

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: P934269

Luminaire Tested: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934269
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-935-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

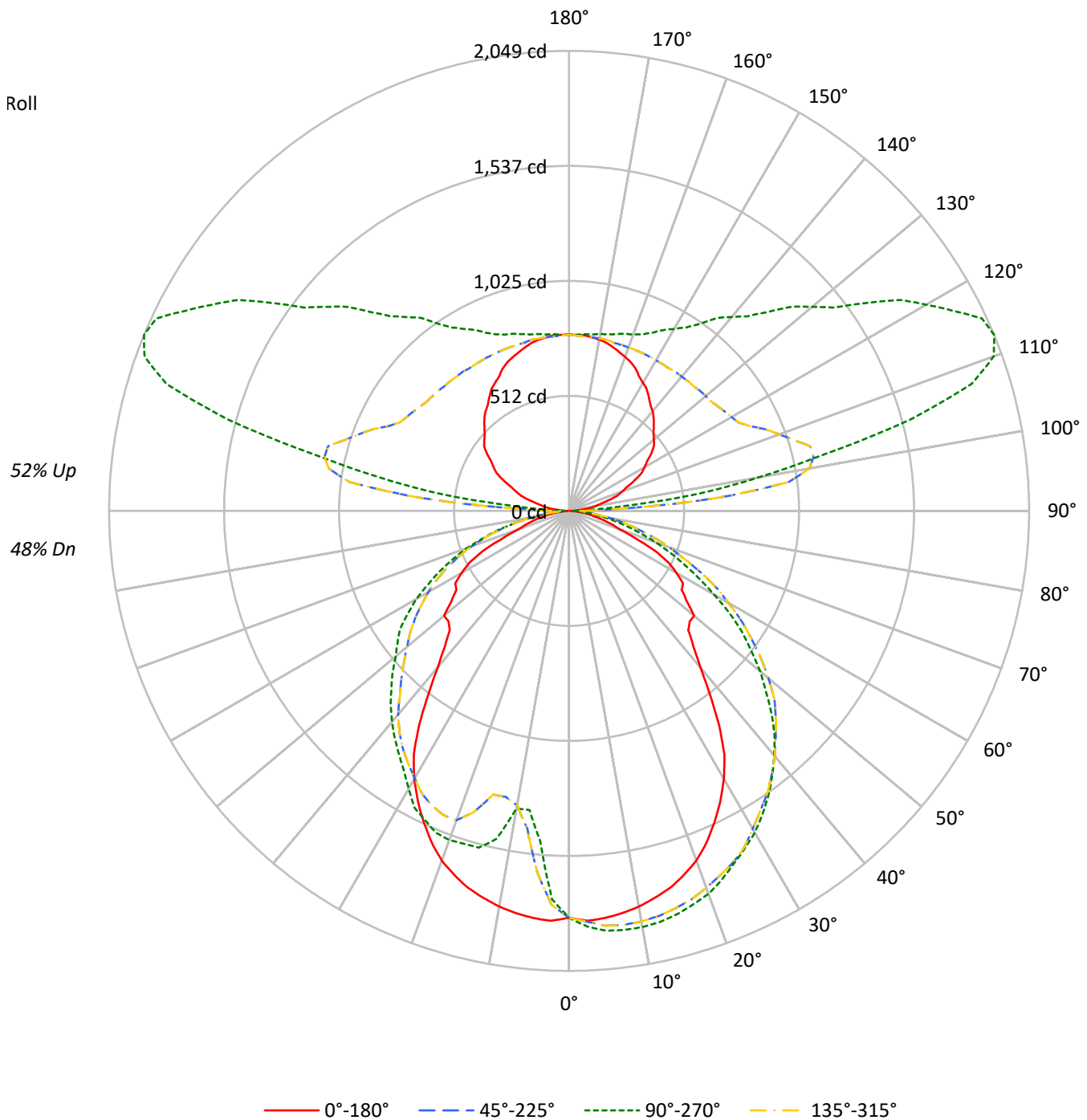
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9789.5 lumens
Efficiency: N/A
Efficacy: 114.9 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: P934269
CATALOG NUMBER: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P934269

CATALOG NUMBER: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5604	5604	5604	5604
5°	5648	5657	5648	4448
10°	5613	5573	5613	3984
15°	5554	5452	5554	4552
20°	5440	5309	5440	4562
25°	5204	5100	5204	4465
30°	4899	4927	4899	4253
35°	4369	4708	4369	4020
40°	3643	4450	3643	3844
45°	3257	4148	3257	3641
50°	3463	3788	3463	3437
55°	3261	3400	3261	3320
60°	3366	2888	3366	3041
65°	3057	2387	3057	2668
70°	2122	1903	2122	2237
75°	1867	1406	1867	1684
80°	1515	930	1515	1012
85°	888	493	888	419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4989 cd/sqm



TEST NUMBER: P934269

CATALOG NUMBER: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.6	1.7
10°-20°	464.4	4.7
20°-30°	717.8	7.3
30°-40°	857.0	8.8
40°-50°	862.0	8.8
50°-60°	750.0	7.7
60°-70°	531.8	5.4
70°-80°	281.3	2.9
80°-90°	73.1	0.7
90°-100°	382.6	3.9
100°-110°	1005.9	10.3
110°-120°	1043.0	10.7
120°-130°	836.7	8.5
130°-140°	656.5	6.7
140°-150°	503.9	5.1
150°-160°	362.9	3.7
160°-170°	222.0	2.3
170°-180°	75.0	0.8
0°-30°	1345.8	13.7
0°-40°	2202.7	22.5
0°-60°	3814.7	39.0
0°-90°	4700.9	48.0
90°-120°	2431.6	24.8
90°-150°	4428.6	45.2
90°-180°	5089.0	52.0
0°-180°	9789.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1812	1812	1812	1812	1812	
5°	1820	1877	1820	1476	1820	173
15°	1738	1860	1738	1553	1738	489
25°	1531	1735	1531	1519	1531	703
35°	1164	1548	1164	1322	1164	720
45°	751	1275	751	1119	751	601
55°	612	941	612	919	612	562
65°	425	567	425	634	425	406
75°	161	269	161	322	161	169
85°	27	69	27	58	27	37
90°	5	20	5	20	5	6
95°	51	231	51	231	51	56
105°	181	1575	181	1575	181	192
115°	322	2028	322	2028	322	318
125°	448	1615	448	1615	448	398
135°	534	1253	534	1253	534	413
145°	619	1017	619	1017	619	388
155°	700	876	700	876	700	321
165°	755	816	755	816	755	213
175°	785	790	785	790	785	75
180°	785	785	785	785	785	



