.2	218.2	206.9	193.7	180.5	173.0	173.0
82.5°	65.8	65.8	54.5	77.1	148.5	142.9	135.4	131.6	124.1	120.4	120.4
85°	30.1	37.6	33.8	47.0	80.9	84.6	84.6	80.9	79.0	75.2	77.1
87.5°	9.4	16.9	20.7	26.4	41.4	43.3	45.1	45.1	45.1	47.0	47.0
90°	8.7	15.6	22.5	24.3	38.2	56.8	66.1	58.7	44.0	33.0	33.0
92.5°	34.8	93.8	153.0	167.8	235.8	326.6	372.0	326.0	234.1	165.2	158.6
95°	83.5	191.6	299.9	326.9	580.4	918.4	1087.4	970.4	736.3	560.6	540.7
97.5°	144.3	239.8	335.2	359.0	781.8	1345.4	1627.2	1553.2	1405.2	1294.3	1256.4
100°	191.2	277.8	364.3	385.9	855.1	1480.5	1793.2	1798.7	1809.5	1817.6	1772.5
102.5°	231.2	312.0	392.7	412.9	888.6	1523.0	1840.2	1934.5	2123.0	2264.4	2225.8
105°	299.0	367.4	435.8	452.9	913.6	1527.9	1835.0	2046.4	2469.0	2786.0	2765.2
107.5°	368.6	432.3	496.0	512.0	918.3	1459.9	1730.7	2025.5	2615.0	3057.1	3062.2
110°	415.5	473.1	530.6	545.0	911.2	1399.6	1643.8	1973.4	2632.4	3126.7	3148.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	461.6	516.4	571.3	585.0	911.6	1347.0	1564.7	1901.9	2576.5	3082.4	3115.6
115°	531.1	581.7	632.3	644.9	919.9	1286.6	1469.9	1794.8	2444.6	2932.0	2978.1
117.5°	599.8	645.8	691.7	703.2	937.0	1248.8	1404.7	1697.9	2284.3	2724.2	2775.3
120°	639.8	683.1	726.3	737.1	951.0	1236.1	1378.6	1646.5	2182.4	2584.3	2633.9
122.5°	678.9	722.5	766.2	777.1	971.0	1229.4	1358.6	1599.8	2082.4	2444.3	2493.3
125°	738.9	778.7	818.5	828.4	997.9	1223.9	1336.9	1541.9	1951.8	2259.2	2304.3
127.5°	787.6	827.8	868.0	878.0	1024.9	1220.7	1318.7	1494.7	1846.6	2110.6	2148.6
130°	813.7	856.9	900.1	911.0	1044.5	1222.6	1311.7	1468.3	1781.6	2016.6	2051.8
132.5°	840.6	883.9	927.0	937.9	1060.4	1223.9	1305.6	1445.8	1726.3	1936.7	1968.2
135°	880.6	919.9	959.4	969.2	1077.9	1222.8	1295.2	1412.6	1647.5	1823.7	1850.8
137.5°	921.4	960.4	999.5	1009.2	1104.0	1230.3	1293.4	1392.7	1591.3	1740.2	1762.5
140°	955.3	991.2	1027.1	1036.1	1119.9	1231.6	1287.4	1373.2	1544.7	1673.3	1694.1
142.5°	981.3	1014.6	1047.8	1056.1	1133.2	1236.0	1287.4	1362.7	1513.4	1626.4	1644.2
145°	1021.4	1050.3	1079.3	1086.6	1150.6	1236.0	1278.7	1340.3	1463.6	1556.0	1569.6
147.5°	1061.4	1089.6	1117.8	1124.8	1176.1	1244.5	1278.7	1327.2	1424.1	1496.8	1508.1
150°	1087.4	1113.0	1138.5	1144.8	1189.4	1249.0	1278.7	1319.6	1401.5	1462.9	1472.0
152.5°	1114.4	1133.7	1153.0	1157.8	1198.1	1251.9	1278.7	1313.6	1383.6	1436.0	1442.8
155°	1154.4	1168.7	1183.0	1186.5	1217.3	1258.2	1278.7	1306.5	1362.1	1403.8	1408.4
157.5°	1183.9	1197.8	1211.8	1215.2	1236.3	1264.6	1278.7	1300.3	1343.5	1376.0	1379.2
160°	1203.9	1214.7	1225.6	1228.3	1245.1	1267.5	1278.7	1297.2	1334.3	1362.1	1364.0
162.5°	1223.9	1232.0	1240.1	1242.1	1254.3	1270.5	1278.7	1294.3	1325.6	1349.1	1350.8
165°	1245.7	1253.0	1260.3	1262.1	1267.6	1275.0	1278.7	1289.9	1312.2	1329.1	1330.9
167.5°	1265.6	1269.1	1272.6	1273.4	1278.1	1284.3	1287.4	1294.7	1309.3	1320.4	1321.1
170°	1278.7	1282.1	1285.7	1286.5	1286.8	1287.2	1287.4	1294.7	1309.3	1320.4	1320.4
172.5°	1285.6	1286.3	1287.2	1287.4	1287.4	1287.4	1287.4	1293.2	1304.8	1313.4	1312.8
175°	1295.2	1295.2	1295.2	1295.2	1292.6	1289.1	1287.4	1291.0	1298.4	1303.9	1303.9
177.5°	1295.2	1295.2	1295.2	1295.2	1293.2	1290.5	1289.1	1292.0	1297.8	1302.1	1301.4
