

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: P936174

Luminaire Tested: SQ4-FA-150U-125D-940-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936174
REPORT IS A COMBINATION OF REPORTS P933782 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-940-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

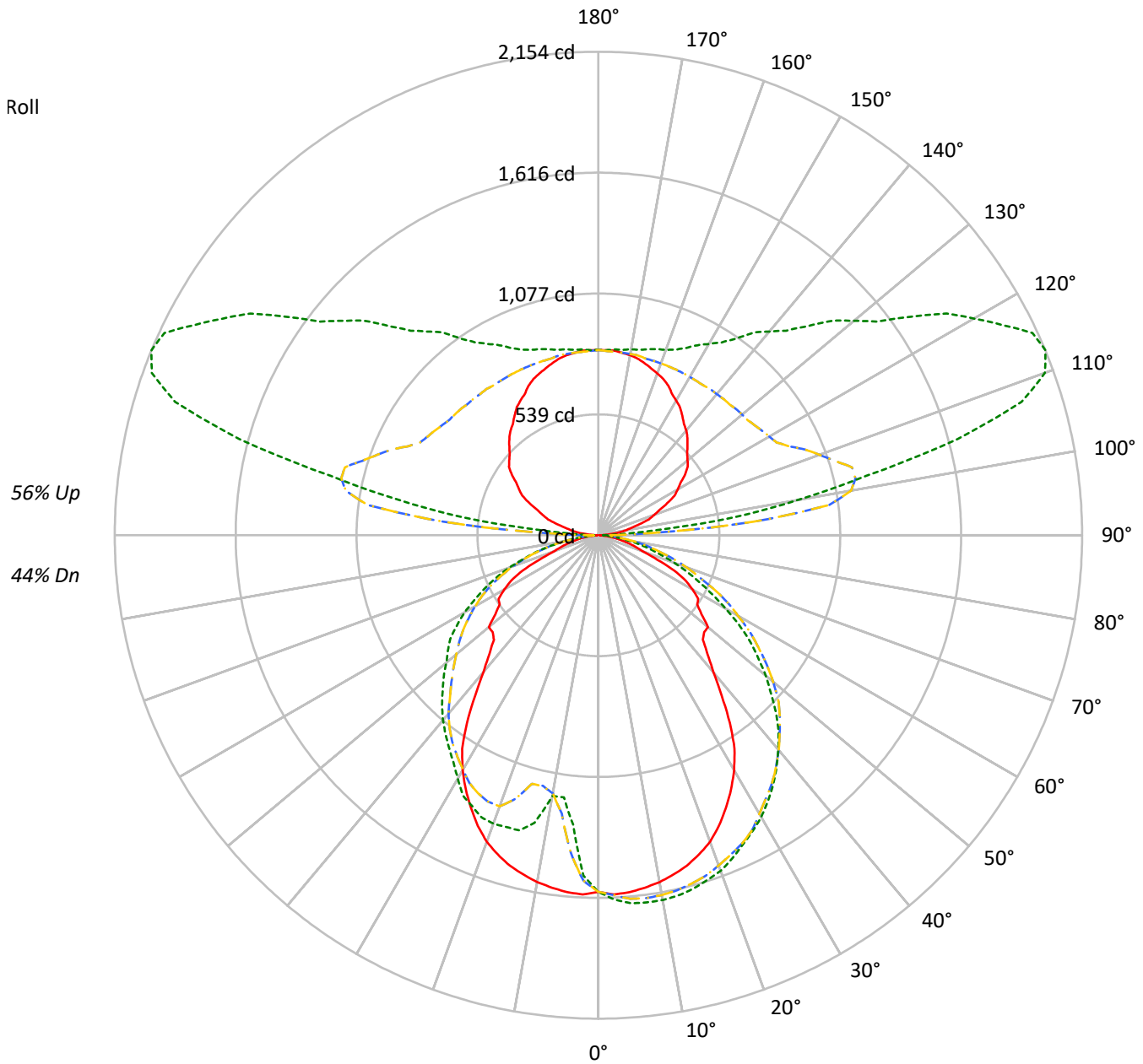
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9471.4 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 83.2
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: P936174
CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-4

