

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: P935892

Luminaire Tested: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935892
REPORT IS A COMBINATION OF REPORTS P933772 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

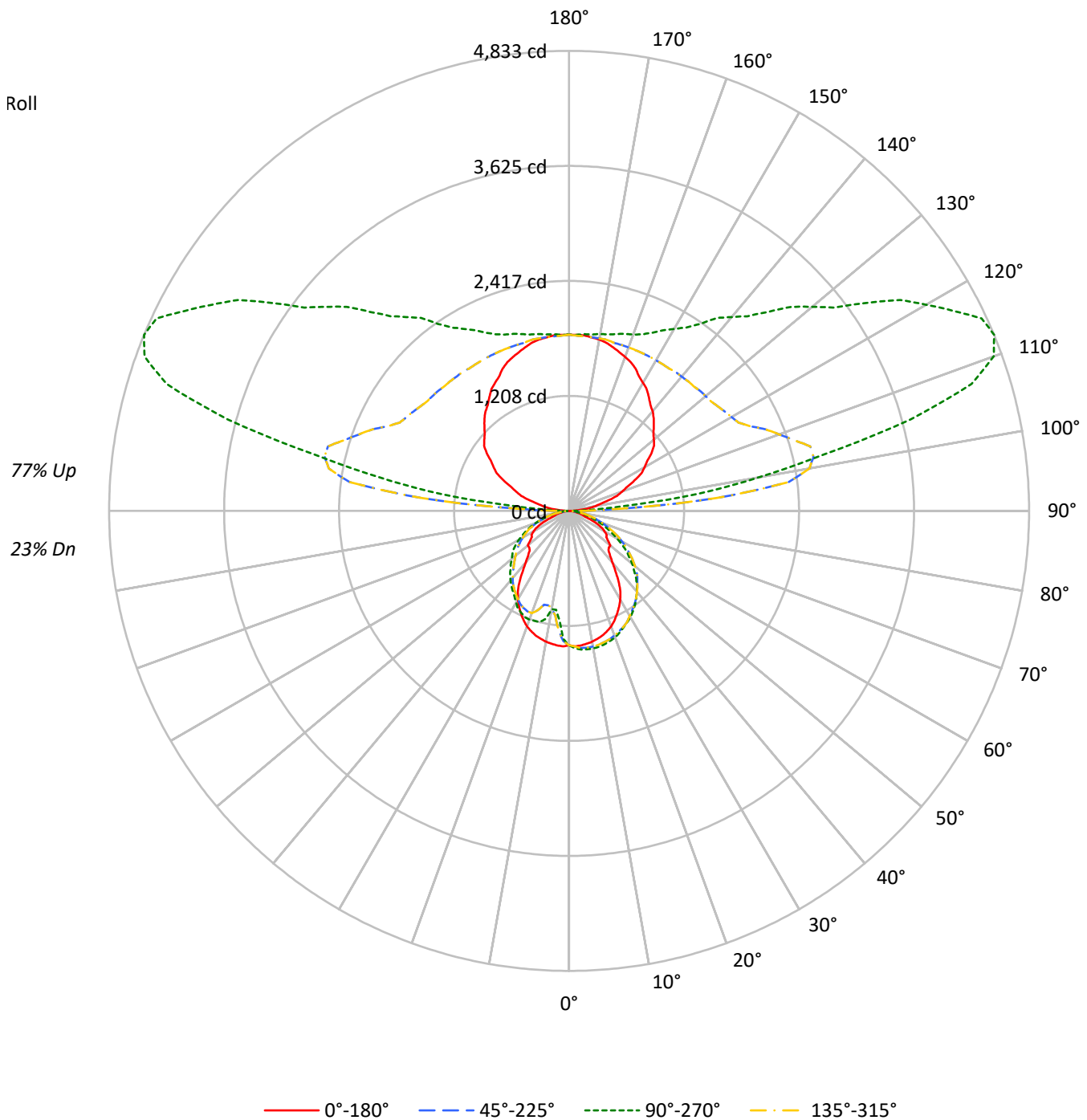
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15669.1 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 111.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	27	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	23	23	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	19	19	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	16	16	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	14	14	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	12	12	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	11	11	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	10	10	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	9	9	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	8	8	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6552	6552	6552	6552
5°	6601	6613	6601	5200
10°	6556	6515	6556	4657
15°	6485	6373	6485	5322
20°	6349	6206	6349	5333
25°	6072	5962	6072	5220
30°	5713	5760	5713	4972
35°	5093	5504	5093	4699
40°	4244	5202	4244	4494
45°	3792	4849	3792	4256
50°	4028	4429	4028	4018
55°	3790	3975	3790	3881
60°	3907	3376	3907	3554
65°	3542	2791	3542	3120
70°	2452	2224	2452	2615
75°	2151	1645	2151	1969
80°	1732	1087	1732	1183
85°	997	576	997	489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5812 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	0.8
10°-20°	361.9	2.3
20°-30°	559.4	3.6
30°-40°	667.9	4.3
40°-50°	671.8	4.3
50°-60°	584.5	3.7
60°-70°	414.4	2.6
70°-80°	219.3	1.4
80°-90°	61.7	0.4
90°-100°	902.4	5.8
100°-110°	2372.4	15.1
110°-120°	2459.9	15.7
120°-130°	1973.1	12.6
130°-140°	1548.2	9.9
140°-150°	1188.3	7.6
150°-160°	855.8	5.5
160°-170°	523.6	3.3
170°-180°	176.9	1.1
0°-30°	1048.8	6.7
0°-40°	1716.7	11.0
0°-60°	2973.0	19.0
0°-90°	3668.4	23.4
90°-120°	5734.7	36.6
90°-150°	10444.4	66.7
90°-180°	12001.0	76.6
0°-180°	15669.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1412	1412	1412	1412	1412	
5°	1419	1463	1419	1150	1419	135
15°	1355	1450	1355	1210	1355	381
25°	1193	1352	1193	1184	1193	548
35°	907	1206	907	1030	907	561
45°	585	994	585	872	585	469
55°	477	734	477	716	477	438
65°	331	442	331	494	331	317
75°	126	210	126	251	126	132
85°	21	54	21	45	21	29
90°	12	47	12	47	12	11
95°	119	545	119	545	119	132
105°	427	3715	427	3715	427	453
115°	759	4783	759	4783	759	750
125°	1056	3809	1056	3809	1056	938
135°	1258	2956	1258	2956	1258	974
145°	1460	2398	1460	2398	1460	915
155°	1650	2065	1650	2065	1650	758
165°	1780	1923	1780	1923	1780	502
175°	1851	1864	1851	1864	1851	176
180°	1851	1851	1851	1851	1851	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1424.1	1424.1	1432.1	1434.8	1434.8	1430.8	1426.8	1430.8	1442.8	1446.8	1445.5
5°	1418.8	1429.5	1444.2	1446.8	1449.5	1448.2	1445.5	1448.2	1461.5	1464.2	1465.5
7.5°	1408.0	1428.2	1446.8	1450.9	1454.9	1450.9	1449.5	1452.2	1465.5	1468.2	1468.2
10°	1394.7	1422.8	1444.2	1446.8	1450.9	1446.8	1446.8	1452.2	1465.5	1468.2	1469.5
12.5°	1376.0	1414.7	1434.8	1437.4	1442.8	1441.5	1440.1	1445.5	1458.8	1461.5	1461.5
15°	1354.7	1400.1	1418.8	1421.4	1430.8	1428.2	1428.2	1433.4	1448.2	1452.2	1450.9
17.5°	1325.3	1381.4	1402.8	1406.8	1413.4	1412.1	1413.4	1418.8	1432.1	1434.8	1436.1
20°	1291.8	1356.0	1381.4	1385.3	1392.0	1392.0	1392.0	1398.7	1412.1	1417.4	1417.4
22.5°	1246.4	1329.3	1356.0	1358.6	1366.7	1366.7	1369.3	1378.7	1390.7	1392.0	1392.0
25°	1193.0	1299.9	1322.6	1330.6	1338.6	1342.6	1346.6	1352.0	1356.0	1354.7	1356.0
27.5°	1136.9	1262.4	1291.8	1297.2	1307.8	1311.9	1317.2	1318.6	1319.9	1323.9	1321.3
