

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: P936037

Luminaire Tested: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-2700K

Issue Date: 12/17/2024

**Test Information**

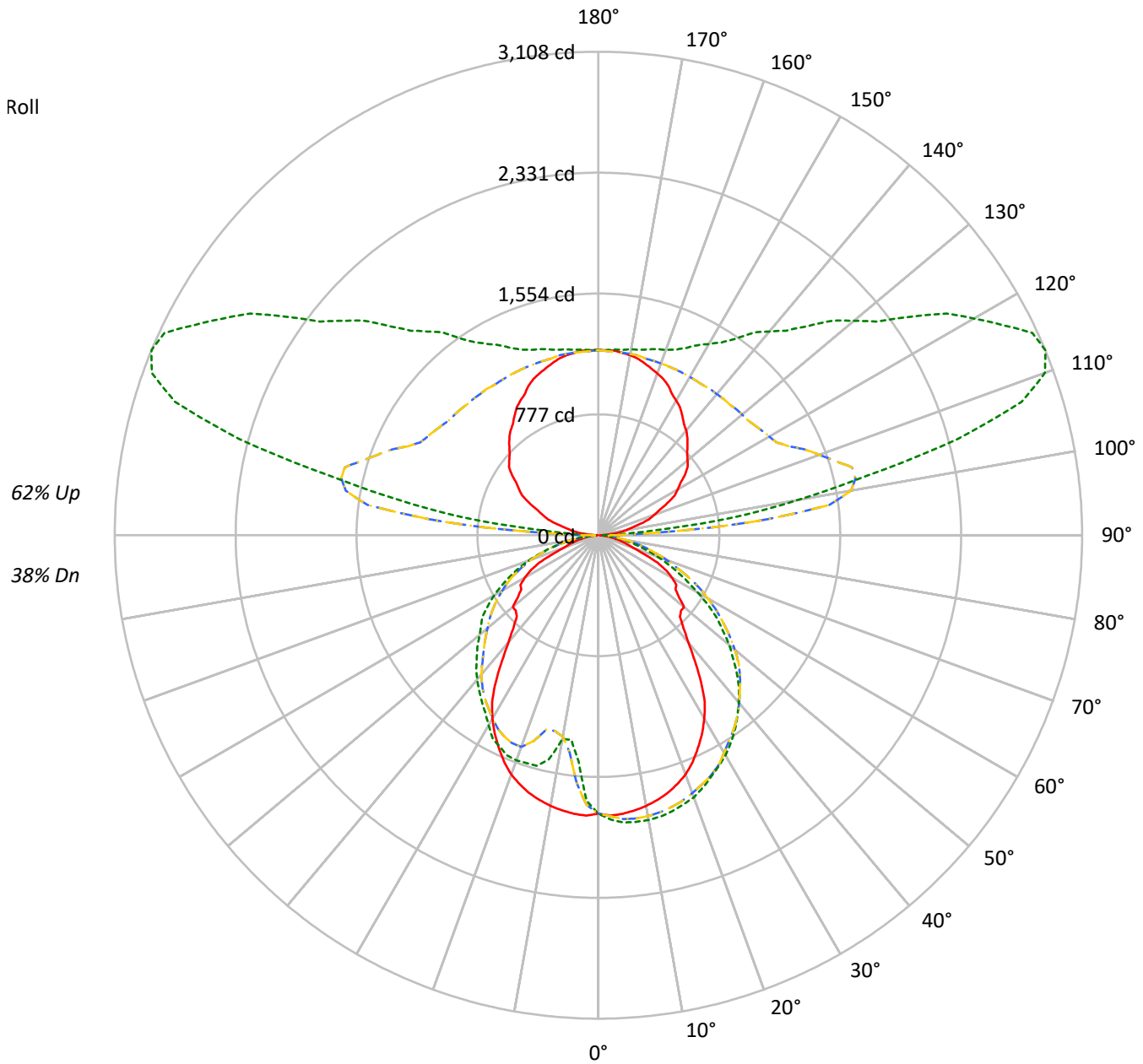
Test Method: LM-79-2019  
Report Number: P936037  
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12361.8 lumens  
Efficiency: N/A  
Efficacy: 113.8 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 (A<sub>in</sub>): 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
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°	11068	11068	11068	11068
5°	11146	11172	11146	8785
10°	11068	11005	11068	7868
15°	10943	10767	10943	8990
20°	10710	10484	10710	9009
25°	10237	10073	10237	8818
30°	9628	9730	9628	8399
35°	8579	9297	8579	7938
40°	7145	8789	7145	7590
45°	6380	8192	6380	7190
50°	6772	7481	6772	6788
55°	6366	6715	6366	6557
60°	6554	5703	6554	6005
65°	5933	4714	5933	5269
70°	4097	3757	4097	4417
75°	3580	2777	3580	3326
80°	2864	1837	2864	2000
85°	1616	972	1616	827

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 9784 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.5	1.3
10°-20°	458.5	3.7
20°-30°	708.8	5.7
30°-40°	846.2	6.8
40°-50°	851.1	6.9
50°-60°	740.6	6.0
60°-70°	525.1	4.2
70°-80°	277.8	2.2
80°-90°	73.7	0.6
90°-100°	580.4	4.7
100°-110°	1525.8	12.3
110°-120°	1582.1	12.8
120°-130°	1269.1	10.3
130°-140°	995.8	8.1
140°-150°	764.3	6.2
150°-160°	550.4	4.5
160°-170°	336.8	2.7
170°-180°	113.8	0.9
0°-30°	1328.8	10.7
0°-40°	2175.0	17.6
0°-60°	3766.7	30.5
0°-90°	4643.3	37.6
90°-120°	3688.4	29.8
90°-150°	6717.5	54.3
90°-180°	7719.0	62.4
0°-180°	12361.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1789	1789	1789	1789	1789	
5°	1798	1853	1798	1457	1798	171
15°	1716	1836	1716	1534	1716	483
25°	1512	1713	1512	1500	1512	694
35°	1149	1528	1149	1305	1149	711
45°	741	1259	741	1105	741	594
55°	604	929	604	907	604	555
65°	420	560	420	626	420	401
75°	159	266	159	318	159	167
85°	27	68	27	58	27	37
90°	8	30	8	30	8	8
95°	77	351	77	351	77	85
105°	275	2389	275	2389	275	291
115°	488	3076	488	3076	488	482
125°	679	2450	679	2450	679	603
135°	810	1901	810	1901	810	626
145°	939	1542	939	1542	939	588
155°	1061	1328	1061	1328	1061	488
165°	1145	1237	1145	1237	1145	323
175°	1191	1191	1191	1191	1191	113
180°	1191	1191	1191	1191	1191	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1
2.5°	1804.3	1804.3	1814.5	1817.8	1817.8	1812.8	1807.7	1812.8	1828.0	1833.1	1831.4
5°	1797.5	1811.1	1829.7	1833.1	1836.5	1834.8	1831.4	1834.8	1851.7	1855.1	1856.8
7.5°	1784.0	1809.4	1833.1	1838.2	1843.2	1838.2	1836.5	1839.9	1856.8	1860.2	1860.2
10°	1767.1	1802.6	1829.7	1833.1	1838.2	1833.1	1833.1	1839.9	1856.8	1860.2	1861.8
12.5°	1743.4	1792.5	1817.8	1821.3	1828.0	1826.3	1824.6	1831.4	1848.3	1851.7	1851.7
15°	1716.3	1773.9	1797.5	1800.9	1812.8	1809.4	1809.4	1816.1	1834.8	1839.9	1838.2
17.5°	1679.0	1750.1	1777.3	1782.3	1790.8	1789.1	1790.8	1797.5	1814.5	1817.8	1819.5
20°	1636.8	1718.0	1750.1	1755.2	1763.7	1763.7	1763.7	1772.1	1789.1	1795.9	1795.9
22.5°	1579.2	1684.2	1718.0	1721.4	1731.6	1731.6	1734.9	1746.8	1762.0	1763.7	1763.7
25°	1511.5	1646.9	1675.7	1685.8	1696.0	1701.1	1706.1	1713.0	1718.0	1716.3	1718.0
27.5°	1440.4	1599.5	1636.8	1643.5	1657.1	1662.1	1668.9	1670.6	1672.3	1677.3	1674.0
30°	1360.9	1533.5	1589.4	1596.1	1618.1	1621.5	1614.7	1618.1	1626.6	1630.0	1633.3
32.5°	1271.1	1435.4	1540.2	1555.5	1575.8	1565.6	1564.0	1569.0	1582.6	1582.6	1585.9
35°	1149.3	1359.2	1494.6	1508.1	1523.3	1511.5	1518.3	1519.9	1528.4	1533.5	1531.8
37.5°	1015.6	1293.1	1447.1	1457.3	1469.2	1454.0	1464.1	1469.2	1475.9	1472.6	1472.6
40°	897.1	1189.9	1391.3	1398.1	1408.3	1396.4	1406.6	1409.9	1413.3	1409.9	1408.3