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				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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44	44	44	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37	37	37	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31	31	31	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26	26	26	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22	22	22	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19	19	19	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17	17	17	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15	15	15	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13	13	13	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12	12	12	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11	11	11	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14740	14740	14740	14740
5°	14833	14879	14833	11699
10°	14718	14657	14718	10478
15°	14541	14339	14541	11973
20°	14221	13963	14221	11998
25°	13581	13414	13581	11744
30°	12761	12959	12761	11186
35°	11360	12382	11360	10573
40°	9449	11704	9449	10109
45°	8427	10910	8427	9576
50°	8931	9963	8931	9040
55°	8380	8943	8380	8731
60°	8608	7595	8608	7997
65°	7767	6280	7767	7019
70°	5341	5004	5341	5882
75°	4634	3698	4634	4430
80°	3655	2444	3655	2661
85°	1996	1295	1996	1101

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12940 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.4	1.5
10°-20°	407.1	4.3
20°-30°	629.3	6.6
30°-40°	751.3	7.9
40°-50°	755.7	8.0
50°-60°	657.5	6.9
60°-70°	466.2	4.9
70°-80°	246.6	2.6
80°-90°	64.6	0.7
90°-100°	402.3	4.2
100°-110°	1057.6	11.2
110°-120°	1096.6	11.6
120°-130°	879.6	9.3
130°-140°	690.2	7.3
140°-150°	529.7	5.6
150°-160°	381.5	4.0
160°-170°	233.4	2.5
170°-180°	78.9	0.8
0°-30°	1179.8	12.5
0°-40°	1931.1	20.4
0°-60°	3344.3	35.3
0°-90°	4121.7	43.5
90°-120°	2556.5	27.0
90°-150°	4656.0	49.2
90°-180°	5350.0	56.5
0°-180°	9471.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1588	1588	1588	1588	1588	
5°	1596	1646	1596	1294	1596	151
15°	1524	1630	1524	1362	1524	429
25°	1342	1521	1342	1332	1342	616
35°	1020	1357	1020	1159	1020	631
45°	658	1118	658	981	658	527
55°	536	825	536	806	536	493
65°	373	498	373	556	373	356
75°	141	236	141	283	141	149
85°	24	60	24	51	24	32
90°	6	21	6	21	6	6
95°	53	243	53	243	53	59
105°	191	1656	191	1656	191	202
115°	338	2132	338	2132	338	334
125°	471	1698	471	1698	471	418
135°	561	1318	561	1318	561	434
145°	651	1069	651	1069	651	408
155°	736	920	736	920	736	338
165°	794	857	794	857	794	224
175°	825	831	825	831	825	78
180°	825	825	825	825	825	



