

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: P936063

Luminaire Tested: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

**Test Information**

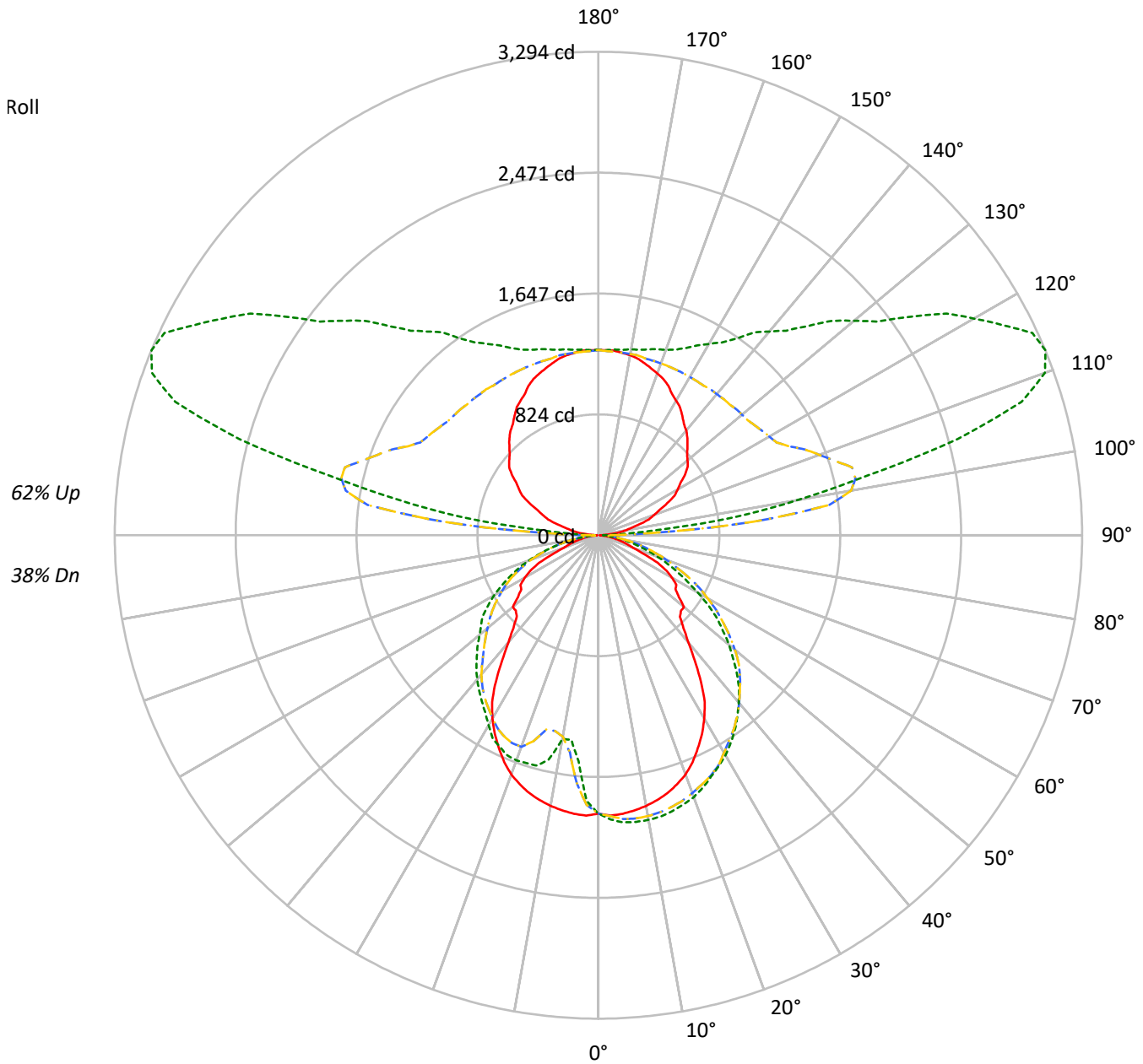
Test Method: LM-79-2019  
Report Number: P936063  
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13100.4 lumens  
Efficiency: N/A  
Efficacy: 120.6 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 108.6  
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	94	94	94	94	76	76	76	60	60	60	45	45	45	38			38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32			32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27			27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23			23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19			19
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	29	26	23	22	20	18	15			15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13			13
8	52	40	32	27	47	37	30	25	30	25	21	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	10			10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9			9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	11729	11729	11729	11729
5°	11812	11839	11812	9310
10°	11729	11662	11729	8338
15°	11597	11410	11597	9527
20°	11350	11111	11350	9547
25°	10849	10674	10849	9345
30°	10204	10311	10204	8901
35°	9092	9853	9092	8413
40°	7571	9313	7571	8044
45°	6761	8682	6761	7620
50°	7176	7928	7176	7194
55°	6746	7116	6746	6948
60°	6946	6043	6946	6363
65°	6288	4996	6288	5585
70°	4343	3982	4343	4681
75°	3794	2943	3794	3525
80°	3033	1947	3033	2119
85°	1711	1031	1711	876

