

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: P934225

Luminaire Tested: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934225
REPORT IS A COMBINATION OF REPORTS P933689 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

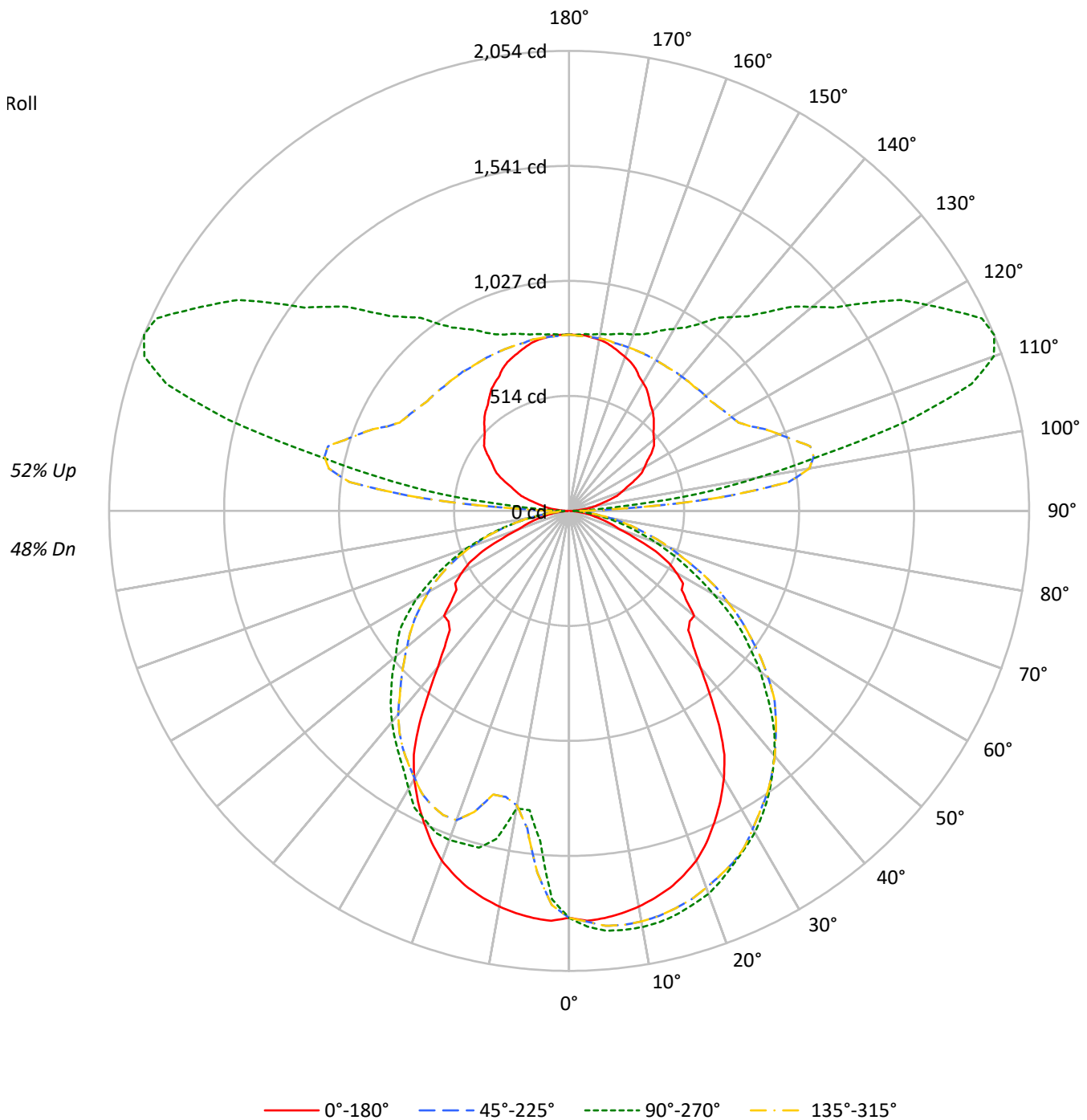
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9813.9 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 85.2
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

TEST NUMBER: P934225
CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P934225

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

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	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	89	86	83	80	72	70	68	60	58	56	48	47	46	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29
4	74	63	55	49	68	58	52	46	50	44	40	41	37	34	33	31	28	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13
10	47	34	27	22	43	32	26	21	28	22	19	23	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5618	5618	5618	5618
5°	5662	5671	5662	4459
10°	5627	5587	5627	3994
15°	5567	5466	5567	4564
20°	5453	5322	5453	4573
25°	5217	5113	5217	4477
30°	4911	4939	4911	4264
35°	4380	4720	4380	4030
40°	3652	4461	3652	3853
45°	3265	4159	3265	3650
50°	3472	3798	3472	3446
55°	3269	3409	3269	3328
60°	3375	2895	3375	3048
65°	3065	2393	3065	2675
70°	2127	1908	2127	2243
75°	1872	1410	1872	1688
80°	1519	932	1519	1015
85°	891	494	891	419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5002 cd/sqm



TEST NUMBER: P934225

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.0	1.7
10°-20°	465.5	4.7
20°-30°	719.6	7.3
30°-40°	859.1	8.8
40°-50°	864.1	8.8
50°-60°	751.9	7.7
60°-70°	533.1	5.4
70°-80°	282.0	2.9
80°-90°	73.3	0.7
90°-100°	383.6	3.9
100°-110°	1008.4	10.3
110°-120°	1045.6	10.7
120°-130°	838.7	8.5
130°-140°	658.1	6.7
140°-150°	505.1	5.1
150°-160°	363.8	3.7
160°-170°	222.6	2.3
170°-180°	75.2	0.8
0°-30°	1349.1	13.7
0°-40°	2208.2	22.5
0°-60°	3824.3	39.0
0°-90°	4712.7	48.0
90°-120°	2437.7	24.8
90°-150°	4439.6	45.2
90°-180°	5101.0	52.0
0°-180°	9813.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1816	1816	1816	1816	1816	
5°	1825	1882	1825	1480	1825	173
15°	1742	1865	1742	1557	1742	490
25°	1535	1739	1535	1523	1535	705
35°	1167	1552	1167	1325	1167	722
45°	753	1278	753	1122	753	603
55°	614	944	614	921	614	564
65°	426	569	426	636	426	407
75°	162	270	162	323	162	170
85°	28	69	28	58	28	37
90°	5	20	5	20	5	6
95°	51	232	51	232	51	56
105°	182	1579	182	1579	182	193
115°	323	2033	323	2033	323	319
125°	449	1619	449	1619	449	399
135°	535	1256	535	1256	535	414
145°	620	1019	620	1019	620	389
155°	701	878	701	878	701	322
165°	757	818	757	818	757	214
175°	787	792	787	792	787	75
180°	787	787	787	787	787	