TEST NUMBER: P936174

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5
2.5°	1602.0	1602.0	1611.0	1614.0	1614.0	1609.5	1605.0	1609.5	1623.0	1627.5	1626.0
5°	1595.9	1608.0	1624.5	1627.5	1630.5	1629.0	1626.0	1629.0	1644.0	1647.1	1648.6
7.5°	1583.9	1606.5	1627.5	1632.1	1636.5	1632.1	1630.5	1633.6	1648.6	1651.6	1651.6
10°	1568.9	1600.4	1624.5	1627.5	1632.1	1627.5	1627.5	1633.6	1648.6	1651.6	1653.1
12.5°	1547.9	1591.5	1614.0	1617.0	1623.0	1621.5	1620.0	1626.0	1641.0	1644.0	1644.0
15°	1523.8	1575.0	1595.9	1598.9	1609.5	1606.5	1606.5	1612.5	1629.0	1633.6	1632.1
17.5°	1490.8	1553.9	1577.9	1582.4	1590.0	1588.5	1590.0	1595.9	1611.0	1614.0	1615.4
20°	1453.2	1525.3	1553.9	1558.4	1565.9	1565.9	1565.9	1573.4	1588.5	1594.5	1594.5
22.5°	1402.1	1495.3	1525.3	1528.3	1537.3	1537.3	1540.3	1550.9	1564.4	1565.9	1565.9
25°	1341.9	1462.2	1487.8	1496.8	1505.8	1510.3	1514.8	1520.8	1525.3	1523.8	1525.3
27.5°	1278.9	1420.1	1453.2	1459.2	1471.2	1475.8	1481.7	1483.2	1484.7	1489.3	1486.2
30°	1208.2	1361.5	1411.1	1417.2	1436.7	1439.6	1433.7	1436.7	1444.2	1447.2	1450.2
32.5°	1128.6	1274.4	1367.5	1381.0	1399.1	1390.1	1388.6	1393.1	1405.1	1405.1	1408.1
35°	1020.4	1206.7	1326.9	1339.0	1352.5	1341.9	1348.0	1349.5	1357.0	1361.5	1360.1
37.5°	901.7	1148.1	1284.8	1293.9	1304.4	1290.9	1299.9	1304.4	1310.4	1307.4	1307.4
40°	796.4	1056.5	1235.3	1241.3	1250.3	1239.8	1248.8	1251.8	1254.8	1251.8	1250.3
42.5°	718.3	955.8	1182.7	1190.2	1184.1	1191.7	1194.7	1200.8	1196.2	1190.2	1190.2
45°	658.2	928.8	1125.5	1134.6	1125.5	1137.6	1142.1	1142.1	1128.6	1125.5	1124.1
47.5°	638.6	874.6	1068.4	1068.4	1064.0	1079.0	1086.5	1076.0	1062.5	1058.0	1058.0
50°	637.1	814.5	990.3	984.3	1005.4	1023.4	1015.9	1005.4	994.8	978.3	978.3
52.5°	578.5	740.9	889.7	912.2	945.3	955.8	943.8	933.2	915.2	907.7	901.7
55°	536.5	664.2	798.0	843.1	877.6	891.1	868.6	858.1	831.1	826.6	823.5
57.5°	527.5	553.0	713.9	771.0	813.0	811.5	798.0	778.4	755.9	751.4	749.9
60°	483.9	399.8	623.6	691.3	734.8	730.4	718.3	700.3	679.2	676.2	673.3
62.5°	438.8	290.0	521.4	598.1	659.7	658.2	647.7	620.6	605.6	598.1	592.1
65°	372.7	243.5	371.2	497.5	586.1	589.1	566.5	547.0	530.5	521.4	519.9
67.5°	284.0	198.4	250.9	414.8	515.5	512.5	483.9	474.9	453.9	449.3	440.4
70°	210.4	132.2	174.3	336.6	446.3	438.8	416.3	405.7	386.2	375.7	369.7
72.5°	174.3	106.7	127.7	261.5	375.7	366.7	347.1	335.1	318.6	309.6	303.5
75°	141.3	112.7	97.7	193.9	305.0	299.1	281.1	269.0	255.5	243.5	244.9
77.5°	103.7	105.2	78.1	142.8	242.0	232.9	222.4	207.3	201.4	189.3	189.3
80°	78.1	82.7	58.6	97.7	174.3	174.3	165.3	154.8	144.3	138.3	138.3
82.5°	52.6	52.6	43.6	61.6	118.7	114.2	108.2	105.2	99.2	96.2	96.2
85°	24.1	30.0	27.1	37.6	64.6	67.7	67.7	64.6	63.1	60.1	61.6
87.5°	7.5	13.5	16.5	21.0	33.0	34.5	36.1	36.1	36.1	37.6	37.6
90°	5.5	9.9	14.4	15.5	24.4	36.2	42.1	37.4	28.1	21.0	21.0
92.5°	22.1	59.8	97.5	106.9	150.2	208.1	237.0	207.7	149.2	105.2	101.1
95°	53.2	122.1	191.0	208.2	369.8	585.2	692.9	618.3	469.1	357.2	344.5
97.5°	91.9	152.7	213.6	228.7	498.1	857.3	1036.8	989.7	895.4	824.7	800.5
100°	121.8	177.0	232.1	245.9	544.8	943.3	1142.6	1146.1	1153.0	1158.1	1129.4
102.5°	147.3	198.8	250.2	263.1	566.3	970.4	1172.5	1232.5	1352.7	1442.8	1418.2
105°	190.6	234.2	277.7	288.6	582.1	973.4	1169.1	1303.8	1573.1	1775.1	1761.9
107.5°	234.9	275.5	316.1	326.3	585.1	930.2	1102.7	1290.5	1666.2	1947.9	1951.1
110°	264.7	301.4	338.2	347.3	580.7	891.7	1047.3	1257.3	1677.3	1992.2	2006.0