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10368 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.1	1.3
10°-20°	485.9	3.7
20°-30°	751.2	5.7
30°-40°	896.7	6.8
40°-50°	902.0	6.9
50°-60°	784.8	6.0
60°-70°	556.5	4.2
70°-80°	294.4	2.2
80°-90°	78.1	0.6
90°-100°	615.1	4.7
100°-110°	1617.0	12.3
110°-120°	1676.7	12.8
120°-130°	1344.9	10.3
130°-140°	1055.3	8.1
140°-150°	810.0	6.2
150°-160°	583.3	4.5
160°-170°	356.9	2.7
170°-180°	120.6	0.9
0°-30°	1408.2	10.7
0°-40°	2305.0	17.6
0°-60°	3991.8	30.5
0°-90°	4920.7	37.6
90°-120°	3908.8	29.8
90°-150°	7118.9	54.3
90°-180°	8180.0	62.4
0°-180°	13100.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1896	1896	1896	1896	1896	
5°	1905	1964	1905	1544	1905	181
15°	1819	1946	1819	1625	1819	512
25°	1602	1815	1602	1589	1602	735
35°	1218	1620	1218	1383	1218	754
45°	786	1335	786	1171	786	629
55°	640	985	640	962	640	588
65°	445	594	445	664	445	425
75°	169	282	169	337	169	177
85°	29	72	29	61	29	39
90°	8	32	8	32	8	8
95°	81	372	81	372	81	90
105°	291	2532	291	2532	291	309
115°	517	3260	517	3260	517	511
125°	720	2596	720	2596	720	639
135°	858	2015	858	2015	858	664
145°	995	1634	995	1634	995	623
155°	1125	1407	1125	1407	1125	517
165°	1214	1311	1214	1311	1214	342
175°	1262	1270	1262	1270	1262	120
180°	1262	1262	1262	1262	1262	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1912.2	1912.2	1922.9	1926.5	1926.5	1921.1	1915.7	1921.1	1937.2	1942.7	1940.8
5°	1904.9	1919.3	1939.0	1942.7	1946.2	1944.4	1940.8	1944.4	1962.3	1965.9	1967.7
7.5°	1890.6	1917.5	1942.7	1948.0	1953.3	1948.0	1946.2	1949.8	1967.7	1971.4	1971.4
10°	1872.7	1910.3	1939.0	1942.7	1948.0	1942.7	1942.7	1949.8	1967.7	1971.4	1973.1
12.5°	1847.5	1899.6	1926.5	1930.1	1937.2	1935.4	1933.6	1940.8	1958.8	1962.3	1962.3
15°	1818.8	1879.8	1904.9	1908.5	1921.1	1917.5	1917.5	1924.6	1944.4	1949.8	1948.0
17.5°	1779.4	1854.7	1883.5	1888.8	1897.8	1896.0	1897.8	1904.9	1922.9	1926.5	1928.3
20°	1734.6	1820.6	1854.7	1860.1	1869.1	1869.1	1869.1	1878.0	1896.0	1903.2	1903.2
22.5°	1673.6	1784.8	1820.6	1824.3	1835.0	1835.0	1838.6	1851.1	1867.3	1869.1	1869.1
25°	1601.8	1745.3	1775.8	1786.5	1797.3	1802.7	1808.1	1815.3	1820.6	1818.8	1820.6
27.5°	1526.5	1695.1	1734.6	1741.7	1756.1	1761.4	1768.6	1770.4	1772.2	1777.6	1774.0
30°	1442.2	1625.1	1684.3	1691.5	1714.8	1718.4	1711.2	1714.8	1723.8	1727.4	1730.9
32.5°	1347.1	1521.1	1632.3	1648.5	1669.9	1659.2	1657.4	1662.8	1677.2	1677.2	1680.7
35°	1218.0	1440.4	1583.9	1598.2	1614.4	1601.8	1609.0	1610.7	1619.7	1625.1	1623.3
37.5°	1076.2	1370.4	1533.6	1544.4	1557.0	1540.9	1551.5	1557.0	1564.1	1560.6	1560.6
40°	950.7	1261.0	1474.4	1481.7	1492.4	1479.8	1490.6	1494.1	1497.8	1494.1	1492.4
42.5°	857.4	1140.8	1411.7	1420.7	1413.5	1422.5	1426.0	1433.2	1427.8	1420.7	1420.7
45°	785.7	1108.6	1343.5	1354.3	1343.5	1357.8	1363.3	1363.3	1347.1	1343.5	1341.7
47.5°	762.3	1043.9	1275.4	1275.4	1269.9	1287.9	1296.8	1284.3	1268.1	1262.8	1262.8
50°	760.5	972.2	1182.0	1174.9	1200.0	1221.5	1212.6	1200.0	1187.5	1167.7	1167.7
52.5°	690.5	884.3	1061.8	1088.8	1128.3	1140.8	1126.5	1113.9	1092.3	1083.4	1076.2
55°	640.4	792.8	952.5	1006.3	1047.5	1063.7	1036.8	1024.2	992.0	986.5	983.0
57.5°	629.6	660.1	852.0	920.2	970.4	968.6	952.5	929.1	902.3	896.8	895.1
60°	577.6	477.1	744.4	825.1	877.1	871.8	857.4	835.9	810.8	807.2	803.6
62.5°	523.7	346.2	622.4	713.9	787.5	785.7	773.1	740.8	722.9	713.9	706.7
65°	444.9	290.6	443.1	593.7	699.6	703.1	676.2	652.9	633.2	622.4	620.7
67.5°	339.0	236.8	299.5	495.0	615.2	611.7	577.6	566.8	541.7	536.3	525.5
70°	251.1	157.9	208.1	401.8	532.8	523.7	496.8	484.4	461.0	448.4	441.3
72.5°	208.1	127.4	152.4	312.1	448.4	437.6	414.4	400.0	380.3	369.5	362.3
75°	168.6	134.5	116.6	231.4	364.1	357.0	335.5	321.1	304.9	290.6	292.4
77.5°	123.7	125.5	93.2	170.4	288.7	278.1	265.5	247.6	240.3	226.0	226.0
80°	93.2	98.7	70.0	116.6	208.1	208.1	197.3	184.7	172.2	165.0	165.0
82.5°	62.8	62.8	52.0	73.5	141.7	136.3	129.2	125.5	118.4	114.8	114.8
85°	28.7	35.8	32.3	44.8	77.1	80.7	80.7	77.1	75.3	71.8	73.5
87.5°	9.0	16.1	19.7	25.1	39.5	41.3	43.1	43.1	43.1	44.8	44.8
90°	8.5	15.3	22.0	23.7	37.3	55.3	64.4	57.2	42.9	32.2	32.2
92.5°	33.9	91.4	149.1	163.5	229.8	318.3	362.4	317.6	228.1	160.9	154.5
95°	81.3	186.6	292.1	318.4	565.5	894.8	1059.4	945.4	717.2	546.2	526.8
97.5°	140.6	233.5	326.5	349.8	761.6	1310.8	1585.3	1513.2	1369.1	1261.0	1224.0
100°	186.3	270.6	354.9	376.0	833.0	1442.4	1747.1	1752.3	1762.9	1770.8	1726.9
102.5°	225.3	304.0	382.6	402.3	865.8	1483.7	1792.8	1884.5	2068.2	2206.0	2168.3
105°	291.3	357.9	424.5	441.2	890.0	1488.4	1787.7	1993.5	2405.3	2714.1	2693.8
107.5°	359.1	421.2	483.3	498.7	894.5	1422.2	1686.0	1973.3	2547.6	2978.3	2983.2
110°	404.8	460.9	516.9	531.0	887.8	1363.4	1601.3	1922.4	2564.5	3046.0	3067.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	449.7	503.1	556.5	569.9	888.1	1312.2	1524.3	1852.9	2510.0	3002.9	3035.3
115°	517.4	566.7	616.1	628.4	896.2	1253.4	1432.0	1748.5	2381.6	2856.3	2901.2
117.5°	584.3	629.1	673.9	685.1	912.9	1216.6	1368.5	1654.2	2225.4	2653.9	2703.7
120°	623.3	665.5	707.7	718.2	926.4	1204.2	1343.1	1604.1	2126.1	2517.6	2566.0
122.5°	661.4	703.9	746.5	757.1	945.9	1197.7	1323.6	1558.7	2028.7	2381.3	2429.0
125°	719.8	758.5	797.4	807.0	972.1	1192.4	1302.4	1502.1	1901.4	2200.9	2244.8