30°	1074.1	1210.3	1254.5	1259.8	1277.2	1279.9	1274.5	1277.2	1283.8	1286.5	1289.2
32.5°	1003.3	1132.9	1215.7	1227.8	1243.8	1235.7	1234.4	1238.4	1249.1	1249.1	1251.8
35°	907.1	1072.8	1179.7	1190.3	1202.4	1193.0	1198.4	1199.7	1206.4	1210.3	1209.0
37.5°	801.6	1020.7	1142.2	1150.3	1159.6	1147.6	1155.6	1159.6	1164.9	1162.2	1162.2
40°	708.1	939.1	1098.2	1103.5	1111.5	1102.2	1110.1	1112.8	1115.5	1112.8	1111.5
42.5°	638.5	849.7	1051.4	1058.1	1052.7	1059.4	1062.0	1067.4	1063.4	1058.1	1058.1
45°	585.2	825.6	1000.6	1008.6	1000.6	1011.3	1015.3	1015.3	1003.3	1000.6	999.3
47.5°	567.8	777.5	949.9	949.9	945.8	959.2	965.9	956.6	944.5	940.5	940.5
50°	566.4	724.1	880.4	875.1	893.7	909.7	903.1	893.7	884.3	869.7	869.7
52.5°	514.3	658.7	790.9	810.9	840.3	849.7	838.9	829.7	813.6	806.9	801.6
55°	476.9	590.5	709.4	749.5	780.2	792.2	772.2	762.8	738.7	734.7	732.1
57.5°	468.9	491.6	634.6	685.3	722.7	721.4	709.4	692.0	672.0	668.0	666.6
60°	430.2	355.4	554.4	614.5	653.3	649.3	638.5	622.5	603.9	601.2	598.5
62.5°	390.1	257.9	463.5	531.7	586.4	585.2	575.8	551.8	538.3	531.7	526.4
65°	331.3	216.4	330.0	442.2	521.0	523.7	503.7	486.2	471.6	463.5	462.2
67.5°	252.5	176.4	223.1	368.7	458.3	455.6	430.2	422.2	403.5	399.5	391.4
70°	187.0	117.5	155.0	299.3	396.8	390.1	370.0	360.8	343.3	334.0	328.7
72.5°	155.0	94.8	113.5	232.5	334.0	326.0	308.6	297.9	283.3	275.2	269.8
75°	125.6	100.2	86.9	172.3	271.2	265.8	249.8	239.1	227.1	216.4	217.7
77.5°	92.2	93.5	69.4	126.9	215.1	207.1	197.7	184.4	179.0	168.3	168.3
80°	69.4	73.5	52.1	86.9	155.0	155.0	146.9	137.6	128.3	122.9	122.9
82.5°	46.7	46.7	38.7	54.8	105.6	101.5	96.2	93.5	88.1	85.5	85.5
85°	21.4	26.7	24.0	33.4	57.5	60.2	60.2	57.5	56.1	53.5	54.8
87.5°	6.7	12.1	14.7	18.7	29.4	30.8	32.1	32.1	32.1	33.4	33.4
90°	12.4	22.4	32.3	34.8	54.7	81.2	94.4	84.0	62.9	47.2	47.2
92.5°	49.7	134.2	218.7	239.8	337.1	466.9	531.8	466.0	334.7	236.1	226.7
95°	119.3	273.9	428.5	467.1	829.5	1312.6	1554.3	1386.9	1052.4	801.4	772.9
97.5°	206.3	342.6	479.1	513.1	1117.4	1923.1	2325.9	2220.1	2008.6	1850.0	1795.9
100°	273.3	397.0	520.7	551.7	1222.2	2116.1	2563.1	2570.9	2586.3	2597.9	2533.4
102.5°	330.5	445.9	561.2	590.1	1270.2	2176.9	2630.2	2765.0	3034.4	3236.5	3181.3
105°	427.4	525.1	622.9	647.3	1305.8	2183.7	2622.8	2924.9	3528.9	3982.0	3952.3
107.5°	526.8	617.9	709.0	731.8	1312.4	2086.6	2473.7	2895.0	3737.7	4369.7	4376.8
110°	593.9	676.2	758.5	779.0	1302.5	2000.5	2349.5	2820.5	3762.5	4469.1	4499.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	659.8	738.1	816.5	836.1	1302.9	1925.2	2236.3	2718.4	3682.5	4405.6	4453.1
115°	759.2	831.5	903.8	921.9	1314.9	1838.9	2101.0	2565.3	3494.1	4190.7	4256.5
117.5°	857.3	923.0	988.7	1005.2	1339.3	1784.9	2007.7	2426.9	3265.1	3893.8	3966.8
120°	914.4	976.3	1038.1	1053.6	1359.2	1766.7	1970.5	2353.4	3119.4	3693.8	3764.7
122.5°	970.3	1032.8	1095.1	1110.7	1387.8	1757.2	1941.9	2286.7	2976.4	3493.7	3563.7
125°	1056.1	1112.9	1169.8	1184.0	1426.3	1749.3	1910.8	2203.7	2789.6	3229.0	3293.5
127.5°	1125.7	1183.0	1240.5	1254.9	1464.8	1744.8	1884.7	2136.2	2639.3	3016.6	3071.0
130°	1162.9	1224.8	1286.6	1302.1	1493.0	1747.5	1874.8	2098.7	2546.6	2882.4	2932.7
132.5°	1201.5	1263.3	1325.2	1340.6	1515.8	1749.4	1866.1	2066.5	2467.4	2768.1	2813.1
135°	1258.5	1314.9	1371.3	1385.3	1540.6	1747.7	1851.2	2019.1	2354.8	2606.6	2645.4
137.5°	1317.0	1372.8	1428.5	1442.4	1577.9	1758.4	1848.8	1990.7	2274.5	2487.3	2519.1
140°	1365.4	1416.8	1468.1	1481.0	1600.7	1760.2	1840.0	1962.6	2207.8	2391.7	2421.4
142.5°	1402.7	1450.2	1497.7	1509.5	1619.7	1766.6	1840.0	1947.7	2163.0	2324.6	2350.1
145°	1459.8	1501.3	1542.7	1553.1	1644.6	1766.6	1827.6	1915.6	2091.8	2224.0	2243.3
147.5°	1517.0	1557.3	1597.7	1607.7	1681.0	1778.8	1827.6	1896.9	2035.4	2139.4	2155.4