180°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2038.6	2032.9	2038.6	2034.8	2036.6	2031.0	2014.1	2008.5	2014.1	2019.7	2019.7
5°	2063.0	2059.3	2063.0	2063.0	2061.1	2057.4	2038.6	2034.8	2038.6	2040.5	2036.6
7.5°	2070.6	2064.9	2070.6	2066.7	2066.7	2063.0	2044.2	2040.5	2042.3	2047.9	2042.3
10°	2070.6	2064.9	2070.6	2068.7	2066.7	2063.0	2044.2	2036.6	2036.6	2042.3	2036.6
12.5°	2061.1	2057.4	2061.1	2057.4	2057.4	2053.6	2034.8	2027.3	2029.2	2031.0	2023.5
15°	2046.1	2040.5	2046.1	2042.3	2044.2	2038.6	2017.8	2010.4	2010.4	2014.1	2000.9
17.5°	2023.5	2016.0	2023.5	2021.7	2019.7	2016.0	1997.2	1989.7	1987.7	1989.7	1980.3
20°	1997.2	1991.6	1997.2	1995.3	1995.3	1987.7	1969.0	1959.6	1959.6	1959.6	1950.2
22.5°	1955.8	1950.2	1955.8	1959.6	1959.6	1957.6	1940.7	1927.6	1923.8	1923.8	1912.6
25°	1908.8	1903.2	1908.8	1908.8	1906.9	1908.8	1903.2	1895.7	1890.0	1884.4	1873.1
27.5°	1863.6	1859.9	1863.6	1859.9	1863.6	1858.0	1856.1	1854.3	1846.7	1841.1	1826.0
30°	1818.6	1814.7	1818.6	1814.7	1811.0	1807.3	1797.8	1794.1	1801.6	1797.8	1773.4
32.5°	1762.1	1758.4	1762.1	1762.1	1758.4	1758.4	1743.3	1737.6	1739.6	1750.8	1728.3
35°	1703.8	1698.2	1703.8	1701.9	1703.8	1698.2	1688.7	1686.9	1679.4	1692.6	1675.6
37.5°	1636.1	1630.5	1636.1	1636.1	1636.1	1639.8	1632.4	1626.7	1615.5	1632.4	1619.2
40°	1566.6	1559.0	1566.6	1564.6	1566.6	1570.3	1566.6	1562.7	1551.5	1564.6	1553.4
42.5°	1487.6	1485.6	1487.6	1489.5	1489.5	1496.9	1502.6	1495.1	1491.3	1481.9	1489.5
45°	1402.9	1399.2	1402.9	1406.6	1408.6	1412.3	1429.3	1429.3	1423.7	1408.6	1419.8
47.5°	1312.6	1303.3	1312.6	1323.9	1323.9	1329.6	1346.5	1359.6	1350.3	1331.5	1337.1
50°	1216.7	1218.6	1216.7	1224.3	1224.3	1244.9	1258.1	1271.3	1280.6	1258.1	1231.8
52.5°	1122.7	1120.8	1122.7	1128.4	1135.9	1145.3	1167.8	1181.0	1196.0	1182.9	1141.6
55°	1028.6	1032.5	1028.6	1030.6	1034.3	1040.0	1073.8	1087.0	1115.2	1098.3	1055.0
57.5°	934.6	929.0	934.6	938.4	940.3	945.9	974.2	998.5	1015.6	1017.4	964.7
60°	825.5	818.1	825.5	842.5	846.3	850.0	876.4	898.9	914.0	919.6	865.1
62.5°	729.6	716.5	729.6	740.9	748.5	757.9	776.6	810.6	823.7	825.5	748.5
65°	628.1	622.5	628.1	650.6	652.5	663.8	684.6	709.0	737.2	733.5	622.5
67.5°	536.0	536.0	536.0	551.0	562.3	567.9	594.3	605.6	641.3	645.0	519.0
70°	451.4	449.5	451.4	462.6	470.2	483.3	507.7	520.9	549.1	558.6	421.3
72.5°	370.5	368.6	370.5	379.9	387.4	398.7	419.4	434.5	458.8	470.2	327.2
75°	299.0	295.3	299.0	306.5	304.6	319.7	336.6	351.6	374.3	381.7	242.6
77.5°	229.5	229.5	229.5	236.9	236.9	252.0	259.6	278.4	291.5	302.8	178.6
80°	171.1	169.3	171.1	173.0	173.0	180.5	193.7	206.9	218.2	218.2	122.3
82.5°	120.4	116.6	120.4	120.4	120.4	124.1	131.6	135.4	142.9	148.5	77.1
85°	75.2	75.2	75.2	77.1	75.2	79.0	80.9	84.6	84.6	80.9	47.0
87.5°	48.9	47.0	48.9	47.0	47.0	45.1	45.1	45.1	43.3	41.4	26.4
90°	33.0	33.0	33.0	33.0	33.0	44.0	58.7	66.1	56.8	38.2	24.3
92.5°	132.4	106.1	132.4	158.6	165.2	234.1	326.0	372.0	326.6	235.8	167.8
95°	461.2	381.6	461.2	540.7	560.6	736.3	970.4	1087.4	918.4	580.4	326.9
97.5°	1105.0	953.6	1105.0	1256.4	1294.3	1405.2	1553.2	1627.2	1345.4	781.8	359.0