127.5°	767.2	806.3	845.5	855.3	998.4	1189.2	1284.6	1456.0	1798.9	2056.1	2093.2
130°	792.6	834.8	877.0	887.5	1017.7	1191.2	1277.9	1430.5	1735.7	1964.7	1998.9
132.5°	818.9	861.1	903.3	913.8	1033.2	1192.4	1271.9	1408.5	1681.8	1886.7	1917.4
135°	857.8	896.2	934.7	944.3	1050.1	1191.2	1261.8	1376.2	1605.0	1776.7	1803.1
137.5°	897.6	935.7	973.7	983.2	1075.5	1198.5	1260.1	1356.8	1550.3	1695.4	1717.0
140°	930.7	965.7	1000.7	1009.4	1091.0	1199.8	1254.2	1337.7	1504.8	1630.2	1650.4
142.5°	956.0	988.4	1020.8	1028.9	1104.0	1204.1	1254.2	1327.6	1474.3	1584.4	1601.8
145°	995.0	1023.3	1051.5	1058.6	1121.0	1204.1	1245.7	1305.7	1425.8	1515.9	1529.0
147.5°	1034.0	1061.5	1088.9	1095.8	1145.8	1212.4	1245.7	1292.9	1387.3	1458.2	1469.2
150°	1059.4	1084.2	1109.0	1115.2	1158.7	1216.7	1245.7	1285.6	1365.3	1425.2	1434.0
152.5°	1085.7	1104.5	1123.3	1128.0	1167.2	1219.5	1245.7	1279.7	1347.9	1398.9	1405.6
155°	1124.6	1138.5	1152.5	1155.9	1185.9	1225.8	1245.7	1272.7	1327.0	1367.6	1372.0
157.5°	1153.4	1166.9	1180.5	1183.9	1204.5	1231.9	1245.7	1266.8	1309.0	1340.5	1343.6
160°	1172.9	1183.4	1193.9	1196.5	1212.9	1234.7	1245.7	1263.8	1299.9	1327.0	1328.8
162.5°	1192.4	1200.2	1208.1	1210.1	1222.0	1237.8	1245.7	1260.9	1291.4	1314.3	1316.0
165°	1213.5	1220.7	1227.8	1229.6	1234.9	1242.1	1245.7	1256.6	1278.4	1294.8	1296.6
167.5°	1233.0	1236.4	1239.8	1240.6	1245.1	1251.2	1254.2	1261.3	1275.6	1286.3	1287.0
170°	1245.7	1249.0	1252.5	1253.3	1253.6	1254.0	1254.2	1261.3	1275.6	1286.3	1286.3
172.5°	1252.5	1253.2	1254.0	1254.2	1254.2	1254.2	1254.2	1259.8	1271.1	1279.5	1278.9
175°	1261.8	1261.8	1261.8	1261.8	1259.3	1255.9	1254.2	1257.7	1264.9	1270.2	1270.2
177.5°	1261.8	1261.8	1261.8	1261.8	1259.8	1257.2	1255.8	1258.6	1264.3	1268.6	1267.9
180°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1944.4	1939.0	1944.4	1940.8	1942.7	1937.2	1921.1	1915.7	1921.1	1926.5	1926.5
5°	1967.7	1964.1	1967.7	1967.7	1965.9	1962.3	1944.4	1940.8	1944.4	1946.2	1942.7
7.5°	1974.9	1969.5	1974.9	1971.4	1971.4	1967.7	1949.8	1946.2	1948.0	1953.3	1948.0
10°	1974.9	1969.5	1974.9	1973.1	1971.4	1967.7	1949.8	1942.7	1942.7	1948.0	1942.7
12.5°	1965.9	1962.3	1965.9	1962.3	1962.3	1958.8	1940.8	1933.6	1935.4	1937.2	1930.1
15°	1951.6	1946.2	1951.6	1948.0	1949.8	1944.4	1924.6	1917.5	1917.5	1921.1	1908.5
17.5°	1930.1	1922.9	1930.1	1928.3	1926.5	1922.9	1904.9	1897.8	1896.0	1897.8	1888.8
20°	1904.9	1899.6	1904.9	1903.2	1903.2	1896.0	1878.0	1869.1	1869.1	1869.1	1860.1
22.5°	1865.4	1860.1	1865.4	1869.1	1869.1	1867.3	1851.1	1838.6	1835.0	1835.0	1824.3
25°	1820.6	1815.3	1820.6	1820.6	1818.8	1820.6	1815.3	1808.1	1802.7	1797.3	1786.5
27.5°	1777.6	1774.0	1777.6	1774.0	1777.6	1772.2	1770.4	1768.6	1761.4	1756.1	1741.7
30°	1734.6	1730.9	1734.6	1730.9	1727.4	1723.8	1714.8	1711.2	1718.4	1714.8	1691.5
32.5°	1680.7	1677.2	1680.7	1680.7	1677.2	1677.2	1662.8	1657.4	1659.2	1669.9	1648.5
35°	1625.1	1619.7	1625.1	1623.3	1625.1	1619.7	1610.7	1609.0	1601.8	1614.4	1598.2
37.5°	1560.6	1555.2	1560.6	1560.6	1560.6	1564.1	1557.0	1551.5	1540.9	1557.0	1544.4
40°	1494.1	1487.0	1494.1	1492.4	1494.1	1497.8	1494.1	1490.6	1479.8	1492.4	1481.7
42.5°	1418.8	1417.0	1418.8	1420.7	1420.7	1427.8	1433.2	1426.0	1422.5	1413.5	1420.7
45°	1338.1	1334.6	1338.1	1341.7	1343.5	1347.1	1363.3	1363.3	1357.8	1343.5	1354.3
47.5°	1252.0	1243.1	1252.0	1262.8	1262.8	1268.1	1284.3	1296.8	1287.9	1269.9	1275.4
50°	1160.5	1162.3	1160.5	1167.7	1167.7	1187.5	1200.0	1212.6	1221.5	1200.0	1174.9
52.5°	1070.9	1069.1	1070.9	1076.2	1083.4	1092.3	1113.9	1126.5	1140.8	1128.3	1088.8
55°	981.2	984.7	981.2	983.0	986.5	992.0	1024.2	1036.8	1063.7	1047.5	1006.3
57.5°	891.5	886.1	891.5	895.1	896.8	902.3	929.1	952.5	968.6	970.4	920.2
60°	787.5	780.2	787.5	803.6	807.2	810.8	835.9	857.4	871.8	877.1	825.1
62.5°	696.0	683.4	696.0	706.7	713.9	722.9	740.8	773.1	785.7	787.5	713.9
65°	599.1	593.7	599.1	620.7	622.4	633.2	652.9	676.2	703.1	699.6	593.7
67.5°	511.2	511.2	511.2	525.5	536.3	541.7	566.8	577.6	611.7	615.2	495.0
70°	430.5	428.7	430.5	441.3	448.4	461.0	484.4	496.8	523.7	532.8	401.8
72.5°	353.4	351.6	353.4	362.3	369.5	380.3	400.0	414.4	437.6	448.4	312.1
75°	285.2	281.6	285.2	292.4	290.6	304.9	321.1	335.5	357.0	364.1	231.4
77.5°	218.9	218.9	218.9	226.0	226.0	240.3	247.6	265.5	278.1	288.7	170.4
80°	163.2	161.5	163.2	165.0	165.0	172.2	184.7	197.3	208.1	208.1	116.6
82.5°	114.8	111.2	114.8	114.8	114.8	118.4	125.5	129.2	136.3	141.7	73.5
85°	71.8	71.8	71.8	73.5	71.8	75.3	77.1	80.7	80.7	77.1	44.8
87.5°	46.6	44.8	46.6	44.8	44.8	43.1	43.1	43.1	41.3	39.5	25.1
90°	32.2	32.2	32.2	32.2	32.2	42.9	57.2	64.4	55.3	37.3	23.7
92.5°	128.9	103.3	128.9	154.5	160.9	228.1	317.6	362.4	318.3	229.8	163.5
95°	449.2	371.7	449.2	526.8	546.2	717.2	945.4	1059.4	894.8	565.5	318.4
97.5°	1076.5	929.0	1076.5	1224.0	1261.0	1369.1	1513.2	1585.3	1310.8	761.6	349.8
100°	1551.1	1375.3	1551.1	1726.9	1770.8	1762.9	1752.3	1747.1	1442.4	833.0	376.0
102.5°	2017.8	1867.3	2017.8	2168.3	2206.0	2068.2	1884.5	1792.8	1483.7	865.8	402.3
105°	2612.9	2532.0	2612.9	2693.8	2714.1	2405.3	1993.5	1787.7	1488.4	890.0	441.2
107.5°	3002.8	3022.3	3002.8	2983.2	2978.3	2547.6	1973.3	1686.0	1422.2	894.5	498.7
110°	3151.4	3235.8	3151.4	3067.1	3046.0	2564.5	1922.4	1601.3	1363.4	887.8	531.0