150°	1554.3	1590.7	1627.2	1636.2	1700.0	1785.0	1827.6	1886.1	2003.2	2091.0	2104.0
152.5°	1592.8	1620.4	1648.1	1655.0	1712.5	1789.2	1827.6	1877.6	1977.5	2052.5	2062.2
155°	1650.0	1670.4	1690.8	1695.9	1739.8	1798.3	1827.6	1867.3	1946.9	2006.5	2013.0
157.5°	1692.2	1712.1	1731.9	1736.9	1767.1	1807.4	1827.6	1858.5	1920.4	1966.8	1971.4
160°	1720.8	1736.2	1751.7	1755.5	1779.6	1811.5	1827.6	1854.1	1907.1	1946.9	1949.5
162.5°	1749.4	1760.9	1772.6	1775.5	1792.8	1816.0	1827.6	1850.0	1894.7	1928.3	1930.7
165°	1780.4	1790.8	1801.4	1804.0	1811.8	1822.3	1827.6	1843.6	1875.7	1899.7	1902.3
167.5°	1808.9	1813.9	1818.9	1820.2	1826.8	1835.6	1840.0	1850.5	1871.5	1887.2	1888.3
170°	1827.6	1832.5	1837.5	1838.8	1839.2	1839.7	1840.0	1850.5	1871.5	1887.2	1887.2
172.5°	1837.5	1838.6	1839.7	1840.0	1840.0	1840.0	1840.0	1848.3	1864.8	1877.3	1876.3
175°	1851.2	1851.2	1851.2	1851.2	1847.5	1842.5	1840.0	1845.3	1855.7	1863.6	1863.6
177.5°	1851.2	1851.2	1851.2	1851.2	1848.3	1844.4	1842.5	1846.7	1855.0	1861.1	1860.0
180°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1448.2	1444.2	1448.2	1445.5	1446.8	1442.8	1430.8	1426.8	1430.8	1434.8	1434.8
5°	1465.5	1462.8	1465.5	1465.5	1464.2	1461.5	1448.2	1445.5	1448.2	1449.5	1446.8
7.5°	1470.9	1466.9	1470.9	1468.2	1468.2	1465.5	1452.2	1449.5	1450.9	1454.9	1450.9
10°	1470.9	1466.9	1470.9	1469.5	1468.2	1465.5	1452.2	1446.8	1446.8	1450.9	1446.8
12.5°	1464.2	1461.5	1464.2	1461.5	1461.5	1458.8	1445.5	1440.1	1441.5	1442.8	1437.4
15°	1453.5	1449.5	1453.5	1450.9	1452.2	1448.2	1433.4	1428.2	1428.2	1430.8	1421.4
17.5°	1437.4	1432.1	1437.4	1436.1	1434.8	1432.1	1418.8	1413.4	1412.1	1413.4	1406.8
20°	1418.8	1414.7	1418.8	1417.4	1417.4	1412.1	1398.7	1392.0	1392.0	1392.0	1385.3
22.5°	1389.4	1385.3	1389.4	1392.0	1392.0	1390.7	1378.7	1369.3	1366.7	1366.7	1358.6
25°	1356.0	1352.0	1356.0	1356.0	1354.7	1356.0	1352.0	1346.6	1342.6	1338.6	1330.6
27.5°	1323.9	1321.3	1323.9	1321.3	1323.9	1319.9	1318.6	1317.2	1311.9	1307.8	1297.2
30°	1291.8	1289.2	1291.8	1289.2	1286.5	1283.8	1277.2	1274.5	1279.9	1277.2	1259.8
32.5°	1251.8	1249.1	1251.8	1251.8	1249.1	1249.1	1238.4	1234.4	1235.7	1243.8	1227.8
35°	1210.3	1206.4	1210.3	1209.0	1210.3	1206.4	1199.7	1198.4	1193.0	1202.4	1190.3
37.5°	1162.2	1158.2	1162.2	1162.2	1162.2	1164.9	1159.6	1155.6	1147.6	1159.6	1150.3
40°	1112.8	1107.5	1112.8	1111.5	1112.8	1115.5	1112.8	1110.1	1102.2	1111.5	1103.5
42.5°	1056.8	1055.4	1056.8	1058.1	1058.1	1063.4	1067.4	1062.0	1059.4	1052.7	1058.1
45°	996.6	993.9	996.6	999.3	1000.6	1003.3	1015.3	1015.3	1011.3	1000.6	1008.6
47.5°	932.5	925.8	932.5	940.5	940.5	944.5	956.6	965.9	959.2	945.8	949.9
50°	864.3	865.7	864.3	869.7	869.7	884.3	893.7	903.1	909.7	893.7	875.1
52.5°	797.6	796.2	797.6	801.6	806.9	813.6	829.7	838.9	849.7	840.3	810.9
55°	730.8	733.5	730.8	732.1	734.7	738.7	762.8	772.2	792.2	780.2	749.5
57.5°	663.9	659.9	663.9	666.6	668.0	672.0	692.0	709.4	721.4	722.7	685.3
60°	586.4	581.2	586.4	598.5	601.2	603.9	622.5	638.5	649.3	653.3	614.5
62.5°	518.3	509.0	518.3	526.4	531.7	538.3	551.8	575.8	585.2	586.4	531.7
65°	446.2	442.2	446.2	462.2	463.5	471.6	486.2	503.7	523.7	521.0	442.2
67.5°	380.8	380.8	380.8	391.4	399.5	403.5	422.2	430.2	455.6	458.3	368.7
70°	320.6	319.3	320.6	328.7	334.0	343.3	360.8	370.0	390.1	396.8	299.3
72.5°	263.1	261.8	263.1	269.8	275.2	283.3	297.9	308.6	326.0	334.0	232.5
75°	212.4	209.8	212.4	217.7	216.4	227.1	239.1	249.8	265.8	271.2	172.3
77.5°	162.9	162.9	162.9	168.3	168.3	179.0	184.4	197.7	207.1	215.1	126.9
80°	121.6	120.2	121.6	122.9	122.9	128.3	137.6	146.9	155.0	155.0	86.9
82.5°	85.5	82.9	85.5	85.5	85.5	88.1	93.5	96.2	101.5	105.6	54.8
85°	53.5	53.5	53.5	54.8	53.5	56.1	57.5	60.2	60.2	57.5	33.4
87.5°	34.8	33.4	34.8	33.4	33.4	32.1	32.1	32.1	30.8	29.4	18.7
