

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: P934253

Luminaire Tested: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934253
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-93050-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

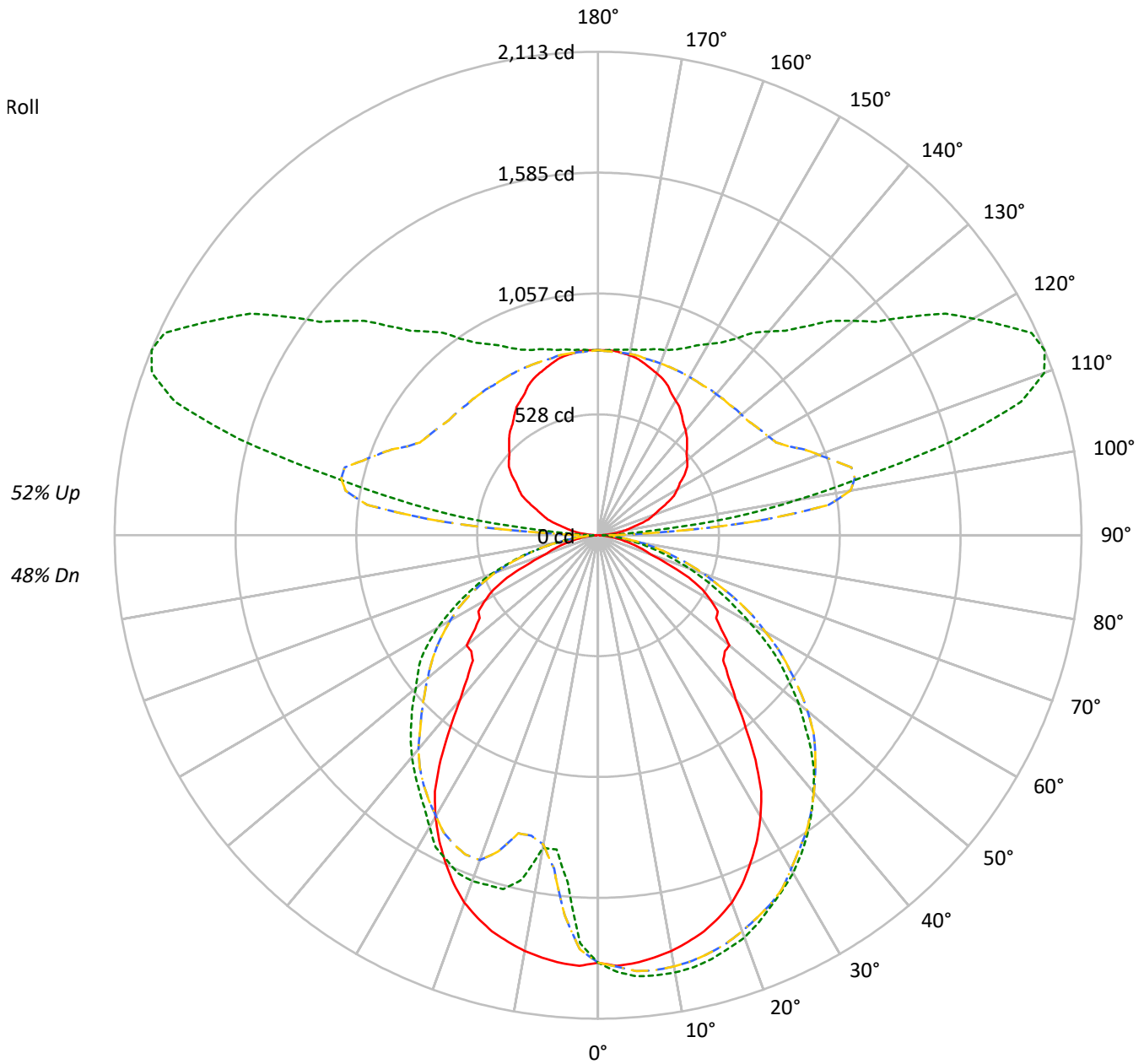
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10091.7 lumens
Efficiency: N/A
Efficacy: 118.4 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 (A_{in}): 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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CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5777	5777	5777	5777
5°	5823	5832	5823	4586
10°	5786	5745	5786	4107
15°	5725	5620	5725	4693
20°	5608	5473	5608	4703
25°	5365	5258	5365	4603
30°	5050	5079	5050	4384
35°	4504	4853	4504	4144
40°	3755	4587	3755	3962
45°	3358	4276	3358	3753
50°	3570	3905	3570	3543
55°	3362	3506	3362	3422
60°	3470	2977	3470	3135
65°	3152	2461	3152	2751
70°	2187	1962	2187	2306
75°	1925	1450	1925	1736
80°	1563	959	1563	1044
85°	917	508	917	432

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5143 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	1.7
10°-20°	478.7	4.7
20°-30°	740.0	7.3
30°-40°	883.4	8.8
40°-50°	888.6	8.8
50°-60°	773.2	7.7
60°-70°	548.2	5.4
70°-80°	290.0	2.9
80°-90°	75.3	0.7
90°-100°	394.4	3.9
100°-110°	1037.0	10.3
110°-120°	1075.3	10.7
120°-130°	862.5	8.5
130°-140°	676.7	6.7
140°-150°	519.4	5.1
150°-160°	374.1	3.7
160°-170°	228.9	2.3
170°-180°	77.3	0.8
0°-30°	1387.3	13.7
0°-40°	2270.7	22.5
0°-60°	3932.5	39.0
0°-90°	4846.1	48.0
90°-120°	2506.7	24.8
90°-150°	4565.3	45.2
90°-180°	5246.0	52.0
0°-180°	10091.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1868	1868	1868	1868	1868	
5°	1877	1935	1877	1522	1877	178
15°	1792	1917	1792	1601	1792	504
25°	1578	1788	1578	1566	1578	725
35°	1200	1596	1200	1362	1200	742
45°	774	1315	774	1154	774	620
55°	631	970	631	947	631	580
65°	438	585	438	654	438	419
75°	166	278	166	332	166	175
85°	28	71	28	60	28	38
90°	5	21	5	21	5	6
95°	52	238	52	238	52	58
105°	187	1624	187	1624	187	198
115°	332	2091	332	2091	332	328
125°	462	1665	462	1665	462	410
135°	550	1292	550	1292	550	426
145°	638	1048	638	1048	638	400
155°	721	903	721	903	721	331
165°	778	841	778	841	778	220
175°	809	815	809	815	809	77
180°	809	809	809	809	809	