TEST NUMBER: P936063

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3164.7	3294.2	3164.7	3035.3	3002.9	2510.0	1852.9	1524.3	1312.2	888.1	569.9
115°	3080.7	3260.3	3080.7	2901.2	2856.3	2381.6	1748.5	1432.0	1253.4	896.2	628.4
117.5°	2902.9	3102.0	2902.9	2703.7	2653.9	2225.4	1654.2	1368.5	1216.6	912.9	685.1
120°	2759.5	2952.9	2759.5	2566.0	2517.6	2126.1	1604.1	1343.1	1204.2	926.4	718.2
122.5°	2619.8	2810.6	2619.8	2429.0	2381.3	2028.7	1558.7	1323.6	1197.7	945.9	757.1
125°	2420.6	2596.4	2420.6	2244.8	2200.9	1901.4	1502.1	1302.4	1192.4	972.1	807.0
127.5°	2241.5	2389.8	2241.5	2093.2	2056.1	1798.9	1456.0	1284.6	1189.2	998.4	855.3
130°	2135.9	2272.9	2135.9	1998.9	1964.7	1735.7	1430.5	1277.9	1191.2	1017.7	887.5
132.5°	2040.1	2162.8	2040.1	1917.4	1886.7	1681.8	1408.5	1271.9	1192.4	1033.2	913.8
135°	1908.9	2014.6	1908.9	1803.1	1776.7	1605.0	1376.2	1261.8	1191.2	1050.1	944.3
137.5°	1803.6	1890.2	1803.6	1717.0	1695.4	1550.3	1356.8	1260.1	1198.5	1075.5	983.2
140°	1731.3	1812.2	1731.3	1650.4	1630.2	1504.8	1337.7	1254.2	1199.8	1091.0	1009.4
142.5°	1671.5	1741.1	1671.5	1601.8	1584.4	1474.3	1327.6	1254.2	1204.1	1104.0	1028.9
145°	1581.7	1634.4	1581.7	1529.0	1515.9	1425.8	1305.7	1245.7	1204.1	1121.0	1058.6
147.5°	1512.8	1556.5	1512.8	1469.2	1458.2	1387.3	1292.9	1245.7	1212.4	1145.8	1095.8
150°	1469.4	1504.8	1469.4	1434.0	1425.2	1365.3	1285.6	1245.7	1216.7	1158.7	1115.2
152.5°	1432.3	1459.1	1432.3	1405.6	1398.9	1347.9	1279.7	1245.7	1219.5	1167.2	1128.0
155°	1389.7	1407.4	1389.7	1372.0	1367.6	1327.0	1272.7	1245.7	1225.8	1185.9	1155.9
157.5°	1356.1	1368.5	1356.1	1343.6	1340.5	1309.0	1266.8	1245.7	1231.9	1204.5	1183.9
160°	1335.9	1343.1	1335.9	1328.8	1327.0	1299.9	1263.8	1245.7	1234.7	1212.9	1196.5
162.5°	1322.7	1329.5	1322.7	1316.0	1314.3	1291.4	1260.9	1245.7	1237.8	1222.0	1210.1
165°	1303.7	1310.9	1303.7	1296.6	1294.8	1278.4	1256.6	1245.7	1242.1	1234.9	1229.6
167.5°	1290.1	1293.1	1290.1	1287.0	1286.3	1275.6	1261.3	1254.2	1251.2	1245.1	1240.6
170°	1286.3	1286.3	1286.3	1286.3	1286.3	1275.6	1261.3	1254.2	1254.0	1253.6	1253.3
172.5°	1276.3	1273.7	1276.3	1278.9	1279.5	1271.1	1259.8	1254.2	1254.2	1254.2	1254.2
175°	1270.2	1270.2	1270.2	1270.2	1270.2	1264.9	1257.7	1254.2	1255.9	1259.3	1261.8
177.5°	1264.8	1261.8	1264.8	1267.9	1268.6	1264.3	1258.6	1255.8	1257.2	1259.8	1261.8
180°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8