90°	47.2	47.2	47.2	47.2	47.2	62.9	84.0	94.4	81.2	54.7	34.8
92.5°	189.1	151.6	189.1	226.7	236.1	334.7	466.0	531.8	466.9	337.1	239.8
95°	659.2	545.4	659.2	772.9	801.4	1052.4	1386.9	1554.3	1312.6	829.5	467.1
97.5°	1579.4	1362.9	1579.4	1795.9	1850.0	2008.6	2220.1	2325.9	1923.1	1117.4	513.1
100°	2275.6	2017.7	2275.6	2533.4	2597.9	2586.3	2570.9	2563.1	2116.1	1222.2	551.7
102.5°	2960.4	2739.6	2960.4	3181.3	3236.5	3034.4	2765.0	2630.2	2176.9	1270.2	590.1
105°	3833.6	3714.9	3833.6	3952.3	3982.0	3528.9	2924.9	2622.8	2183.7	1305.8	647.3
107.5°	4405.5	4434.2	4405.5	4376.8	4369.7	3737.7	2895.0	2473.7	2086.6	1312.4	731.8
110°	4623.6	4747.3	4623.6	4499.9	4469.1	3762.5	2820.5	2349.5	2000.5	1302.5	779.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4643.1	4833.0	4643.1	4453.1	4405.6	3682.5	2718.4	2236.3	1925.2	1302.9	836.1
115°	4519.9	4783.3	4519.9	4256.5	4190.7	3494.1	2565.3	2101.0	1838.9	1314.9	921.9
117.5°	4258.9	4551.0	4258.9	3966.8	3893.8	3265.1	2426.9	2007.7	1784.9	1339.3	1005.2
120°	4048.5	4332.3	4048.5	3764.7	3693.8	3119.4	2353.4	1970.5	1766.7	1359.2	1053.6
122.5°	3843.7	4123.6	3843.7	3563.7	3493.7	2976.4	2286.7	1941.9	1757.2	1387.8	1110.7
125°	3551.4	3809.3	3551.4	3293.5	3229.0	2789.6	2203.7	1910.8	1749.3	1426.3	1184.0
127.5°	3288.6	3506.1	3288.6	3071.0	3016.6	2639.3	2136.2	1884.7	1744.8	1464.8	1254.9
130°	3133.7	3334.7	3133.7	2932.7	2882.4	2546.6	2098.7	1874.8	1747.5	1493.0	1302.1
132.5°	2993.1	3173.2	2993.1	2813.1	2768.1	2467.4	2066.5	1866.1	1749.4	1515.8	1340.6
135°	2800.6	2955.7	2800.6	2645.4	2606.6	2354.8	2019.1	1851.2	1747.7	1540.6	1385.3
137.5°	2646.1	2773.1	2646.1	2519.1	2487.3	2274.5	1990.7	1848.8	1758.4	1577.9	1442.4
140°	2540.1	2658.8	2540.1	2421.4	2391.7	2207.8	1962.6	1840.0	1760.2	1600.7	1481.0
142.5°	2452.3	2554.4	2452.3	2350.1	2324.6	2163.0	1947.7	1840.0	1766.6	1619.7	1509.5
145°	2320.6	2397.9	2320.6	2243.3	2224.0	2091.8	1915.6	1827.6	1766.6	1644.6	1553.1
147.5°	2219.5	2283.5	2219.5	2155.4	2139.4	2035.4	1896.9	1827.6	1778.8	1681.0	1607.7
150°	2155.9	2207.8	2155.9	2104.0	2091.0	2003.2	1886.1	1827.6	1785.0	1700.0	1636.2
152.5°	2101.5	2140.7	2101.5	2062.2	2052.5	1977.5	1877.6	1827.6	1789.2	1712.5	1655.0
155°	2039.0	2064.9	2039.0	2013.0	2006.5	1946.9	1867.3	1827.6	1798.3	1739.8	1695.9
157.5°	1989.5	2007.7	1989.5	1971.4	1966.8	1920.4	1858.5	1827.6	1807.4	1767.1	1736.9
160°	1960.0	1970.5	1960.0	1949.5	1946.9	1907.1	1854.1	1827.6	1811.5	1779.6	1755.5
162.5°	1940.6	1950.6	1940.6	1930.7	1928.3	1894.7	1850.0	1827.6	1816.0	1792.8	1775.5
165°	1912.8	1923.3	1912.8	1902.3	1899.7	1875.7	1843.6	1827.6	1822.3	1811.8	1804.0
167.5°	1892.8	1897.2	1892.8	1888.3	1887.2	1871.5	1850.5	1840.0	1835.6	1826.8	1820.2
170°	1887.2	1887.2	1887.2	1887.2	1887.2	1871.5	1850.5	1840.0	1839.7	1839.2	1838.8
172.5°	1872.5	1868.6	1872.5	1876.3	1877.3	1864.8	1848.3	1840.0	1840.0	1840.0	1840.0
175°	1863.6	1863.6	1863.6	1863.6	1863.6	1855.7	1845.3	1840.0	1842.5	1847.5	1851.2
177.5°	1855.5	1851.2	1855.5	1860.0	1861.1	1855.0	1846.7	1842.5	1844.4	1848.3	1851.2
180°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1432.1	1424.1	1424.1	1410.7	1405.5	1401.4	1394.7	1374.7	1369.3	1364.0	1372.0
5°	1444.2	1429.5	1418.8	1394.7	1374.7	1366.7	1341.3	1293.2	1261.1	1237.0	1223.7
7.5°	1446.8	1428.2	1408.0	1370.7	1322.6	1301.2	1223.7	1135.5	1111.5	1090.1	1076.8
10°	1444.2	1422.8	1394.7	1338.6	1225.1	1187.6	1110.1	1052.7	1038.0	1034.0	1038.0
12.5°	1434.8	1414.7	1376.0	1282.5	1123.5	1098.2	1052.7	1019.3	1016.6	1023.3	1059.4
15°	1418.8	1400.1	1354.7	1207.6	1067.4	1048.7	1016.6	1004.7	1019.3	1066.1	1174.3
17.5°	1402.8	1381.4	1325.3	1134.2	1024.7	1011.3	988.6	1012.6	1095.5	1158.2	1194.3
20°	1381.4	1356.0	1291.8	1080.8	993.9	982.0	971.2	1079.5	1142.2	1164.9	1184.9