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CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1883.7	1883.7	1894.3	1897.8	1897.8	1892.6	1887.3	1892.6	1908.5	1913.7	1912.0
5°	1876.7	1890.8	1910.2	1913.7	1917.3	1915.6	1912.0	1915.6	1933.2	1936.7	1938.5
7.5°	1862.5	1889.0	1913.7	1919.1	1924.4	1919.1	1917.3	1920.8	1938.5	1942.0	1942.0
10°	1844.9	1881.9	1910.2	1913.7	1919.1	1913.7	1913.7	1920.8	1938.5	1942.0	1943.9
12.5°	1820.1	1871.4	1897.8	1901.4	1908.5	1906.7	1904.9	1912.0	1929.7	1933.2	1933.2
15°	1791.8	1851.9	1876.7	1880.2	1892.6	1889.0	1889.0	1896.1	1915.6	1920.8	1919.1
17.5°	1753.0	1827.2	1855.5	1860.8	1869.6	1867.8	1869.6	1876.7	1894.3	1897.8	1899.7
20°	1708.8	1793.6	1827.2	1832.5	1841.4	1841.4	1841.4	1850.1	1867.8	1874.9	1874.9
22.5°	1648.7	1758.3	1793.6	1797.2	1807.7	1807.7	1811.3	1823.6	1839.5	1841.4	1841.4
25°	1578.0	1719.4	1749.4	1760.0	1770.7	1775.9	1781.3	1788.3	1793.6	1791.8	1793.6
27.5°	1503.8	1669.9	1708.8	1715.8	1730.0	1735.3	1742.4	1744.1	1745.9	1751.2	1747.6
30°	1420.7	1601.0	1659.3	1666.4	1689.3	1692.9	1685.8	1689.3	1698.2	1701.7	1705.2
32.5°	1327.1	1498.5	1608.1	1624.0	1645.1	1634.6	1632.8	1638.1	1652.3	1652.3	1655.8
35°	1199.8	1419.0	1560.4	1574.5	1590.4	1578.0	1585.1	1586.8	1595.7	1601.0	1599.2
37.5°	1060.3	1350.0	1510.9	1521.5	1533.9	1518.0	1528.5	1533.9	1540.9	1537.4	1537.4
40°	936.5	1242.3	1452.5	1459.6	1470.2	1457.9	1468.4	1472.0	1475.5	1472.0	1470.2
42.5°	844.7	1123.9	1390.7	1399.6	1392.5	1401.3	1404.8	1412.0	1406.6	1399.6	1399.6
45°	774.0	1092.1	1323.6	1334.1	1323.6	1337.7	1343.0	1343.0	1327.1	1323.6	1321.8
47.5°	751.0	1028.5	1256.4	1256.4	1251.1	1268.8	1277.6	1265.3	1249.4	1244.0	1244.0
50°	749.3	957.8	1164.5	1157.4	1182.2	1203.4	1194.6	1182.2	1169.8	1150.4	1150.4
52.5°	680.3	871.2	1046.1	1072.7	1111.5	1123.9	1109.7	1097.3	1076.2	1067.3	1060.3
55°	630.9	781.1	938.3	991.3	1032.0	1047.9	1021.4	1009.0	977.2	971.9	968.4
57.5°	620.3	650.3	839.4	906.5	956.0	954.3	938.3	915.4	888.8	883.6	881.8
60°	569.1	470.1	733.4	812.9	864.1	858.8	844.7	823.5	798.7	795.2	791.7
62.5°	516.0	341.0	613.1	703.3	775.7	774.0	761.7	729.8	712.1	703.3	696.2
65°	438.3	286.2	436.5	584.9	689.2	692.7	666.2	643.3	623.8	613.1	611.4
67.5°	334.0	233.3	295.1	487.7	606.1	602.6	569.1	558.4	533.7	528.4	517.8
70°	247.4	155.5	205.0	395.9	524.9	516.0	489.5	477.1	454.2	441.8	434.7
72.5°	205.0	125.4	150.2	307.5	441.8	431.2	408.2	394.1	374.6	364.1	356.9
75°	166.1	132.5	114.9	227.9	358.7	351.7	330.4	316.3	300.4	286.2	288.0
77.5°	121.9	123.7	91.9	167.8	284.5	273.9	261.6	243.9	236.8	222.6	222.6
80°	91.9	97.2	68.9	114.9	205.0	205.0	194.4	182.0	169.6	162.6	162.6
82.5°	61.8	61.8	51.2	72.5	139.6	134.3	127.3	123.7	116.6	113.1	113.1
85°	28.3	35.3	31.8	44.2	76.0	79.5	79.5	76.0	74.2	70.7	72.5
87.5°	8.9	15.9	19.4	24.8	38.9	40.7	42.4	42.4	42.4	44.2	44.2
90°	5.4	9.7	14.1	15.2	23.9	35.5	41.3	36.7	27.5	20.6	20.6
92.5°	21.7	58.6	95.6	104.8	147.3	204.0	232.4	203.7	146.2	103.2	99.1
95°	52.2	119.7	187.3	204.2	362.6	573.8	679.4	606.2	460.0	350.3	337.8
97.5°	90.1	149.8	209.4	224.3	488.4	840.5	1016.6	970.4	877.9	808.7	785.0
100°	119.4	173.6	227.6	241.1	534.2	924.9	1120.4	1123.7	1130.5	1135.6	1107.4
102.5°	144.5	194.9	245.3	258.0	555.2	951.6	1149.7	1208.5	1326.3	1414.7	1390.5
105°	186.8	229.5	272.2	282.9	570.7	954.5	1146.4	1278.5	1542.5	1740.5	1727.5
107.5°	230.3	270.1	310.0	319.9	573.7	912.1	1081.3	1265.5	1633.8	1910.0	1913.2
110°	259.6	295.5	331.6	340.5	569.3	874.4	1027.0	1232.9	1644.6	1953.4	1967.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	288.3	322.6	356.9	365.5	569.5	841.5	977.5	1188.3	1609.7	1925.8	1946.5
115°	331.8	363.4	395.1	403.0	574.8	803.8	918.4	1121.3	1527.3	1831.8	1860.6
117.5°	374.7	403.4	432.1	439.3	585.4	780.2	877.6	1060.8	1427.2	1702.0	1733.9
120°	399.7	426.8	453.7	460.5	594.1	772.3	861.3	1028.8	1363.5	1614.6	1645.6
122.5°	424.1	451.4	478.7	485.5	606.6	768.1	848.8	999.5	1301.0	1527.1	1557.7
125°	461.6	486.5	511.3	517.6	623.5	764.6	835.3	963.3	1219.3	1411.4	1439.6
127.5°	492.0	517.1	542.3	548.5	640.3	762.6	823.8	933.8	1153.6	1318.6	1342.4
130°	508.4	535.4	562.4	569.1	652.6	763.9	819.5	917.4	1113.2	1259.9	1281.9
132.5°	525.1	552.2	579.2	586.0	662.6	764.6	815.7	903.3	1078.6	1209.9	1229.6
135°	550.2	574.8	599.4	605.5	673.4	763.9	809.2	882.6	1029.4	1139.4	1156.4
137.5°	575.6	600.1	624.5	630.5	689.7	768.7	808.1	870.1	994.2	1087.2	1101.1
140°	596.8	619.3	641.7	647.3	699.7	769.4	804.3	857.8	965.1	1045.4	1058.4
142.5°	613.1	633.9	654.7	659.9	708.0	772.2	804.3	851.3	945.5	1016.1	1027.3