TEST NUMBER: P934225
 CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1831.8	1831.8	1842.2	1845.6	1845.6	1840.5	1835.4	1840.5	1855.9	1861.1	1859.4
5°	1825.0	1838.8	1857.6	1861.1	1864.6	1862.9	1859.4	1862.9	1880.0	1883.4	1885.1
7.5°	1811.3	1837.1	1861.1	1866.3	1871.4	1866.3	1864.6	1868.0	1885.1	1888.6	1888.6
10°	1794.1	1830.1	1857.6	1861.1	1866.3	1861.1	1861.1	1868.0	1885.1	1888.6	1890.4
12.5°	1770.0	1819.9	1845.6	1849.1	1855.9	1854.2	1852.5	1859.4	1876.6	1880.0	1880.0
15°	1742.5	1800.9	1825.0	1828.4	1840.5	1837.1	1837.1	1843.9	1862.9	1868.0	1866.3
17.5°	1704.8	1776.9	1804.4	1809.6	1818.2	1816.4	1818.2	1825.0	1842.2	1845.6	1847.4
20°	1661.8	1744.2	1776.9	1782.1	1790.7	1790.7	1790.7	1799.2	1816.4	1823.3	1823.3
22.5°	1603.4	1709.9	1744.2	1747.7	1758.0	1758.0	1761.5	1773.4	1788.9	1790.7	1790.7
25°	1534.6	1672.0	1701.3	1711.6	1721.9	1727.0	1732.3	1739.1	1744.2	1742.5	1744.2
27.5°	1462.4	1624.0	1661.8	1668.6	1682.4	1687.5	1694.4	1696.1	1697.8	1703.0	1699.5
30°	1381.6	1556.9	1613.6	1620.5	1642.8	1646.3	1639.4	1642.8	1651.5	1654.9	1658.3
32.5°	1290.6	1457.2	1563.8	1579.3	1599.9	1589.6	1587.8	1593.0	1606.8	1606.8	1610.2
35°	1166.8	1379.9	1517.4	1531.2	1546.7	1534.6	1541.4	1543.2	1551.8	1556.9	1555.2
37.5°	1031.1	1312.9	1469.3	1479.6	1491.6	1476.2	1486.4	1491.6	1498.5	1495.1	1495.1
40°	910.8	1208.1	1412.6	1419.5	1429.7	1417.8	1428.0	1431.5	1434.9	1431.5	1429.7
42.5°	821.4	1092.9	1352.4	1361.1	1354.1	1362.8	1366.2	1373.1	1367.9	1361.1	1361.1
45°	752.7	1062.0	1287.2	1297.4	1287.2	1300.9	1306.0	1306.0	1290.6	1287.2	1285.4
47.5°	730.4	1000.2	1221.8	1221.8	1216.7	1233.9	1242.4	1230.5	1215.0	1209.8	1209.8
50°	728.7	931.4	1132.5	1125.6	1149.7	1170.2	1161.7	1149.7	1137.6	1118.7	1118.7
52.5°	661.6	847.2	1017.4	1043.1	1080.9	1092.9	1079.2	1067.1	1046.6	1037.9	1031.1
55°	613.5	759.6	912.5	964.1	1003.6	1019.1	993.3	981.2	950.3	945.2	941.8
57.5°	603.2	632.4	816.3	881.5	929.7	928.0	912.5	890.2	864.4	859.3	857.5
60°	553.4	457.1	713.2	790.5	840.3	835.2	821.4	800.8	776.7	773.3	769.9
62.5°	501.8	331.7	596.3	684.0	754.4	752.7	740.7	709.7	692.5	684.0	677.1
65°	426.2	278.4	424.5	568.8	670.2	673.7	647.9	625.6	606.6	596.3	594.6
67.5°	324.8	226.9	287.0	474.3	589.4	586.0	553.4	543.1	519.0	513.8	503.5
70°	240.6	151.3	199.4	385.0	510.4	501.8	476.0	464.0	441.7	429.6	422.7
72.5°	199.4	122.0	146.1	299.0	429.6	419.3	397.0	383.2	364.3	354.0	347.1
75°	161.5	128.9	111.7	221.6	348.8	342.0	321.3	307.6	292.1	278.4	280.1
77.5°	118.6	120.3	89.3	163.2	276.7	266.4	254.4	237.2	230.3	216.5	216.5
80°	89.3	94.6	67.0	111.7	199.4	199.4	189.0	177.0	164.9	158.1	158.1
82.5°	60.1	60.1	49.8	70.5	135.7	130.6	123.8	120.3	113.4	110.0	110.0
85°	27.5	34.3	30.9	43.0	73.9	77.3	77.3	73.9	72.2	68.8	70.5
87.5°	8.6	15.5	18.9	24.1	37.8	39.5	41.3	41.3	41.3	43.0	43.0
90°	5.3	9.5	13.8	14.8	23.2	34.5	40.1	35.7	26.7	20.1	20.1
92.5°	21.1	57.0	92.9	101.9	143.2	198.4	226.0	198.1	142.2	100.4	96.3
95°	50.7	116.4	182.2	198.6	352.6	558.0	660.7	589.5	447.3	340.6	328.5
97.5°	87.6	145.6	203.6	218.1	475.0	817.4	988.7	943.7	853.8	786.4	763.4
100°	116.2	168.8	221.3	234.5	519.5	899.5	1089.5	1092.8	1099.3	1104.3	1076.9
102.5°	140.5	189.5	238.6	250.9	539.9	925.4	1118.1	1175.3	1289.8	1375.7	1352.3
105°	181.7	223.2	264.7	275.1	555.0	928.3	1114.9	1243.3	1500.0	1692.6	1680.0
107.5°	224.0	262.6	301.4	311.1	557.9	887.0	1051.5	1230.6	1588.8	1857.5	1860.5
110°	252.5	287.4	322.4	331.1	553.6	850.4	998.7	1198.9	1599.4	1899.7	1912.8