42.5°	809.0	1076.5	1332.1	1340.6	1333.8	1342.3	1345.6	1352.4	1347.3	1340.6	1340.6
45°	741.4	1046.1	1267.8	1277.9	1267.8	1281.3	1286.4	1286.4	1271.1	1267.8	1266.1
47.5°	719.3	985.1	1203.5	1203.5	1198.3	1215.3	1223.7	1211.9	1196.6	1191.6	1191.6
50°	717.6	917.4	1115.4	1108.7	1132.3	1152.6	1144.2	1132.3	1120.5	1101.9	1101.9
52.5°	651.6	834.5	1002.0	1027.4	1064.7	1076.5	1063.0	1051.1	1030.8	1022.3	1015.6
55°	604.3	748.1	898.8	949.5	988.5	1003.7	978.3	966.4	936.0	930.9	927.6
57.5°	594.1	622.9	804.0	868.3	915.7	914.0	898.8	876.8	851.4	846.3	844.6
60°	545.0	450.2	702.4	778.6	827.7	822.6	809.0	788.8	765.0	761.7	758.3
62.5°	494.2	326.7	587.3	673.7	743.1	741.4	729.5	699.0	682.1	673.7	666.9
65°	419.8	274.2	418.1	560.2	660.2	663.5	638.1	616.1	597.5	587.3	585.7
67.5°	319.9	223.4	282.6	467.1	580.6	577.2	545.0	534.9	511.2	506.1	495.9
70°	236.9	149.0	196.4	379.1	502.7	494.2	468.8	457.0	435.0	423.1	416.4
72.5°	196.4	120.2	143.8	294.5	423.1	413.0	391.0	377.4	358.8	348.7	341.9
75°	159.1	126.9	110.0	218.3	343.6	336.9	316.5	303.0	287.8	274.2	275.9
77.5°	116.8	118.5	88.0	160.8	272.5	262.4	250.5	233.6	226.8	213.3	213.3
80°	88.0	93.1	66.0	110.0	196.4	196.4	186.2	174.3	162.5	155.7	155.7
82.5°	59.3	59.3	49.1	69.4	133.8	128.6	121.9	118.5	111.7	108.3	108.3
85°	27.1	33.8	30.5	42.3	72.8	76.2	76.2	72.8	71.1	67.7	69.4
87.5°	8.5	15.2	18.6	23.7	37.2	38.9	40.7	40.7	40.7	42.3	42.3
90°	8.0	14.4	20.8	22.4	35.2	52.2	60.7	54.0	40.5	30.4	30.4
92.5°	31.9	86.3	140.7	154.3	216.9	300.3	342.0	299.7	215.2	151.9	145.8
95°	76.7	176.1	275.6	300.5	533.6	844.3	999.7	892.1	676.8	515.4	497.1
97.5°	132.6	220.4	308.1	330.0	718.7	1236.9	1495.9	1427.9	1291.9	1189.9	1155.0
100°	175.8	255.4	334.9	354.8	786.1	1361.1	1648.6	1653.5	1663.5	1670.9	1629.5
102.5°	212.6	286.8	361.0	379.6	817.0	1400.1	1691.7	1778.3	1951.6	2081.6	2046.1
105°	274.9	337.7	400.6	416.3	839.9	1404.5	1686.9	1881.1	2269.7	2561.1	2542.0
107.5°	338.8	397.4	456.0	470.6	844.0	1342.0	1591.0	1862.0	2403.9	2810.4	2815.0
110°	382.0	434.9	487.8	501.0	837.7	1286.6	1511.0	1814.0	2419.9	2874.3	2894.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	424.3	474.7	525.1	537.8	838.0	1238.2	1438.4	1748.4	2368.5	2833.6	2864.1
115°	488.2	534.8	581.3	592.9	845.7	1182.7	1351.2	1649.9	2247.3	2695.3	2737.7
117.5°	551.3	593.6	635.9	646.5	861.5	1148.0	1291.4	1560.9	2100.0	2504.3	2551.3
120°	588.2	628.0	667.8	677.7	874.2	1136.3	1267.4	1513.7	2006.3	2375.7	2421.3
122.5°	624.1	664.3	704.4	714.4	892.6	1130.2	1249.0	1470.8	1914.4	2247.0	2292.1
125°	679.2	715.8	752.4	761.5	917.3	1125.1	1229.0	1417.4	1794.2	2076.8	2118.2
127.5°	724.0	760.9	797.8	807.1	942.1	1122.2	1212.2	1374.0	1697.5	1940.2	1975.2
130°	748.0	787.8	827.6	837.5	960.3	1124.0	1205.9	1349.9	1637.9	1853.9	1886.2
132.5°	772.7	812.5	852.3	862.2	974.9	1125.1	1200.2	1329.1	1587.0	1780.3	1809.3
135°	809.5	845.7	882.0	891.0	990.9	1124.0	1190.7	1298.6	1514.5	1676.5	1701.4
137.5°	847.0	882.9	918.8	927.8	1014.9	1131.0	1189.0	1280.3	1462.9	1599.8	1620.2
140°	878.2	911.3	944.2	952.5	1029.5	1132.1	1183.5	1262.3	1420.0	1538.3	1557.3
142.5°	902.1	932.7	963.3	970.9	1041.8	1136.2	1183.5	1252.7	1391.2	1495.1	1511.5
145°	938.9	965.6	992.2	998.9	1057.8	1136.2	1175.5	1232.1	1345.4	1430.4	1442.8
147.5°	975.7	1001.6	1027.5	1034.0	1081.2	1144.0	1175.5	1220.0	1309.1	1376.0	1386.3
150°	999.7	1023.1	1046.5	1052.4	1093.4	1148.1	1175.5	1213.1	1288.4	1344.8	1353.2
152.5°	1024.4	1042.2	1060.0	1064.4	1101.4	1150.8	1175.5	1207.6	1271.9	1320.1	1326.4
155°	1061.2	1074.3	1087.5	1090.7	1119.0	1156.7	1175.5	1201.0	1252.2	1290.5	1294.7
157.5°	1088.3	1101.1	1114.0	1117.1	1136.6	1162.5	1175.5	1195.4	1235.2	1265.0	1267.9
160°	1106.8	1116.7	1126.6	1129.1	1144.5	1165.1	1175.5	1192.5	1226.6	1252.2	1253.9