145°	638.1	656.2	674.3	678.8	718.9	772.2	798.9	837.4	914.4	972.1	980.5
147.5°	663.1	680.7	698.3	702.7	734.8	777.6	798.9	829.2	889.8	935.2	942.2
150°	679.4	695.3	711.2	715.2	743.1	780.3	798.9	824.5	875.6	914.0	919.7
152.5°	696.2	708.3	720.4	723.4	748.6	782.1	798.9	820.8	864.4	897.2	901.5
155°	721.2	730.1	739.1	741.3	760.5	786.1	798.9	816.3	851.0	877.1	879.9
157.5°	739.7	748.4	757.0	759.2	772.5	790.1	798.9	812.4	839.4	859.7	861.7
160°	752.2	758.9	765.7	767.4	777.9	791.9	798.9	810.5	833.6	851.0	852.1
162.5°	764.6	769.7	774.8	776.1	783.7	793.8	798.9	808.7	828.2	842.8	843.9
165°	778.3	782.8	787.4	788.5	792.0	796.6	798.9	805.9	819.9	830.3	831.5
167.5°	790.7	792.8	795.0	795.6	798.5	802.3	804.3	808.8	818.0	824.9	825.4
170°	798.9	801.0	803.2	803.7	803.9	804.2	804.3	808.8	818.0	824.9	824.9
172.5°	803.2	803.6	804.2	804.3	804.3	804.3	804.3	807.9	815.2	820.6	820.2
175°	809.2	809.2	809.2	809.2	807.5	805.3	804.3	806.5	811.2	814.6	814.6
177.5°	809.2	809.2	809.2	809.2	807.9	806.3	805.4	807.2	810.8	813.6	813.0
180°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1915.6	1910.2	1915.6	1912.0	1913.7	1908.5	1892.6	1887.3	1892.6	1897.8	1897.8
5°	1938.5	1935.0	1938.5	1938.5	1936.7	1933.2	1915.6	1912.0	1915.6	1917.3	1913.7
7.5°	1945.6	1940.3	1945.6	1942.0	1942.0	1938.5	1920.8	1917.3	1919.1	1924.4	1919.1
10°	1945.6	1940.3	1945.6	1943.9	1942.0	1938.5	1920.8	1913.7	1913.7	1919.1	1913.7
12.5°	1936.7	1933.2	1936.7	1933.2	1933.2	1929.7	1912.0	1904.9	1906.7	1908.5	1901.4
15°	1922.6	1917.3	1922.6	1919.1	1920.8	1915.6	1896.1	1889.0	1889.0	1892.6	1880.2
17.5°	1901.4	1894.3	1901.4	1899.7	1897.8	1894.3	1876.7	1869.6	1867.8	1869.6	1860.8
20°	1876.7	1871.4	1876.7	1874.9	1874.9	1867.8	1850.1	1841.4	1841.4	1841.4	1832.5
22.5°	1837.8	1832.5	1837.8	1841.4	1841.4	1839.5	1823.6	1811.3	1807.7	1807.7	1797.2
25°	1793.6	1788.3	1793.6	1793.6	1791.8	1793.6	1788.3	1781.3	1775.9	1770.7	1760.0
27.5°	1751.2	1747.6	1751.2	1747.6	1751.2	1745.9	1744.1	1742.4	1735.3	1730.0	1715.8
30°	1708.8	1705.2	1708.8	1705.2	1701.7	1698.2	1689.3	1685.8	1692.9	1689.3	1666.4
32.5°	1655.8	1652.3	1655.8	1655.8	1652.3	1652.3	1638.1	1632.8	1634.6	1645.1	1624.0
35°	1601.0	1595.7	1601.0	1599.2	1601.0	1595.7	1586.8	1585.1	1578.0	1590.4	1574.5
37.5°	1537.4	1532.1	1537.4	1537.4	1537.4	1540.9	1533.9	1528.5	1518.0	1533.9	1521.5
40°	1472.0	1464.9	1472.0	1470.2	1472.0	1475.5	1472.0	1468.4	1457.9	1470.2	1459.6
42.5°	1397.8	1396.0	1397.8	1399.6	1399.6	1406.6	1412.0	1404.8	1401.3	1392.5	1399.6
45°	1318.2	1314.7	1318.2	1321.8	1323.6	1327.1	1343.0	1343.0	1337.7	1323.6	1334.1
47.5°	1233.4	1224.6	1233.4	1244.0	1244.0	1249.4	1265.3	1277.6	1268.8	1251.1	1256.4
50°	1143.3	1145.0	1143.3	1150.4	1150.4	1169.8	1182.2	1194.6	1203.4	1182.2	1157.4
52.5°	1054.9	1053.2	1054.9	1060.3	1067.3	1076.2	1097.3	1109.7	1123.9	1111.5	1072.7
55°	966.6	970.2	966.6	968.4	971.9	977.2	1009.0	1021.4	1047.9	1032.0	991.3
57.5°	878.2	872.9	878.2	881.8	883.6	888.8	915.4	938.3	954.3	956.0	906.5
60°	775.7	768.7	775.7	791.7	795.2	798.7	823.5	844.7	858.8	864.1	812.9
62.5°	685.6	673.3	685.6	696.2	703.3	712.1	729.8	761.7	774.0	775.7	703.3
65°	590.2	584.9	590.2	611.4	613.1	623.8	643.3	666.2	692.7	689.2	584.9
67.5°	503.6	503.6	503.6	517.8	528.4	533.7	558.4	569.1	602.6	606.1	487.7
70°	424.1	422.4	424.1	434.7	441.8	454.2	477.1	489.5	516.0	524.9	395.9
72.5°	348.2	346.3	348.2	356.9	364.1	374.6	394.1	408.2	431.2	441.8	307.5
75°	281.0	277.5	281.0	288.0	286.2	300.4	316.3	330.4	351.7	358.7	227.9
77.5°	215.6	215.6	215.6	222.6	222.6	236.8	243.9	261.6	273.9	284.5	167.8
80°	160.8	159.1	160.8	162.6	162.6	169.6	182.0	194.4	205.0	205.0	114.9
82.5°	113.1	109.5	113.1	113.1	113.1	116.6	123.7	127.3	134.3	139.6	72.5
85°	70.7	70.7	70.7	72.5	70.7	74.2	76.0	79.5	79.5	76.0	44.2
87.5°	45.9	44.2	45.9	44.2	44.2	42.4	42.4	42.4	40.7	38.9	24.8
90°	20.6	20.6	20.6	20.6	20.6	27.5	36.7	41.3	35.5	23.9	15.2
92.5°	82.6	66.2	82.6	99.1	103.2	146.2	203.7	232.4	204.0	147.3	104.8
95°	288.1	238.4	288.1	337.8	350.3	460.0	606.2	679.4	573.8	362.6	204.2
97.5°	690.3	595.8	690.3	785.0	808.7	877.9	970.4	1016.6	840.5	488.4	224.3
100°	994.7	882.0	994.7	1107.4	1135.6	1130.5	1123.7	1120.4	924.9	534.2	241.1
102.5°	1294.0	1197.5	1294.0	1390.5	1414.7	1326.3	1208.5	1149.7	951.6	555.2	258.0
105°	1675.7	1623.8	1675.7	1727.5	1740.5	1542.5	1278.5	1146.4	954.5	570.7	282.9
107.5°	1925.7	1938.2	1925.7	1913.2	1910.0	1633.8	1265.5	1081.3	912.1	573.7	319.9
110°	2021.0	2075.1	2021.0	1967.0	1953.4	1644.6	1232.9	1027.0	874.4	569.3	340.5