100°	1592.1	1411.7	1592.1	1772.5	1817.6	1809.5	1798.7	1793.2	1480.5	855.1	385.9
102.5°	2071.2	1916.7	2071.2	2225.8	2264.4	2123.0	1934.5	1840.2	1523.0	888.6	412.9
105°	2682.1	2599.0	2682.1	2765.2	2786.0	2469.0	2046.4	1835.0	1527.9	913.6	452.9
107.5°	3082.3	3102.4	3082.3	3062.2	3057.1	2615.0	2025.5	1730.7	1459.9	918.3	512.0
110°	3234.8	3321.4	3234.8	3148.3	3126.7	2632.4	1973.4	1643.8	1399.6	911.2	545.0



TEST NUMBER: P934629

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3248.5	3381.4	3248.5	3115.6	3082.4	2576.5	1901.9	1564.7	1347.0	911.6	585.0
115°	3162.3	3346.6	3162.3	2978.1	2932.0	2444.6	1794.8	1469.9	1286.6	919.9	644.9
117.5°	2979.7	3184.1	2979.7	2775.3	2724.2	2284.3	1697.9	1404.7	1248.8	937.0	703.2
120°	2832.5	3031.1	2832.5	2633.9	2584.3	2182.4	1646.5	1378.6	1236.1	951.0	737.1
122.5°	2689.1	2885.1	2689.1	2493.3	2444.3	2082.4	1599.8	1358.6	1229.4	971.0	777.1
125°	2484.7	2665.1	2484.7	2304.3	2259.2	1951.8	1541.9	1336.9	1223.9	997.9	828.4
127.5°	2300.9	2453.0	2300.9	2148.6	2110.6	1846.6	1494.7	1318.7	1220.7	1024.9	878.0
130°	2192.4	2333.1	2192.4	2051.8	2016.6	1781.6	1468.3	1311.7	1222.6	1044.5	911.0
132.5°	2094.1	2220.1	2094.1	1968.2	1936.7	1726.3	1445.8	1305.6	1223.9	1060.4	937.9
135°	1959.4	2067.9	1959.4	1850.8	1823.7	1647.5	1412.6	1295.2	1222.8	1077.9	969.2
137.5°	1851.3	1940.2	1851.3	1762.5	1740.2	1591.3	1392.7	1293.4	1230.3	1104.0	1009.2
140°	1777.2	1860.2	1777.2	1694.1	1673.3	1544.7	1373.2	1287.4	1231.6	1119.9	1036.1
142.5°	1715.7	1787.2	1715.7	1644.2	1626.4	1513.4	1362.7	1287.4	1236.0	1133.2	1056.1
145°	1623.6	1677.6	1623.6	1569.6	1556.0	1463.6	1340.3	1278.7	1236.0	1150.6	1086.6
147.5°	1552.8	1597.7	1552.8	1508.1	1496.8	1424.1	1327.2	1278.7	1244.5	1176.1	1124.8
150°	1508.3	1544.7	1508.3	1472.0	1462.9	1401.5	1319.6	1278.7	1249.0	1189.4	1144.8
152.5°	1470.3	1497.7	1470.3	1442.8	1436.0	1383.6	1313.6	1278.7	1251.9	1198.1	1157.8
155°	1426.5	1444.7	1426.5	1408.4	1403.8	1362.1	1306.5	1278.7	1258.2	1217.3	1186.5
157.5°	1392.0	1404.7	1392.0	1379.2	1376.0	1343.5	1300.3	1278.7	1264.6	1236.3	1215.2
160°	1371.3	1378.6	1371.3	1364.0	1362.1	1334.3	1297.2	1278.7	1267.5	1245.1	1228.3
162.5°	1357.8	1364.8	1357.8	1350.8	1349.1	1325.6	1294.3	1278.7	1270.5	1254.3	1242.1
165°	1338.2	1345.6	1338.2	1330.9	1329.1	1312.2	1289.9	1278.7	1275.0	1267.6	1262.1
167.5°	1324.3	1327.4	1324.3	1321.1	1320.4	1309.3	1294.7	1287.4	1284.3	1278.1	1273.4
170°	1320.4	1320.4	1320.4	1320.4	1320.4	1309.3	1294.7	1287.4	1287.2	1286.8	1286.5
172.5°	1310.1	1307.4	1310.1	1312.8	1313.4	1304.8	1293.2	1287.4	1287.4	1287.4	1287.4
175°	1303.9	1303.9	1303.9	1303.9	1303.9	1298.4	1291.0	1287.4	1289.1	1292.6	1295.2
177.5°	1298.3	1295.2	1298.3	1301.4	1302.1	1297.8	1292.0	1289.1	1290.5	1293.2	1295.2
180°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2



TEST NUMBER: P934629

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	2016.0	2004.7	2004.7	1985.9	1978.4	1972.7	1963.3	1935.1	1927.6	1920.1	1931.4
5°	2032.9	2012.2	1997.2	1963.3	1935.1	1923.8	1888.1	1820.4	1775.3	1741.5	1722.7
7.5°	2036.6	2010.4	1982.1	1929.5	1861.7	1831.6	1722.7	1598.5	1564.6	1534.6	1515.7