TEST NUMBER: P934269
 CATALOG NUMBER: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1827.3	1827.3	1837.6	1841.0	1841.0	1835.9	1830.8	1835.9	1851.3	1856.4	1854.7
5°	1820.5	1834.2	1853.0	1856.4	1859.9	1858.2	1854.7	1858.2	1875.3	1878.7	1880.4
7.5°	1806.8	1832.5	1856.4	1861.6	1866.7	1861.6	1859.9	1863.3	1880.4	1883.9	1883.9
10°	1789.6	1825.6	1853.0	1856.4	1861.6	1856.4	1856.4	1863.3	1880.4	1883.9	1885.6
12.5°	1765.6	1815.4	1841.0	1844.5	1851.3	1849.6	1847.9	1854.7	1871.9	1875.3	1875.3
15°	1738.2	1796.4	1820.5	1823.9	1835.9	1832.5	1832.5	1839.3	1858.2	1863.3	1861.6
17.5°	1700.5	1772.5	1799.9	1805.0	1813.7	1811.9	1813.7	1820.5	1837.6	1841.0	1842.8
20°	1657.7	1739.9	1772.5	1777.6	1786.2	1786.2	1786.2	1794.7	1811.9	1818.8	1818.8
22.5°	1599.4	1705.6	1739.9	1743.4	1753.6	1753.6	1757.1	1769.0	1784.4	1786.2	1786.2
25°	1530.8	1667.9	1697.0	1707.3	1717.6	1722.7	1727.9	1734.8	1739.9	1738.2	1739.9
27.5°	1458.8	1619.9	1657.7	1664.5	1678.2	1683.3	1690.2	1691.9	1693.6	1698.7	1695.3
30°	1378.2	1553.0	1609.6	1616.5	1638.7	1642.2	1635.3	1638.7	1647.3	1650.8	1654.2
32.5°	1287.4	1453.6	1559.9	1575.3	1595.9	1585.7	1583.9	1589.1	1602.8	1602.8	1606.2
35°	1163.9	1376.5	1513.7	1527.4	1542.8	1530.8	1537.6	1539.3	1547.9	1553.0	1551.3
37.5°	1028.5	1309.6	1465.6	1475.9	1487.9	1472.5	1482.7	1487.9	1494.7	1491.3	1491.3
40°	908.5	1205.1	1409.0	1415.9	1426.2	1414.2	1424.5	1428.0	1431.4	1428.0	1426.2
42.5°	819.4	1090.2	1349.1	1357.7	1350.8	1359.4	1362.8	1369.7	1364.5	1357.7	1357.7
45°	750.8	1059.4	1284.0	1294.2	1284.0	1297.7	1302.8	1302.8	1287.4	1284.0	1282.2
47.5°	728.5	997.7	1218.8	1218.8	1213.7	1230.8	1239.3	1227.4	1212.0	1206.8	1206.8
50°	726.8	929.1	1129.7	1122.8	1146.8	1167.3	1158.8	1146.8	1134.8	1115.9	1115.9
52.5°	660.0	845.1	1014.8	1040.5	1078.2	1090.2	1076.5	1064.5	1044.0	1035.4	1028.5
55°	612.0	757.7	910.2	961.7	1001.1	1016.5	990.8	978.8	947.9	942.8	939.4
57.5°	601.7	630.8	814.3	879.3	927.4	925.7	910.2	888.0	862.2	857.1	855.4
60°	552.0	456.0	711.4	788.5	838.2	833.1	819.4	798.8	774.8	771.4	768.0
62.5°	500.6	330.8	594.8	682.3	752.5	750.8	738.9	707.9	690.8	682.3	675.4
65°	425.1	277.7	423.4	567.4	668.6	672.0	646.2	624.0	605.1	594.8	593.1
67.5°	324.0	226.3	286.3	473.1	588.0	584.6	552.0	541.7	517.7	512.6	502.3
70°	240.0	150.9	198.9	384.0	509.2	500.6	474.8	462.8	440.6	428.6	421.7
72.5°	198.9	121.7	145.7	298.3	428.6	418.2	396.0	382.3	363.4	353.2	346.3
75°	161.1	128.6	111.4	221.1	348.0	341.1	320.5	306.8	291.4	277.7	279.4
77.5°	118.3	120.0	89.1	162.8	276.0	265.7	253.7	236.6	229.7	216.0	216.0
80°	89.1	94.3	66.9	111.4	198.9	198.9	188.5	176.5	164.5	157.7	157.7
82.5°	60.0	60.0	49.7	70.3	135.4	130.3	123.5	120.0	113.1	109.7	109.7
85°	27.4	34.3	30.8	42.9	73.7	77.1	77.1	73.7	72.0	68.6	70.3
87.5°	8.6	15.4	18.8	24.0	37.7	39.4	41.2	41.2	41.2	42.9	42.9
90°	5.3	9.5	13.7	14.7	23.2	34.4	40.0	35.6	26.7	20.0	20.0
92.5°	21.0	56.8	92.7	101.6	142.9	197.9	225.4	197.6	141.9	100.1	96.1
95°	50.6	116.1	181.7	198.1	351.7	556.6	659.0	588.1	446.2	339.8	327.7
97.5°	87.4	145.3	203.1	217.6	473.8	815.4	986.2	941.4	851.7	784.4	761.5
100°	115.9	168.4	220.8	233.9	518.2	897.2	1086.8	1090.0	1096.6	1101.6	1074.2
102.5°	140.2	189.1	238.0	250.2	538.5	923.1	1115.3	1172.4	1286.6	1372.3	1348.9
105°	181.2	222.6	264.0	274.4	553.6	926.0	1112.1	1240.2	1496.3	1688.4	1675.8
107.5°	223.4	262.0	300.7	310.3	556.5	884.8	1048.9	1227.6	1584.9	1852.8	1855.9
110°	251.9	286.7	321.6	330.3	552.3	848.3	996.2	1196.0	1595.4	1894.9	1908.1