TEST NUMBER: P936174

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	294.1	329.1	364.1	372.8	580.8	858.3	997.0	1211.9	1641.6	1964.0	1985.1
115°	338.4	370.7	402.9	411.0	586.2	819.8	936.6	1143.6	1557.6	1868.2	1897.6
117.5°	382.2	411.5	440.8	448.1	597.1	795.7	895.0	1081.9	1455.5	1735.8	1768.4
120°	407.6	435.2	462.7	469.7	605.9	787.6	878.4	1049.1	1390.5	1646.6	1678.2
122.5°	432.5	460.3	488.2	495.1	618.7	783.4	865.7	1019.4	1326.8	1557.5	1588.6
125°	470.8	496.1	521.5	527.8	635.8	779.8	851.9	982.4	1243.6	1439.4	1468.2
127.5°	501.8	527.4	553.0	559.4	652.9	777.8	840.2	952.4	1176.6	1344.8	1369.0
130°	518.4	545.9	573.5	580.4	665.6	779.0	835.8	935.6	1135.2	1284.9	1307.3
132.5°	535.6	563.2	590.7	597.6	675.7	779.8	831.9	921.2	1100.0	1234.0	1254.0
135°	561.0	586.2	611.2	617.5	686.8	779.0	825.2	900.1	1049.7	1161.9	1179.3
137.5°	587.1	611.9	636.8	643.0	703.4	783.9	824.2	887.4	1013.9	1108.8	1123.0
140°	608.7	631.6	654.5	660.2	713.6	784.7	820.2	874.9	984.2	1066.1	1079.4
142.5°	625.3	646.5	667.6	672.9	722.0	787.5	820.2	868.3	964.3	1036.3	1047.7
145°	650.8	669.3	687.7	692.3	733.1	787.6	814.7	854.0	932.5	991.4	1000.0
147.5°	676.2	694.2	712.2	716.7	749.4	793.0	814.7	845.6	907.4	953.7	960.8
150°	692.9	709.2	725.3	729.4	757.8	795.7	814.7	840.8	893.0	932.1	937.9
152.5°	710.0	722.4	734.6	737.8	763.4	797.6	814.7	837.0	881.6	915.0	919.3
155°	735.5	744.7	753.7	756.0	775.6	801.7	814.7	832.5	867.9	894.5	897.4
157.5°	754.4	763.2	772.0	774.2	787.7	805.8	814.7	828.5	856.0	876.7	878.8
160°	767.1	774.0	780.9	782.6	793.3	807.6	814.7	826.6	850.2	867.8	869.0
162.5°	779.8	785.0	790.1	791.5	799.2	809.6	814.7	824.7	844.7	859.6	860.6
165°	793.7	798.3	803.0	804.2	807.7	812.4	814.7	821.8	836.1	846.8	848.0
167.5°	806.4	808.6	810.8	811.4	814.3	818.3	820.2	825.0	834.3	841.3	841.8
170°	814.7	817.0	819.2	819.7	819.9	820.2	820.2	825.0	834.3	841.3	841.3
172.5°	819.2	819.6	820.2	820.2	820.2	820.2	820.2	824.0	831.3	836.9	836.4
175°	825.2	825.2	825.2	825.2	823.5	821.3	820.2	822.6	827.3	830.8	830.8
177.5°	825.2	825.2	825.2	825.2	824.0	822.3	821.4	823.3	826.9	829.7	829.1
180°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5
2.5°	1629.0	1624.5	1629.0	1626.0	1627.5	1623.0	1609.5	1605.0	1609.5	1614.0	1614.0
5°	1648.6	1645.6	1648.6	1648.6	1647.1	1644.0	1629.0	1626.0	1629.0	1630.5	1627.5
7.5°	1654.5	1650.1	1654.5	1651.6	1651.6	1648.6	1633.6	1630.5	1632.1	1636.5	1632.1
10°	1654.5	1650.1	1654.5	1653.1	1651.6	1648.6	1633.6	1627.5	1627.5	1632.1	1627.5
12.5°	1647.1	1644.0	1647.1	1644.0	1644.0	1641.0	1626.0	1620.0	1621.5	1623.0	1617.0
15°	1635.0	1630.5	1635.0	1632.1	1633.6	1629.0	1612.5	1606.5	1606.5	1609.5	1598.9
17.5°	1617.0	1611.0	1617.0	1615.4	1614.0	1611.0	1595.9	1590.0	1588.5	1590.0	1582.4