22.5°	1356.0	1329.3	1246.4	1043.4	961.8	952.6	959.2	1116.8	1142.2	1158.2	1175.6
25°	1322.6	1299.9	1193.0	1014.0	936.5	925.8	951.2	1112.8	1127.6	1131.6	1166.3
27.5°	1291.8	1262.4	1136.9	987.2	905.8	901.8	957.9	1095.5	1106.2	1110.1	1147.6
30°	1254.5	1210.3	1074.1	959.2	873.7	872.4	959.2	1074.1	1071.4	1082.2	1119.5
32.5°	1215.7	1132.9	1003.3	924.5	843.0	841.6	949.9	1042.0	1039.3	1054.1	1082.2
35°	1179.7	1072.8	907.1	884.3	804.3	805.6	927.2	1004.7	1006.0	1019.3	1036.7
37.5°	1142.2	1020.7	801.6	840.3	766.8	766.8	896.4	969.9	967.2	971.2	995.3
40°	1098.2	939.1	708.1	782.9	732.1	728.1	859.0	932.5	923.1	921.8	955.2
42.5°	1051.4	849.7	638.5	706.8	692.0	686.6	813.6	887.0	869.7	873.7	916.4
45°	1000.6	825.6	585.2	597.2	650.6	646.6	764.1	834.9	822.9	833.7	877.7
47.5°	949.9	777.5	567.8	495.6	606.6	605.2	709.4	784.2	777.5	788.2	834.9
50°	880.4	724.1	566.4	424.8	557.1	562.4	643.9	734.7	734.7	744.1	793.5
52.5°	790.9	658.7	514.3	384.8	499.6	515.6	586.4	692.0	694.7	704.1	748.1
55°	709.4	590.5	476.9	354.0	431.5	466.2	530.4	647.9	653.3	662.6	702.7
57.5°	634.6	491.6	468.9	317.9	368.7	402.1	481.0	605.2	607.9	615.8	654.6
60°	554.4	355.4	430.2	279.2	313.9	339.3	435.6	554.4	563.7	569.1	602.5
62.5°	463.5	257.9	390.1	252.5	287.2	292.5	398.1	506.4	518.3	522.4	542.4
65°	330.0	216.4	331.3	229.8	259.2	260.6	358.1	456.9	467.6	474.3	488.9
67.5°	223.1	176.4	252.5	208.4	237.8	239.1	319.3	399.5	414.1	419.5	428.9
70°	155.0	117.5	187.0	185.7	213.7	216.4	277.9	347.3	360.8	364.7	370.0
72.5°	113.5	94.8	155.0	167.0	188.3	191.0	235.2	288.5	301.9	306.0	308.6
75°	86.9	100.2	125.6	145.6	160.4	161.7	192.3	235.2	244.5	247.1	248.5
77.5°	69.4	93.5	92.2	117.5	130.9	128.3	151.0	181.7	189.7	189.7	189.7
80°	52.1	73.5	69.4	84.2	96.2	93.5	108.2	129.6	132.3	135.0	133.6
82.5°	38.7	46.7	46.7	53.5	64.1	61.5	72.1	84.2	84.2	84.2	86.9
85°	24.0	26.7	21.4	28.1	36.1	34.8	40.0	45.4	46.7	46.7	44.1
87.5°	14.7	12.1	6.7	10.7	16.0	16.0	18.7	20.0	18.7	18.7	18.7
90°	32.3	22.4	12.4	22.4	32.3	34.8	54.7	81.2	94.4	84.0	62.9
92.5°	218.7	134.2	49.7	134.2	218.7	239.8	337.1	466.9	531.8	466.0	334.7
95°	428.5	273.9	119.3	273.9	428.5	467.1	829.5	1312.6	1554.3	1386.9	1052.4
97.5°	479.1	342.6	206.3	342.6	479.1	513.1	1117.4	1923.1	2325.9	2220.1	2008.6
100°	520.7	397.0	273.3	397.0	520.7	551.7	1222.2	2116.1	2563.1	2570.9	2586.3
102.5°	561.2	445.9	330.5	445.9	561.2	590.1	1270.2	2176.9	2630.2	2765.0	3034.4
105°	622.9	525.1	427.4	525.1	622.9	647.3	1305.8	2183.7	2622.8	2924.9	3528.9
107.5°	709.0	617.9	526.8	617.9	709.0	731.8	1312.4	2086.6	2473.7	2895.0	3737.7
110°	758.5	676.2	593.9	676.2	758.5	779.0	1302.5	2000.5	2349.5	2820.5	3762.5



TEST NUMBER: P935892

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	816.5	738.1	659.8	738.1	816.5	836.1	1302.9	1925.2	2236.3	2718.4	3682.5
115°	903.8	831.5	759.2	831.5	903.8	921.9	1314.9	1838.9	2101.0	2565.3	3494.1
117.5°	988.7	923.0	857.3	923.0	988.7	1005.2	1339.3	1784.9	2007.7	2426.9	3265.1
120°	1038.1	976.3	914.4	976.3	1038.1	1053.6	1359.2	1766.7	1970.5	2353.4	3119.4
122.5°	1095.1	1032.8	970.3	1032.8	1095.1	1110.7	1387.8	1757.2	1941.9	2286.7	2976.4
125°	1169.8	1112.9	1056.1	1112.9	1169.8	1184.0	1426.3	1749.3	1910.8	2203.7	2789.6
127.5°	1240.5	1183.0	1125.7	1183.0	1240.5	1254.9	1464.8	1744.8	1884.7	2136.2	2639.3
130°	1286.6	1224.8	1162.9	1224.8	1286.6	1302.1	1493.0	1747.5	1874.8	2098.7	2546.6
132.5°	1325.2	1263.3	1201.5	1263.3	1325.2	1340.6	1515.8	1749.4	1866.1	2066.5	2467.4
135°	1371.3	1314.9	1258.5	1314.9	1371.3	1385.3	1540.6	1747.7	1851.2	2019.1	2354.8
137.5°	1428.5	1372.8	1317.0	1372.8	1428.5	1442.4	1577.9	1758.4	1848.8	1990.7	2274.5
140°	1468.1	1416.8	1365.4	1416.8	1468.1	1481.0	1600.7	1760.2	1840.0	1962.6	2207.8
142.5°	1497.7	1450.2	1402.7	1450.2	1497.7	1509.5	1619.7	1766.6	1840.0	1947.7	2163.0