TEST NUMBER: P934225

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	280.4	313.7	347.0	355.4	553.8	818.3	950.6	1155.5	1565.4	1872.8	1892.9
115°	322.7	353.4	384.2	391.9	558.9	781.7	893.1	1090.5	1485.2	1781.4	1809.4
117.5°	364.4	392.3	420.2	427.2	569.3	758.7	853.4	1031.6	1387.9	1655.1	1686.1
120°	388.7	415.0	441.2	447.8	577.7	751.0	837.6	1000.4	1325.9	1570.1	1600.3
122.5°	412.5	439.0	465.5	472.2	589.9	746.9	825.4	972.0	1265.2	1485.1	1514.8
125°	448.9	473.1	497.3	503.3	606.3	743.6	812.3	936.8	1185.8	1372.6	1400.0
127.5°	478.5	502.9	527.3	533.4	622.7	741.6	801.2	908.1	1121.9	1282.3	1305.4
130°	494.4	520.7	546.9	553.5	634.6	742.8	797.0	892.1	1082.5	1225.2	1246.6
132.5°	510.7	537.0	563.3	569.9	644.4	743.6	793.2	878.5	1048.9	1176.6	1195.8
135°	535.0	558.9	582.9	588.8	654.9	742.9	786.9	858.3	1001.0	1108.1	1124.5
137.5°	559.8	583.5	607.3	613.2	670.7	747.5	785.9	846.2	966.9	1057.3	1070.8
140°	580.4	602.2	624.0	629.5	680.4	748.2	782.1	834.2	938.5	1016.7	1029.3
142.5°	596.3	616.4	636.7	641.7	688.5	750.9	782.1	827.9	919.5	988.1	999.0
145°	620.5	638.1	655.7	660.2	699.1	750.9	776.9	814.3	889.2	945.3	953.5
147.5°	644.9	661.9	679.1	683.4	714.6	756.2	776.9	806.4	865.3	909.5	916.3
150°	660.7	676.1	691.7	695.5	722.7	758.8	776.9	801.8	851.5	888.8	894.4
152.5°	677.1	688.8	700.6	703.5	728.0	760.6	776.9	798.2	840.6	872.5	876.7
155°	701.3	710.0	718.7	720.9	739.6	764.4	776.9	793.8	827.6	852.9	855.7
157.5°	719.3	727.8	736.2	738.3	751.2	768.4	776.9	790.1	816.3	836.0	838.0
160°	731.5	738.1	744.6	746.3	756.5	770.1	776.9	788.2	810.7	827.6	828.7
162.5°	743.6	748.6	753.5	754.7	762.1	772.0	776.9	786.4	805.4	819.6	820.6
165°	756.8	761.3	765.7	766.8	770.2	774.7	776.9	783.7	797.3	807.5	808.6
167.5°	769.0	771.0	773.2	773.7	776.5	780.2	782.1	786.6	795.5	802.2	802.7
170°	776.9	779.0	781.1	781.6	781.8	782.0	782.1	786.6	795.5	802.2	802.2
172.5°	781.1	781.5	782.0	782.1	782.1	782.1	782.1	785.6	792.7	798.0	797.6
175°	786.9	786.9	786.9	786.9	785.3	783.1	782.1	784.3	788.9	792.2	792.2
177.5°	786.9	786.9	786.9	786.9	785.7	784.1	783.2	785.0	788.5	791.2	790.7
180°	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9