20°	1595.9	1591.5	1595.9	1594.5	1594.5	1588.5	1573.4	1565.9	1565.9	1565.9	1558.4
22.5°	1562.9	1558.4	1562.9	1565.9	1565.9	1564.4	1550.9	1540.3	1537.3	1537.3	1528.3
25°	1525.3	1520.8	1525.3	1525.3	1523.8	1525.3	1520.8	1514.8	1510.3	1505.8	1496.8
27.5°	1489.3	1486.2	1489.3	1486.2	1489.3	1484.7	1483.2	1481.7	1475.8	1471.2	1459.2
30°	1453.2	1450.2	1453.2	1450.2	1447.2	1444.2	1436.7	1433.7	1439.6	1436.7	1417.2
32.5°	1408.1	1405.1	1408.1	1408.1	1405.1	1405.1	1393.1	1388.6	1390.1	1399.1	1381.0
35°	1361.5	1357.0	1361.5	1360.1	1361.5	1357.0	1349.5	1348.0	1341.9	1352.5	1339.0
37.5°	1307.4	1302.9	1307.4	1307.4	1307.4	1310.4	1304.4	1299.9	1290.9	1304.4	1293.9
40°	1251.8	1245.8	1251.8	1250.3	1251.8	1254.8	1251.8	1248.8	1239.8	1250.3	1241.3
42.5°	1188.7	1187.2	1188.7	1190.2	1190.2	1196.2	1200.8	1194.7	1191.7	1184.1	1190.2
45°	1121.1	1118.1	1121.1	1124.1	1125.5	1128.6	1142.1	1142.1	1137.6	1125.5	1134.6
47.5°	1048.9	1041.4	1048.9	1058.0	1058.0	1062.5	1076.0	1086.5	1079.0	1064.0	1068.4
50°	972.3	973.8	972.3	978.3	978.3	994.8	1005.4	1015.9	1023.4	1005.4	984.3
52.5°	897.1	895.6	897.1	901.7	907.7	915.2	933.2	943.8	955.8	945.3	912.2
55°	822.0	825.0	822.0	823.5	826.6	831.1	858.1	868.6	891.1	877.6	843.1
57.5°	746.9	742.4	746.9	749.9	751.4	755.9	778.4	798.0	811.5	813.0	771.0
60°	659.7	653.7	659.7	673.3	676.2	679.2	700.3	718.3	730.4	734.8	691.3
62.5°	583.1	572.6	583.1	592.1	598.1	605.6	620.6	647.7	658.2	659.7	598.1
65°	501.9	497.5	501.9	519.9	521.4	530.5	547.0	566.5	589.1	586.1	497.5
67.5°	428.3	428.3	428.3	440.4	449.3	453.9	474.9	483.9	512.5	515.5	414.8
70°	360.7	359.2	360.7	369.7	375.7	386.2	405.7	416.3	438.8	446.3	336.6
72.5°	296.1	294.5	296.1	303.5	309.6	318.6	335.1	347.1	366.7	375.7	261.5
75°	239.0	235.9	239.0	244.9	243.5	255.5	269.0	281.1	299.1	305.0	193.9
77.5°	183.4	183.4	183.4	189.3	189.3	201.4	207.3	222.4	232.9	242.0	142.8
80°	136.8	135.2	136.8	138.3	138.3	144.3	154.8	165.3	174.3	174.3	97.7
82.5°	96.2	93.2	96.2	96.2	96.2	99.2	105.2	108.2	114.2	118.7	61.6
85°	60.1	60.1	60.1	61.6	60.1	63.1	64.6	67.7	67.7	64.6	37.6
87.5°	39.1	37.6	39.1	37.6	37.6	36.1	36.1	36.1	34.5	33.0	21.0
90°	21.0	21.0	21.0	21.0	21.0	28.1	37.4	42.1	36.2	24.4	15.5
92.5°	84.3	67.6	84.3	101.1	105.2	149.2	207.7	237.0	208.1	150.2	106.9
95°	293.8	243.1	293.8	344.5	357.2	469.1	618.3	692.9	585.2	369.8	208.2
97.5°	704.1	607.6	704.1	800.5	824.7	895.4	989.7	1036.8	857.3	498.1	228.7
100°	1014.5	899.5	1014.5	1129.4	1158.1	1153.0	1146.1	1142.6	943.3	544.8	245.9
102.5°	1319.7	1221.3	1319.7	1418.2	1442.8	1352.7	1232.5	1172.5	970.4	566.3	263.1
105°	1709.0	1656.0	1709.0	1761.9	1775.1	1573.1	1303.8	1169.1	973.4	582.1	288.6
107.5°	1963.9	1976.7	1963.9	1951.1	1947.9	1666.2	1290.5	1102.7	930.2	585.1	326.3
110°	2061.1	2116.3	2061.1	2006.0	1992.2	1677.3	1257.3	1047.3	891.7	580.7	347.3