TEST NUMBER: P934269

CATALOG NUMBER: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	279.7	312.9	346.2	354.5	552.4	816.3	948.3	1152.7	1561.5	1868.1	1888.2
115°	321.9	352.6	383.2	390.9	557.5	779.8	890.9	1087.7	1481.5	1776.9	1804.9
117.5°	363.5	391.3	419.2	426.2	567.9	756.8	851.3	1029.0	1384.4	1651.0	1681.9
120°	387.7	414.0	440.1	446.7	576.3	749.2	835.6	997.9	1322.6	1566.2	1596.3
122.5°	411.4	437.9	464.3	471.0	588.5	745.1	823.4	969.6	1262.1	1481.4	1511.0
125°	447.8	471.9	496.0	502.1	604.8	741.8	810.3	934.5	1182.8	1369.2	1396.5
127.5°	477.3	501.7	526.0	532.1	621.1	739.8	799.2	905.8	1119.1	1279.1	1302.2
130°	493.1	519.4	545.5	552.1	633.0	741.0	795.0	889.9	1079.8	1222.2	1243.5
132.5°	509.4	535.7	561.9	568.5	642.7	741.8	791.3	876.3	1046.3	1173.7	1192.8
135°	533.7	557.5	581.4	587.4	653.2	741.1	784.9	856.2	998.5	1105.3	1121.7
137.5°	558.4	582.1	605.8	611.7	669.1	745.7	783.9	844.1	964.5	1054.7	1068.2
140°	578.9	600.7	622.5	627.9	678.7	746.4	780.2	832.1	936.2	1014.1	1026.7
142.5°	594.8	614.9	635.1	640.1	686.8	749.1	780.2	825.8	917.2	985.7	996.5
145°	619.0	636.5	654.1	658.5	697.4	749.1	775.0	812.3	887.0	943.0	951.2
147.5°	643.3	660.3	677.4	681.7	712.8	754.3	775.0	804.4	863.2	907.2	914.0
150°	659.0	674.4	689.9	693.8	720.9	756.9	775.0	799.8	849.4	886.6	892.1
152.5°	675.4	687.1	698.8	701.7	726.2	758.7	775.0	796.2	838.5	870.3	874.5
155°	699.6	708.3	717.0	719.1	737.7	762.5	775.0	791.8	825.5	850.8	853.5
157.5°	717.6	726.0	734.3	736.5	749.3	766.5	775.0	788.1	814.3	833.9	835.9
160°	729.7	736.2	742.8	744.4	754.6	768.2	775.0	786.2	808.6	825.5	826.6
162.5°	741.8	746.7	751.6	752.8	760.2	770.0	775.0	784.4	803.4	817.6	818.6
165°	755.0	759.4	763.8	764.9	768.2	772.8	775.0	781.8	795.3	805.5	806.6
167.5°	767.1	769.1	771.2	771.7	774.6	778.3	780.2	784.6	793.6	800.2	800.7
170°	775.0	777.0	779.2	779.7	779.8	780.1	780.2	784.6	793.6	800.2	800.2
172.5°	779.2	779.6	780.1	780.2	780.2	780.2	780.2	783.7	790.7	796.0	795.6
175°	784.9	784.9	784.9	784.9	783.3	781.2	780.2	782.4	786.9	790.2	790.2
177.5°	784.9	784.9	784.9	784.9	783.8	782.1	781.3	783.1	786.6	789.2	788.7
180°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9



TEST NUMBER: P934269

CATALOG NUMBER: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1858.2	1853.0	1858.2	1854.7	1856.4	1851.3	1835.9	1830.8	1835.9	1841.0	1841.0
5°	1880.4	1877.0	1880.4	1880.4	1878.7	1875.3	1858.2	1854.7	1858.2	1859.9	1856.4
7.5°	1887.4	1882.2	1887.4	1883.9	1883.9	1880.4	1863.3	1859.9	1861.6	1866.7	1861.6
10°	1887.4	1882.2	1887.4	1885.6	1883.9	1880.4	1863.3	1856.4	1856.4	1861.6	1856.4
12.5°	1878.7	1875.3	1878.7	1875.3	1875.3	1871.9	1854.7	1847.9	1849.6	1851.3	1844.5
15°	1865.0	1859.9	1865.0	1861.6	1863.3	1858.2	1839.3	1832.5	1832.5	1835.9	1823.9
17.5°	1844.5	1837.6	1844.5	1842.8	1841.0	1837.6	1820.5	1813.7	1811.9	1813.7	1805.0
20°	1820.5	1815.4	1820.5	1818.8	1818.8	1811.9	1794.7	1786.2	1786.2	1786.2	1777.6
22.5°	1782.7	1777.6	1782.7	1786.2	1786.2	1784.4	1769.0	1757.1	1753.6	1753.6	1743.4
25°	1739.9	1734.8	1739.9	1739.9	1738.2	1739.9	1734.8	1727.9	1722.7	1717.6	1707.3
27.5°	1698.7	1695.3	1698.7	1695.3	1698.7	1693.6	1691.9	1690.2	1683.3	1678.2	1664.5
30°	1657.7	1654.2	1657.7	1654.2	1650.8	1647.3	1638.7	1635.3	1642.2	1638.7	1616.5
32.5°	1606.2	1602.8	1606.2	1606.2	1602.8	1602.8	1589.1	1583.9	1585.7	1595.9	1575.3
35°	1553.0	1547.9	1553.0	1551.3	1553.0	1547.9	1539.3	1537.6	1530.8	1542.8	1527.4
37.5°	1491.3	1486.2	1491.3	1491.3	1491.3	1494.7	1487.9	1482.7	1472.5	1487.9	1475.9
40°	1428.0	1421.1	1428.0	1426.2	1428.0	1431.4	1428.0	1424.5	1414.2	1426.2	1415.9
42.5°	1356.0	1354.2	1356.0	1357.7	1357.7	1364.5	1369.7	1362.8	1359.4	1350.8	1357.7
45°	1278.8	1275.4	1278.8	1282.2	1284.0	1287.4	1302.8	1302.8	1297.7	1284.0	1294.2
47.5°	1196.5	1187.9	1196.5	1206.8	1206.8	1212.0	1227.4	1239.3	1230.8	1213.7	1218.8
50°	1109.0	1110.8	1109.0	1115.9	1115.9	1134.8	1146.8	1158.8	1167.3	1146.8	1122.8
52.5°	1023.3	1021.6	1023.3	1028.5	1035.4	1044.0	1064.5	1076.5	1090.2	1078.2	1040.5
55°	937.6	941.1	937.6	939.4	942.8	947.9	978.8	990.8	1016.5	1001.1	961.7
57.5°	851.9	846.8	851.9	855.4	857.1	862.2	888.0	910.2	925.7	927.4	879.3
60°	752.5	745.7	752.5	768.0	771.4	774.8	798.8	819.4	833.1	838.2	788.5
62.5°	665.1	653.1	665.1	675.4	682.3	690.8	707.9	738.9	750.8	752.5	682.3
65°	572.5	567.4	572.5	593.1	594.8	605.1	624.0	646.2	672.0	668.6	567.4
67.5°	488.5	488.5	488.5	502.3	512.6	517.7	541.7	552.0	584.6	588.0	473.1
70°	411.4	409.7	411.4	421.7	428.6	440.6	462.8	474.8	500.6	509.2	384.0
72.5°	337.7	335.9	337.7	346.3	353.2	363.4	382.3	396.0	418.2	428.6	298.3
75°	272.6	269.1	272.6	279.4	277.7	291.4	306.8	320.5	341.1	348.0	221.1
77.5°	209.2	209.2	209.2	216.0	216.0	229.7	236.6	253.7	265.7	276.0	162.8
80°	156.0	154.3	156.0	157.7	157.7	164.5	176.5	188.5	198.9	198.9	111.4
82.5°	109.7	106.2	109.7	109.7	109.7	113.1	120.0	123.5	130.3	135.4	70.3
85°	68.6	68.6	68.6	70.3	68.6	72.0	73.7	77.1	77.1	73.7	42.9
87.5°	44.6	42.9	44.6	42.9	42.9	41.2	41.2	41.2	39.4	37.7	24.0
90°	20.0	20.0	20.0	20.0	20.0	26.7	35.6	40.0	34.4	23.2	14.7
92.5°	80.2	64.2	80.2	96.1	100.1	141.9	197.6	225.4	197.9	142.9	101.6
95°	279.5	231.2	279.5	327.7	339.8	446.2	588.1	659.0	556.6	351.7	198.1
97.5°	669.7	577.9	669.7	761.5	784.4	851.7	941.4	986.2	815.4	473.8	217.6
100°	964.9	855.6	964.9	1074.2	1101.6	1096.6	1090.0	1086.8	897.2	518.2	233.9
102.5°	1255.3	1161.6	1255.3	1348.9	1372.3	1286.6	1172.4	1115.3	923.1	538.5	250.2
105°	1625.5	1575.2	1625.5	1675.8	1688.4	1496.3	1240.2	1112.1	926.0	553.6	274.4
107.5°	1868.0	1880.2	1868.0	1855.9	1852.8	1584.9	1227.6	1048.9	884.8	556.5	310.3
110°	1960.5	2012.9	1960.5	1908.1	1894.9	1595.4	1196.0	996.2	848.3	552.3	330.3