162.5°	1125.1	1132.6	1140.0	1141.9	1153.1	1168.0	1175.5	1189.8	1218.6	1240.2	1241.8
165°	1145.1	1151.9	1158.5	1160.2	1165.3	1172.0	1175.5	1185.8	1206.4	1221.8	1223.5
167.5°	1163.5	1166.7	1169.9	1170.7	1174.9	1180.7	1183.5	1190.2	1203.7	1213.8	1214.5
170°	1175.5	1178.6	1181.9	1182.6	1182.9	1183.3	1183.5	1190.2	1203.7	1213.8	1213.8
172.5°	1181.9	1182.5	1183.3	1183.5	1183.5	1183.5	1183.5	1188.8	1199.5	1207.4	1206.8
175°	1190.7	1190.7	1190.7	1190.7	1188.3	1185.1	1183.5	1186.8	1193.6	1198.6	1198.6
177.5°	1190.7	1190.7	1190.7	1190.7	1188.8	1186.3	1185.0	1187.7	1193.0	1197.1	1196.4
180°	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1
2.5°	1834.8	1829.7	1834.8	1831.4	1833.1	1828.0	1812.8	1807.7	1812.8	1817.8	1817.8
5°	1856.8	1853.4	1856.8	1856.8	1855.1	1851.7	1834.8	1831.4	1834.8	1836.5	1833.1
7.5°	1863.5	1858.5	1863.5	1860.2	1860.2	1856.8	1839.9	1836.5	1838.2	1843.2	1838.2
10°	1863.5	1858.5	1863.5	1861.8	1860.2	1856.8	1839.9	1833.1	1833.1	1838.2	1833.1
12.5°	1855.1	1851.7	1855.1	1851.7	1851.7	1848.3	1831.4	1824.6	1826.3	1828.0	1821.3
15°	1841.6	1836.5	1841.6	1838.2	1839.9	1834.8	1816.1	1809.4	1809.4	1812.8	1800.9
17.5°	1821.3	1814.5	1821.3	1819.5	1817.8	1814.5	1797.5	1790.8	1789.1	1790.8	1782.3
20°	1797.5	1792.5	1797.5	1795.9	1795.9	1789.1	1772.1	1763.7	1763.7	1763.7	1755.2
22.5°	1760.3	1755.2	1760.3	1763.7	1763.7	1762.0	1746.8	1734.9	1731.6	1731.6	1721.4
25°	1718.0	1713.0	1718.0	1718.0	1716.3	1718.0	1713.0	1706.1	1701.1	1696.0	1685.8
27.5°	1677.3	1674.0	1677.3	1674.0	1677.3	1672.3	1670.6	1668.9	1662.1	1657.1	1643.5
30°	1636.8	1633.3	1636.8	1633.3	1630.0	1626.6	1618.1	1614.7	1621.5	1618.1	1596.1
32.5°	1585.9	1582.6	1585.9	1585.9	1582.6	1582.6	1569.0	1564.0	1565.6	1575.8	1555.5
35°	1533.5	1528.4	1533.5	1531.8	1533.5	1528.4	1519.9	1518.3	1511.5	1523.3	1508.1
37.5°	1472.6	1467.5	1472.6	1472.6	1472.6	1475.9	1469.2	1464.1	1454.0	1469.2	1457.3
40°	1409.9	1403.2	1409.9	1408.3	1409.9	1413.3	1409.9	1406.6	1396.4	1408.3	1398.1
42.5°	1338.8	1337.1	1338.8	1340.6	1340.6	1347.3	1352.4	1345.6	1342.3	1333.8	1340.6
45°	1262.7	1259.3	1262.7	1266.1	1267.8	1271.1	1286.4	1286.4	1281.3	1267.8	1277.9
47.5°	1181.4	1173.0	1181.4	1191.6	1191.6	1196.6	1211.9	1223.7	1215.3	1198.3	1203.5
50°	1095.1	1096.8	1095.1	1101.9	1101.9	1120.5	1132.3	1144.2	1152.6	1132.3	1108.7
52.5°	1010.5	1008.8	1010.5	1015.6	1022.3	1030.8	1051.1	1063.0	1076.5	1064.7	1027.4
55°	925.9	929.2	925.9	927.6	930.9	936.0	966.4	978.3	1003.7	988.5	949.5
57.5°	841.2	836.1	841.2	844.6	846.3	851.4	876.8	898.8	914.0	915.7	868.3
60°	743.1	736.3	743.1	758.3	761.7	765.0	788.8	809.0	822.6	827.7	778.6
62.5°	656.7	644.9	656.7	666.9	673.7	682.1	699.0	729.5	741.4	743.1	673.7
65°	565.3	560.2	565.3	585.7	587.3	597.5	616.1	638.1	663.5	660.2	560.2
67.5°	482.4	482.4	482.4	495.9	506.1	511.2	534.9	545.0	577.2	580.6	467.1
70°	406.2	404.5	406.2	416.4	423.1	435.0	457.0	468.8	494.2	502.7	379.1
72.5°	333.5	331.7	333.5	341.9	348.7	358.8	377.4	391.0	413.0	423.1	294.5
75°	269.1	265.7	269.1	275.9	274.2	287.8	303.0	316.5	336.9	343.6	218.3
77.5°	206.5	206.5	206.5	213.3	213.3	226.8	233.6	250.5	262.4	272.5	160.8
80°	154.0	152.4	154.0	155.7	155.7	162.5	174.3	186.2	196.4	196.4	110.0
82.5°	108.3	105.0	108.3	108.3	108.3	111.7	118.5	121.9	128.6	133.8	69.4
85°	67.7	67.7	67.7	69.4	67.7	71.1	72.8	76.2	76.2	72.8	42.3
87.5°	44.0	42.3	44.0	42.3	42.3	40.7	40.7	40.7	38.9	37.2	23.7
90°	30.4	30.4	30.4	30.4	30.4	40.5	54.0	60.7	52.2	35.2	22.4
92.5°	121.6	97.5	121.6	145.8	151.9	215.2	299.7	342.0	300.3	216.9	154.3
95°	423.9	350.8	423.9	497.1	515.4	676.8	892.1	999.7	844.3	533.6	300.5
97.5°	1015.8	876.6	1015.8	1155.0	1189.9	1291.9	1427.9	1495.9	1236.9	718.7	330.0
100°	1463.6	1297.8	1463.6	1629.5	1670.9	1663.5	1653.5	1648.6	1361.1	786.1	354.8