145°	1542.7	1501.3	1459.8	1501.3	1542.7	1553.1	1644.6	1766.6	1827.6	1915.6	2091.8
147.5°	1597.7	1557.3	1517.0	1557.3	1597.7	1607.7	1681.0	1778.8	1827.6	1896.9	2035.4
150°	1627.2	1590.7	1554.3	1590.7	1627.2	1636.2	1700.0	1785.0	1827.6	1886.1	2003.2
152.5°	1648.1	1620.4	1592.8	1620.4	1648.1	1655.0	1712.5	1789.2	1827.6	1877.6	1977.5
155°	1690.8	1670.4	1650.0	1670.4	1690.8	1695.9	1739.8	1798.3	1827.6	1867.3	1946.9
157.5°	1731.9	1712.1	1692.2	1712.1	1731.9	1736.9	1767.1	1807.4	1827.6	1858.5	1920.4
160°	1751.7	1736.2	1720.8	1736.2	1751.7	1755.5	1779.6	1811.5	1827.6	1854.1	1907.1
162.5°	1772.6	1760.9	1749.4	1760.9	1772.6	1775.5	1792.8	1816.0	1827.6	1850.0	1894.7
165°	1801.4	1790.8	1780.4	1790.8	1801.4	1804.0	1811.8	1822.3	1827.6	1843.6	1875.7
167.5°	1818.9	1813.9	1808.9	1813.9	1818.9	1820.2	1826.8	1835.6	1840.0	1850.5	1871.5
170°	1837.5	1832.5	1827.6	1832.5	1837.5	1838.8	1839.2	1839.7	1840.0	1850.5	1871.5
172.5°	1839.7	1838.6	1837.5	1838.6	1839.7	1840.0	1840.0	1840.0	1840.0	1848.3	1864.8
175°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1847.5	1842.5	1840.0	1845.3	1855.7
177.5°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1848.3	1844.4	1842.5	1846.7	1855.0
180°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2



TEST NUMBER: P935892

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1362.6	1358.6	1364.0	1349.3	1364.0	1358.6	1362.6	1372.0	1364.0	1369.3	1374.7
5°	1195.7	1189.0	1167.6	1150.3	1167.6	1189.0	1195.7	1223.7	1237.0	1261.1	1293.2
7.5°	1068.7	1063.4	1058.1	1047.4	1058.1	1063.4	1068.7	1076.8	1090.1	1111.5	1135.5
10°	1040.7	1042.0	1050.1	1048.7	1050.1	1042.0	1040.7	1038.0	1034.0	1038.0	1052.7
12.5°	1112.8	1124.9	1168.9	1166.3	1168.9	1124.9	1112.8	1059.4	1023.3	1016.6	1019.3
15°	1195.7	1199.7	1209.0	1210.3	1209.0	1199.7	1195.7	1174.3	1066.1	1019.3	1004.7
17.5°	1203.7	1205.1	1211.7	1211.7	1211.7	1205.1	1203.7	1194.3	1158.2	1095.5	1012.6
20°	1197.0	1199.7	1213.0	1215.7	1213.0	1199.7	1197.0	1184.9	1164.9	1142.2	1079.5
22.5°	1194.3	1199.7	1210.3	1209.0	1210.3	1199.7	1194.3	1175.6	1158.2	1142.2	1116.8
25°	1181.0	1181.0	1182.4	1183.6	1182.4	1181.0	1181.0	1166.3	1131.6	1127.6	1112.8
27.5°	1152.9	1155.6	1163.6	1162.2	1163.6	1155.6	1152.9	1147.6	1110.1	1106.2	1095.5
30°	1127.6	1124.9	1118.2	1112.8	1118.2	1124.9	1127.6	1119.5	1082.2	1071.4	1074.1
32.5°	1084.7	1078.1	1071.4	1067.4	1071.4	1078.1	1084.7	1082.2	1054.1	1039.3	1042.0
35°	1034.0	1035.3	1034.0	1030.0	1034.0	1035.3	1034.0	1036.7	1019.3	1006.0	1004.7
37.5°	998.0	1000.6	999.3	993.9	999.3	1000.6	998.0	995.3	971.2	967.2	969.9
40°	960.5	961.8	960.5	956.6	960.5	961.8	960.5	955.2	921.8	923.1	932.5
42.5°	924.5	923.1	919.1	916.4	919.1	923.1	924.5	916.4	873.7	869.7	887.0
45°	883.1	884.3	876.4	872.4	876.4	884.3	883.1	877.7	833.7	822.9	834.9
47.5°	841.6	841.6	834.9	831.0	834.9	841.6	841.6	834.9	788.2	777.5	784.2
50°	797.6	796.2	786.8	785.5	786.8	796.2	797.6	793.5	744.1	734.7	734.7
52.5°	746.8	746.8	748.1	750.8	748.1	746.8	746.8	748.1	704.1	694.7	692.0
55°	702.7	704.1	713.4	716.0	713.4	704.1	702.7	702.7	662.6	653.3	647.9
57.5°	657.3	657.3	663.9	663.9	663.9	657.3	657.3	654.6	615.8	607.9	605.2
60°	605.2	607.9	613.2	611.8	613.2	607.9	605.2	602.5	569.1	563.7	554.4
62.5°	550.4	553.1	554.4	551.8	554.4	553.1	550.4	542.4	522.4	518.3	506.4
65°	492.9	495.6	497.0	494.3	497.0	495.6	492.9	488.9	474.3	467.6	456.9
67.5°	434.2	432.9	431.5	436.8	431.5	432.9	434.2	428.9	419.5	414.1	399.5
70°	374.1	374.1	372.7	375.4	372.7	374.1	374.1	370.0	364.7	360.8	347.3
72.5°	310.0	308.6	313.9	310.0	313.9	308.6	310.0	308.6	306.0	301.9	288.5
75°	247.1	249.8	247.1	251.2	247.1	249.8	247.1	248.5	247.1	244.5	235.2
77.5°	188.3	191.0	188.3	188.3	188.3	191.0	188.3	189.7	189.7	189.7	181.7
80°	133.6	132.3	132.3	130.9	132.3	132.3	133.6	133.6	135.0	132.3	129.6