TEST NUMBER: P934269

CATALOG NUMBER: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1968.8	2049.3	1968.8	1888.2	1868.1	1561.5	1152.7	948.3	816.3	552.4	354.5
115°	1916.6	2028.3	1916.6	1804.9	1776.9	1481.5	1087.7	890.9	779.8	557.5	390.9
117.5°	1805.8	1929.7	1805.8	1681.9	1651.0	1384.4	1029.0	851.3	756.8	567.9	426.2
120°	1716.7	1837.0	1716.7	1596.3	1566.2	1322.6	997.9	835.6	749.2	576.3	446.7
122.5°	1629.8	1748.5	1629.8	1511.0	1481.4	1262.1	969.6	823.4	745.1	588.5	471.0
125°	1505.8	1615.2	1505.8	1396.5	1369.2	1182.8	934.5	810.3	741.8	604.8	502.1
127.5°	1394.4	1486.7	1394.4	1302.2	1279.1	1119.1	905.8	799.2	739.8	621.1	532.1
130°	1328.8	1414.0	1328.8	1243.5	1222.2	1079.8	889.9	795.0	741.0	633.0	552.1
132.5°	1269.1	1345.5	1269.1	1192.8	1173.7	1046.3	876.3	791.3	741.8	642.7	568.5
135°	1187.5	1253.3	1187.5	1121.7	1105.3	998.5	856.2	784.9	741.1	653.2	587.4
137.5°	1122.0	1175.8	1122.0	1068.2	1054.7	964.5	844.1	783.9	745.7	669.1	611.7
140°	1077.0	1127.4	1077.0	1026.7	1014.1	936.2	832.1	780.2	746.4	678.7	627.9
142.5°	1039.9	1083.1	1039.9	996.5	985.7	917.2	825.8	780.2	749.1	686.8	640.1
145°	984.0	1016.8	984.0	951.2	943.0	887.0	812.3	775.0	749.1	697.4	658.5
147.5°	941.1	968.3	941.1	914.0	907.2	863.2	804.4	775.0	754.3	712.8	681.7
150°	914.1	936.2	914.1	892.1	886.6	849.4	799.8	775.0	756.9	720.9	693.8
152.5°	891.1	907.7	891.1	874.5	870.3	838.5	796.2	775.0	758.7	726.2	701.7
155°	864.6	875.6	864.6	853.5	850.8	825.5	791.8	775.0	762.5	737.7	719.1
157.5°	843.6	851.3	843.6	835.9	833.9	814.3	788.1	775.0	766.5	749.3	736.5
160°	831.1	835.6	831.1	826.6	825.5	808.6	786.2	775.0	768.2	754.6	744.4
162.5°	822.9	827.1	822.9	818.6	817.6	803.4	784.4	775.0	770.0	760.2	752.8
165°	811.1	815.5	811.1	806.6	805.5	795.3	781.8	775.0	772.8	768.2	764.9
167.5°	802.6	804.5	802.6	800.7	800.2	793.6	784.6	780.2	778.3	774.6	771.7
170°	800.2	800.2	800.2	800.2	800.2	793.6	784.6	780.2	780.1	779.8	779.7
172.5°	794.0	792.4	794.0	795.6	796.0	790.7	783.7	780.2	780.2	780.2	780.2
175°	790.2	790.2	790.2	790.2	790.2	786.9	782.4	780.2	781.2	783.3	784.9
177.5°	786.8	784.9	786.8	788.7	789.2	786.6	783.1	781.3	782.1	783.8	784.9
180°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9