TEST NUMBER: P934253

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2029.6	2112.6	2029.6	1946.5	1925.8	1609.7	1188.3	977.5	841.5	569.5	365.5
115°	1975.7	2090.9	1975.7	1860.6	1831.8	1527.3	1121.3	918.4	803.8	574.8	403.0
117.5°	1861.6	1989.3	1861.6	1733.9	1702.0	1427.2	1060.8	877.6	780.2	585.4	439.3
120°	1769.7	1893.7	1769.7	1645.6	1614.6	1363.5	1028.8	861.3	772.3	594.1	460.5
122.5°	1680.1	1802.4	1680.1	1557.7	1527.1	1301.0	999.5	848.8	768.1	606.6	485.5
125°	1552.3	1665.1	1552.3	1439.6	1411.4	1219.3	963.3	835.3	764.6	623.5	517.6
127.5°	1437.4	1532.5	1437.4	1342.4	1318.6	1153.6	933.8	823.8	762.6	640.3	548.5
130°	1369.8	1457.6	1369.8	1281.9	1259.9	1113.2	917.4	819.5	763.9	652.6	569.1
132.5°	1308.3	1387.0	1308.3	1229.6	1209.9	1078.6	903.3	815.7	764.6	662.6	586.0
135°	1224.2	1292.0	1224.2	1156.4	1139.4	1029.4	882.6	809.2	763.9	673.4	605.5
137.5°	1156.6	1212.1	1156.6	1101.1	1087.2	994.2	870.1	808.1	768.7	689.7	630.5
140°	1110.3	1162.2	1110.3	1058.4	1045.4	965.1	857.8	804.3	769.4	699.7	647.3
142.5°	1072.0	1116.6	1072.0	1027.3	1016.1	945.5	851.3	804.3	772.2	708.0	659.9
145°	1014.3	1048.2	1014.3	980.5	972.1	914.4	837.4	798.9	772.2	718.9	678.8
147.5°	970.2	998.2	970.2	942.2	935.2	889.8	829.2	798.9	777.6	734.8	702.7
150°	942.3	965.1	942.3	919.7	914.0	875.6	824.5	798.9	780.3	743.1	715.2
152.5°	918.6	935.7	918.6	901.5	897.2	864.4	820.8	798.9	782.1	748.6	723.4
155°	891.3	902.6	891.3	879.9	877.1	851.0	816.3	798.9	786.1	760.5	741.3
157.5°	869.6	877.6	869.6	861.7	859.7	839.4	812.4	798.9	790.1	772.5	759.2
160°	856.8	861.3	856.8	852.1	851.0	833.6	810.5	798.9	791.9	777.9	767.4
162.5°	848.3	852.7	848.3	843.9	842.8	828.2	808.7	798.9	793.8	783.7	776.1
165°	836.1	840.7	836.1	831.5	830.3	819.9	805.9	798.9	796.6	792.0	788.5
167.5°	827.4	829.3	827.4	825.4	824.9	818.0	808.8	804.3	802.3	798.5	795.6
170°	824.9	824.9	824.9	824.9	824.9	818.0	808.8	804.3	804.2	803.9	803.7
172.5°	818.5	816.8	818.5	820.2	820.6	815.2	807.9	804.3	804.3	804.3	804.3
175°	814.6	814.6	814.6	814.6	814.6	811.2	806.5	804.3	805.3	807.5	809.2
177.5°	811.1	809.2	811.1	813.0	813.6	810.8	807.2	805.4	806.3	807.9	809.2
180°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2