10°	2032.9	2002.8	1963.3	1884.4	1724.5	1671.8	1562.7	1481.9	1461.2	1455.6	1461.2
12.5°	2019.7	1991.6	1937.0	1805.4	1581.6	1545.8	1481.9	1434.9	1431.1	1440.6	1491.3
15°	1997.2	1970.8	1906.9	1700.0	1502.6	1476.3	1431.1	1414.2	1434.9	1500.7	1653.0
17.5°	1974.7	1944.6	1865.6	1596.7	1442.4	1423.7	1391.6	1425.5	1542.1	1630.5	1681.3
20°	1944.6	1908.8	1818.6	1521.4	1399.2	1382.2	1367.2	1519.6	1607.9	1639.8	1668.1
22.5°	1908.8	1871.2	1754.6	1468.7	1354.0	1340.8	1350.3	1572.2	1607.9	1630.5	1654.9
25°	1861.7	1829.8	1679.4	1427.4	1318.3	1303.3	1339.0	1566.6	1587.2	1592.8	1641.7
27.5°	1818.6	1777.2	1600.4	1389.7	1275.0	1269.4	1348.4	1542.1	1557.1	1562.7	1615.5
30°	1765.8	1703.8	1512.0	1350.3	1229.9	1228.0	1350.3	1512.0	1508.2	1523.3	1575.9
32.5°	1711.4	1594.7	1412.3	1301.4	1186.6	1184.7	1337.1	1466.8	1463.1	1483.8	1523.3
35°	1660.6	1510.1	1276.9	1244.9	1132.1	1134.0	1305.1	1414.2	1416.1	1434.9	1459.4
37.5°	1607.9	1436.7	1128.4	1182.9	1079.5	1079.5	1261.9	1365.3	1361.6	1367.2	1401.0
40°	1545.8	1322.0	996.7	1102.0	1030.6	1024.9	1209.2	1312.6	1299.5	1297.7	1344.6
42.5°	1480.0	1196.0	898.9	994.8	974.2	966.6	1145.3	1248.7	1224.3	1229.9	1290.1
45°	1408.6	1162.2	823.7	840.6	915.8	910.2	1075.7	1175.4	1158.5	1173.5	1235.6
47.5°	1337.1	1094.5	799.3	697.7	853.8	851.9	998.5	1103.9	1094.5	1109.6	1175.4
50°	1239.3	1019.3	797.4	598.0	784.2	791.7	906.5	1034.3	1034.3	1047.5	1117.1
52.5°	1113.3	927.1	724.0	541.6	703.4	725.9	825.5	974.2	977.9	991.1	1053.1
55°	998.5	831.2	671.4	498.4	607.5	656.4	746.5	912.1	919.6	932.7	989.2
57.5°	893.3	692.1	660.1	447.5	519.0	566.1	677.0	851.9	855.6	866.9	921.5
60°	780.5	500.3	605.6	393.0	441.9	477.6	613.1	780.5	793.6	801.1	848.2
62.5°	652.5	362.9	549.1	355.5	404.4	411.8	560.4	712.7	729.6	735.3	763.6
65°	464.5	304.6	466.4	323.5	364.8	366.7	504.0	643.2	658.2	667.6	688.3
67.5°	314.1	248.3	355.5	293.4	334.7	336.6	449.5	562.3	583.0	590.5	603.6
70°	218.2	165.5	263.3	261.4	300.9	304.6	391.2	488.9	507.7	513.4	520.9
72.5°	159.8	133.5	218.2	235.1	265.2	268.9	331.0	406.2	425.0	430.6	434.5
75°	122.3	141.0	176.8	205.0	225.6	227.5	270.8	331.0	344.2	347.9	349.8
77.5°	97.8	131.6	129.7	165.5	184.3	180.5	212.6	255.7	267.0	267.0	267.0
80°	73.4	103.5	97.8	118.5	135.4	131.6	152.4	182.5	186.2	189.9	188.1
82.5°	54.5	65.8	65.8	75.2	90.3	86.6	101.5	118.5	118.5	118.5	122.3
85°	33.8	37.6	30.1	39.5	50.8	48.9	56.5	63.9	65.8	65.8	62.1
87.5°	20.7	16.9	9.4	15.0	22.5	22.5	26.4	28.2	26.4	26.4	26.4
90°	22.5	15.6	8.7	15.6	22.5	24.3	38.2	56.8	66.1	58.7	44.0
92.5°	153.0	93.8	34.8	93.8	153.0	167.8	235.8	326.6	372.0	326.0	234.1
95°	299.9	191.6	83.5	191.6	299.9	326.9	580.4	918.4	1087.4	970.4	736.3
97.5°	335.2	239.8	144.3	239.8	335.2	359.0	781.8	1345.4	1627.2	1553.2	1405.2
100°	364.3	277.8	191.2	277.8	364.3	385.9	855.1	1480.5	1793.2	1798.7	1809.5
102.5°	392.7	312.0	231.2	312.0	392.7	412.9	888.6	1523.0	1840.2	1934.5	2123.0
105°	435.8	367.4	299.0	367.4	435.8	452.9	913.6	1527.9	1835.0	2046.4	2469.0
107.5°	496.0	432.3	368.6	432.3	496.0	512.0	918.3	1459.9	1730.7	2025.5	2615.0
110°	530.6	473.1	415.5	473.1	530.6	545.0	911.2	1399.6	1643.8	1973.4	2632.4



TEST NUMBER: P934629