TEST NUMBER: P934225
 CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1862.9	1857.6	1862.9	1859.4	1861.1	1855.9	1840.5	1835.4	1840.5	1845.6	1845.6
5°	1885.1	1881.7	1885.1	1885.1	1883.4	1880.0	1862.9	1859.4	1862.9	1864.6	1861.1
7.5°	1892.1	1886.9	1892.1	1888.6	1888.6	1885.1	1868.0	1864.6	1866.3	1871.4	1866.3
10°	1892.1	1886.9	1892.1	1890.4	1888.6	1885.1	1868.0	1861.1	1861.1	1866.3	1861.1
12.5°	1883.4	1880.0	1883.4	1880.0	1880.0	1876.6	1859.4	1852.5	1854.2	1855.9	1849.1
15°	1869.7	1864.6	1869.7	1866.3	1868.0	1862.9	1843.9	1837.1	1837.1	1840.5	1828.4
17.5°	1849.1	1842.2	1849.1	1847.4	1845.6	1842.2	1825.0	1818.2	1816.4	1818.2	1809.6
20°	1825.0	1819.9	1825.0	1823.3	1823.3	1816.4	1799.2	1790.7	1790.7	1790.7	1782.1
22.5°	1787.2	1782.1	1787.2	1790.7	1790.7	1788.9	1773.4	1761.5	1758.0	1758.0	1747.7
25°	1744.2	1739.1	1744.2	1744.2	1742.5	1744.2	1739.1	1732.3	1727.0	1721.9	1711.6
27.5°	1703.0	1699.5	1703.0	1699.5	1703.0	1697.8	1696.1	1694.4	1687.5	1682.4	1668.6
30°	1661.8	1658.3	1661.8	1658.3	1654.9	1651.5	1642.8	1639.4	1646.3	1642.8	1620.5
32.5°	1610.2	1606.8	1610.2	1610.2	1606.8	1606.8	1593.0	1587.8	1589.6	1599.9	1579.3
35°	1556.9	1551.8	1556.9	1555.2	1556.9	1551.8	1543.2	1541.4	1534.6	1546.7	1531.2
37.5°	1495.1	1489.9	1495.1	1495.1	1495.1	1498.5	1491.6	1486.4	1476.2	1491.6	1479.6
40°	1431.5	1424.6	1431.5	1429.7	1431.5	1434.9	1431.5	1428.0	1417.8	1429.7	1419.5
42.5°	1359.3	1357.6	1359.3	1361.1	1361.1	1367.9	1373.1	1366.2	1362.8	1354.1	1361.1
45°	1282.0	1278.5	1282.0	1285.4	1287.2	1290.6	1306.0	1306.0	1300.9	1287.2	1297.4
47.5°	1199.5	1190.9	1199.5	1209.8	1209.8	1215.0	1230.5	1242.4	1233.9	1216.7	1221.8
50°	1111.8	1113.5	1111.8	1118.7	1118.7	1137.6	1149.7	1161.7	1170.2	1149.7	1125.6
52.5°	1025.9	1024.2	1025.9	1031.1	1037.9	1046.6	1067.1	1079.2	1092.9	1080.9	1043.1
55°	940.0	943.5	940.0	941.8	945.2	950.3	981.2	993.3	1019.1	1003.6	964.1
57.5°	854.0	848.9	854.0	857.5	859.3	864.4	890.2	912.5	928.0	929.7	881.5
60°	754.4	747.5	754.4	769.9	773.3	776.7	800.8	821.4	835.2	840.3	790.5
62.5°	666.7	654.8	666.7	677.1	684.0	692.5	709.7	740.7	752.7	754.4	684.0
65°	574.0	568.8	574.0	594.6	596.3	606.6	625.6	647.9	673.7	670.2	568.8
67.5°	489.8	489.8	489.8	503.5	513.8	519.0	543.1	553.4	586.0	589.4	474.3
70°	412.5	410.8	412.5	422.7	429.6	441.7	464.0	476.0	501.8	510.4	385.0
72.5°	338.6	336.8	338.6	347.1	354.0	364.3	383.2	397.0	419.3	429.6	299.0
75°	273.2	269.8	273.2	280.1	278.4	292.1	307.6	321.3	342.0	348.8	221.6
77.5°	209.7	209.7	209.7	216.5	216.5	230.3	237.2	254.4	266.4	276.7	163.2
80°	156.4	154.7	156.4	158.1	158.1	164.9	177.0	189.0	199.4	199.4	111.7
82.5°	110.0	106.5	110.0	110.0	110.0	113.4	120.3	123.8	130.6	135.7	70.5
85°	68.8	68.8	68.8	70.5	68.8	72.2	73.9	77.3	77.3	73.9	43.0
87.5°	44.7	43.0	44.7	43.0	43.0	41.3	41.3	41.3	39.5	37.8	24.1
90°	20.1	20.1	20.1	20.1	20.1	26.7	35.7	40.1	34.5	23.2	14.8
92.5°	80.4	64.4	80.4	96.3	100.4	142.2	198.1	226.0	198.4	143.2	101.9
95°	280.2	231.8	280.2	328.5	340.6	447.3	589.5	660.7	558.0	352.6	198.6
97.5°	671.3	579.4	671.3	763.4	786.4	853.8	943.7	988.7	817.4	475.0	218.1
100°	967.3	857.7	967.3	1076.9	1104.3	1099.3	1092.8	1089.5	899.5	519.5	234.5
102.5°	1258.4	1164.5	1258.4	1352.3	1375.7	1289.8	1175.3	1118.1	925.4	539.9	250.9
105°	1629.6	1579.1	1629.6	1680.0	1692.6	1500.0	1243.3	1114.9	928.3	555.0	275.1
107.5°	1872.7	1884.9	1872.7	1860.5	1857.5	1588.8	1230.6	1051.5	887.0	557.9	311.1
110°	1965.3	2018.0	1965.3	1912.8	1899.7	1599.4	1198.9	998.7	850.4	553.6	331.1



TEST NUMBER: P934225

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1973.7	2054.4	1973.7	1892.9	1872.8	1565.4	1155.5	950.6	818.3	553.8	355.4
115°	1921.4	2033.3	1921.4	1809.4	1781.4	1485.2	1090.5	893.1	781.7	558.9	391.9
117.5°	1810.3	1934.5	1810.3	1686.1	1655.1	1387.9	1031.6	853.4	758.7	569.3	427.2
120°	1721.0	1841.6	1721.0	1600.3	1570.1	1325.9	1000.4	837.6	751.0	577.7	447.8
122.5°	1633.9	1752.8	1633.9	1514.8	1485.1	1265.2	972.0	825.4	746.9	589.9	472.2
125°	1509.6	1619.3	1509.6	1400.0	1372.6	1185.8	936.8	812.3	743.6	606.3	503.3
127.5°	1397.9	1490.4	1397.9	1305.4	1282.3	1121.9	908.1	801.2	741.6	622.7	533.4
130°	1332.1	1417.5	1332.1	1246.6	1225.2	1082.5	892.1	797.0	742.8	634.6	553.5
132.5°	1272.3	1348.8	1272.3	1195.8	1176.6	1048.9	878.5	793.2	743.6	644.4	569.9
135°	1190.5	1256.4	1190.5	1124.5	1108.1	1001.0	858.3	786.9	742.9	654.9	588.8
137.5°	1124.8	1178.8	1124.8	1070.8	1057.3	966.9	846.2	785.9	747.5	670.7	613.2
140°	1079.7	1130.2	1079.7	1029.3	1016.7	938.5	834.2	782.1	748.2	680.4	629.5
142.5°	1042.5	1085.9	1042.5	999.0	988.1	919.5	827.9	782.1	750.9	688.5	641.7
145°	986.4	1019.3	986.4	953.5	945.3	889.2	814.3	776.9	750.9	699.1	660.2
147.5°	943.5	970.7	943.5	916.3	909.5	865.3	806.4	776.9	756.2	714.6	683.4
150°	916.4	938.5	916.4	894.4	888.8	851.5	801.8	776.9	758.8	722.7	695.5
152.5°	893.3	910.0	893.3	876.7	872.5	840.6	798.2	776.9	760.6	728.0	703.5
155°	866.8	877.8	866.8	855.7	852.9	827.6	793.8	776.9	764.4	739.6	720.9
157.5°	845.7	853.4	845.7	838.0	836.0	816.3	790.1	776.9	768.4	751.2	738.3
160°	833.2	837.6	833.2	828.7	827.6	810.7	788.2	776.9	770.1	756.5	746.3
162.5°	824.9	829.2	824.9	820.6	819.6	805.4	786.4	776.9	772.0	762.1	754.7
165°	813.1	817.6	813.1	808.6	807.5	797.3	783.7	776.9	774.7	770.2	766.8
167.5°	804.6	806.5	804.6	802.7	802.2	795.5	786.6	782.1	780.2	776.5	773.7
170°	802.2	802.2	802.2	802.2	802.2	795.5	786.6	782.1	782.0	781.8	781.6
172.5°	796.0	794.3	796.0	797.6	798.0	792.7	785.6	782.1	782.1	782.1	782.1
175°	792.2	792.2	792.2	792.2	792.2	788.9	784.3	782.1	783.1	785.3	786.9
177.5°	788.8	786.9	788.8	790.7	791.2	788.5	785.0	783.2	784.1	785.7	786.9
180°	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9