TEST NUMBER: P934253

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1894.3	1883.7	1883.7	1866.0	1859.0	1853.7	1844.9	1818.3	1811.3	1804.2	1814.8
5°	1910.2	1890.8	1876.7	1844.9	1818.3	1807.7	1774.2	1710.6	1668.2	1636.4	1618.7
7.5°	1913.7	1889.0	1862.5	1813.1	1749.4	1721.1	1618.7	1502.1	1470.2	1442.0	1424.3
10°	1910.2	1881.9	1844.9	1770.7	1620.5	1570.9	1468.4	1392.5	1373.0	1367.8	1373.0
12.5°	1897.8	1871.4	1820.1	1696.4	1486.2	1452.5	1392.5	1348.3	1344.8	1353.6	1401.3
15°	1876.7	1851.9	1791.8	1597.5	1412.0	1387.2	1344.8	1328.9	1348.3	1410.1	1553.3
17.5°	1855.5	1827.2	1753.0	1500.3	1355.4	1337.7	1307.6	1339.5	1449.0	1532.1	1579.8
20°	1827.2	1793.6	1708.8	1429.6	1314.7	1298.8	1284.7	1427.9	1510.9	1540.9	1567.4
22.5°	1793.6	1758.3	1648.7	1380.1	1272.3	1259.9	1268.8	1477.3	1510.9	1532.1	1555.0
25°	1749.4	1719.4	1578.0	1341.3	1238.8	1224.6	1258.2	1472.0	1491.4	1496.7	1542.6
27.5°	1708.8	1669.9	1503.8	1305.9	1198.1	1192.8	1267.0	1449.0	1463.2	1468.4	1518.0
30°	1659.3	1601.0	1420.7	1268.8	1155.7	1153.9	1268.8	1420.7	1417.2	1431.4	1480.8
32.5°	1608.1	1498.5	1327.1	1222.9	1115.0	1113.2	1256.4	1378.3	1374.8	1394.2	1431.4
35°	1560.4	1419.0	1199.8	1169.8	1063.8	1065.6	1226.4	1328.9	1330.6	1348.3	1371.3
37.5°	1510.9	1350.0	1060.3	1111.5	1014.3	1014.3	1185.7	1282.9	1279.4	1284.7	1316.5
40°	1452.5	1242.3	936.5	1035.5	968.4	963.1	1136.3	1233.4	1221.1	1219.3	1263.4
42.5°	1390.7	1123.9	844.7	934.8	915.4	908.3	1076.2	1173.3	1150.4	1155.7	1212.2
45°	1323.6	1092.1	774.0	789.9	860.6	855.3	1010.7	1104.5	1088.6	1102.7	1161.0
47.5°	1256.4	1028.5	751.0	655.6	802.2	800.5	938.3	1037.3	1028.5	1042.6	1104.5
50°	1164.5	957.8	749.3	561.9	736.9	743.9	851.8	971.9	971.9	984.3	1049.7
52.5°	1046.1	871.2	680.3	508.9	660.9	682.1	775.7	915.4	918.9	931.3	989.6
55°	938.3	781.1	630.9	468.3	570.8	616.7	701.5	857.0	864.1	876.5	929.5
57.5°	839.4	650.3	620.3	420.5	487.7	531.9	636.2	800.5	804.0	814.6	865.9
60°	733.4	470.1	569.1	369.3	415.3	448.8	576.1	733.4	745.7	752.8	797.0
62.5°	613.1	341.0	516.0	334.0	380.0	387.0	526.6	669.7	685.6	691.0	717.5
65°	436.5	286.2	438.3	304.0	342.8	344.6	473.6	604.4	618.5	627.3	646.8
67.5°	295.1	233.3	334.0	275.7	314.5	316.3	422.4	528.4	547.8	554.9	567.2
70°	205.0	155.5	247.4	245.7	282.7	286.2	367.6	459.4	477.1	482.5	489.5
72.5°	150.2	125.4	205.0	220.9	249.2	252.7	311.0	381.7	399.4	404.6	408.2
75°	114.9	132.5	166.1	192.6	212.0	213.8	254.4	311.0	323.4	326.9	328.7
77.5°	91.9	123.7	121.9	155.5	173.2	169.6	199.7	240.3	250.9	250.9	250.9
80°	68.9	97.2	91.9	111.4	127.3	123.7	143.2	171.4	175.0	178.5	176.7
82.5°	51.2	61.8	61.8	70.7	84.8	81.3	95.4	111.4	111.4	111.4	114.9
85°	31.8	35.3	28.3	37.2	47.7	45.9	53.0	60.1	61.8	61.8	58.3
87.5°	19.4	15.9	8.9	14.1	21.2	21.2	24.8	26.5	24.8	24.8	24.8
90°	14.1	9.7	5.4	9.7	14.1	15.2	23.9	35.5	41.3	36.7	27.5
92.5°	95.6	58.6	21.7	58.6	95.6	104.8	147.3	204.0	232.4	203.7	146.2
95°	187.3	119.7	52.2	119.7	187.3	204.2	362.6	573.8	679.4	606.2	460.0
97.5°	209.4	149.8	90.1	149.8	209.4	224.3	488.4	840.5	1016.6	970.4	877.9
100°	227.6	173.6	119.4	173.6	227.6	241.1	534.2	924.9	1120.4	1123.7	1130.5
102.5°	245.3	194.9	144.5	194.9	245.3	258.0	555.2	951.6	1149.7	1208.5	1326.3
105°	272.2	229.5	186.8	229.5	272.2	282.9	570.7	954.5	1146.4	1278.5	1542.5
107.5°	310.0	270.1	230.3	270.1	310.0	319.9	573.7	912.1	1081.3	1265.5	1633.8
110°	331.6	295.5	259.6	295.5	331.6	340.5	569.3	874.4	1027.0	1232.9	1644.6