TEST NUMBER: P936063

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-400K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1922.9	1912.2	1912.2	1894.1	1887.0	1881.6	1872.7	1845.7	1838.6	1831.4	1842.2
5°	1939.0	1919.3	1904.9	1872.7	1845.7	1835.0	1800.9	1736.4	1693.3	1661.0	1643.0
7.5°	1942.7	1917.5	1890.6	1840.4	1775.8	1747.1	1643.0	1524.7	1492.4	1463.6	1445.7
10°	1939.0	1910.3	1872.7	1797.3	1644.9	1594.6	1490.6	1413.5	1393.8	1388.3	1393.8
12.5°	1926.5	1899.6	1847.5	1722.0	1508.5	1474.4	1413.5	1368.6	1365.1	1374.0	1422.5
15°	1904.9	1879.8	1818.8	1621.5	1433.2	1408.1	1365.1	1348.9	1368.6	1431.4	1576.7
17.5°	1883.5	1854.7	1779.4	1522.8	1375.8	1357.8	1327.3	1359.6	1470.9	1555.2	1603.6
20°	1854.7	1820.6	1734.6	1451.2	1334.6	1318.4	1304.1	1449.3	1533.6	1564.1	1591.0
22.5°	1820.6	1784.8	1673.6	1400.9	1291.5	1278.9	1287.9	1499.6	1533.6	1555.2	1578.5
25°	1775.8	1745.3	1601.8	1361.5	1257.4	1243.1	1277.2	1494.1	1513.9	1519.3	1565.9
27.5°	1734.6	1695.1	1526.5	1325.6	1216.2	1210.7	1286.1	1470.9	1485.2	1490.6	1540.9
30°	1684.3	1625.1	1442.2	1287.9	1173.1	1171.3	1287.9	1442.2	1438.6	1453.0	1503.1
32.5°	1632.3	1521.1	1347.1	1241.2	1131.8	1130.1	1275.4	1399.1	1395.5	1415.2	1453.0
35°	1583.9	1440.4	1218.0	1187.5	1079.9	1081.6	1244.9	1348.9	1350.7	1368.6	1392.0
37.5°	1533.6	1370.4	1076.2	1128.3	1029.6	1029.6	1203.6	1302.3	1298.6	1304.1	1336.3
40°	1474.4	1261.0	950.7	1051.2	983.0	977.6	1153.4	1252.0	1239.4	1237.7	1282.5
42.5°	1411.7	1140.8	857.4	948.9	929.1	922.0	1092.3	1191.0	1167.7	1173.1	1230.5
45°	1343.5	1108.6	785.7	801.8	873.6	868.1	1026.0	1121.0	1104.9	1119.3	1178.5
47.5°	1275.4	1043.9	762.3	665.5	814.4	812.6	952.5	1052.9	1043.9	1058.3	1121.0
50°	1182.0	972.2	760.5	570.4	748.0	755.2	864.6	986.5	986.5	999.1	1065.5
52.5°	1061.8	884.3	690.5	516.6	670.8	692.4	787.5	929.1	932.8	945.3	1004.5
55°	952.5	792.8	640.4	475.3	579.4	626.0	712.1	870.0	877.1	889.7	943.5
57.5°	852.0	660.1	629.6	426.9	495.0	539.9	645.7	812.6	816.2	827.0	878.9
60°	744.4	477.1	577.6	374.9	421.5	455.6	584.7	744.4	757.0	764.1	808.9
62.5°	622.4	346.2	523.7	339.0	385.7	392.8	534.5	679.9	696.0	701.3	728.3
65°	443.1	290.6	444.9	308.5	347.9	349.8	480.7	613.4	627.8	636.8	656.5
67.5°	299.5	236.8	339.0	279.8	319.3	321.1	428.7	536.3	556.0	563.2	575.8
70°	208.1	157.9	251.1	249.4	287.0	290.6	373.1	466.3	484.4	489.7	496.8
72.5°	152.4	127.4	208.1	224.2	252.9	256.5	315.7	387.4	405.4	410.8	414.4
75°	116.6	134.5	168.6	195.5	215.2	217.1	258.3	315.7	328.2	331.8	333.6
77.5°	93.2	125.5	123.7	157.9	175.8	172.2	202.7	243.9	254.7	254.7	254.7
80°	70.0	98.7	93.2	113.0	129.2	125.5	145.3	174.0	177.6	181.1	179.4
82.5°	52.0	62.8	62.8	71.8	86.1	82.6	96.9	113.0	113.0	113.0	116.6
85°	32.3	35.8	28.7	37.7	48.4	46.6	53.9	61.0	62.8	62.8	59.2
87.5°	19.7	16.1	9.0	14.4	21.5	21.5	25.1	26.9	25.1	25.1	25.1
90°	22.0	15.3	8.5	15.3	22.0	23.7	37.3	55.3	64.4	57.2	42.9
92.5°	149.1	91.4	33.9	91.4	149.1	163.5	229.8	318.3	362.4	317.6	228.1
95°	292.1	186.6	81.3	186.6	292.1	318.4	565.5	894.8	1059.4	945.4	717.2
97.5°	326.5	233.5	140.6	233.5	326.5	349.8	761.6	1310.8	1585.3	1513.2	1369.1
100°	354.9	270.6	186.3	270.6	354.9	376.0	833.0	1442.4	1747.1	1752.3	1762.9
102.5°	382.6	304.0	225.3	304.0	382.6	402.3	865.8	1483.7	1792.8	1884.5	2068.2
105°	424.5	357.9	291.3	357.9	424.5	441.2	890.0	1488.4	1787.7	1993.5	2405.3
107.5°	483.3	421.2	359.1	421.2	483.3	498.7	894.5	1422.2	1686.0	1973.3	2547.6
110°	516.9	460.9	404.8	460.9	516.9	531.0	887.8	1363.4	1601.3	1922.4	2564.5