TEST NUMBER: P934225

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1842.2	1831.8	1831.8	1814.7	1807.8	1802.6	1794.1	1768.3	1761.5	1754.5	1764.9
5°	1857.6	1838.8	1825.0	1794.1	1768.3	1758.0	1725.3	1663.5	1622.2	1591.3	1574.2
7.5°	1861.1	1837.1	1811.3	1763.2	1701.3	1673.7	1574.2	1460.7	1429.7	1402.3	1385.1
10°	1857.6	1830.1	1794.1	1721.9	1575.9	1527.7	1428.0	1354.1	1335.3	1330.1	1335.3
12.5°	1845.6	1819.9	1770.0	1649.7	1445.3	1412.6	1354.1	1311.2	1307.8	1316.4	1362.8
15°	1825.0	1800.9	1742.5	1553.5	1373.1	1349.0	1307.8	1292.3	1311.2	1371.3	1510.5
17.5°	1804.4	1776.9	1704.8	1459.0	1318.1	1300.9	1271.6	1302.6	1409.1	1489.9	1536.3
20°	1776.9	1744.2	1661.8	1390.3	1278.5	1263.1	1249.3	1388.6	1469.3	1498.5	1524.3
22.5°	1744.2	1709.9	1603.4	1342.1	1237.3	1225.2	1233.9	1436.6	1469.3	1489.9	1512.2
25°	1701.3	1672.0	1534.6	1304.3	1204.7	1190.9	1223.5	1431.5	1450.4	1455.5	1500.2
27.5°	1661.8	1624.0	1462.4	1269.9	1165.1	1160.0	1232.2	1409.1	1422.9	1428.0	1476.2
30°	1613.6	1556.9	1381.6	1233.9	1123.9	1122.2	1233.9	1381.6	1378.2	1392.0	1440.1
32.5°	1563.8	1457.2	1290.6	1189.2	1084.3	1082.6	1221.8	1340.4	1337.0	1355.8	1392.0
35°	1517.4	1379.9	1166.8	1137.6	1034.5	1036.2	1192.6	1292.3	1294.0	1311.2	1333.6
37.5°	1469.3	1312.9	1031.1	1080.9	986.4	986.4	1153.1	1247.6	1244.2	1249.3	1280.3
40°	1412.6	1208.1	910.8	1007.0	941.8	936.6	1105.0	1199.5	1187.5	1185.8	1228.7
42.5°	1352.4	1092.9	821.4	909.0	890.2	883.3	1046.6	1141.0	1118.7	1123.9	1178.9
45°	1287.2	1062.0	752.7	768.1	836.9	831.7	982.9	1074.1	1058.6	1072.4	1129.1
47.5°	1221.8	1000.2	730.4	637.5	780.2	778.5	912.5	1008.7	1000.2	1013.9	1074.1
50°	1132.5	931.4	728.7	546.5	716.6	723.4	828.3	945.2	945.2	957.2	1020.8
52.5°	1017.4	847.2	661.6	494.9	642.7	663.3	754.4	890.2	893.6	905.6	962.3
55°	912.5	759.6	613.5	455.4	555.1	599.8	682.2	833.5	840.3	852.3	903.9
57.5°	816.3	632.4	603.2	409.0	474.3	517.3	618.6	778.5	781.9	792.2	842.1
60°	713.2	457.1	553.4	359.2	403.8	436.5	560.2	713.2	725.2	732.1	775.0
62.5°	596.3	331.7	501.8	324.8	369.5	376.3	512.1	651.3	666.7	671.9	697.7
65°	424.5	278.4	426.2	295.6	333.4	335.1	460.5	587.7	601.5	610.0	629.0
67.5°	287.0	226.9	324.8	268.1	305.9	307.6	410.8	513.8	532.7	539.6	551.6
70°	199.4	151.3	240.6	238.9	274.9	278.4	357.5	446.8	464.0	469.2	476.0
72.5°	146.1	122.0	199.4	214.8	242.3	245.7	302.4	371.2	388.4	393.5	397.0
75°	111.7	128.9	161.5	187.3	206.2	207.9	247.4	302.4	314.5	317.9	319.6
77.5°	89.3	120.3	118.6	151.3	168.4	164.9	194.2	233.7	244.0	244.0	244.0
80°	67.0	94.6	89.3	108.3	123.8	120.3	139.2	166.7	170.1	173.6	171.9
82.5°	49.8	60.1	60.1	68.8	82.5	79.1	92.8	108.3	108.3	108.3	111.7
85°	30.9	34.3	27.5	36.1	46.4	44.7	51.6	58.4	60.1	60.1	56.7
87.5°	18.9	15.5	8.6	13.8	20.6	20.6	24.1	25.8	24.1	24.1	24.1
90°	13.8	9.5	5.3	9.5	13.8	14.8	23.2	34.5	40.1	35.7	26.7
92.5°	92.9	57.0	21.1	57.0	92.9	101.9	143.2	198.4	226.0	198.1	142.2
95°	182.2	116.4	50.7	116.4	182.2	198.6	352.6	558.0	660.7	589.5	447.3
97.5°	203.6	145.6	87.6	145.6	203.6	218.1	475.0	817.4	988.7	943.7	853.8
100°	221.3	168.8	116.2	168.8	221.3	234.5	519.5	899.5	1089.5	1092.8	1099.3
102.5°	238.6	189.5	140.5	189.5	238.6	250.9	539.9	925.4	1118.1	1175.3	1289.8
105°	264.7	223.2	181.7	223.2	264.7	275.1	555.0	928.3	1114.9	1243.3	1500.0
107.5°	301.4	262.6	224.0	262.6	301.4	311.1	557.9	887.0	1051.5	1230.6	1588.8
110°	322.4	287.4	252.5	287.4	322.4	331.1	553.6	850.4	998.7	1198.9	1599.4