TEST NUMBER: P934253

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	356.9	322.6	288.3	322.6	356.9	365.5	569.5	841.5	977.5	1188.3	1609.7
115°	395.1	363.4	331.8	363.4	395.1	403.0	574.8	803.8	918.4	1121.3	1527.3
117.5°	432.1	403.4	374.7	403.4	432.1	439.3	585.4	780.2	877.6	1060.8	1427.2
120°	453.7	426.8	399.7	426.8	453.7	460.5	594.1	772.3	861.3	1028.8	1363.5
122.5°	478.7	451.4	424.1	451.4	478.7	485.5	606.6	768.1	848.8	999.5	1301.0
125°	511.3	486.5	461.6	486.5	511.3	517.6	623.5	764.6	835.3	963.3	1219.3
127.5°	542.3	517.1	492.0	517.1	542.3	548.5	640.3	762.6	823.8	933.8	1153.6
130°	562.4	535.4	508.4	535.4	562.4	569.1	652.6	763.9	819.5	917.4	1113.2
132.5°	579.2	552.2	525.1	552.2	579.2	586.0	662.6	764.6	815.7	903.3	1078.6
135°	599.4	574.8	550.2	574.8	599.4	605.5	673.4	763.9	809.2	882.6	1029.4
137.5°	624.5	600.1	575.6	600.1	624.5	630.5	689.7	768.7	808.1	870.1	994.2
140°	641.7	619.3	596.8	619.3	641.7	647.3	699.7	769.4	804.3	857.8	965.1
142.5°	654.7	633.9	613.1	633.9	654.7	659.9	708.0	772.2	804.3	851.3	945.5
145°	674.3	656.2	638.1	656.2	674.3	678.8	718.9	772.2	798.9	837.4	914.4
147.5°	698.3	680.7	663.1	680.7	698.3	702.7	734.8	777.6	798.9	829.2	889.8
150°	711.2	695.3	679.4	695.3	711.2	715.2	743.1	780.3	798.9	824.5	875.6
152.5°	720.4	708.3	696.2	708.3	720.4	723.4	748.6	782.1	798.9	820.8	864.4
155°	739.1	730.1	721.2	730.1	739.1	741.3	760.5	786.1	798.9	816.3	851.0
157.5°	757.0	748.4	739.7	748.4	757.0	759.2	772.5	790.1	798.9	812.4	839.4
160°	765.7	758.9	752.2	758.9	765.7	767.4	777.9	791.9	798.9	810.5	833.6
162.5°	774.8	769.7	764.6	769.7	774.8	776.1	783.7	793.8	798.9	808.7	828.2
165°	787.4	782.8	778.3	782.8	787.4	788.5	792.0	796.6	798.9	805.9	819.9
167.5°	795.0	792.8	790.7	792.8	795.0	795.6	798.5	802.3	804.3	808.8	818.0
170°	803.2	801.0	798.9	801.0	803.2	803.7	803.9	804.2	804.3	808.8	818.0
172.5°	804.2	803.6	803.2	803.6	804.2	804.3	804.3	804.3	804.3	807.9	815.2
175°	809.2	809.2	809.2	809.2	809.2	809.2	807.5	805.3	804.3	806.5	811.2
177.5°	809.2	809.2	809.2	809.2	809.2	809.2	807.9	806.3	805.4	807.2	810.8
180°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2



TEST NUMBER: P934253

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1802.4	1797.2	1804.2	1784.8	1804.2	1797.2	1802.4	1814.8	1804.2	1811.3	1818.3
5°	1581.6	1572.7	1544.5	1521.5	1544.5	1572.7	1581.6	1618.7	1636.4	1668.2	1710.6
7.5°	1413.7	1406.6	1399.6	1385.4	1399.6	1406.6	1413.7	1424.3	1442.0	1470.2	1502.1
10°	1376.6	1378.3	1388.9	1387.2	1388.9	1378.3	1376.6	1373.0	1367.8	1373.0	1392.5
12.5°	1472.0	1487.9	1546.2	1542.6	1546.2	1487.9	1472.0	1401.3	1353.6	1344.8	1348.3
15°	1581.6	1586.8	1599.2	1601.0	1599.2	1586.8	1581.6	1553.3	1410.1	1348.3	1328.9
17.5°	1592.2	1593.9	1602.7	1602.7	1602.7	1593.9	1592.2	1579.8	1532.1	1449.0	1339.5
20°	1583.3	1586.8	1604.6	1608.1	1604.6	1586.8	1583.3	1567.4	1540.9	1510.9	1427.9
22.5°	1579.8	1586.8	1601.0	1599.2	1601.0	1586.8	1579.8	1555.0	1532.1	1510.9	1477.3
25°	1562.1	1562.1	1563.9	1565.7	1563.9	1562.1	1562.1	1542.6	1496.7	1491.4	1472.0
27.5°	1525.0	1528.5	1539.1	1537.4	1539.1	1528.5	1525.0	1518.0	1468.4	1463.2	1449.0
30°	1491.4	1487.9	1479.1	1472.0	1479.1	1487.9	1491.4	1480.8	1431.4	1417.2	1420.7
32.5°	1434.9	1426.0	1417.2	1412.0	1417.2	1426.0	1434.9	1431.4	1394.2	1374.8	1378.3
35°	1367.8	1369.5	1367.8	1362.4	1367.8	1369.5	1367.8	1371.3	1348.3	1330.6	1328.9
37.5°	1320.0	1323.6	1321.8	1314.7	1321.8	1323.6	1320.0	1316.5	1284.7	1279.4	1282.9
40°	1270.6	1272.3	1270.6	1265.3	1270.6	1272.3	1270.6	1263.4	1219.3	1221.1	1233.4
42.5°	1222.9	1221.1	1215.7	1212.2	1215.7	1221.1	1222.9	1212.2	1155.7	1150.4	1173.3
45°	1168.1	1169.8	1159.2	1153.9	1159.2	1169.8	1168.1	1161.0	1102.7	1088.6	1104.5
47.5°	1113.2	1113.2	1104.5	1099.1	1104.5	1113.2	1113.2	1104.5	1042.6	1028.5	1037.3
50°	1054.9	1053.2	1040.8	1039.0	1040.8	1053.2	1054.9	1049.7	984.3	971.9	971.9
52.5°	987.8	987.8	989.6	993.1	989.6	987.8	987.8	989.6	931.3	918.9	915.4
55°	929.5	931.3	943.6	947.2	943.6	931.3	929.5	929.5	876.5	864.1	857.0
57.5°	869.4	869.4	878.2	878.2	878.2	869.4	869.4	865.9	814.6	804.0	800.5
60°	800.5	804.0	811.1	809.4	811.1	804.0	800.5	797.0	752.8	745.7	733.4
62.5°	728.0	731.6	733.4	729.8	733.4	731.6	728.0	717.5	691.0	685.6	669.7
65°	652.1	655.6	657.3	653.8	657.3	655.6	652.1	646.8	627.3	618.5	604.4
67.5°	574.3	572.6	570.8	577.8	570.8	572.6	574.3	567.2	554.9	547.8	528.4
70°	494.7	494.7	493.0	496.6	493.0	494.7	494.7	489.5	482.5	477.1	459.4
72.5°	410.0	408.2	415.3	410.0	415.3	408.2	410.0	408.2	404.6	399.4	381.7
75°	326.9	330.4	326.9	332.2	326.9	330.4	326.9	328.7	326.9	323.4	311.0
77.5°	249.2	252.7	249.2	249.2	249.2	252.7	249.2	250.9	250.9	250.9	240.3
80°	176.7	175.0	175.0	173.2	175.0	175.0	176.7	176.7	178.5	175.0	171.4
82.5°	113.1	111.4	111.4	114.9	111.4	111.4	113.1	114.9	111.4	111.4	111.4
85°	61.8	63.6	60.1	60.1	60.1	63.6	61.8	58.3	61.8	61.8	60.1
87.5°	23.0	21.2	21.2	21.2	21.2	21.2	23.0	24.8	24.8	24.8	26.5
90°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	27.5	36.7	41.3	35.5
92.5°	103.2	99.1	82.6	66.2	82.6	99.1	103.2	146.2	203.7	232.4	204.0
95°	350.3	337.8	288.1	238.4	288.1	337.8	350.3	460.0	606.2	679.4	573.8
97.5°	808.7	785.0	690.3	595.8	690.3	785.0	808.7	877.9	970.4	1016.6	840.5
100°	1135.6	1107.4	994.7	882.0	994.7	1107.4	1135.6	1130.5	1123.7	1120.4	924.9
102.5°	1414.7	1390.5	1294.0	1197.5	1294.0	1390.5	1414.7	1326.3	1208.5	1149.7	951.6
105°	1740.5	1727.5	1675.7	1623.8	1675.7	1727.5	1740.5	1542.5	1278.5	1146.4	954.5
107.5°	1910.0	1913.2	1925.7	1938.2	1925.7	1913.2	1910.0	1633.8	1265.5	1081.3	912.1
110°	1953.4	1967.0	2021.0	2075.1	2021.0	1967.0	1953.4	1644.6	1232.9	1027.0	874.4