TEST NUMBER: P936174

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2069.8	2154.5	2069.8	1985.1	1964.0	1641.6	1211.9	997.0	858.3	580.8	372.8
115°	2015.0	2132.4	2015.0	1897.6	1868.2	1557.6	1143.6	936.6	819.8	586.2	411.0
117.5°	1898.5	2028.7	1898.5	1768.4	1735.8	1455.5	1081.9	895.0	795.7	597.1	448.1
120°	1804.8	1931.3	1804.8	1678.2	1646.6	1390.5	1049.1	878.4	787.6	605.9	469.7
122.5°	1713.5	1838.2	1713.5	1588.6	1557.5	1326.8	1019.4	865.7	783.4	618.7	495.1
125°	1583.1	1698.1	1583.1	1468.2	1439.4	1243.6	982.4	851.9	779.8	635.8	527.8
127.5°	1466.0	1563.0	1466.0	1369.0	1344.8	1176.6	952.4	840.2	777.8	652.9	559.4
130°	1396.9	1486.5	1396.9	1307.3	1284.9	1135.2	935.6	835.8	779.0	665.6	580.4
132.5°	1334.2	1414.5	1334.2	1254.0	1234.0	1100.0	921.2	831.9	779.8	675.7	597.6
135°	1248.4	1317.6	1248.4	1179.3	1161.9	1049.7	900.1	825.2	779.0	686.8	617.5
137.5°	1179.6	1236.2	1179.6	1123.0	1108.8	1013.9	887.4	824.2	783.9	703.4	643.0
140°	1132.3	1185.2	1132.3	1079.4	1066.1	984.2	874.9	820.2	784.7	713.6	660.2
142.5°	1093.2	1138.7	1093.2	1047.7	1036.3	964.3	868.3	820.2	787.5	722.0	672.9
145°	1034.5	1069.0	1034.5	1000.0	991.4	932.5	854.0	814.7	787.6	733.1	692.3
147.5°	989.4	1018.0	989.4	960.8	953.7	907.4	845.6	814.7	793.0	749.4	716.7
150°	961.1	984.2	961.1	937.9	932.1	893.0	840.8	814.7	795.7	757.8	729.4
152.5°	936.8	954.2	936.8	919.3	915.0	881.6	837.0	814.7	797.6	763.4	737.8
155°	909.0	920.5	909.0	897.4	894.5	867.9	832.5	814.7	801.7	775.6	756.0
157.5°	886.8	895.0	886.8	878.8	876.7	856.0	828.5	814.7	805.8	787.7	774.2
160°	873.7	878.4	873.7	869.0	867.8	850.2	826.6	814.7	807.6	793.3	782.6
162.5°	865.1	869.5	865.1	860.6	859.6	844.7	824.7	814.7	809.6	799.2	791.5
165°	852.7	857.4	852.7	848.0	846.8	836.1	821.8	814.7	812.4	807.7	804.2
167.5°	843.8	845.7	843.8	841.8	841.3	834.3	825.0	820.2	818.3	814.3	811.4
170°	841.3	841.3	841.3	841.3	841.3	834.3	825.0	820.2	820.2	819.9	819.7
172.5°	834.7	833.0	834.7	836.4	836.9	831.3	824.0	820.2	820.2	820.2	820.2
175°	830.8	830.8	830.8	830.8	830.8	827.3	822.6	820.2	821.3	823.5	825.2
177.5°	827.2	825.2	827.2	829.1	829.7	826.9	823.3	821.4	822.3	824.0	825.2
180°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2