TEST NUMBER: P934269

CATALOG NUMBER: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1837.6	1827.3	1827.3	1810.2	1803.3	1798.1	1789.6	1763.9	1757.1	1750.2	1760.5
5°	1853.0	1834.2	1820.5	1789.6	1763.9	1753.6	1721.0	1659.4	1618.2	1587.4	1570.2
7.5°	1856.4	1832.5	1806.8	1758.8	1697.0	1669.6	1570.2	1457.1	1426.2	1398.8	1381.6
10°	1853.0	1825.6	1789.6	1717.6	1571.9	1523.9	1424.5	1350.8	1331.9	1326.8	1331.9
12.5°	1841.0	1815.4	1765.6	1645.6	1441.7	1409.0	1350.8	1307.9	1304.5	1313.1	1359.4
15°	1820.5	1796.4	1738.2	1549.6	1369.7	1345.6	1304.5	1289.1	1307.9	1367.9	1506.8
17.5°	1799.9	1772.5	1700.5	1455.4	1314.8	1297.7	1268.5	1299.4	1405.6	1486.2	1532.5
20°	1772.5	1739.9	1657.7	1386.8	1275.4	1259.9	1246.2	1385.1	1465.6	1494.7	1520.5
22.5°	1739.9	1705.6	1599.4	1338.7	1234.2	1222.2	1230.8	1433.1	1465.6	1486.2	1508.5
25°	1697.0	1667.9	1530.8	1301.1	1201.7	1187.9	1220.5	1428.0	1446.8	1451.9	1496.5
27.5°	1657.7	1619.9	1458.8	1266.8	1162.2	1157.1	1229.1	1405.6	1419.3	1424.5	1472.5
30°	1609.6	1553.0	1378.2	1230.8	1121.1	1119.4	1230.8	1378.2	1374.8	1388.5	1436.5
32.5°	1559.9	1453.6	1287.4	1186.2	1081.6	1079.9	1218.8	1337.0	1333.6	1352.5	1388.5
35°	1513.7	1376.5	1163.9	1134.8	1031.9	1033.6	1189.6	1289.1	1290.8	1307.9	1330.2
37.5°	1465.6	1309.6	1028.5	1078.2	984.0	984.0	1150.2	1244.5	1241.1	1246.2	1277.1
40°	1409.0	1205.1	908.5	1004.5	939.4	934.2	1102.2	1196.5	1184.5	1182.8	1225.6
42.5°	1349.1	1090.2	819.4	906.8	888.0	881.1	1044.0	1138.2	1115.9	1121.1	1175.9
45°	1284.0	1059.4	750.8	766.2	834.8	829.7	980.5	1071.4	1056.0	1069.7	1126.3
47.5°	1218.8	997.7	728.5	635.9	778.2	776.5	910.2	1006.2	997.7	1011.4	1071.4
50°	1129.7	929.1	726.8	545.1	714.8	721.6	826.3	942.8	942.8	954.8	1018.2
52.5°	1014.8	845.1	660.0	493.6	641.1	661.7	752.5	888.0	891.4	903.4	959.9
55°	910.2	757.7	612.0	454.3	553.7	598.3	680.5	831.4	838.2	850.2	901.7
57.5°	814.3	630.8	601.7	407.9	473.1	516.0	617.1	776.5	779.9	790.2	840.0
60°	711.4	456.0	552.0	358.3	402.8	435.4	558.8	711.4	723.3	730.2	773.1
62.5°	594.8	330.8	500.6	324.0	368.6	375.4	510.9	649.6	665.1	670.3	696.0
65°	423.4	277.7	425.1	294.9	332.5	334.2	459.4	586.3	600.0	608.5	627.4
67.5°	286.3	226.3	324.0	267.4	305.1	306.8	409.7	512.6	531.4	538.3	550.2
70°	198.9	150.9	240.0	238.3	274.3	277.7	356.6	445.7	462.8	468.0	474.8
72.5°	145.7	121.7	198.9	214.3	241.7	245.1	301.7	370.3	387.4	392.5	396.0
75°	111.4	128.6	161.1	186.8	205.7	207.4	246.8	301.7	313.7	317.1	318.8
77.5°	89.1	120.0	118.3	150.9	168.0	164.5	193.7	233.1	243.4	243.4	243.4
80°	66.9	94.3	89.1	108.0	123.5	120.0	138.9	166.3	169.7	173.1	171.4
82.5°	49.7	60.0	60.0	68.6	82.3	78.9	92.5	108.0	108.0	108.0	111.4
85°	30.8	34.3	27.4	36.0	46.3	44.6	51.5	58.3	60.0	60.0	56.6
87.5°	18.8	15.4	8.6	13.7	20.5	20.5	24.0	25.7	24.0	24.0	24.0
90°	13.7	9.5	5.3	9.5	13.7	14.7	23.2	34.4	40.0	35.6	26.7
92.5°	92.7	56.8	21.0	56.8	92.7	101.6	142.9	197.9	225.4	197.6	141.9
95°	181.7	116.1	50.6	116.1	181.7	198.1	351.7	556.6	659.0	588.1	446.2
97.5°	203.1	145.3	87.4	145.3	203.1	217.6	473.8	815.4	986.2	941.4	851.7
100°	220.8	168.4	115.9	168.4	220.8	233.9	518.2	897.2	1086.8	1090.0	1096.6
102.5°	238.0	189.1	140.2	189.1	238.0	250.2	538.5	923.1	1115.3	1172.4	1286.6
105°	264.0	222.6	181.2	222.6	264.0	274.4	553.6	926.0	1112.1	1240.2	1496.3
107.5°	300.7	262.0	223.4	262.0	300.7	310.3	556.5	884.8	1048.9	1227.6	1584.9
110°	321.6	286.7	251.9	286.7	321.6	330.3	552.3	848.3	996.2	1196.0	1595.4