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	571.3	516.4	461.6	516.4	571.3	585.0	911.6	1347.0	1564.7	1901.9	2576.5
115°	632.3	581.7	531.1	581.7	632.3	644.9	919.9	1286.6	1469.9	1794.8	2444.6
117.5°	691.7	645.8	599.8	645.8	691.7	703.2	937.0	1248.8	1404.7	1697.9	2284.3
120°	726.3	683.1	639.8	683.1	726.3	737.1	951.0	1236.1	1378.6	1646.5	2182.4
122.5°	766.2	722.5	678.9	722.5	766.2	777.1	971.0	1229.4	1358.6	1599.8	2082.4
125°	818.5	778.7	738.9	778.7	818.5	828.4	997.9	1223.9	1336.9	1541.9	1951.8
127.5°	868.0	827.8	787.6	827.8	868.0	878.0	1024.9	1220.7	1318.7	1494.7	1846.6
130°	900.1	856.9	813.7	856.9	900.1	911.0	1044.5	1222.6	1311.7	1468.3	1781.6
132.5°	927.0	883.9	840.6	883.9	927.0	937.9	1060.4	1223.9	1305.6	1445.8	1726.3
135°	959.4	919.9	880.6	919.9	959.4	969.2	1077.9	1222.8	1295.2	1412.6	1647.5
137.5°	999.5	960.4	921.4	960.4	999.5	1009.2	1104.0	1230.3	1293.4	1392.7	1591.3
140°	1027.1	991.2	955.3	991.2	1027.1	1036.1	1119.9	1231.6	1287.4	1373.2	1544.7
142.5°	1047.8	1014.6	981.3	1014.6	1047.8	1056.1	1133.2	1236.0	1287.4	1362.7	1513.4
145°	1079.3	1050.3	1021.4	1050.3	1079.3	1086.6	1150.6	1236.0	1278.7	1340.3	1463.6
147.5°	1117.8	1089.6	1061.4	1089.6	1117.8	1124.8	1176.1	1244.5	1278.7	1327.2	1424.1
150°	1138.5	1113.0	1087.4	1113.0	1138.5	1144.8	1189.4	1249.0	1278.7	1319.6	1401.5
152.5°	1153.0	1133.7	1114.4	1133.7	1153.0	1157.8	1198.1	1251.9	1278.7	1313.6	1383.6
155°	1183.0	1168.7	1154.4	1168.7	1183.0	1186.5	1217.3	1258.2	1278.7	1306.5	1362.1
157.5°	1211.8	1197.8	1183.9	1197.8	1211.8	1215.2	1236.3	1264.6	1278.7	1300.3	1343.5
160°	1225.6	1214.7	1203.9	1214.7	1225.6	1228.3	1245.1	1267.5	1278.7	1297.2	1334.3
162.5°	1240.1	1232.0	1223.9	1232.0	1240.1	1242.1	1254.3	1270.5	1278.7	1294.3	1325.6
165°	1260.3	1253.0	1245.7	1253.0	1260.3	1262.1	1267.6	1275.0	1278.7	1289.9	1312.2
167.5°	1272.6	1269.1	1265.6	1269.1	1272.6	1273.4	1278.1	1284.3	1287.4	1294.7	1309.3
170°	1285.7	1282.1	1278.7	1282.1	1285.7	1286.5	1286.8	1287.2	1287.4	1294.7	1309.3
172.5°	1287.2	1286.3	1285.6	1286.3	1287.2	1287.4	1287.4	1287.4	1287.4	1293.2	1304.8
175°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1292.6	1289.1	1287.4	1291.0	1298.4
177.5°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1293.2	1290.5	1289.1	1292.0	1297.8
180°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2



TEST NUMBER: P934629

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	1918.2	1912.6	1920.1	1899.4	1920.1	1912.6	1918.2	1931.4	1920.1	1927.6	1935.1
5°	1683.1	1673.7	1643.7	1619.2	1643.7	1673.7	1683.1	1722.7	1741.5	1775.3	1820.4
7.5°	1504.5	1496.9	1489.5	1474.4	1489.5	1496.9	1504.5	1515.7	1534.6	1564.6	1598.5
10°	1465.0	1466.8	1478.1	1476.3	1478.1	1466.8	1465.0	1461.2	1455.6	1461.2	1481.9
12.5°	1566.6	1583.5	1645.5	1641.7	1645.5	1583.5	1566.6	1491.3	1440.6	1431.1	1434.9
15°	1683.1	1688.7	1701.9	1703.8	1701.9	1688.7	1683.1	1653.0	1500.7	1434.9	1414.2
17.5°	1694.4	1696.3	1705.7	1705.7	1705.7	1696.3	1694.4	1681.3	1630.5	1542.1	1425.5
20°	1685.0	1688.7	1707.6	1711.4	1707.6	1688.7	1685.0	1668.1	1639.8	1607.9	1519.6
22.5°	1681.3	1688.7	1703.8	1701.9	1703.8	1688.7	1681.3	1654.9	1630.5	1607.9	1572.2