TEST NUMBER: P936174

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5
2.5°	1611.0	1602.0	1602.0	1586.9	1580.9	1576.4	1568.9	1546.4	1540.3	1534.4	1543.3
5°	1624.5	1608.0	1595.9	1568.9	1546.4	1537.3	1508.8	1454.7	1418.7	1391.6	1376.6
7.5°	1627.5	1606.5	1583.9	1541.8	1487.8	1463.7	1376.6	1277.4	1250.3	1226.2	1211.2
10°	1624.5	1600.4	1568.9	1505.8	1378.1	1336.0	1248.8	1184.1	1167.6	1163.2	1167.6
12.5°	1614.0	1591.5	1547.9	1442.6	1263.8	1235.3	1184.1	1146.6	1143.7	1151.1	1191.7
15°	1595.9	1575.0	1523.8	1358.6	1200.8	1179.7	1143.7	1130.1	1146.6	1199.2	1321.0
17.5°	1577.9	1553.9	1490.8	1275.9	1152.6	1137.6	1112.0	1139.1	1232.3	1302.9	1343.5
20°	1553.9	1525.3	1453.2	1215.8	1118.1	1104.6	1092.5	1214.3	1284.8	1310.4	1333.0
22.5°	1525.3	1495.3	1402.1	1173.7	1082.0	1071.5	1079.0	1256.3	1284.8	1302.9	1322.4
25°	1487.8	1462.2	1341.9	1140.6	1053.4	1041.4	1070.0	1251.8	1268.3	1272.9	1311.9
27.5°	1453.2	1420.1	1278.9	1110.5	1018.9	1014.4	1077.5	1232.3	1244.3	1248.8	1290.9
30°	1411.1	1361.5	1208.2	1079.0	982.8	981.3	1079.0	1208.2	1205.2	1217.3	1259.4
32.5°	1367.5	1274.4	1128.6	1039.9	948.3	946.8	1068.4	1172.2	1169.1	1185.7	1217.3
35°	1326.9	1206.7	1020.4	994.8	904.7	906.2	1043.0	1130.1	1131.6	1146.6	1166.1
37.5°	1284.8	1148.1	901.7	945.3	862.6	862.6	1008.3	1091.0	1088.0	1092.5	1119.6
40°	1235.3	1056.5	796.4	880.6	823.5	819.0	966.3	1048.9	1038.4	1036.9	1074.5
42.5°	1182.7	955.8	718.3	794.9	778.4	772.5	915.2	997.8	978.3	982.8	1030.9
45°	1125.5	928.8	658.2	671.8	731.9	727.4	859.6	939.2	925.7	937.7	987.4
47.5°	1068.4	874.6	638.6	557.6	682.3	680.7	798.0	882.1	874.6	886.7	939.2
50°	990.3	814.5	637.1	477.9	626.7	632.7	724.3	826.6	826.6	837.0	892.6
52.5°	889.7	740.9	578.5	432.8	562.0	580.0	659.7	778.4	781.4	792.0	841.6
55°	798.0	664.2	536.5	398.3	485.4	524.5	596.6	728.9	734.8	745.4	790.5