102.5°	1904.0	1762.0	1904.0	2046.1	2081.6	1951.6	1778.3	1691.7	1400.1	817.0	379.6
105°	2465.6	2389.3	2465.6	2542.0	2561.1	2269.7	1881.1	1686.9	1404.5	839.9	416.3
107.5°	2833.5	2851.9	2833.5	2815.0	2810.4	2403.9	1862.0	1591.0	1342.0	844.0	470.6
110°	2973.7	3053.3	2973.7	2894.2	2874.3	2419.9	1814.0	1511.0	1286.6	837.7	501.0





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2986.3	3108.4	2986.3	2864.1	2833.6	2368.5	1748.4	1438.4	1238.2	838.0	537.8
115°	2907.0	3076.5	2907.0	2737.7	2695.3	2247.3	1649.9	1351.2	1182.7	845.7	592.9
117.5°	2739.2	2927.1	2739.2	2551.3	2504.3	2100.0	1560.9	1291.4	1148.0	861.5	646.5
120°	2603.9	2786.4	2603.9	2421.3	2375.7	2006.3	1513.7	1267.4	1136.3	874.2	677.7
122.5°	2472.1	2652.2	2472.1	2292.1	2247.0	1914.4	1470.8	1249.0	1130.2	892.6	714.4
125°	2284.1	2450.0	2284.1	2118.2	2076.8	1794.2	1417.4	1229.0	1125.1	917.3	761.5
127.5°	2115.1	2255.1	2115.1	1975.2	1940.2	1697.5	1374.0	1212.2	1122.2	942.1	807.1
130°	2015.5	2144.7	2015.5	1886.2	1853.9	1637.9	1349.9	1205.9	1124.0	960.3	837.5
132.5°	1925.0	2040.9	1925.0	1809.3	1780.3	1587.0	1329.1	1200.2	1125.1	974.9	862.2
135°	1801.3	1901.0	1801.3	1701.4	1676.5	1514.5	1298.6	1190.7	1124.0	990.9	891.0
137.5°	1701.9	1783.6	1701.9	1620.2	1599.8	1462.9	1280.3	1189.0	1131.0	1014.9	927.8
140°	1633.7	1710.0	1633.7	1557.3	1538.3	1420.0	1262.3	1183.5	1132.1	1029.5	952.5
142.5°	1577.2	1642.9	1577.2	1511.5	1495.1	1391.2	1252.7	1183.5	1136.2	1041.8	970.9
145°	1492.5	1542.2	1492.5	1442.8	1430.4	1345.4	1232.1	1175.5	1136.2	1057.8	998.9
147.5°	1427.5	1468.8	1427.5	1386.3	1376.0	1309.1	1220.0	1175.5	1144.0	1081.2	1034.0
150°	1386.6	1420.0	1386.6	1353.2	1344.8	1288.4	1213.1	1175.5	1148.1	1093.4	1052.4
152.5°	1351.6	1376.9	1351.6	1326.4	1320.1	1271.9	1207.6	1175.5	1150.8	1101.4	1064.4
155°	1311.3	1328.1	1311.3	1294.7	1290.5	1252.2	1201.0	1175.5	1156.7	1119.0	1090.7
157.5°	1279.7	1291.4	1279.7	1267.9	1265.0	1235.2	1195.4	1175.5	1162.5	1136.6	1117.1
160°	1260.6	1267.4	1260.6	1253.9	1252.2	1226.6	1192.5	1175.5	1165.1	1144.5	1129.1
162.5°	1248.1	1254.5	1248.1	1241.8	1240.2	1218.6	1189.8	1175.5	1168.0	1153.1	1141.9
165°	1230.2	1236.9	1230.2	1223.5	1221.8	1206.4	1185.8	1175.5	1172.0	1165.3	1160.2
167.5°	1217.4	1220.2	1217.4	1214.5	1213.8	1203.7	1190.2	1183.5	1180.7	1174.9	1170.7
170°	1213.8	1213.8	1213.8	1213.8	1213.8	1203.7	1190.2	1183.5	1183.3	1182.9	1182.6
172.5°	1204.3	1201.8	1204.3	1206.8	1207.4	1199.5	1188.8	1183.5	1183.5	1183.5	1183.5
175°	1198.6	1198.6	1198.6	1198.6	1198.6	1193.6	1186.8	1183.5	1185.1	1188.3	1190.7
177.5°	1193.5	1190.7	1193.5	1196.4	1197.1	1193.0	1187.7	1185.0	1186.3	1188.8	1190.7
180°	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1
2.5°	1814.5	1804.3	1804.3	1787.3	1780.6	1775.6	1767.1	1741.7	1734.9	1728.2	1738.3
5°	1829.7	1811.1	1797.5	1767.1	1741.7	1731.6	1699.4	1638.5	1597.8	1567.3	1550.4
7.5°	1833.1	1809.4	1784.0	1736.6	1675.7	1648.6	1550.4	1438.7	1408.3	1381.1	1364.2
10°	1829.7	1802.6	1767.1	1696.0	1552.1	1504.7	1406.6	1333.8	1315.2	1310.1	1315.2
12.5°	1817.8	1792.5	1743.4	1624.9	1423.5	1391.3	1333.8	1291.4	1288.1	1296.6	1342.3
15°	1797.5	1773.9	1716.3	1530.1	1352.4	1328.7	1288.1	1272.8	1291.4	1350.7	1487.8
17.5°	1777.3	1750.1	1679.0	1437.0	1298.2	1281.3	1252.5	1283.0	1388.0	1467.5	1513.2
20°	1750.1	1718.0	1636.8	1369.3	1259.3	1244.0	1230.5	1367.6	1447.1	1475.9	1501.3
22.5°	1718.0	1684.2	1579.2	1321.9	1218.7	1206.8	1215.3	1415.0	1447.1	1467.5	1489.5
25°	1675.7	1646.9	1511.5	1284.7	1186.6	1173.0	1205.2	1409.9	1428.5	1433.7	1477.6
27.5°	1636.8	1599.5	1440.4	1250.9	1147.6	1142.5	1213.6	1388.0	1401.5	1406.6	1454.0
30°	1589.4	1533.5	1360.9	1215.3	1106.9	1105.2	1215.3	1360.9	1357.5	1371.0	1418.4