25°	1662.5	1662.5	1664.3	1666.2	1664.3	1662.5	1662.5	1641.7	1592.8	1587.2	1566.6
27.5°	1622.9	1626.7	1638.0	1636.1	1638.0	1626.7	1622.9	1615.5	1562.7	1557.1	1542.1
30°	1587.2	1583.5	1574.0	1566.6	1574.0	1583.5	1587.2	1575.9	1523.3	1508.2	1512.0
32.5°	1527.0	1517.6	1508.2	1502.6	1508.2	1517.6	1527.0	1523.3	1483.8	1463.1	1466.8
35°	1455.6	1457.5	1455.6	1449.9	1455.6	1457.5	1455.6	1459.4	1434.9	1416.1	1414.2
37.5°	1404.8	1408.6	1406.6	1399.2	1406.6	1408.6	1404.8	1401.0	1367.2	1361.6	1365.3
40°	1352.1	1354.0	1352.1	1346.5	1352.1	1354.0	1352.1	1344.6	1297.7	1299.5	1312.6
42.5°	1301.4	1299.5	1293.8	1290.1	1293.8	1299.5	1301.4	1290.1	1229.9	1224.3	1248.7
45°	1243.1	1244.9	1233.6	1228.0	1233.6	1244.9	1243.1	1235.6	1173.5	1158.5	1175.4
47.5°	1184.7	1184.7	1175.4	1169.7	1175.4	1184.7	1184.7	1175.4	1109.6	1094.5	1103.9
50°	1122.7	1120.8	1107.6	1105.8	1107.6	1120.8	1122.7	1117.1	1047.5	1034.3	1034.3
52.5°	1051.3	1051.3	1053.1	1056.9	1053.1	1051.3	1051.3	1053.1	991.1	977.9	974.2
55°	989.2	991.1	1004.2	1008.0	1004.2	991.1	989.2	989.2	932.7	919.6	912.1
57.5°	925.3	925.3	934.6	934.6	934.6	925.3	925.3	921.5	866.9	855.6	851.9
60°	851.9	855.6	863.2	861.3	863.2	855.6	851.9	848.2	801.1	793.6	780.5
62.5°	774.8	778.6	780.5	776.6	780.5	778.6	774.8	763.6	735.3	729.6	712.7
65°	693.9	697.7	699.5	695.8	699.5	697.7	693.9	688.3	667.6	658.2	643.2
67.5°	611.2	609.3	607.5	614.9	607.5	609.3	611.2	603.6	590.5	583.0	562.3
70°	526.5	526.5	524.7	528.5	524.7	526.5	526.5	520.9	513.4	507.7	488.9
72.5°	436.3	434.5	441.9	436.3	441.9	434.5	436.3	434.5	430.6	425.0	406.2
75°	347.9	351.6	347.9	353.5	347.9	351.6	347.9	349.8	347.9	344.2	331.0
77.5°	265.2	268.9	265.2	265.2	265.2	268.9	265.2	267.0	267.0	267.0	255.7
80°	188.1	186.2	186.2	184.3	186.2	186.2	188.1	188.1	189.9	186.2	182.5
82.5°	120.4	118.5	118.5	122.3	118.5	118.5	120.4	122.3	118.5	118.5	118.5
85°	65.8	67.7	63.9	63.9	63.9	67.7	65.8	62.1	65.8	65.8	63.9
87.5°	24.5	22.5	22.5	22.5	22.5	22.5	24.5	26.4	26.4	26.4	28.2
90°	33.0	33.0	33.0	33.0	33.0	33.0	33.0	44.0	58.7	66.1	56.8
92.5°	165.2	158.6	132.4	106.1	132.4	158.6	165.2	234.1	326.0	372.0	326.6
95°	560.6	540.7	461.2	381.6	461.2	540.7	560.6	736.3	970.4	1087.4	918.4
97.5°	1294.3	1256.4	1105.0	953.6	1105.0	1256.4	1294.3	1405.2	1553.2	1627.2	1345.4
100°	1817.6	1772.5	1592.1	1411.7	1592.1	1772.5	1817.6	1809.5	1798.7	1793.2	1480.5
102.5°	2264.4	2225.8	2071.2	1916.7	2071.2	2225.8	2264.4	2123.0	1934.5	1840.2	1523.0
105°	2786.0	2765.2	2682.1	2599.0	2682.1	2765.2	2786.0	2469.0	2046.4	1835.0	1527.9
107.5°	3057.1	3062.2	3082.3	3102.4	3082.3	3062.2	3057.1	2615.0	2025.5	1730.7	1459.9
110°	3126.7	3148.3	3234.8	3321.4	3234.8	3148.3	3126.7	2632.4	1973.4	1643.8	1399.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3082.4	3115.6	3248.5	3381.4	3248.5	3115.6	3082.4	2576.5	1901.9	1564.7	1347.0
115°	2932.0	2978.1	3162.3	3346.6	3162.3	2978.1	2932.0	2444.6	1794.8	1469.9	1286.6
117.5°	2724.2	2775.3	2979.7	3184.1	2979.7	2775.3	2724.2	2284.3	1697.9	1404.7	1248.8
120°	2584.3	2633.9	2832.5	3031.1	2832.5	2633.9	2584.3	2182.4	1646.5	1378.6	1236.1
122.5°	2444.3	2493.3	2689.1	2885.1	2689.1	2493.3	2444.3	2082.4	1599.8	1358.6	1229.4