TEST NUMBER: P934225

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	347.0	313.7	280.4	313.7	347.0	355.4	553.8	818.3	950.6	1155.5	1565.4
115°	384.2	353.4	322.7	353.4	384.2	391.9	558.9	781.7	893.1	1090.5	1485.2
117.5°	420.2	392.3	364.4	392.3	420.2	427.2	569.3	758.7	853.4	1031.6	1387.9
120°	441.2	415.0	388.7	415.0	441.2	447.8	577.7	751.0	837.6	1000.4	1325.9
122.5°	465.5	439.0	412.5	439.0	465.5	472.2	589.9	746.9	825.4	972.0	1265.2
125°	497.3	473.1	448.9	473.1	497.3	503.3	606.3	743.6	812.3	936.8	1185.8
127.5°	527.3	502.9	478.5	502.9	527.3	533.4	622.7	741.6	801.2	908.1	1121.9
130°	546.9	520.7	494.4	520.7	546.9	553.5	634.6	742.8	797.0	892.1	1082.5
132.5°	563.3	537.0	510.7	537.0	563.3	569.9	644.4	743.6	793.2	878.5	1048.9
135°	582.9	558.9	535.0	558.9	582.9	588.8	654.9	742.9	786.9	858.3	1001.0
137.5°	607.3	583.5	559.8	583.5	607.3	613.2	670.7	747.5	785.9	846.2	966.9
140°	624.0	602.2	580.4	602.2	624.0	629.5	680.4	748.2	782.1	834.2	938.5
142.5°	636.7	616.4	596.3	616.4	636.7	641.7	688.5	750.9	782.1	827.9	919.5
145°	655.7	638.1	620.5	638.1	655.7	660.2	699.1	750.9	776.9	814.3	889.2
147.5°	679.1	661.9	644.9	661.9	679.1	683.4	714.6	756.2	776.9	806.4	865.3
150°	691.7	676.1	660.7	676.1	691.7	695.5	722.7	758.8	776.9	801.8	851.5
152.5°	700.6	688.8	677.1	688.8	700.6	703.5	728.0	760.6	776.9	798.2	840.6
155°	718.7	710.0	701.3	710.0	718.7	720.9	739.6	764.4	776.9	793.8	827.6
157.5°	736.2	727.8	719.3	727.8	736.2	738.3	751.2	768.4	776.9	790.1	816.3
160°	744.6	738.1	731.5	738.1	744.6	746.3	756.5	770.1	776.9	788.2	810.7
162.5°	753.5	748.6	743.6	748.6	753.5	754.7	762.1	772.0	776.9	786.4	805.4
165°	765.7	761.3	756.8	761.3	765.7	766.8	770.2	774.7	776.9	783.7	797.3
167.5°	773.2	771.0	769.0	771.0	773.2	773.7	776.5	780.2	782.1	786.6	795.5
170°	781.1	779.0	776.9	779.0	781.1	781.6	781.8	782.0	782.1	786.6	795.5
172.5°	782.0	781.5	781.1	781.5	782.0	782.1	782.1	782.1	782.1	785.6	792.7
175°	786.9	786.9	786.9	786.9	786.9	786.9	785.3	783.1	782.1	784.3	788.9
177.5°	786.9	786.9	786.9	786.9	786.9	786.9	785.7	784.1	783.2	785.0	788.5
180°	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9



TEST NUMBER: P934225

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1752.8	1747.7	1754.5	1735.7	1754.5	1747.7	1752.8	1764.9	1754.5	1761.5	1768.3
5°	1538.0	1529.4	1502.0	1479.6	1502.0	1529.4	1538.0	1574.2	1591.3	1622.2	1663.5
7.5°	1374.8	1367.9	1361.1	1347.3	1361.1	1367.9	1374.8	1385.1	1402.3	1429.7	1460.7
10°	1338.7	1340.4	1350.7	1349.0	1350.7	1340.4	1338.7	1335.3	1330.1	1335.3	1354.1
12.5°	1431.5	1447.0	1503.7	1500.2	1503.7	1447.0	1431.5	1362.8	1316.4	1307.8	1311.2
15°	1538.0	1543.2	1555.2	1556.9	1555.2	1543.2	1538.0	1510.5	1371.3	1311.2	1292.3
17.5°	1548.4	1550.1	1558.6	1558.6	1558.6	1550.1	1548.4	1536.3	1489.9	1409.1	1302.6
20°	1539.7	1543.2	1560.4	1563.8	1560.4	1543.2	1539.7	1524.3	1498.5	1469.3	1388.6
22.5°	1536.3	1543.2	1556.9	1555.2	1556.9	1543.2	1536.3	1512.2	1489.9	1469.3	1436.6
25°	1519.2	1519.2	1520.9	1522.6	1520.9	1519.2	1519.2	1500.2	1455.5	1450.4	1431.5
27.5°	1483.0	1486.4	1496.8	1495.1	1496.8	1486.4	1483.0	1476.2	1428.0	1422.9	1409.1
30°	1450.4	1447.0	1438.4	1431.5	1438.4	1447.0	1450.4	1440.1	1392.0	1378.2	1381.6
32.5°	1395.4	1386.8	1378.2	1373.1	1378.2	1386.8	1395.4	1392.0	1355.8	1337.0	1340.4
35°	1330.1	1331.8	1330.1	1324.9	1330.1	1331.8	1330.1	1333.6	1311.2	1294.0	1292.3
37.5°	1283.7	1287.2	1285.4	1278.5	1285.4	1287.2	1283.7	1280.3	1249.3	1244.2	1247.6
40°	1235.6	1237.3	1235.6	1230.5	1235.6	1237.3	1235.6	1228.7	1185.8	1187.5	1199.5
42.5°	1189.2	1187.5	1182.3	1178.9	1182.3	1187.5	1189.2	1178.9	1123.9	1118.7	1141.0
45°	1135.9	1137.6	1127.3	1122.2	1127.3	1137.6	1135.9	1129.1	1072.4	1058.6	1074.1
47.5°	1082.6	1082.6	1074.1	1068.9	1074.1	1082.6	1082.6	1074.1	1013.9	1000.2	1008.7
50°	1025.9	1024.2	1012.1	1010.4	1012.1	1024.2	1025.9	1020.8	957.2	945.2	945.2
52.5°	960.6	960.6	962.3	965.8	962.3	960.6	960.6	962.3	905.6	893.6	890.2
55°	903.9	905.6	917.7	921.1	917.7	905.6	903.9	903.9	852.3	840.3	833.5
57.5°	845.5	845.5	854.0	854.0	854.0	845.5	845.5	842.1	792.2	781.9	778.5
60°	778.5	781.9	788.8	787.1	788.8	781.9	778.5	775.0	732.1	725.2	713.2
62.5°	708.0	711.5	713.2	709.7	713.2	711.5	708.0	697.7	671.9	666.7	651.3
65°	634.1	637.5	639.2	635.8	639.2	637.5	634.1	629.0	610.0	601.5	587.7
67.5°	558.5	556.8	555.1	561.9	555.1	556.8	558.5	551.6	539.6	532.7	513.8
70°	481.1	481.1	479.4	482.9	479.4	481.1	481.1	476.0	469.2	464.0	446.8
72.5°	398.7	397.0	403.8	398.7	403.8	397.0	398.7	397.0	393.5	388.4	371.2
75°	317.9	321.3	317.9	323.0	317.9	321.3	317.9	319.6	317.9	314.5	302.4
77.5°	242.3	245.7	242.3	242.3	242.3	245.7	242.3	244.0	244.0	244.0	233.7
80°	171.9	170.1	170.1	168.4	170.1	170.1	171.9	171.9	173.6	170.1	166.7
82.5°	110.0	108.3	108.3	111.7	108.3	108.3	110.0	111.7	108.3	108.3	108.3
85°	60.1	61.8	58.4	58.4	58.4	61.8	60.1	56.7	60.1	60.1	58.4
87.5°	22.4	20.6	20.6	20.6	20.6	20.6	22.4	24.1	24.1	24.1	25.8
90°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	26.7	35.7	40.1	34.5
92.5°	100.4	96.3	80.4	64.4	80.4	96.3	100.4	142.2	198.1	226.0	198.4
95°	340.6	328.5	280.2	231.8	280.2	328.5	340.6	447.3	589.5	660.7	558.0
97.5°	786.4	763.4	671.3	579.4	671.3	763.4	786.4	853.8	943.7	988.7	817.4
100°	1104.3	1076.9	967.3	857.7	967.3	1076.9	1104.3	1099.3	1092.8	1089.5	899.5
102.5°	1375.7	1352.3	1258.4	1164.5	1258.4	1352.3	1375.7	1289.8	1175.3	1118.1	925.4
105°	1692.6	1680.0	1629.6	1579.1	1629.6	1680.0	1692.6	1500.0	1243.3	1114.9	928.3
107.5°	1857.5	1860.5	1872.7	1884.9	1872.7	1860.5	1857.5	1588.8	1230.6	1051.5	887.0
110°	1899.7	1912.8	1965.3	2018.0	1965.3	1912.8	1899.7	1599.4	1198.9	998.7	850.4