TEST NUMBER: P934269

CATALOG NUMBER: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	346.2	312.9	279.7	312.9	346.2	354.5	552.4	816.3	948.3	1152.7	1561.5
115°	383.2	352.6	321.9	352.6	383.2	390.9	557.5	779.8	890.9	1087.7	1481.5
117.5°	419.2	391.3	363.5	391.3	419.2	426.2	567.9	756.8	851.3	1029.0	1384.4
120°	440.1	414.0	387.7	414.0	440.1	446.7	576.3	749.2	835.6	997.9	1322.6
122.5°	464.3	437.9	411.4	437.9	464.3	471.0	588.5	745.1	823.4	969.6	1262.1
125°	496.0	471.9	447.8	471.9	496.0	502.1	604.8	741.8	810.3	934.5	1182.8
127.5°	526.0	501.7	477.3	501.7	526.0	532.1	621.1	739.8	799.2	905.8	1119.1
130°	545.5	519.4	493.1	519.4	545.5	552.1	633.0	741.0	795.0	889.9	1079.8
132.5°	561.9	535.7	509.4	535.7	561.9	568.5	642.7	741.8	791.3	876.3	1046.3
135°	581.4	557.5	533.7	557.5	581.4	587.4	653.2	741.1	784.9	856.2	998.5
137.5°	605.8	582.1	558.4	582.1	605.8	611.7	669.1	745.7	783.9	844.1	964.5
140°	622.5	600.7	578.9	600.7	622.5	627.9	678.7	746.4	780.2	832.1	936.2
142.5°	635.1	614.9	594.8	614.9	635.1	640.1	686.8	749.1	780.2	825.8	917.2
145°	654.1	636.5	619.0	636.5	654.1	658.5	697.4	749.1	775.0	812.3	887.0
147.5°	677.4	660.3	643.3	660.3	677.4	681.7	712.8	754.3	775.0	804.4	863.2
150°	689.9	674.4	659.0	674.4	689.9	693.8	720.9	756.9	775.0	799.8	849.4
152.5°	698.8	687.1	675.4	687.1	698.8	701.7	726.2	758.7	775.0	796.2	838.5
155°	717.0	708.3	699.6	708.3	717.0	719.1	737.7	762.5	775.0	791.8	825.5
157.5°	734.3	726.0	717.6	726.0	734.3	736.5	749.3	766.5	775.0	788.1	814.3
160°	742.8	736.2	729.7	736.2	742.8	744.4	754.6	768.2	775.0	786.2	808.6
162.5°	751.6	746.7	741.8	746.7	751.6	752.8	760.2	770.0	775.0	784.4	803.4
165°	763.8	759.4	755.0	759.4	763.8	764.9	768.2	772.8	775.0	781.8	795.3
167.5°	771.2	769.1	767.1	769.1	771.2	771.7	774.6	778.3	780.2	784.6	793.6
170°	779.2	777.0	775.0	777.0	779.2	779.7	779.8	780.1	780.2	784.6	793.6
172.5°	780.1	779.6	779.2	779.6	780.1	780.2	780.2	780.2	780.2	783.7	790.7
175°	784.9	784.9	784.9	784.9	784.9	784.9	783.3	781.2	780.2	782.4	786.9
177.5°	784.9	784.9	784.9	784.9	784.9	784.9	783.8	782.1	781.3	783.1	786.6
180°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9



TEST NUMBER: P934269

CATALOG NUMBER: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1748.5	1743.4	1750.2	1731.3	1750.2	1743.4	1748.5	1760.5	1750.2	1757.1	1763.9
5°	1534.2	1525.6	1498.2	1475.9	1498.2	1525.6	1534.2	1570.2	1587.4	1618.2	1659.4
7.5°	1371.4	1364.5	1357.7	1343.9	1357.7	1364.5	1371.4	1381.6	1398.8	1426.2	1457.1
10°	1335.3	1337.0	1347.4	1345.6	1347.4	1337.0	1335.3	1331.9	1326.8	1331.9	1350.8
12.5°	1428.0	1443.4	1499.9	1496.5	1499.9	1443.4	1428.0	1359.4	1313.1	1304.5	1307.9
15°	1534.2	1539.3	1551.3	1553.0	1551.3	1539.3	1534.2	1506.8	1367.9	1307.9	1289.1
17.5°	1544.5	1546.2	1554.7	1554.7	1554.7	1546.2	1544.5	1532.5	1486.2	1405.6	1299.4
20°	1535.9	1539.3	1556.5	1559.9	1556.5	1539.3	1535.9	1520.5	1494.7	1465.6	1385.1
22.5°	1532.5	1539.3	1553.0	1551.3	1553.0	1539.3	1532.5	1508.5	1486.2	1465.6	1433.1
25°	1515.4	1515.4	1517.1	1518.8	1517.1	1515.4	1515.4	1496.5	1451.9	1446.8	1428.0
27.5°	1479.3	1482.7	1493.0	1491.3	1493.0	1482.7	1479.3	1472.5	1424.5	1419.3	1405.6
30°	1446.8	1443.4	1434.8	1428.0	1434.8	1443.4	1446.8	1436.5	1388.5	1374.8	1378.2
32.5°	1391.9	1383.3	1374.8	1369.7	1374.8	1383.3	1391.9	1388.5	1352.5	1333.6	1337.0
35°	1326.8	1328.5	1326.8	1321.6	1326.8	1328.5	1326.8	1330.2	1307.9	1290.8	1289.1
37.5°	1280.5	1284.0	1282.2	1275.4	1282.2	1284.0	1280.5	1277.1	1246.2	1241.1	1244.5
40°	1232.5	1234.2	1232.5	1227.4	1232.5	1234.2	1232.5	1225.6	1182.8	1184.5	1196.5
42.5°	1186.2	1184.5	1179.3	1175.9	1179.3	1184.5	1186.2	1175.9	1121.1	1115.9	1138.2
45°	1133.1	1134.8	1124.5	1119.4	1124.5	1134.8	1133.1	1126.3	1069.7	1056.0	1071.4
47.5°	1079.9	1079.9	1071.4	1066.2	1071.4	1079.9	1079.9	1071.4	1011.4	997.7	1006.2
50°	1023.3	1021.6	1009.6	1007.9	1009.6	1021.6	1023.3	1018.2	954.8	942.8	942.8
52.5°	958.2	958.2	959.9	963.4	959.9	958.2	958.2	959.9	903.4	891.4	888.0
55°	901.7	903.4	915.4	918.8	915.4	903.4	901.7	901.7	850.2	838.2	831.4
57.5°	843.4	843.4	851.9	851.9	851.9	843.4	843.4	840.0	790.2	779.9	776.5
60°	776.5	779.9	786.8	785.1	786.8	779.9	776.5	773.1	730.2	723.3	711.4
62.5°	706.2	709.7	711.4	707.9	711.4	709.7	706.2	696.0	670.3	665.1	649.6
65°	632.5	635.9	637.6	634.2	637.6	635.9	632.5	627.4	608.5	600.0	586.3
67.5°	557.1	555.4	553.7	560.5	553.7	555.4	557.1	550.2	538.3	531.4	512.6
70°	479.9	479.9	478.2	481.7	478.2	479.9	479.9	474.8	468.0	462.8	445.7
72.5°	397.7	396.0	402.8	397.7	402.8	396.0	397.7	396.0	392.5	387.4	370.3
75°	317.1	320.5	317.1	322.2	317.1	320.5	317.1	318.8	317.1	313.7	301.7
77.5°	241.7	245.1	241.7	241.7	241.7	245.1	241.7	243.4	243.4	243.4	233.1
80°	171.4	169.7	169.7	168.0	169.7	169.7	171.4	171.4	173.1	169.7	166.3
82.5°	109.7	108.0	108.0	111.4	108.0	108.0	109.7	111.4	108.0	108.0	108.0
85°	60.0	61.7	58.3	58.3	58.3	61.7	60.0	56.6	60.0	60.0	58.3
87.5°	22.3	20.5	20.5	20.5	20.5	20.5	22.3	24.0	24.0	24.0	25.7
90°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	26.7	35.6	40.0	34.4
92.5°	100.1	96.1	80.2	64.2	80.2	96.1	100.1	141.9	197.6	225.4	197.9
95°	339.8	327.7	279.5	231.2	279.5	327.7	339.8	446.2	588.1	659.0	556.6
97.5°	784.4	761.5	669.7	577.9	669.7	761.5	784.4	851.7	941.4	986.2	815.4
100°	1101.6	1074.2	964.9	855.6	964.9	1074.2	1101.6	1096.6	1090.0	1086.8	897.2
102.5°	1372.3	1348.9	1255.3	1161.6	1255.3	1348.9	1372.3	1286.6	1172.4	1115.3	923.1
105°	1688.4	1675.8	1625.5	1575.2	1625.5	1675.8	1688.4	1496.3	1240.2	1112.1	926.0
107.5°	1852.8	1855.9	1868.0	1880.2	1868.0	1855.9	1852.8	1584.9	1227.6	1048.9	884.8
110°	1894.9	1908.1	1960.5	2012.9	1960.5	1908.1	1894.9	1595.4	1196.0	996.2	848.3