82.5°	85.5	84.2	84.2	86.9	84.2	84.2	85.5	86.9	84.2	84.2	84.2
85°	46.7	48.1	45.4	45.4	45.4	48.1	46.7	44.1	46.7	46.7	45.4
87.5°	17.3	16.0	16.0	16.0	16.0	16.0	17.3	18.7	18.7	18.7	20.0
90°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	62.9	84.0	94.4	81.2
92.5°	236.1	226.7	189.1	151.6	189.1	226.7	236.1	334.7	466.0	531.8	466.9
95°	801.4	772.9	659.2	545.4	659.2	772.9	801.4	1052.4	1386.9	1554.3	1312.6
97.5°	1850.0	1795.9	1579.4	1362.9	1579.4	1795.9	1850.0	2008.6	2220.1	2325.9	1923.1
100°	2597.9	2533.4	2275.6	2017.7	2275.6	2533.4	2597.9	2586.3	2570.9	2563.1	2116.1
102.5°	3236.5	3181.3	2960.4	2739.6	2960.4	3181.3	3236.5	3034.4	2765.0	2630.2	2176.9
105°	3982.0	3952.3	3833.6	3714.9	3833.6	3952.3	3982.0	3528.9	2924.9	2622.8	2183.7
107.5°	4369.7	4376.8	4405.5	4434.2	4405.5	4376.8	4369.7	3737.7	2895.0	2473.7	2086.6
110°	4469.1	4499.9	4623.6	4747.3	4623.6	4499.9	4469.1	3762.5	2820.5	2349.5	2000.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4405.6	4453.1	4643.1	4833.0	4643.1	4453.1	4405.6	3682.5	2718.4	2236.3	1925.2
115°	4190.7	4256.5	4519.9	4783.3	4519.9	4256.5	4190.7	3494.1	2565.3	2101.0	1838.9
117.5°	3893.8	3966.8	4258.9	4551.0	4258.9	3966.8	3893.8	3265.1	2426.9	2007.7	1784.9
120°	3693.8	3764.7	4048.5	4332.3	4048.5	3764.7	3693.8	3119.4	2353.4	1970.5	1766.7
122.5°	3493.7	3563.7	3843.7	4123.6	3843.7	3563.7	3493.7	2976.4	2286.7	1941.9	1757.2
125°	3229.0	3293.5	3551.4	3809.3	3551.4	3293.5	3229.0	2789.6	2203.7	1910.8	1749.3
127.5°	3016.6	3071.0	3288.6	3506.1	3288.6	3071.0	3016.6	2639.3	2136.2	1884.7	1744.8
130°	2882.4	2932.7	3133.7	3334.7	3133.7	2932.7	2882.4	2546.6	2098.7	1874.8	1747.5
132.5°	2768.1	2813.1	2993.1	3173.2	2993.1	2813.1	2768.1	2467.4	2066.5	1866.1	1749.4
135°	2606.6	2645.4	2800.6	2955.7	2800.6	2645.4	2606.6	2354.8	2019.1	1851.2	1747.7
137.5°	2487.3	2519.1	2646.1	2773.1	2646.1	2519.1	2487.3	2274.5	1990.7	1848.8	1758.4
140°	2391.7	2421.4	2540.1	2658.8	2540.1	2421.4	2391.7	2207.8	1962.6	1840.0	1760.2
142.5°	2324.6	2350.1	2452.3	2554.4	2452.3	2350.1	2324.6	2163.0	1947.7	1840.0	1766.6
145°	2224.0	2243.3	2320.6	2397.9	2320.6	2243.3	2224.0	2091.8	1915.6	1827.6	1766.6
147.5°	2139.4	2155.4	2219.5	2283.5	2219.5	2155.4	2139.4	2035.4	1896.9	1827.6	1778.8
150°	2091.0	2104.0	2155.9	2207.8	2155.9	2104.0	2091.0	2003.2	1886.1	1827.6	1785.0
152.5°	2052.5	2062.2	2101.5	2140.7	2101.5	2062.2	2052.5	1977.5	1877.6	1827.6	1789.2
155°	2006.5	2013.0	2039.0	2064.9	2039.0	2013.0	2006.5	1946.9	1867.3	1827.6	1798.3
157.5°	1966.8	1971.4	1989.5	2007.7	1989.5	1971.4	1966.8	1920.4	1858.5	1827.6	1807.4
160°	1946.9	1949.5	1960.0	1970.5	1960.0	1949.5	1946.9	1907.1	1854.1	1827.6	1811.5
162.5°	1928.3	1930.7	1940.6	1950.6	1940.6	1930.7	1928.3	1894.7	1850.0	1827.6	1816.0
165°	1899.7	1902.3	1912.8	1923.3	1912.8	1902.3	1899.7	1875.7	1843.6	1827.6	1822.3
167.5°	1887.2	1888.3	1892.8	1897.2	1892.8	1888.3	1887.2	1871.5	1850.5	1840.0	1835.6
170°	1887.2	1887.2	1887.2	1887.2	1887.2	1887.2	1887.2	1871.5	1850.5	1840.0	1839.7
172.5°	1877.3	1876.3	1872.5	1868.6	1872.5	1876.3	1877.3	1864.8	1848.3	1840.0	1840.0
175°	1863.6	1863.6	1863.6	1863.6	1863.6	1863.6	1863.6	1855.7	1845.3	1840.0	1842.5
177.5°	1861.1	1860.0	1855.5	1851.2	1855.5	1860.0	1861.1	1855.0	1846.7	1842.5	1844.4
180°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1412.1	1412.1	1412.1	1412.1	1412.1
2.5°	1394.7	1401.4	1405.5	1410.7	1424.1
5°	1341.3	1366.7	1374.7	1394.7	1418.8
7.5°	1223.7	1301.2	1322.6	1370.7	1408.0
10°	1110.1	1187.6	1225.1	1338.6	1394.7
12.5°	1052.7	1098.2	1123.5	1282.5	1376.0
15°	1016.6	1048.7	1067.4	1207.6	1354.7
17.5°	988.6	1011.3	1024.7	1134.2	1325.3
20°	971.2	982.0	993.9	1080.8	1291.8
22.5°	959.2	952.6	961.8	1043.4	1246.4
25°	951.2	925.8	936.5	1014.0	1193.0