TEST NUMBER: P934225

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1872.8	1892.9	1973.7	2054.4	1973.7	1892.9	1872.8	1565.4	1155.5	950.6	818.3
115°	1781.4	1809.4	1921.4	2033.3	1921.4	1809.4	1781.4	1485.2	1090.5	893.1	781.7
117.5°	1655.1	1686.1	1810.3	1934.5	1810.3	1686.1	1655.1	1387.9	1031.6	853.4	758.7
120°	1570.1	1600.3	1721.0	1841.6	1721.0	1600.3	1570.1	1325.9	1000.4	837.6	751.0
122.5°	1485.1	1514.8	1633.9	1752.8	1633.9	1514.8	1485.1	1265.2	972.0	825.4	746.9
125°	1372.6	1400.0	1509.6	1619.3	1509.6	1400.0	1372.6	1185.8	936.8	812.3	743.6
127.5°	1282.3	1305.4	1397.9	1490.4	1397.9	1305.4	1282.3	1121.9	908.1	801.2	741.6
130°	1225.2	1246.6	1332.1	1417.5	1332.1	1246.6	1225.2	1082.5	892.1	797.0	742.8
132.5°	1176.6	1195.8	1272.3	1348.8	1272.3	1195.8	1176.6	1048.9	878.5	793.2	743.6
135°	1108.1	1124.5	1190.5	1256.4	1190.5	1124.5	1108.1	1001.0	858.3	786.9	742.9
137.5°	1057.3	1070.8	1124.8	1178.8	1124.8	1070.8	1057.3	966.9	846.2	785.9	747.5
140°	1016.7	1029.3	1079.7	1130.2	1079.7	1029.3	1016.7	938.5	834.2	782.1	748.2
142.5°	988.1	999.0	1042.5	1085.9	1042.5	999.0	988.1	919.5	827.9	782.1	750.9
145°	945.3	953.5	986.4	1019.3	986.4	953.5	945.3	889.2	814.3	776.9	750.9
147.5°	909.5	916.3	943.5	970.7	943.5	916.3	909.5	865.3	806.4	776.9	756.2
150°	888.8	894.4	916.4	938.5	916.4	894.4	888.8	851.5	801.8	776.9	758.8
152.5°	872.5	876.7	893.3	910.0	893.3	876.7	872.5	840.6	798.2	776.9	760.6
155°	852.9	855.7	866.8	877.8	866.8	855.7	852.9	827.6	793.8	776.9	764.4
157.5°	836.0	838.0	845.7	853.4	845.7	838.0	836.0	816.3	790.1	776.9	768.4
160°	827.6	828.7	833.2	837.6	833.2	828.7	827.6	810.7	788.2	776.9	770.1
162.5°	819.6	820.6	824.9	829.2	824.9	820.6	819.6	805.4	786.4	776.9	772.0
165°	807.5	808.6	813.1	817.6	813.1	808.6	807.5	797.3	783.7	776.9	774.7
167.5°	802.2	802.7	804.6	806.5	804.6	802.7	802.2	795.5	786.6	782.1	780.2
170°	802.2	802.2	802.2	802.2	802.2	802.2	802.2	795.5	786.6	782.1	782.0
172.5°	798.0	797.6	796.0	794.3	796.0	797.6	798.0	792.7	785.6	782.1	782.1
175°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	788.9	784.3	782.1	783.1
177.5°	791.2	790.7	788.8	786.9	788.8	790.7	791.2	788.5	785.0	783.2	784.1
180°	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9	786.9