32.5°	1540.2	1435.4	1271.1	1171.3	1068.0	1066.4	1203.5	1320.2	1316.8	1335.4	1371.0
35°	1494.6	1359.2	1149.3	1120.5	1019.0	1020.6	1174.7	1272.8	1274.5	1291.4	1313.5
37.5°	1447.1	1293.1	1015.6	1064.7	971.6	971.6	1135.7	1228.8	1225.4	1230.5	1260.9
40°	1391.3	1189.9	897.1	991.9	927.6	922.5	1088.3	1181.4	1169.6	1167.9	1210.2
42.5°	1332.1	1076.5	809.0	895.4	876.8	870.0	1030.8	1123.9	1101.9	1106.9	1161.1
45°	1267.8	1046.1	741.4	756.6	824.3	819.2	968.2	1057.8	1042.6	1056.2	1112.1
47.5°	1203.5	985.1	719.3	628.0	768.5	766.8	898.8	993.5	985.1	998.6	1057.8
50°	1115.4	917.4	717.6	538.3	705.9	712.6	815.9	930.9	930.9	942.8	1005.4
52.5°	1002.0	834.5	651.6	487.5	633.0	653.3	743.1	876.8	880.2	892.0	947.8
55°	898.8	748.1	604.3	448.5	546.7	590.7	671.9	820.9	827.7	839.5	890.3
57.5°	804.0	622.9	594.1	402.8	467.1	509.5	609.3	766.8	770.2	780.3	829.4
60°	702.4	450.2	545.0	353.8	397.8	429.9	551.8	702.4	714.3	721.1	763.3
62.5°	587.3	326.7	494.2	319.9	363.9	370.7	504.4	641.5	656.7	661.8	687.2
65°	418.1	274.2	419.8	291.1	328.3	330.0	453.6	578.8	592.4	600.9	619.5
67.5°	282.6	223.4	319.9	264.0	301.3	303.0	404.5	506.1	524.7	531.4	543.3
70°	196.4	149.0	236.9	235.3	270.8	274.2	352.1	440.0	457.0	462.1	468.8
72.5°	143.8	120.2	196.4	211.6	238.6	242.1	297.9	365.6	382.6	387.6	391.0
75°	110.0	126.9	159.1	184.5	203.1	204.8	243.8	297.9	309.7	313.1	314.8
77.5°	88.0	118.5	116.8	149.0	165.9	162.5	191.2	230.2	240.4	240.4	240.4
80°	66.0	93.1	88.0	106.6	121.9	118.5	137.1	164.2	167.6	170.9	169.3
82.5°	49.1	59.3	59.3	67.7	81.2	77.9	91.4	106.6	106.6	106.6	110.0
85°	30.5	33.8	27.1	35.5	45.7	44.0	50.8	57.6	59.3	59.3	55.9
87.5°	18.6	15.2	8.5	13.6	20.3	20.3	23.7	25.4	23.7	23.7	23.7
90°	20.8	14.4	8.0	14.4	20.8	22.4	35.2	52.2	60.7	54.0	40.5
92.5°	140.7	86.3	31.9	86.3	140.7	154.3	216.9	300.3	342.0	299.7	215.2
95°	275.6	176.1	76.7	176.1	275.6	300.5	533.6	844.3	999.7	892.1	676.8
97.5°	308.1	220.4	132.6	220.4	308.1	330.0	718.7	1236.9	1495.9	1427.9	1291.9
100°	334.9	255.4	175.8	255.4	334.9	354.8	786.1	1361.1	1648.6	1653.5	1663.5
102.5°	361.0	286.8	212.6	286.8	361.0	379.6	817.0	1400.1	1691.7	1778.3	1951.6
105°	400.6	337.7	274.9	337.7	400.6	416.3	839.9	1404.5	1686.9	1881.1	2269.7
107.5°	456.0	397.4	338.8	397.4	456.0	470.6	844.0	1342.0	1591.0	1862.0	2403.9
110°	487.8	434.9	382.0	434.9	487.8	501.0	837.7	1286.6	1511.0	1814.0	2419.9



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CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	525.1	474.7	424.3	474.7	525.1	537.8	838.0	1238.2	1438.4	1748.4	2368.5
115°	581.3	534.8	488.2	534.8	581.3	592.9	845.7	1182.7	1351.2	1649.9	2247.3
117.5°	635.9	593.6	551.3	593.6	635.9	646.5	861.5	1148.0	1291.4	1560.9	2100.0
120°	667.8	628.0	588.2	628.0	667.8	677.7	874.2	1136.3	1267.4	1513.7	2006.3
122.5°	704.4	664.3	624.1	664.3	704.4	714.4	892.6	1130.2	1249.0	1470.8	1914.4
125°	752.4	715.8	679.2	715.8	752.4	761.5	917.3	1125.1	1229.0	1417.4	1794.2
127.5°	797.8	760.9	724.0	760.9	797.8	807.1	942.1	1122.2	1212.2	1374.0	1697.5
130°	827.6	787.8	748.0	787.8	827.6	837.5	960.3	1124.0	1205.9	1349.9	1637.9
132.5°	852.3	812.5	772.7	812.5	852.3	862.2	974.9	1125.1	1200.2	1329.1	1587.0
135°	882.0	845.7	809.5	845.7	882.0	891.0	990.9	1124.0	1190.7	1298.6	1514.5
137.5°	918.8	882.9	847.0	882.9	918.8	927.8	1014.9	1131.0	1189.0	1280.3	1462.9
140°	944.2	911.3	878.2	911.3	944.2	952.5	1029.5	1132.1	1183.5	1262.3	1420.0
142.5°	963.3	932.7	902.1	932.7	963.3	970.9	1041.8	1136.2	1183.5	1252.7	1391.2
145°	992.2	965.6	938.9	965.6	992.2	998.9	1057.8	1136.2	1175.5	1232.1	1345.4
147.5°	1027.5	1001.6	975.7	1001.6	1027.5	1034.0	1081.2	1144.0	1175.5	1220.0	1309.1
150°	1046.5	1023.1	999.7	1023.1	1046.5	1052.4	1093.4	1148.1	1175.5	1213.1	1288.4