TEST NUMBER: P934253

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1925.8	1946.5	2029.6	2112.6	2029.6	1946.5	1925.8	1609.7	1188.3	977.5	841.5
115°	1831.8	1860.6	1975.7	2090.9	1975.7	1860.6	1831.8	1527.3	1121.3	918.4	803.8
117.5°	1702.0	1733.9	1861.6	1989.3	1861.6	1733.9	1702.0	1427.2	1060.8	877.6	780.2
120°	1614.6	1645.6	1769.7	1893.7	1769.7	1645.6	1614.6	1363.5	1028.8	861.3	772.3
122.5°	1527.1	1557.7	1680.1	1802.4	1680.1	1557.7	1527.1	1301.0	999.5	848.8	768.1
125°	1411.4	1439.6	1552.3	1665.1	1552.3	1439.6	1411.4	1219.3	963.3	835.3	764.6
127.5°	1318.6	1342.4	1437.4	1532.5	1437.4	1342.4	1318.6	1153.6	933.8	823.8	762.6
130°	1259.9	1281.9	1369.8	1457.6	1369.8	1281.9	1259.9	1113.2	917.4	819.5	763.9
132.5°	1209.9	1229.6	1308.3	1387.0	1308.3	1229.6	1209.9	1078.6	903.3	815.7	764.6
135°	1139.4	1156.4	1224.2	1292.0	1224.2	1156.4	1139.4	1029.4	882.6	809.2	763.9
137.5°	1087.2	1101.1	1156.6	1212.1	1156.6	1101.1	1087.2	994.2	870.1	808.1	768.7
140°	1045.4	1058.4	1110.3	1162.2	1110.3	1058.4	1045.4	965.1	857.8	804.3	769.4
142.5°	1016.1	1027.3	1072.0	1116.6	1072.0	1027.3	1016.1	945.5	851.3	804.3	772.2
145°	972.1	980.5	1014.3	1048.2	1014.3	980.5	972.1	914.4	837.4	798.9	772.2
147.5°	935.2	942.2	970.2	998.2	970.2	942.2	935.2	889.8	829.2	798.9	777.6
150°	914.0	919.7	942.3	965.1	942.3	919.7	914.0	875.6	824.5	798.9	780.3
152.5°	897.2	901.5	918.6	935.7	918.6	901.5	897.2	864.4	820.8	798.9	782.1
155°	877.1	879.9	891.3	902.6	891.3	879.9	877.1	851.0	816.3	798.9	786.1
157.5°	859.7	861.7	869.6	877.6	869.6	861.7	859.7	839.4	812.4	798.9	790.1
160°	851.0	852.1	856.8	861.3	856.8	852.1	851.0	833.6	810.5	798.9	791.9
162.5°	842.8	843.9	848.3	852.7	848.3	843.9	842.8	828.2	808.7	798.9	793.8
165°	830.3	831.5	836.1	840.7	836.1	831.5	830.3	819.9	805.9	798.9	796.6
167.5°	824.9	825.4	827.4	829.3	827.4	825.4	824.9	818.0	808.8	804.3	802.3
170°	824.9	824.9	824.9	824.9	824.9	824.9	824.9	818.0	808.8	804.3	804.2
172.5°	820.6	820.2	818.5	816.8	818.5	820.2	820.6	815.2	807.9	804.3	804.3
175°	814.6	814.6	814.6	814.6	814.6	814.6	814.6	811.2	806.5	804.3	805.3
177.5°	813.6	813.0	811.1	809.2	811.1	813.0	813.6	810.8	807.2	805.4	806.3
180°	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2	809.2