TEST NUMBER: P936063

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	556.5	503.1	449.7	503.1	556.5	569.9	888.1	1312.2	1524.3	1852.9	2510.0
115°	616.1	566.7	517.4	566.7	616.1	628.4	896.2	1253.4	1432.0	1748.5	2381.6
117.5°	673.9	629.1	584.3	629.1	673.9	685.1	912.9	1216.6	1368.5	1654.2	2225.4
120°	707.7	665.5	623.3	665.5	707.7	718.2	926.4	1204.2	1343.1	1604.1	2126.1
122.5°	746.5	703.9	661.4	703.9	746.5	757.1	945.9	1197.7	1323.6	1558.7	2028.7
125°	797.4	758.5	719.8	758.5	797.4	807.0	972.1	1192.4	1302.4	1502.1	1901.4
127.5°	845.5	806.3	767.2	806.3	845.5	855.3	998.4	1189.2	1284.6	1456.0	1798.9
130°	877.0	834.8	792.6	834.8	877.0	887.5	1017.7	1191.2	1277.9	1430.5	1735.7
132.5°	903.3	861.1	818.9	861.1	903.3	913.8	1033.2	1192.4	1271.9	1408.5	1681.8
135°	934.7	896.2	857.8	896.2	934.7	944.3	1050.1	1191.2	1261.8	1376.2	1605.0
137.5°	973.7	935.7	897.6	935.7	973.7	983.2	1075.5	1198.5	1260.1	1356.8	1550.3
140°	1000.7	965.7	930.7	965.7	1000.7	1009.4	1091.0	1199.8	1254.2	1337.7	1504.8
142.5°	1020.8	988.4	956.0	988.4	1020.8	1028.9	1104.0	1204.1	1254.2	1327.6	1474.3
145°	1051.5	1023.3	995.0	1023.3	1051.5	1058.6	1121.0	1204.1	1245.7	1305.7	1425.8
147.5°	1088.9	1061.5	1034.0	1061.5	1088.9	1095.8	1145.8	1212.4	1245.7	1292.9	1387.3
150°	1109.0	1084.2	1059.4	1084.2	1109.0	1115.2	1158.7	1216.7	1245.7	1285.6	1365.3
152.5°	1123.3	1104.5	1085.7	1104.5	1123.3	1128.0	1167.2	1219.5	1245.7	1279.7	1347.9
155°	1152.5	1138.5	1124.6	1138.5	1152.5	1155.9	1185.9	1225.8	1245.7	1272.7	1327.0
157.5°	1180.5	1166.9	1153.4	1166.9	1180.5	1183.9	1204.5	1231.9	1245.7	1266.8	1309.0
160°	1193.9	1183.4	1172.9	1183.4	1193.9	1196.5	1212.9	1234.7	1245.7	1263.8	1299.9
162.5°	1208.1	1200.2	1192.4	1200.2	1208.1	1210.1	1222.0	1237.8	1245.7	1260.9	1291.4
165°	1227.8	1220.7	1213.5	1220.7	1227.8	1229.6	1234.9	1242.1	1245.7	1256.6	1278.4
167.5°	1239.8	1236.4	1233.0	1236.4	1239.8	1240.6	1245.1	1251.2	1254.2	1261.3	1275.6
170°	1252.5	1249.0	1245.7	1249.0	1252.5	1253.3	1253.6	1254.0	1254.2	1261.3	1275.6
172.5°	1254.0	1253.2	1252.5	1253.2	1254.0	1254.2	1254.2	1254.2	1254.2	1259.8	1271.1
175°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1259.3	1255.9	1254.2	1257.7	1264.9
177.5°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1259.8	1257.2	1255.8	1258.6	1264.3
180°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8