152.5°	1060.0	1042.2	1024.4	1042.2	1060.0	1064.4	1101.4	1150.8	1175.5	1207.6	1271.9
155°	1087.5	1074.3	1061.2	1074.3	1087.5	1090.7	1119.0	1156.7	1175.5	1201.0	1252.2
157.5°	1114.0	1101.1	1088.3	1101.1	1114.0	1117.1	1136.6	1162.5	1175.5	1195.4	1235.2
160°	1126.6	1116.7	1106.8	1116.7	1126.6	1129.1	1144.5	1165.1	1175.5	1192.5	1226.6
162.5°	1140.0	1132.6	1125.1	1132.6	1140.0	1141.9	1153.1	1168.0	1175.5	1189.8	1218.6
165°	1158.5	1151.9	1145.1	1151.9	1158.5	1160.2	1165.3	1172.0	1175.5	1185.8	1206.4
167.5°	1169.9	1166.7	1163.5	1166.7	1169.9	1170.7	1174.9	1180.7	1183.5	1190.2	1203.7
170°	1181.9	1178.6	1175.5	1178.6	1181.9	1182.6	1182.9	1183.3	1183.5	1190.2	1203.7
172.5°	1183.3	1182.5	1181.9	1182.5	1183.3	1183.5	1183.5	1183.5	1183.5	1188.8	1199.5
175°	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1188.3	1185.1	1183.5	1186.8	1193.6
177.5°	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1188.8	1186.3	1185.0	1187.7	1193.0
180°	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7



TEST NUMBER: P936037

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1	1789.1
2.5°	1726.4	1721.4	1728.2	1709.5	1728.2	1721.4	1726.4	1738.3	1728.2	1734.9	1741.7
5°	1514.9	1506.4	1479.3	1457.3	1479.3	1506.4	1514.9	1550.4	1567.3	1597.8	1638.5
7.5°	1354.0	1347.3	1340.6	1327.0	1340.6	1347.3	1354.0	1364.2	1381.1	1408.3	1438.7
10°	1318.5	1320.2	1330.4	1328.7	1330.4	1320.2	1318.5	1315.2	1310.1	1315.2	1333.8
12.5°	1409.9	1425.2	1481.1	1477.6	1481.1	1425.2	1409.9	1342.3	1296.6	1288.1	1291.4
15°	1514.9	1519.9	1531.8	1533.5	1531.8	1519.9	1514.9	1487.8	1350.7	1291.4	1272.8
17.5°	1525.0	1526.8	1535.2	1535.2	1535.2	1526.8	1525.0	1513.2	1467.5	1388.0	1283.0
20°	1516.6	1519.9	1536.9	1540.2	1536.9	1519.9	1516.6	1501.3	1475.9	1447.1	1367.6
22.5°	1513.2	1519.9	1533.5	1531.8	1533.5	1519.9	1513.2	1489.5	1467.5	1447.1	1415.0
25°	1496.3	1496.3	1498.0	1499.7	1498.0	1496.3	1496.3	1477.6	1433.7	1428.5	1409.9
27.5°	1460.7	1464.1	1474.2	1472.6	1474.2	1464.1	1460.7	1454.0	1406.6	1401.5	1388.0
30°	1428.5	1425.2	1416.7	1409.9	1416.7	1425.2	1428.5	1418.4	1371.0	1357.5	1360.9
32.5°	1374.4	1365.9	1357.5	1352.4	1357.5	1365.9	1374.4	1371.0	1335.4	1316.8	1320.2
35°	1310.1	1311.8	1310.1	1305.0	1310.1	1311.8	1310.1	1313.5	1291.4	1274.5	1272.8
37.5°	1264.4	1267.8	1266.1	1259.3	1266.1	1267.8	1264.4	1260.9	1230.5	1225.4	1228.8
40°	1217.0	1218.7	1217.0	1211.9	1217.0	1218.7	1217.0	1210.2	1167.9	1169.6	1181.4
42.5°	1171.3	1169.6	1164.5	1161.1	1164.5	1169.6	1171.3	1161.1	1106.9	1101.9	1123.9
45°	1118.8	1120.5	1110.4	1105.2	1110.4	1120.5	1118.8	1112.1	1056.2	1042.6	1057.8
47.5°	1066.4	1066.4	1057.8	1052.8	1057.8	1066.4	1066.4	1057.8	998.6	985.1	993.5
50°	1010.5	1008.8	996.9	995.2	996.9	1008.8	1010.5	1005.4	942.8	930.9	930.9
52.5°	946.2	946.2	947.8	951.2	947.8	946.2	946.2	947.8	892.0	880.2	876.8
55°	890.3	892.0	903.8	907.3	903.8	892.0	890.3	890.3	839.5	827.7	820.9
57.5°	832.8	832.8	841.2	841.2	841.2	832.8	832.8	829.4	780.3	770.2	766.8
60°	766.8	770.2	776.9	775.2	776.9	770.2	766.8	763.3	721.1	714.3	702.4
62.5°	697.3	700.7	702.4	699.0	702.4	700.7	697.3	687.2	661.8	656.7	641.5
65°	624.5	628.0	629.7	626.2	629.7	628.0	624.5	619.5	600.9	592.4	578.8
67.5°	550.1	548.4	546.7	553.5	546.7	548.4	550.1	543.3	531.4	524.7	506.1
70°	474.0	474.0	472.2	475.6	472.2	474.0	474.0	468.8	462.1	457.0	440.0
72.5°	392.6	391.0	397.8	392.6	397.8	391.0	392.6	391.0	387.6	382.6	365.6
75°	313.1	316.5	313.1	318.2	313.1	316.5	313.1	314.8	313.1	309.7	297.9
77.5°	238.6	242.1	238.6	238.6	238.6	242.1	238.6	240.4	240.4	240.4	230.2
80°	169.3	167.6	167.6	165.9	167.6	167.6	169.3	169.3	170.9	167.6	164.2
82.5°	108.3	106.6	106.6	110.0	106.6	106.6	108.3	110.0	106.6	106.6	106.6
85°	59.3	60.9	57.6	57.6	57.6	60.9	59.3	55.9	59.3	59.3	57.6