125°	2259.2	2304.3	2484.7	2665.1	2484.7	2304.3	2259.2	1951.8	1541.9	1336.9	1223.9
127.5°	2110.6	2148.6	2300.9	2453.0	2300.9	2148.6	2110.6	1846.6	1494.7	1318.7	1220.7
130°	2016.6	2051.8	2192.4	2333.1	2192.4	2051.8	2016.6	1781.6	1468.3	1311.7	1222.6
132.5°	1936.7	1968.2	2094.1	2220.1	2094.1	1968.2	1936.7	1726.3	1445.8	1305.6	1223.9
135°	1823.7	1850.8	1959.4	2067.9	1959.4	1850.8	1823.7	1647.5	1412.6	1295.2	1222.8
137.5°	1740.2	1762.5	1851.3	1940.2	1851.3	1762.5	1740.2	1591.3	1392.7	1293.4	1230.3
140°	1673.3	1694.1	1777.2	1860.2	1777.2	1694.1	1673.3	1544.7	1373.2	1287.4	1231.6
142.5°	1626.4	1644.2	1715.7	1787.2	1715.7	1644.2	1626.4	1513.4	1362.7	1287.4	1236.0
145°	1556.0	1569.6	1623.6	1677.6	1623.6	1569.6	1556.0	1463.6	1340.3	1278.7	1236.0
147.5°	1496.8	1508.1	1552.8	1597.7	1552.8	1508.1	1496.8	1424.1	1327.2	1278.7	1244.5
150°	1462.9	1472.0	1508.3	1544.7	1508.3	1472.0	1462.9	1401.5	1319.6	1278.7	1249.0
152.5°	1436.0	1442.8	1470.3	1497.7	1470.3	1442.8	1436.0	1383.6	1313.6	1278.7	1251.9
155°	1403.8	1408.4	1426.5	1444.7	1426.5	1408.4	1403.8	1362.1	1306.5	1278.7	1258.2
157.5°	1376.0	1379.2	1392.0	1404.7	1392.0	1379.2	1376.0	1343.5	1300.3	1278.7	1264.6
160°	1362.1	1364.0	1371.3	1378.6	1371.3	1364.0	1362.1	1334.3	1297.2	1278.7	1267.5
162.5°	1349.1	1350.8	1357.8	1364.8	1357.8	1350.8	1349.1	1325.6	1294.3	1278.7	1270.5
165°	1329.1	1330.9	1338.2	1345.6	1338.2	1330.9	1329.1	1312.2	1289.9	1278.7	1275.0
167.5°	1320.4	1321.1	1324.3	1327.4	1324.3	1321.1	1320.4	1309.3	1294.7	1287.4	1284.3
170°	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1309.3	1294.7	1287.4	1287.2
172.5°	1313.4	1312.8	1310.1	1307.4	1310.1	1312.8	1313.4	1304.8	1293.2	1287.4	1287.4
175°	1303.9	1303.9	1303.9	1303.9	1303.9	1303.9	1303.9	1298.4	1291.0	1287.4	1289.1
177.5°	1302.1	1301.4	1298.3	1295.2	1298.3	1301.4	1302.1	1297.8	1292.0	1289.1	1290.5
180°	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2	1295.2



TEST NUMBER: P934629

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1987.7	1987.7	1987.7	1987.7	1987.7
2.5°	1963.3	1972.7	1978.4	1985.9	2004.7
5°	1888.1	1923.8	1935.1	1963.3	1997.2
7.5°	1722.7	1831.6	1861.7	1929.5	1982.1
10°	1562.7	1671.8	1724.5	1884.4	1963.3
12.5°	1481.9	1545.8	1581.6	1805.4	1937.0
15°	1431.1	1476.3	1502.6	1700.0	1906.9
17.5°	1391.6	1423.7	1442.4	1596.7	1865.6
20°	1367.2	1382.2	1399.2	1521.4	1818.6
22.5°	1350.3	1340.8	1354.0	1468.7	1754.6
25°	1339.0	1303.3	1318.3	1427.4	1679.4
27.5°	1348.4	1269.4	1275.0	1389.7	1600.4
30°	1350.3	1228.0	1229.9	1350.3	1512.0
32.5°	1337.1	1184.7	1186.6	1301.4	1412.3
35°	1305.1	1134.0	1132.1	1244.9	1276.9
37.5°	1261.9	1079.5	1079.5	1182.9	1128.4
40°	1209.2	1024.9	1030.6	1102.0	996.7
42.5°	1145.3	966.6	974.2	994.8	898.9
45°	1075.7	910.2	915.8	840.6	823.7
47.5°	998.5	851.9	853.8	697.7	799.3
50°	906.5	791.7	784.2	598.0	797.4
52.5°	825.5	725.9	703.4	541.6	724.0
55°	746.5	656.4	607.5	498.4	671.4
57.5°	677.0	566.1	519.0	447.5	660.1
60°	613.1	477.6	441.9	393.0	605.6
62.5°	560.4	411.8	404.4	355.5	549.1
65°	504.0	366.7	364.8	323.5	466.4
67.5°	449.5	336.6	334.7	293.4	355.5
70°	391.2	304.6	300.9	261.4	263.3