TEST NUMBER: P936063

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1829.6	1824.3	1831.4	1811.7	1831.4	1824.3	1829.6	1842.2	1831.4	1838.6	1845.7
5°	1605.4	1596.4	1567.7	1544.4	1567.7	1596.4	1605.4	1643.0	1661.0	1693.3	1736.4
7.5°	1435.0	1427.8	1420.7	1406.3	1420.7	1427.8	1435.0	1445.7	1463.6	1492.4	1524.7
10°	1397.3	1399.1	1409.9	1408.1	1409.9	1399.1	1397.3	1393.8	1388.3	1393.8	1413.5
12.5°	1494.1	1510.4	1569.5	1565.9	1569.5	1510.4	1494.1	1422.5	1374.0	1365.1	1368.6
15°	1605.4	1610.7	1623.3	1625.1	1623.3	1610.7	1605.4	1576.7	1431.4	1368.6	1348.9
17.5°	1616.2	1618.0	1626.9	1626.9	1626.9	1618.0	1616.2	1603.6	1555.2	1470.9	1359.6
20°	1607.2	1610.7	1628.7	1632.3	1628.7	1610.7	1607.2	1591.0	1564.1	1533.6	1449.3
22.5°	1603.6	1610.7	1625.1	1623.3	1625.1	1610.7	1603.6	1578.5	1555.2	1533.6	1499.6
25°	1585.7	1585.7	1587.5	1589.3	1587.5	1585.7	1585.7	1565.9	1519.3	1513.9	1494.1
27.5°	1548.0	1551.5	1562.3	1560.6	1562.3	1551.5	1548.0	1540.9	1490.6	1485.2	1470.9
30°	1513.9	1510.4	1501.4	1494.1	1501.4	1510.4	1513.9	1503.1	1453.0	1438.6	1442.2
32.5°	1456.5	1447.5	1438.6	1433.2	1438.6	1447.5	1456.5	1453.0	1415.2	1395.5	1399.1
35°	1388.3	1390.1	1388.3	1383.0	1388.3	1390.1	1388.3	1392.0	1368.6	1350.7	1348.9
37.5°	1339.9	1343.5	1341.7	1334.6	1341.7	1343.5	1339.9	1336.3	1304.1	1298.6	1302.3
40°	1289.7	1291.5	1289.7	1284.3	1289.7	1291.5	1289.7	1282.5	1237.7	1239.4	1252.0
42.5°	1241.2	1239.4	1234.1	1230.5	1234.1	1239.4	1241.2	1230.5	1173.1	1167.7	1191.0
45°	1185.7	1187.5	1176.7	1171.3	1176.7	1187.5	1185.7	1178.5	1119.3	1104.9	1121.0
47.5°	1130.1	1130.1	1121.0	1115.7	1121.0	1130.1	1130.1	1121.0	1058.3	1043.9	1052.9
50°	1070.9	1069.1	1056.5	1054.7	1056.5	1069.1	1070.9	1065.5	999.1	986.5	986.5
52.5°	1002.7	1002.7	1004.5	1008.1	1004.5	1002.7	1002.7	1004.5	945.3	932.8	929.1
55°	943.5	945.3	957.8	961.5	957.8	945.3	943.5	943.5	889.7	877.1	870.0
57.5°	882.5	882.5	891.5	891.5	891.5	882.5	882.5	878.9	827.0	816.2	812.6
60°	812.6	816.2	823.3	821.5	823.3	816.2	812.6	808.9	764.1	757.0	744.4
62.5°	739.0	742.6	744.4	740.8	744.4	742.6	739.0	728.3	701.3	696.0	679.9
65°	661.9	665.5	667.3	663.7	667.3	665.5	661.9	656.5	636.8	627.8	613.4
67.5°	582.9	581.2	579.4	586.5	579.4	581.2	582.9	575.8	563.2	556.0	536.3
70°	502.3	502.3	500.5	504.0	500.5	502.3	502.3	496.8	489.7	484.4	466.3
72.5°	416.1	414.4	421.5	416.1	421.5	414.4	416.1	414.4	410.8	405.4	387.4
75°	331.8	335.5	331.8	337.3	331.8	335.5	331.8	333.6	331.8	328.2	315.7
77.5°	252.9	256.5	252.9	252.9	252.9	256.5	252.9	254.7	254.7	254.7	243.9
80°	179.4	177.6	177.6	175.8	177.6	177.6	179.4	179.4	181.1	177.6	174.0
82.5°	114.8	113.0	113.0	116.6	113.0	113.0	114.8	116.6	113.0	113.0	113.0
85°	62.8	64.5	61.0	61.0	61.0	64.5	62.8	59.2	62.8	62.8	61.0
87.5°	23.4	21.5	21.5	21.5	21.5	21.5	23.4	25.1	25.1	25.1	26.9
90°	32.2	32.2	32.2	32.2	32.2	32.2	32.2	42.9	57.2	64.4	55.3
92.5°	160.9	154.5	128.9	103.3	128.9	154.5	160.9	228.1	317.6	362.4	318.3
95°	546.2	526.8	449.2	371.7	449.2	526.8	546.2	717.2	945.4	1059.4	894.8
97.5°	1261.0	1224.0	1076.5	929.0	1076.5	1224.0	1261.0	1369.1	1513.2	1585.3	1310.8
100°	1770.8	1726.9	1551.1	1375.3	1551.1	1726.9	1770.8	1762.9	1752.3	1747.1	1442.4
102.5°	2206.0	2168.3	2017.8	1867.3	2017.8	2168.3	2206.0	2068.2	1884.5	1792.8	1483.7
105°	2714.1	2693.8	2612.9	2532.0	2612.9	2693.8	2714.1	2405.3	1993.5	1787.7	1488.4
107.5°	2978.3	2983.2	3002.8	3022.3	3002.8	2983.2	2978.3	2547.6	1973.3	1686.0	1422.2
110°	3046.0	3067.1	3151.4	3235.8	3151.4	3067.1	3046.0	2564.5	1922.4	1601.3	1363.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3002.9	3035.3	3164.7	3294.2	3164.7	3035.3	3002.9	2510.0	1852.9	1524.3	1312.2
115°	2856.3	2901.2	3080.7	3260.3	3080.7	2901.2	2856.3	2381.6	1748.5	1432.0	1253.4
117.5°	2653.9	2703.7	2902.9	3102.0	2902.9	2703.7	2653.9	2225.4	1654.2	1368.5	1216.6
120°	2517.6	2566.0	2759.5	2952.9	2759.5	2566.0	2517.6	2126.1	1604.1	1343.1	1204.2
122.5°	2381.3	2429.0	2619.8	2810.6	2619.8	2429.0	2381.3	2028.7	1558.7	1323.6	1197.7
125°	2200.9	2244.8	2420.6	2596.4	2420.6	2244.8	2200.9	1901.4	1502.1	1302.4	1192.4
127.5°	2056.1	2093.2	2241.5	2389.8	2241.5	2093.2	2056.1	1798.9	1456.0	1284.6	1189.2
130°	1964.7	1998.9	2135.9	2272.9	2135.9	1998.9	1964.7	1735.7	1430.5	1277.9	1191.2
132.5°	1886.7	1917.4	2040.1	2162.8	2040.1	1917.4	1886.7	1681.8	1408.5	1271.9	1192.4
135°	1776.7	1803.1	1908.9	2014.6	1908.9	1803.1	1776.7	1605.0	1376.2	1261.8	1191.2
137.5°	1695.4	1717.0	1803.6	1890.2	1803.6	1717.0	1695.4	1550.3	1356.8	1260.1	1198.5
140°	1630.2	1650.4	1731.3	1812.2	1731.3	1650.4	1630.2	1504.8	1337.7	1254.2	1199.8
142.5°	1584.4	1601.8	1671.5	1741.1	1671.5	1601.8	1584.4	1474.3	1327.6	1254.2	1204.1
145°	1515.9	1529.0	1581.7	1634.4	1581.7	1529.0	1515.9	1425.8	1305.7	1245.7	1204.1
147.5°	1458.2	1469.2	1512.8	1556.5	1512.8	1469.2	1458.2	1387.3	1292.9	1245.7	1212.4
150°	1425.2	1434.0	1469.4	1504.8	1469.4	1434.0	1425.2	1365.3	1285.6	1245.7	1216.7
152.5°	1398.9	1405.6	1432.3	1459.1	1432.3	1405.6	1398.9	1347.9	1279.7	1245.7	1219.5
155°	1367.6	1372.0	1389.7	1407.4	1389.7	1372.0	1367.6	1327.0	1272.7	1245.7	1225.8
157.5°	1340.5	1343.6	1356.1	1368.5	1356.1	1343.6	1340.5	1309.0	1266.8	1245.7	1231.9
160°	1327.0	1328.8	1335.9	1343.1	1335.9	1328.8	1327.0	1299.9	1263.8	1245.7	1234.7
162.5°	1314.3	1316.0	1322.7	1329.5	1322.7	1316.0	1314.3	1291.4	1260.9	1245.7	1237.8
165°	1294.8	1296.6	1303.7	1310.9	1303.7	1296.6	1294.8	1278.4	1256.6	1245.7	1242.1
167.5°	1286.3	1287.0	1290.1	1293.1	1290.1	1287.0	1286.3	1275.6	1261.3	1254.2	1251.2
170°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1275.6	1261.3	1254.2	1254.0
172.5°	1279.5	1278.9	1276.3	1273.7	1276.3	1278.9	1279.5	1271.1	1259.8	1254.2	1254.2
175°	1270.2	1270.2	1270.2	1270.2	1270.2	1270.2	1270.2	1264.9	1257.7	1254.2	1255.9
177.5°	1268.6	1267.9	1264.8	1261.8	1264.8	1267.9	1268.6	1264.3	1258.6	1255.8	1257.2
180°	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8	1261.8