87.5°	22.0	20.3	20.3	20.3	20.3	20.3	22.0	23.7	23.7	23.7	25.4
90°	30.4	30.4	30.4	30.4	30.4	30.4	30.4	40.5	54.0	60.7	52.2
92.5°	151.9	145.8	121.6	97.5	121.6	145.8	151.9	215.2	299.7	342.0	300.3
95°	515.4	497.1	423.9	350.8	423.9	497.1	515.4	676.8	892.1	999.7	844.3
97.5°	1189.9	1155.0	1015.8	876.6	1015.8	1155.0	1189.9	1291.9	1427.9	1495.9	1236.9
100°	1670.9	1629.5	1463.6	1297.8	1463.6	1629.5	1670.9	1663.5	1653.5	1648.6	1361.1
102.5°	2081.6	2046.1	1904.0	1762.0	1904.0	2046.1	2081.6	1951.6	1778.3	1691.7	1400.1
105°	2561.1	2542.0	2465.6	2389.3	2465.6	2542.0	2561.1	2269.7	1881.1	1686.9	1404.5
107.5°	2810.4	2815.0	2833.5	2851.9	2833.5	2815.0	2810.4	2403.9	1862.0	1591.0	1342.0
110°	2874.3	2894.2	2973.7	3053.3	2973.7	2894.2	2874.3	2419.9	1814.0	1511.0	1286.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2833.6	2864.1	2986.3	3108.4	2986.3	2864.1	2833.6	2368.5	1748.4	1438.4	1238.2
115°	2695.3	2737.7	2907.0	3076.5	2907.0	2737.7	2695.3	2247.3	1649.9	1351.2	1182.7
117.5°	2504.3	2551.3	2739.2	2927.1	2739.2	2551.3	2504.3	2100.0	1560.9	1291.4	1148.0
120°	2375.7	2421.3	2603.9	2786.4	2603.9	2421.3	2375.7	2006.3	1513.7	1267.4	1136.3
122.5°	2247.0	2292.1	2472.1	2652.2	2472.1	2292.1	2247.0	1914.4	1470.8	1249.0	1130.2
125°	2076.8	2118.2	2284.1	2450.0	2284.1	2118.2	2076.8	1794.2	1417.4	1229.0	1125.1
127.5°	1940.2	1975.2	2115.1	2255.1	2115.1	1975.2	1940.2	1697.5	1374.0	1212.2	1122.2
130°	1853.9	1886.2	2015.5	2144.7	2015.5	1886.2	1853.9	1637.9	1349.9	1205.9	1124.0
132.5°	1780.3	1809.3	1925.0	2040.9	1925.0	1809.3	1780.3	1587.0	1329.1	1200.2	1125.1
135°	1676.5	1701.4	1801.3	1901.0	1801.3	1701.4	1676.5	1514.5	1298.6	1190.7	1124.0
137.5°	1599.8	1620.2	1701.9	1783.6	1701.9	1620.2	1599.8	1462.9	1280.3	1189.0	1131.0
140°	1538.3	1557.3	1633.7	1710.0	1633.7	1557.3	1538.3	1420.0	1262.3	1183.5	1132.1
142.5°	1495.1	1511.5	1577.2	1642.9	1577.2	1511.5	1495.1	1391.2	1252.7	1183.5	1136.2
145°	1430.4	1442.8	1492.5	1542.2	1492.5	1442.8	1430.4	1345.4	1232.1	1175.5	1136.2
147.5°	1376.0	1386.3	1427.5	1468.8	1427.5	1386.3	1376.0	1309.1	1220.0	1175.5	1144.0
150°	1344.8	1353.2	1386.6	1420.0	1386.6	1353.2	1344.8	1288.4	1213.1	1175.5	1148.1
152.5°	1320.1	1326.4	1351.6	1376.9	1351.6	1326.4	1320.1	1271.9	1207.6	1175.5	1150.8
155°	1290.5	1294.7	1311.3	1328.1	1311.3	1294.7	1290.5	1252.2	1201.0	1175.5	1156.7
157.5°	1265.0	1267.9	1279.7	1291.4	1279.7	1267.9	1265.0	1235.2	1195.4	1175.5	1162.5
160°	1252.2	1253.9	1260.6	1267.4	1260.6	1253.9	1252.2	1226.6	1192.5	1175.5	1165.1
162.5°	1240.2	1241.8	1248.1	1254.5	1248.1	1241.8	1240.2	1218.6	1189.8	1175.5	1168.0
165°	1221.8	1223.5	1230.2	1236.9	1230.2	1223.5	1221.8	1206.4	1185.8	1175.5	1172.0
167.5°	1213.8	1214.5	1217.4	1220.2	1217.4	1214.5	1213.8	1203.7	1190.2	1183.5	1180.7
170°	1213.8	1213.8	1213.8	1213.8	1213.8	1213.8	1213.8	1203.7	1190.2	1183.5	1183.3
172.5°	1207.4	1206.8	1204.3	1201.8	1204.3	1206.8	1207.4	1199.5	1188.8	1183.5	1183.5
175°	1198.6	1198.6	1198.6	1198.6	1198.6	1198.6	1198.6	1193.6	1186.8	1183.5	1185.1
177.5°	1197.1	1196.4	1193.5	1190.7	1193.5	1196.4	1197.1	1193.0	1187.7	1185.0	1186.3
180°	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7	1190.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1789.1	1789.1	1789.1	1789.1	1789.1
2.5°	1767.1	1775.6	1780.6	1787.3	1804.3
5°	1699.4	1731.6	1741.7	1767.1	1797.5
7.5°	1550.4	1648.6	1675.7	1736.6	1784.0
10°	1406.6	1504.7	1552.1	1696.0	1767.1
12.5°	1333.8	1391.3	1423.5	1624.9	1743.4
15°	1288.1	1328.7	1352.4	1530.1	1716.3
17.5°	1252.5	1281.3	1298.2	1437.0	1679.0
20°	1230.5	1244.0	1259.3	1369.3	1636.8
22.5°	1215.3	1206.8	1218.7	1321.9	1579.2
25°	1205.2	1173.0	1186.6	1284.7	1511.5
27.5°	1213.6	1142.5	1147.6	1250.9	1440.4