72.5°	331.0	268.9	265.2	235.1	218.2
75°	270.8	227.5	225.6	205.0	176.8
77.5°	212.6	180.5	184.3	165.5	129.7
80°	152.4	131.6	135.4	118.5	97.8
82.5°	101.5	86.6	90.3	75.2	65.8
85°	56.5	48.9	50.8	39.5	30.1
87.5°	26.4	22.5	22.5	15.0	9.4
90°	38.2	24.3	22.5	15.6	8.7
92.5°	235.8	167.8	153.0	93.8	34.8
95°	580.4	326.9	299.9	191.6	83.5
97.5°	781.8	359.0	335.2	239.8	144.3
100°	855.1	385.9	364.3	277.8	191.2
102.5°	888.6	412.9	392.7	312.0	231.2
105°	913.6	452.9	435.8	367.4	299.0
107.5°	918.3	512.0	496.0	432.3	368.6
110°	911.2	545.0	530.6	473.1	415.5



TEST NUMBER: P934629

CATALOG NUMBER: SQ4-FA-075U-050D-92765-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	911.6	585.0	571.3	516.4	461.6
115°	919.9	644.9	632.3	581.7	531.1
117.5°	937.0	703.2	691.7	645.8	599.8
120°	951.0	737.1	726.3	683.1	639.8
122.5°	971.0	777.1	766.2	722.5	678.9
125°	997.9	828.4	818.5	778.7	738.9
127.5°	1024.9	878.0	868.0	827.8	787.6
130°	1044.5	911.0	900.1	856.9	813.7
132.5°	1060.4	937.9	927.0	883.9	840.6
135°	1077.9	969.2	959.4	919.9	880.6
137.5°	1104.0	1009.2	999.5	960.4	921.4
140°	1119.9	1036.1	1027.1	991.2	955.3
142.5°	1133.2	1056.1	1047.8	1014.6	981.3
145°	1150.6	1086.6	1079.3	1050.3	1021.4
147.5°	1176.1	1124.8	1117.8	1089.6	1061.4
150°	1189.4	1144.8	1138.5	1113.0	1087.4
152.5°	1198.1	1157.8	1153.0	1133.7	1114.4
155°	1217.3	1186.5	1183.0	1168.7	1154.4
157.5°	1236.3	1215.2	1211.8	1197.8	1183.9
160°	1245.1	1228.3	1225.6	1214.7	1203.9
162.5°	1254.3	1242.1	1240.1	1232.0	1223.9
165°	1267.6	1262.1	1260.3	1253.0	1245.7
167.5°	1278.1	1273.4	1272.6	1269.1	1265.6
170°	1286.8	1286.5	1285.7	1282.1	1278.7
172.5°	1287.4	1287.4	1287.2	1286.3	1285.6
175°	1292.6	1295.2	1295.2	1295.2	1295.2
177.5°	1293.2	1295.2	1295.2	1295.2	1295.2
180°	1295.2	1295.2	1295.2	1295.2	1295.2



TEST NUMBER: P934629
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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	9.91	10.67	10.96	11.73	13.16	12.76	13.52	13.81	14.58	16.01
	3H	10.38	11.06	11.44	12.13	13.58	14.10	14.79	15.16	15.85	17.30
	4H	10.56	11.21	11.64	12.28	13.74	14.55	15.19	15.62	16.26	17.72
	6H	10.68	11.27	11.76	12.34	13.81	14.83	15.43	15.91	16.50	17.97
	8H	10.67	11.24	11.76	12.33	13.79	14.91	15.47	15.99	16.56	18.02
	12H	10.64	11.18	11.73	12.26	13.75	14.94	15.48	16.04	16.56	18.05
4H	2H	10.93	11.58	12.01	12.65	14.10	13.15	13.80	14.23	14.87	16.33
	3H	11.95	12.49	13.04	13.58	15.06	14.66	15.20	15.74	16.29	17.76
	4H	12.22	12.72	13.32	13.80	15.29	15.18	15.68	16.28	16.77	18.26
	6H	12.34	12.77	13.44	13.87	15.36	15.55	15.97	16.65	17.08	18.57
	8H	12.34	12.74	13.45	13.84	15.34	15.66	16.05	16.76	17.15	18.66
	12H	12.31	12.67	13.43	13.78	15.28	15.71	16.07	16.83	17.19	18.69
8H	4H	12.67	13.07	13.77	14.17	15.67	15.30	15.70	16.40	16.80	18.30
	6H	12.93	13.26	14.05	14.40	15.90	15.74	16.07	16.86	17.21	18.71
	8H	12.97	13.26	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	15.88	15.99	16.24	17.13	17.36	18.92
12H	4H	12.67	13.03	13.79	14.15	15.65	15.26	15.62	16.38	16.73	18.24
	6H	12.99	13.28	14.12	14.40	15.92	15.73	16.02	16.87	17.15	18.66
	8H	13.05	13.30	14.19	14.42	15.98	15.89	16.15	17.03	17.27	18.82