TEST NUMBER: P934269

CATALOG NUMBER: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1868.1	1888.2	1968.8	2049.3	1968.8	1888.2	1868.1	1561.5	1152.7	948.3	816.3
115°	1776.9	1804.9	1916.6	2028.3	1916.6	1804.9	1776.9	1481.5	1087.7	890.9	779.8
117.5°	1651.0	1681.9	1805.8	1929.7	1805.8	1681.9	1651.0	1384.4	1029.0	851.3	756.8
120°	1566.2	1596.3	1716.7	1837.0	1716.7	1596.3	1566.2	1322.6	997.9	835.6	749.2
122.5°	1481.4	1511.0	1629.8	1748.5	1629.8	1511.0	1481.4	1262.1	969.6	823.4	745.1
125°	1369.2	1396.5	1505.8	1615.2	1505.8	1396.5	1369.2	1182.8	934.5	810.3	741.8
127.5°	1279.1	1302.2	1394.4	1486.7	1394.4	1302.2	1279.1	1119.1	905.8	799.2	739.8
130°	1222.2	1243.5	1328.8	1414.0	1328.8	1243.5	1222.2	1079.8	889.9	795.0	741.0
132.5°	1173.7	1192.8	1269.1	1345.5	1269.1	1192.8	1173.7	1046.3	876.3	791.3	741.8
135°	1105.3	1121.7	1187.5	1253.3	1187.5	1121.7	1105.3	998.5	856.2	784.9	741.1
137.5°	1054.7	1068.2	1122.0	1175.8	1122.0	1068.2	1054.7	964.5	844.1	783.9	745.7
140°	1014.1	1026.7	1077.0	1127.4	1077.0	1026.7	1014.1	936.2	832.1	780.2	746.4
142.5°	985.7	996.5	1039.9	1083.1	1039.9	996.5	985.7	917.2	825.8	780.2	749.1
145°	943.0	951.2	984.0	1016.8	984.0	951.2	943.0	887.0	812.3	775.0	749.1
147.5°	907.2	914.0	941.1	968.3	941.1	914.0	907.2	863.2	804.4	775.0	754.3
150°	886.6	892.1	914.1	936.2	914.1	892.1	886.6	849.4	799.8	775.0	756.9
152.5°	870.3	874.5	891.1	907.7	891.1	874.5	870.3	838.5	796.2	775.0	758.7
155°	850.8	853.5	864.6	875.6	864.6	853.5	850.8	825.5	791.8	775.0	762.5
157.5°	833.9	835.9	843.6	851.3	843.6	835.9	833.9	814.3	788.1	775.0	766.5
160°	825.5	826.6	831.1	835.6	831.1	826.6	825.5	808.6	786.2	775.0	768.2
162.5°	817.6	818.6	822.9	827.1	822.9	818.6	817.6	803.4	784.4	775.0	770.0
165°	805.5	806.6	811.1	815.5	811.1	806.6	805.5	795.3	781.8	775.0	772.8
167.5°	800.2	800.7	802.6	804.5	802.6	800.7	800.2	793.6	784.6	780.2	778.3
170°	800.2	800.2	800.2	800.2	800.2	800.2	800.2	793.6	784.6	780.2	780.1
172.5°	796.0	795.6	794.0	792.4	794.0	795.6	796.0	790.7	783.7	780.2	780.2
175°	790.2	790.2	790.2	790.2	790.2	790.2	790.2	786.9	782.4	780.2	781.2
177.5°	789.2	788.7	786.8	784.9	786.8	788.7	789.2	786.6	783.1	781.3	782.1
180°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9