30°	1215.3	1105.2	1106.9	1215.3	1360.9
32.5°	1203.5	1066.4	1068.0	1171.3	1271.1
35°	1174.7	1020.6	1019.0	1120.5	1149.3
37.5°	1135.7	971.6	971.6	1064.7	1015.6
40°	1088.3	922.5	927.6	991.9	897.1
42.5°	1030.8	870.0	876.8	895.4	809.0
45°	968.2	819.2	824.3	756.6	741.4
47.5°	898.8	766.8	768.5	628.0	719.3
50°	815.9	712.6	705.9	538.3	717.6
52.5°	743.1	653.3	633.0	487.5	651.6
55°	671.9	590.7	546.7	448.5	604.3
57.5°	609.3	509.5	467.1	402.8	594.1
60°	551.8	429.9	397.8	353.8	545.0
62.5°	504.4	370.7	363.9	319.9	494.2
65°	453.6	330.0	328.3	291.1	419.8
67.5°	404.5	303.0	301.3	264.0	319.9
70°	352.1	274.2	270.8	235.3	236.9
72.5°	297.9	242.1	238.6	211.6	196.4
75°	243.8	204.8	203.1	184.5	159.1
77.5°	191.2	162.5	165.9	149.0	116.8
80°	137.1	118.5	121.9	106.6	88.0
82.5°	91.4	77.9	81.2	67.7	59.3
85°	50.8	44.0	45.7	35.5	27.1
87.5°	23.7	20.3	20.3	13.6	8.5
90°	35.2	22.4	20.8	14.4	8.0
92.5°	216.9	154.3	140.7	86.3	31.9
95°	533.6	300.5	275.6	176.1	76.7
97.5°	718.7	330.0	308.1	220.4	132.6
100°	786.1	354.8	334.9	255.4	175.8
102.5°	817.0	379.6	361.0	286.8	212.6
105°	839.9	416.3	400.6	337.7	274.9
107.5°	844.0	470.6	456.0	397.4	338.8
110°	837.7	501.0	487.8	434.9	382.0



TEST NUMBER: P936037

CATALOG NUMBER: SQ4-FA-150U-100D-92765-1D-UNV-STD-W-6-2700K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	838.0	537.8	525.1	474.7	424.3
115°	845.7	592.9	581.3	534.8	488.2
117.5°	861.5	646.5	635.9	593.6	551.3
120°	874.2	677.7	667.8	628.0	588.2
122.5°	892.6	714.4	704.4	664.3	624.1
125°	917.3	761.5	752.4	715.8	679.2
127.5°	942.1	807.1	797.8	760.9	724.0
130°	960.3	837.5	827.6	787.8	748.0
132.5°	974.9	862.2	852.3	812.5	772.7
135°	990.9	891.0	882.0	845.7	809.5
137.5°	1014.9	927.8	918.8	882.9	847.0
140°	1029.5	952.5	944.2	911.3	878.2
142.5°	1041.8	970.9	963.3	932.7	902.1
145°	1057.8	998.9	992.2	965.6	938.9
147.5°	1081.2	1034.0	1027.5	1001.6	975.7
150°	1093.4	1052.4	1046.5	1023.1	999.7
152.5°	1101.4	1064.4	1060.0	1042.2	1024.4
155°	1119.0	1090.7	1087.5	1074.3	1061.2
157.5°	1136.6	1117.1	1114.0	1101.1	1088.3
160°	1144.5	1129.1	1126.6	1116.7	1106.8
162.5°	1153.1	1141.9	1140.0	1132.6	1125.1
165°	1165.3	1160.2	1158.5	1151.9	1145.1
167.5°	1174.9	1170.7	1169.9	1166.7	1163.5
170°	1182.9	1182.6	1181.9	1178.6	1175.5
172.5°	1183.5	1183.5	1183.3	1182.5	1181.9
175°	1188.3	1190.7	1190.7	1190.7	1190.7
177.5°	1188.8	1190.7	1190.7	1190.7	1190.7
180°	1190.7	1190.7	1190.7	1190.7	1190.7



TEST NUMBER: P936037  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.88	12.64	12.94	13.70	15.14	14.71	15.47	15.76	16.53	17.97
	3H	12.35	13.03	13.42	14.10	15.56	16.04	16.72	17.11	17.79	19.25
	4H	12.54	13.18	13.62	14.25	15.72	16.48	17.13	17.56	18.20	19.66
	6H	12.65	13.25	13.74	14.32	15.80	16.76	17.35	17.85	18.43	19.90
	8H	12.65	13.21	13.74	14.31	15.78	16.83	17.39	17.92	18.48	19.95
	12H	12.62	13.15	13.71	14.24	15.73	16.86	17.40	17.96	18.48	19.98
4H	2H	12.90	13.55	13.99	14.62	16.08	15.10	15.75	16.19	16.82	18.28
	3H	13.92	14.46	15.01	15.55	17.03	16.60	17.14	17.69	18.23	19.71
	4H	14.19	14.68	15.29	15.77	17.27	17.12	17.61	18.22	18.70	20.20
	6H	14.31	14.73	15.41	15.84	17.33	17.48	17.90	18.58	19.01	20.50
	8H	14.31	14.71	15.42	15.81	17.32	17.58	17.98	18.69	19.08	20.59
	12H	14.27	14.63	15.40	15.75	17.26	17.63	17.99	18.76	19.11	20.62
8H	4H	14.63	15.03	15.74	16.13	17.64	17.24	17.63	18.34	18.74	20.24
	6H	14.89	15.22	16.02	16.36	17.87	17.67	17.99	18.79	19.14	20.64
	8H	14.93	15.22	16.07	16.35	17.87	17.82	18.10	18.95	19.23	20.75
	12H	14.91	15.16	16.05	16.29	17.85	17.91	18.16	19.05	19.28	20.84
12H	4H	14.64	14.99	15.76	16.11	17.62	17.20	17.55	18.32	18.67	20.18
	6H	14.95	15.24	16.09	16.36	17.89	17.66	17.95	18.80	19.08	20.60
	8H	15.01	15.26	16.15	16.39	17.95	17.82	18.07	18.96	19.19	20.75