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1896.0	1896.0	1896.0	1896.0	1896.0
2.5°	1872.7	1881.6	1887.0	1894.1	1912.2
5°	1800.9	1835.0	1845.7	1872.7	1904.9
7.5°	1643.0	1747.1	1775.8	1840.4	1890.6
10°	1490.6	1594.6	1644.9	1797.3	1872.7
12.5°	1413.5	1474.4	1508.5	1722.0	1847.5
15°	1365.1	1408.1	1433.2	1621.5	1818.8
17.5°	1327.3	1357.8	1375.8	1522.8	1779.4
20°	1304.1	1318.4	1334.6	1451.2	1734.6
22.5°	1287.9	1278.9	1291.5	1400.9	1673.6
25°	1277.2	1243.1	1257.4	1361.5	1601.8
27.5°	1286.1	1210.7	1216.2	1325.6	1526.5
30°	1287.9	1171.3	1173.1	1287.9	1442.2
32.5°	1275.4	1130.1	1131.8	1241.2	1347.1
35°	1244.9	1081.6	1079.9	1187.5	1218.0
37.5°	1203.6	1029.6	1029.6	1128.3	1076.2
40°	1153.4	977.6	983.0	1051.2	950.7
42.5°	1092.3	922.0	929.1	948.9	857.4
45°	1026.0	868.1	873.6	801.8	785.7
47.5°	952.5	812.6	814.4	665.5	762.3
50°	864.6	755.2	748.0	570.4	760.5
52.5°	787.5	692.4	670.8	516.6	690.5
55°	712.1	626.0	579.4	475.3	640.4
57.5°	645.7	539.9	495.0	426.9	629.6
60°	584.7	455.6	421.5	374.9	577.6
62.5°	534.5	392.8	385.7	339.0	523.7
65°	480.7	349.8	347.9	308.5	444.9
67.5°	428.7	321.1	319.3	279.8	339.0
70°	373.1	290.6	287.0	249.4	251.1
72.5°	315.7	256.5	252.9	224.2	208.1
75°	258.3	217.1	215.2	195.5	168.6
77.5°	202.7	172.2	175.8	157.9	123.7
80°	145.3	125.5	129.2	113.0	93.2
82.5°	96.9	82.6	86.1	71.8	62.8
85°	53.9	46.6	48.4	37.7	28.7
87.5°	25.1	21.5	21.5	14.4	9.0
90°	37.3	23.7	22.0	15.3	8.5
92.5°	229.8	163.5	149.1	91.4	33.9
95°	565.5	318.4	292.1	186.6	81.3
97.5°	761.6	349.8	326.5	233.5	140.6
100°	833.0	376.0	354.9	270.6	186.3
102.5°	865.8	402.3	382.6	304.0	225.3
105°	890.0	441.2	424.5	357.9	291.3
107.5°	894.5	498.7	483.3	421.2	359.1
110°	887.8	531.0	516.9	460.9	404.8



TEST NUMBER: P936063

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	888.1	569.9	556.5	503.1	449.7
115°	896.2	628.4	616.1	566.7	517.4
117.5°	912.9	685.1	673.9	629.1	584.3
120°	926.4	718.2	707.7	665.5	623.3
122.5°	945.9	757.1	746.5	703.9	661.4
125°	972.1	807.0	797.4	758.5	719.8
127.5°	998.4	855.3	845.5	806.3	767.2
130°	1017.7	887.5	877.0	834.8	792.6
132.5°	1033.2	913.8	903.3	861.1	818.9
135°	1050.1	944.3	934.7	896.2	857.8
137.5°	1075.5	983.2	973.7	935.7	897.6
140°	1091.0	1009.4	1000.7	965.7	930.7
142.5°	1104.0	1028.9	1020.8	988.4	956.0
145°	1121.0	1058.6	1051.5	1023.3	995.0
147.5°	1145.8	1095.8	1088.9	1061.5	1034.0
150°	1158.7	1115.2	1109.0	1084.2	1059.4
152.5°	1167.2	1128.0	1123.3	1104.5	1085.7
155°	1185.9	1155.9	1152.5	1138.5	1124.6
157.5°	1204.5	1183.9	1180.5	1166.9	1153.4
160°	1212.9	1196.5	1193.9	1183.4	1172.9
162.5°	1222.0	1210.1	1208.1	1200.2	1192.4
165°	1234.9	1229.6	1227.8	1220.7	1213.5
167.5°	1245.1	1240.6	1239.8	1236.4	1233.0
170°	1253.6	1253.3	1252.5	1249.0	1245.7
172.5°	1254.2	1254.2	1254.0	1253.2	1252.5
175°	1259.3	1261.8	1261.8	1261.8	1261.8
177.5°	1259.8	1261.8	1261.8	1261.8	1261.8
180°	1261.8	1261.8	1261.8	1261.8	1261.8



TEST NUMBER: P936063  
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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	12.08	12.84	13.14	13.90	15.34	14.91	15.67	15.97	16.73	18.17
	3H	12.55	13.23	13.62	14.30	15.76	16.24	16.92	17.31	17.99	19.45
	4H	12.74	13.38	13.82	14.46	15.92	16.68	17.33	17.76	18.40	19.86
	6H	12.85	13.45	13.94	14.52	16.00	16.96	17.55	18.05	18.63	20.10
	8H	12.85	13.42	13.94	14.51	15.98	17.03	17.60	18.12	18.69	20.16
	12H	12.82	13.36	13.92	14.44	15.93	17.07	17.60	18.16	18.69	20.18
4H	2H	13.10	13.75	14.19	14.82	16.28	15.31	15.95	16.39	17.02	18.48
	3H	14.12	14.66	15.21	15.76	17.23	16.80	17.34	17.89	18.44	19.91
	4H	14.39	14.88	15.49	15.97	17.47	17.32	17.82	18.42	18.90	20.40
	6H	14.51	14.93	15.62	16.05	17.54	17.68	18.10	18.79	19.22	20.71
	8H	14.51	14.91	15.62	16.01	17.52	17.78	18.18	18.89	19.28	20.79
	12H	14.48	14.83	15.60	15.95	17.46	17.83	18.19	18.96	19.31	20.82
8H	4H	14.84	15.23	15.94	16.33	17.84	17.44	17.83	18.54	18.94	20.44
	6H	15.09	15.42	16.22	16.57	18.07	17.87	18.20	19.00	19.34	20.84
	8H	15.14	15.42	16.27	16.55	18.07	18.02	18.30	19.15	19.43	20.96
	12H	15.11	15.37	16.25	16.49	18.05	18.11	18.36	19.25	19.49	21.05
12H	4H	14.84	15.19	15.96	16.31	17.82	17.40	17.76	18.52	18.87	20.38
	6H	15.15	15.44	16.29	16.57	18.09	17.87	18.15	19.00	19.28	20.80
	8H	15.21	15.47	16.35	16.59	18.15	18.02	18.27	19.16	19.40	20.96