TEST NUMBER: P934269

CATALOG NUMBER: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1789.6	1798.1	1803.3	1810.2	1827.3
5°	1721.0	1753.6	1763.9	1789.6	1820.5
7.5°	1570.2	1669.6	1697.0	1758.8	1806.8
10°	1424.5	1523.9	1571.9	1717.6	1789.6
12.5°	1350.8	1409.0	1441.7	1645.6	1765.6
15°	1304.5	1345.6	1369.7	1549.6	1738.2
17.5°	1268.5	1297.7	1314.8	1455.4	1700.5
20°	1246.2	1259.9	1275.4	1386.8	1657.7
22.5°	1230.8	1222.2	1234.2	1338.7	1599.4
25°	1220.5	1187.9	1201.7	1301.1	1530.8
27.5°	1229.1	1157.1	1162.2	1266.8	1458.8
30°	1230.8	1119.4	1121.1	1230.8	1378.2
32.5°	1218.8	1079.9	1081.6	1186.2	1287.4
35°	1189.6	1033.6	1031.9	1134.8	1163.9
37.5°	1150.2	984.0	984.0	1078.2	1028.5
40°	1102.2	934.2	939.4	1004.5	908.5
42.5°	1044.0	881.1	888.0	906.8	819.4
45°	980.5	829.7	834.8	766.2	750.8
47.5°	910.2	776.5	778.2	635.9	728.5
50°	826.3	721.6	714.8	545.1	726.8
52.5°	752.5	661.7	641.1	493.6	660.0
55°	680.5	598.3	553.7	454.3	612.0
57.5°	617.1	516.0	473.1	407.9	601.7
60°	558.8	435.4	402.8	358.3	552.0
62.5°	510.9	375.4	368.6	324.0	500.6
65°	459.4	334.2	332.5	294.9	425.1
67.5°	409.7	306.8	305.1	267.4	324.0
70°	356.6	277.7	274.3	238.3	240.0
72.5°	301.7	245.1	241.7	214.3	198.9
75°	246.8	207.4	205.7	186.8	161.1
77.5°	193.7	164.5	168.0	150.9	118.3
80°	138.9	120.0	123.5	108.0	89.1
82.5°	92.5	78.9	82.3	68.6	60.0
85°	51.5	44.6	46.3	36.0	27.4
87.5°	24.0	20.5	20.5	13.7	8.6
90°	23.2	14.7	13.7	9.5	5.3
92.5°	142.9	101.6	92.7	56.8	21.0
95°	351.7	198.1	181.7	116.1	50.6
97.5°	473.8	217.6	203.1	145.3	87.4
100°	518.2	233.9	220.8	168.4	115.9
102.5°	538.5	250.2	238.0	189.1	140.2
105°	553.6	274.4	264.0	222.6	181.2
107.5°	556.5	310.3	300.7	262.0	223.4
110°	552.3	330.3	321.6	286.7	251.9



TEST NUMBER: P934269

CATALOG NUMBER: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	552.4	354.5	346.2	312.9	279.7
115°	557.5	390.9	383.2	352.6	321.9
117.5°	567.9	426.2	419.2	391.3	363.5
120°	576.3	446.7	440.1	414.0	387.7
122.5°	588.5	471.0	464.3	437.9	411.4
125°	604.8	502.1	496.0	471.9	447.8
127.5°	621.1	532.1	526.0	501.7	477.3
130°	633.0	552.1	545.5	519.4	493.1
132.5°	642.7	568.5	561.9	535.7	509.4
135°	653.2	587.4	581.4	557.5	533.7
137.5°	669.1	611.7	605.8	582.1	558.4
140°	678.7	627.9	622.5	600.7	578.9
142.5°	686.8	640.1	635.1	614.9	594.8
145°	697.4	658.5	654.1	636.5	619.0
147.5°	712.8	681.7	677.4	660.3	643.3
150°	720.9	693.8	689.9	674.4	659.0
152.5°	726.2	701.7	698.8	687.1	675.4
155°	737.7	719.1	717.0	708.3	699.6
157.5°	749.3	736.5	734.3	726.0	717.6
160°	754.6	744.4	742.8	736.2	729.7
162.5°	760.2	752.8	751.6	746.7	741.8
165°	768.2	764.9	763.8	759.4	755.0
167.5°	774.6	771.7	771.2	769.1	767.1
170°	779.8	779.7	779.2	777.0	775.0
172.5°	780.2	780.2	780.1	779.6	779.2
175°	783.3	784.9	784.9	784.9	784.9
177.5°	783.8	784.9	784.9	784.9	784.9
180°	784.9	784.9	784.9	784.9	784.9



TEST NUMBER: P934269
 CATALOG NUMBER: SQ4-FA-050U-050D-935-1D-UNV-STD-W-12

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	10.61	11.46	11.59	12.45	13.75	13.47	14.31	14.44	15.30	16.60
	3H	11.09	11.85	12.07	12.84	14.16	14.82	15.57	15.80	16.57	17.89
	4H	11.28	12.00	12.28	13.00	14.33	15.26	15.98	16.26	16.98	18.31
	6H	11.40	12.06	12.41	13.06	14.40	15.55	16.21	16.56	17.22	18.56
	8H	11.40	12.03	12.41	13.05	14.39	15.63	16.26	16.65	17.28	18.62
	12H	11.37	11.97	12.39	12.98	14.34	15.67	16.27	16.69	17.28	18.65
4H	2H	11.65	12.36	12.65	13.37	14.69	13.87	14.59	14.88	15.59	16.92
	3H	12.68	13.27	13.69	14.30	15.64	15.38	15.98	16.40	17.01	18.35
	4H	12.95	13.50	13.97	14.52	15.88	15.91	16.46	16.94	17.48	18.85
	6H	13.07	13.54	14.11	14.59	15.95	16.28	16.75	17.32	17.80	19.16
	8H	13.08	13.52	14.11	14.56	15.93	16.39	16.83	17.43	17.87	19.25
	12H	13.05	13.44	14.10	14.49	15.88	16.45	16.85	17.50	17.90	19.28
8H	4H	13.41	13.84	14.44	14.88	16.26	16.04	16.47	17.07	17.51	18.89
	6H	13.67	14.03	14.72	15.11	16.48	16.48	16.84	17.54	17.92	19.29
	8H	13.71	14.03	14.77	15.09	16.49	16.63	16.95	17.70	18.02	19.41
	12H	13.69	13.97	14.76	15.03	16.47	16.73	17.01	17.80	18.07	19.51
12H	4H	13.41	13.81	14.46	14.86	16.24	16.00	16.40	17.05	17.45	18.83
	6H	13.73	14.05	14.79	15.11	16.51	16.47	16.79	17.54	17.86	19.25
	8H	13.79	14.07	14.86	15.13	16.57	16.64	16.92	17.71	17.98	19.41