TEST NUMBER: P934253

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1867.8	1867.8	1867.8	1867.8	1867.8
2.5°	1844.9	1853.7	1859.0	1866.0	1883.7
5°	1774.2	1807.7	1818.3	1844.9	1876.7
7.5°	1618.7	1721.1	1749.4	1813.1	1862.5
10°	1468.4	1570.9	1620.5	1770.7	1844.9
12.5°	1392.5	1452.5	1486.2	1696.4	1820.1
15°	1344.8	1387.2	1412.0	1597.5	1791.8
17.5°	1307.6	1337.7	1355.4	1500.3	1753.0
20°	1284.7	1298.8	1314.7	1429.6	1708.8
22.5°	1268.8	1259.9	1272.3	1380.1	1648.7
25°	1258.2	1224.6	1238.8	1341.3	1578.0
27.5°	1267.0	1192.8	1198.1	1305.9	1503.8
30°	1268.8	1153.9	1155.7	1268.8	1420.7
32.5°	1256.4	1113.2	1115.0	1222.9	1327.1
35°	1226.4	1065.6	1063.8	1169.8	1199.8
37.5°	1185.7	1014.3	1014.3	1111.5	1060.3
40°	1136.3	963.1	968.4	1035.5	936.5
42.5°	1076.2	908.3	915.4	934.8	844.7
45°	1010.7	855.3	860.6	789.9	774.0
47.5°	938.3	800.5	802.2	655.6	751.0
50°	851.8	743.9	736.9	561.9	749.3
52.5°	775.7	682.1	660.9	508.9	680.3
55°	701.5	616.7	570.8	468.3	630.9
57.5°	636.2	531.9	487.7	420.5	620.3
60°	576.1	448.8	415.3	369.3	569.1
62.5°	526.6	387.0	380.0	334.0	516.0
65°	473.6	344.6	342.8	304.0	438.3
67.5°	422.4	316.3	314.5	275.7	334.0
70°	367.6	286.2	282.7	245.7	247.4
72.5°	311.0	252.7	249.2	220.9	205.0
75°	254.4	213.8	212.0	192.6	166.1
77.5°	199.7	169.6	173.2	155.5	121.9
80°	143.2	123.7	127.3	111.4	91.9
82.5°	95.4	81.3	84.8	70.7	61.8
85°	53.0	45.9	47.7	37.2	28.3
87.5°	24.8	21.2	21.2	14.1	8.9
90°	23.9	15.2	14.1	9.7	5.4
92.5°	147.3	104.8	95.6	58.6	21.7
95°	362.6	204.2	187.3	119.7	52.2
97.5°	488.4	224.3	209.4	149.8	90.1
100°	534.2	241.1	227.6	173.6	119.4
102.5°	555.2	258.0	245.3	194.9	144.5
105°	570.7	282.9	272.2	229.5	186.8
107.5°	573.7	319.9	310.0	270.1	230.3
110°	569.3	340.5	331.6	295.5	259.6



TEST NUMBER: P934253

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	569.5	365.5	356.9	322.6	288.3
115°	574.8	403.0	395.1	363.4	331.8
117.5°	585.4	439.3	432.1	403.4	374.7
120°	594.1	460.5	453.7	426.8	399.7
122.5°	606.6	485.5	478.7	451.4	424.1
125°	623.5	517.6	511.3	486.5	461.6
127.5°	640.3	548.5	542.3	517.1	492.0
130°	652.6	569.1	562.4	535.4	508.4
132.5°	662.6	586.0	579.2	552.2	525.1
135°	673.4	605.5	599.4	574.8	550.2
137.5°	689.7	630.5	624.5	600.1	575.6
140°	699.7	647.3	641.7	619.3	596.8
142.5°	708.0	659.9	654.7	633.9	613.1
145°	718.9	678.8	674.3	656.2	638.1
147.5°	734.8	702.7	698.3	680.7	663.1
150°	743.1	715.2	711.2	695.3	679.4
152.5°	748.6	723.4	720.4	708.3	696.2
155°	760.5	741.3	739.1	730.1	721.2
157.5°	772.5	759.2	757.0	748.4	739.7
160°	777.9	767.4	765.7	758.9	752.2
162.5°	783.7	776.1	774.8	769.7	764.6
165°	792.0	788.5	787.4	782.8	778.3
167.5°	798.5	795.6	795.0	792.8	790.7
170°	803.9	803.7	803.2	801.0	798.9
172.5°	804.3	804.3	804.2	803.6	803.2
175°	807.5	809.2	809.2	809.2	809.2
177.5°	807.9	809.2	809.2	809.2	809.2
180°	809.2	809.2	809.2	809.2	809.2



TEST NUMBER: P934253
 CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-12-3000K

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	10.72	11.56	11.69	12.55	13.85	13.57	14.41	14.54	15.40	16.70
	3H	11.20	11.95	12.18	12.95	14.27	14.92	15.68	15.91	16.67	18.00
	4H	11.39	12.10	12.38	13.10	14.43	15.37	16.09	16.37	17.09	18.41
	6H	11.50	12.16	12.51	13.17	14.51	15.66	16.32	16.67	17.32	18.67
	8H	11.50	12.13	12.52	13.15	14.49	15.74	16.36	16.75	17.39	18.72
	12H	11.47	12.07	12.49	13.09	14.45	15.78	16.37	16.80	17.39	18.75
4H	2H	11.75	12.47	12.76	13.47	14.80	13.98	14.69	14.98	15.69	17.02
	3H	12.78	13.38	13.79	14.41	15.75	15.49	16.08	16.50	17.11	18.46
	4H	13.06	13.60	14.08	14.62	15.99	16.02	16.56	17.04	17.59	18.95
	6H	13.18	13.65	14.21	14.69	16.06	16.39	16.86	17.42	17.90	19.27
	8H	13.19	13.62	14.22	14.66	16.04	16.50	16.94	17.53	17.97	19.35
	12H	13.15	13.55	14.20	14.60	15.98	16.56	16.95	17.61	18.01	19.39
8H	4H	13.51	13.95	14.55	14.99	16.37	16.14	16.58	17.18	17.62	19.00
	6H	13.77	14.13	14.83	15.21	16.59	16.58	16.95	17.64	18.03	19.40
	8H	13.82	14.13	14.88	15.20	16.59	16.74	17.06	17.80	18.12	19.52
	12H	13.80	14.08	14.87	15.14	16.57	16.84	17.12	17.91	18.18	19.62
12H	4H	13.52	13.91	14.57	14.97	16.35	16.11	16.50	17.16	17.55	18.94
	6H	13.83	14.15	14.90	15.22	16.61	16.58	16.90	17.65	17.96	19.36
	8H	13.90	14.18	14.97	15.24	16.68	16.74	17.02	17.81	18.08	19.52