TEST NUMBER: P934225

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1816.4	1816.4	1816.4	1816.4	1816.4
2.5°	1794.1	1802.6	1807.8	1814.7	1831.8
5°	1725.3	1758.0	1768.3	1794.1	1825.0
7.5°	1574.2	1673.7	1701.3	1763.2	1811.3
10°	1428.0	1527.7	1575.9	1721.9	1794.1
12.5°	1354.1	1412.6	1445.3	1649.7	1770.0
15°	1307.8	1349.0	1373.1	1553.5	1742.5
17.5°	1271.6	1300.9	1318.1	1459.0	1704.8
20°	1249.3	1263.1	1278.5	1390.3	1661.8
22.5°	1233.9	1225.2	1237.3	1342.1	1603.4
25°	1223.5	1190.9	1204.7	1304.3	1534.6
27.5°	1232.2	1160.0	1165.1	1269.9	1462.4
30°	1233.9	1122.2	1123.9	1233.9	1381.6
32.5°	1221.8	1082.6	1084.3	1189.2	1290.6
35°	1192.6	1036.2	1034.5	1137.6	1166.8
37.5°	1153.1	986.4	986.4	1080.9	1031.1
40°	1105.0	936.6	941.8	1007.0	910.8
42.5°	1046.6	883.3	890.2	909.0	821.4
45°	982.9	831.7	836.9	768.1	752.7
47.5°	912.5	778.5	780.2	637.5	730.4
50°	828.3	723.4	716.6	546.5	728.7
52.5°	754.4	663.3	642.7	494.9	661.6
55°	682.2	599.8	555.1	455.4	613.5
57.5°	618.6	517.3	474.3	409.0	603.2
60°	560.2	436.5	403.8	359.2	553.4
62.5°	512.1	376.3	369.5	324.8	501.8
65°	460.5	335.1	333.4	295.6	426.2
67.5°	410.8	307.6	305.9	268.1	324.8
70°	357.5	278.4	274.9	238.9	240.6
72.5°	302.4	245.7	242.3	214.8	199.4
75°	247.4	207.9	206.2	187.3	161.5
77.5°	194.2	164.9	168.4	151.3	118.6
80°	139.2	120.3	123.8	108.3	89.3
82.5°	92.8	79.1	82.5	68.8	60.1
85°	51.6	44.7	46.4	36.1	27.5
87.5°	24.1	20.6	20.6	13.8	8.6
90°	23.2	14.8	13.8	9.5	5.3
92.5°	143.2	101.9	92.9	57.0	21.1
95°	352.6	198.6	182.2	116.4	50.7
97.5°	475.0	218.1	203.6	145.6	87.6
100°	519.5	234.5	221.3	168.8	116.2
102.5°	539.9	250.9	238.6	189.5	140.5
105°	555.0	275.1	264.7	223.2	181.7
107.5°	557.9	311.1	301.4	262.6	224.0
110°	553.6	331.1	322.4	287.4	252.5



TEST NUMBER: P934225

CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	553.8	355.4	347.0	313.7	280.4
115°	558.9	391.9	384.2	353.4	322.7
117.5°	569.3	427.2	420.2	392.3	364.4
120°	577.7	447.8	441.2	415.0	388.7
122.5°	589.9	472.2	465.5	439.0	412.5
125°	606.3	503.3	497.3	473.1	448.9
127.5°	622.7	533.4	527.3	502.9	478.5
130°	634.6	553.5	546.9	520.7	494.4
132.5°	644.4	569.9	563.3	537.0	510.7
135°	654.9	588.8	582.9	558.9	535.0
137.5°	670.7	613.2	607.3	583.5	559.8
140°	680.4	629.5	624.0	602.2	580.4
142.5°	688.5	641.7	636.7	616.4	596.3
145°	699.1	660.2	655.7	638.1	620.5
147.5°	714.6	683.4	679.1	661.9	644.9
150°	722.7	695.5	691.7	676.1	660.7
152.5°	728.0	703.5	700.6	688.8	677.1
155°	739.6	720.9	718.7	710.0	701.3
157.5°	751.2	738.3	736.2	727.8	719.3
160°	756.5	746.3	744.6	738.1	731.5
162.5°	762.1	754.7	753.5	748.6	743.6
165°	770.2	766.8	765.7	761.3	756.8
167.5°	776.5	773.7	773.2	771.0	769.0
170°	781.8	781.6	781.1	779.0	776.9
172.5°	782.1	782.1	782.0	781.5	781.1
175°	785.3	786.9	786.9	786.9	786.9
177.5°	785.7	786.9	786.9	786.9	786.9
180°	786.9	786.9	786.9	786.9	786.9



TEST NUMBER: P934225
 CATALOG NUMBER: SQ4-FA-050U-050D-92765-1D-UNV-STD-W-12-2700K

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	10.62	11.47	11.60	12.45	13.75	13.47	14.32	14.45	15.31	16.60
	3H	11.10	11.85	12.08	12.85	14.17	14.83	15.58	15.81	16.58	17.90
	4H	11.29	12.00	12.29	13.00	14.33	15.27	15.99	16.27	16.99	18.32
	6H	11.41	12.07	12.42	13.07	14.41	15.56	16.22	16.57	17.23	18.57
	8H	11.41	12.03	12.42	13.06	14.39	15.64	16.27	16.65	17.29	18.63
	12H	11.38	11.97	12.40	12.99	14.35	15.68	16.28	16.70	17.29	18.66
4H	2H	11.66	12.37	12.66	13.37	14.70	13.88	14.60	14.88	15.60	16.93
	3H	12.68	13.28	13.70	14.31	15.65	15.39	15.99	16.40	17.02	18.36
	4H	12.96	13.50	13.98	14.53	15.89	15.92	16.47	16.94	17.49	18.86
	6H	13.08	13.55	14.12	14.60	15.96	16.29	16.76	17.32	17.81	19.17
	8H	13.09	13.53	14.12	14.56	15.94	16.40	16.84	17.44	17.88	19.26
	12H	13.05	13.45	14.11	14.50	15.89	16.46	16.86	17.51	17.91	19.29
8H	4H	13.41	13.85	14.45	14.89	16.27	16.05	16.48	17.08	17.52	18.90
	6H	13.68	14.04	14.73	15.12	16.49	16.49	16.85	17.54	17.93	19.30
	8H	13.72	14.04	14.78	15.10	16.50	16.64	16.96	17.71	18.02	19.42
	12H	13.70	13.98	14.77	15.04	16.48	16.74	17.02	17.81	18.08	19.52
12H	4H	13.42	13.82	14.47	14.87	16.25	16.01	16.40	17.06	17.46	18.84
	6H	13.74	14.06	14.80	15.12	16.51	16.48	16.80	17.55	17.87	19.26
	8H	13.80	14.08	14.87	15.14	16.58	16.65	16.93	17.72	17.99	19.42