27.5°	957.9	901.8	905.8	987.2	1136.9
30°	959.2	872.4	873.7	959.2	1074.1
32.5°	949.9	841.6	843.0	924.5	1003.3
35°	927.2	805.6	804.3	884.3	907.1
37.5°	896.4	766.8	766.8	840.3	801.6
40°	859.0	728.1	732.1	782.9	708.1
42.5°	813.6	686.6	692.0	706.8	638.5
45°	764.1	646.6	650.6	597.2	585.2
47.5°	709.4	605.2	606.6	495.6	567.8
50°	643.9	562.4	557.1	424.8	566.4
52.5°	586.4	515.6	499.6	384.8	514.3
55°	530.4	466.2	431.5	354.0	476.9
57.5°	481.0	402.1	368.7	317.9	468.9
60°	435.6	339.3	313.9	279.2	430.2
62.5°	398.1	292.5	287.2	252.5	390.1
65°	358.1	260.6	259.2	229.8	331.3
67.5°	319.3	239.1	237.8	208.4	252.5
70°	277.9	216.4	213.7	185.7	187.0
72.5°	235.2	191.0	188.3	167.0	155.0
75°	192.3	161.7	160.4	145.6	125.6
77.5°	151.0	128.3	130.9	117.5	92.2
80°	108.2	93.5	96.2	84.2	69.4
82.5°	72.1	61.5	64.1	53.5	46.7
85°	40.0	34.8	36.1	28.1	21.4
87.5°	18.7	16.0	16.0	10.7	6.7
90°	54.7	34.8	32.3	22.4	12.4
92.5°	337.1	239.8	218.7	134.2	49.7
95°	829.5	467.1	428.5	273.9	119.3
97.5°	1117.4	513.1	479.1	342.6	206.3
100°	1222.2	551.7	520.7	397.0	273.3
102.5°	1270.2	590.1	561.2	445.9	330.5
105°	1305.8	647.3	622.9	525.1	427.4
107.5°	1312.4	731.8	709.0	617.9	526.8
110°	1302.5	779.0	758.5	676.2	593.9



TEST NUMBER: P935892

CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1302.9	836.1	816.5	738.1	659.8
115°	1314.9	921.9	903.8	831.5	759.2
117.5°	1339.3	1005.2	988.7	923.0	857.3
120°	1359.2	1053.6	1038.1	976.3	914.4
122.5°	1387.8	1110.7	1095.1	1032.8	970.3
125°	1426.3	1184.0	1169.8	1112.9	1056.1
127.5°	1464.8	1254.9	1240.5	1183.0	1125.7
130°	1493.0	1302.1	1286.6	1224.8	1162.9
132.5°	1515.8	1340.6	1325.2	1263.3	1201.5
135°	1540.6	1385.3	1371.3	1314.9	1258.5
137.5°	1577.9	1442.4	1428.5	1372.8	1317.0
140°	1600.7	1481.0	1468.1	1416.8	1365.4
142.5°	1619.7	1509.5	1497.7	1450.2	1402.7
145°	1644.6	1553.1	1542.7	1501.3	1459.8
147.5°	1681.0	1607.7	1597.7	1557.3	1517.0
150°	1700.0	1636.2	1627.2	1590.7	1554.3
152.5°	1712.5	1655.0	1648.1	1620.4	1592.8
155°	1739.8	1695.9	1690.8	1670.4	1650.0
157.5°	1767.1	1736.9	1731.9	1712.1	1692.2
160°	1779.6	1755.5	1751.7	1736.2	1720.8
162.5°	1792.8	1775.5	1772.6	1760.9	1749.4
165°	1811.8	1804.0	1801.4	1790.8	1780.4
167.5°	1826.8	1820.2	1818.9	1813.9	1808.9
170°	1839.2	1838.8	1837.5	1832.5	1827.6
172.5°	1840.0	1840.0	1839.7	1838.6	1837.5
175°	1847.5	1851.2	1851.2	1851.2	1851.2
177.5°	1848.3	1851.2	1851.2	1851.2	1851.2
180°	1851.2	1851.2	1851.2	1851.2	1851.2



TEST NUMBER: P935892
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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	8.13	8.79	9.29	9.94	11.54	10.97	11.63	12.12	12.77	14.38
	3H	8.59	9.18	9.75	10.34	11.96	12.30	12.89	13.46	14.04	15.67
	4H	8.77	9.34	9.94	10.49	12.11	12.73	13.30	13.91	14.45	16.08
	6H	8.88	9.40	10.06	10.55	12.19	13.01	13.53	14.19	14.68	16.32
	8H	8.88	9.37	10.06	10.54	12.17	13.08	13.57	14.26	14.74	16.37
	12H	8.84	9.31	10.03	10.47	12.12	13.11	13.58	14.30	14.74	16.40
4H	2H	9.14	9.70	10.32	10.85	12.48	11.35	11.91	12.53	13.07	14.69
	3H	10.15	10.62	11.33	11.79	13.43	12.84	13.31	14.02	14.49	16.12
	4H	10.41	10.85	11.60	12.01	13.67	13.36	13.79	14.55	14.96	16.62
	6H	10.53	10.90	11.72	12.09	13.73	13.72	14.09	14.91	15.27	16.92
	8H	10.53	10.87	11.72	12.05	13.72	13.82	14.17	15.01	15.34	17.01
	12H	10.49	10.80	11.69	11.99	13.66	13.87	14.18	15.07	15.37	17.04
8H	4H	10.85	11.20	12.04	12.38	14.04	13.47	13.81	14.66	14.99	16.66
	6H	11.11	11.39	12.31	12.61	14.27	13.90	14.18	15.11	15.41	17.06
	8H	11.15	11.39	12.36	12.59	14.27	14.05	14.30	15.26	15.50	17.18
	12H	11.12	11.34	12.34	12.54	14.25	14.14	14.36	15.36	15.56	17.27
12H	4H	10.85	11.16	12.05	12.35	14.02	13.42	13.74	14.63	14.93	16.59
	6H	11.17	11.41	12.38	12.61	14.29	13.89	14.14	15.11	15.34	17.02
	8H	11.22	11.44	12.44	12.64	14.35	14.05	14.27	15.26	15.46	17.17