57.5°	713.9	553.0	527.5	357.7	414.8	452.3	541.0	680.7	683.8	692.8	736.3
60°	623.6	399.8	483.9	314.1	353.2	381.7	489.9	623.6	634.2	640.2	677.7
62.5°	521.4	290.0	438.8	284.0	323.1	329.1	447.8	569.6	583.1	587.6	610.1
65°	371.2	243.5	372.7	258.5	291.5	293.0	402.7	514.0	526.0	533.5	550.0
67.5°	250.9	198.4	284.0	234.4	267.5	269.0	359.2	449.3	465.8	471.9	482.4
70°	174.3	132.2	210.4	208.9	240.5	243.5	312.6	390.7	405.7	410.3	416.3
72.5°	127.7	106.7	174.3	187.8	211.9	214.9	264.4	324.6	339.7	344.1	347.1
75°	97.7	112.7	141.3	163.8	180.4	181.9	216.4	264.4	275.0	278.0	279.5
77.5°	78.1	105.2	103.7	132.2	147.2	144.3	169.8	204.4	213.4	213.4	213.4
80°	58.6	82.7	78.1	94.7	108.2	105.2	121.7	145.8	148.7	151.8	150.2
82.5°	43.6	52.6	52.6	60.1	72.1	69.1	81.2	94.7	94.7	94.7	97.7
85°	27.1	30.0	24.1	31.5	40.6	39.1	45.1	51.1	52.6	52.6	49.6
87.5°	16.5	13.5	7.5	12.0	18.0	18.0	21.0	22.6	21.0	21.0	21.0
90°	14.4	9.9	5.5	9.9	14.4	15.5	24.4	36.2	42.1	37.4	28.1
92.5°	97.5	59.8	22.1	59.8	97.5	106.9	150.2	208.1	237.0	207.7	149.2
95°	191.0	122.1	53.2	122.1	191.0	208.2	369.8	585.2	692.9	618.3	469.1
97.5°	213.6	152.7	91.9	152.7	213.6	228.7	498.1	857.3	1036.8	989.7	895.4
100°	232.1	177.0	121.8	177.0	232.1	245.9	544.8	943.3	1142.6	1146.1	1153.0
102.5°	250.2	198.8	147.3	198.8	250.2	263.1	566.3	970.4	1172.5	1232.5	1352.7
105°	277.7	234.2	190.6	234.2	277.7	288.6	582.1	973.4	1169.1	1303.8	1573.1
107.5°	316.1	275.5	234.9	275.5	316.1	326.3	585.1	930.2	1102.7	1290.5	1666.2
110°	338.2	301.4	264.7	301.4	338.2	347.3	580.7	891.7	1047.3	1257.3	1677.3



TEST NUMBER: P936174

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	364.1	329.1	294.1	329.1	364.1	372.8	580.8	858.3	997.0	1211.9	1641.6
115°	402.9	370.7	338.4	370.7	402.9	411.0	586.2	819.8	936.6	1143.6	1557.6
117.5°	440.8	411.5	382.2	411.5	440.8	448.1	597.1	795.7	895.0	1081.9	1455.5
120°	462.7	435.2	407.6	435.2	462.7	469.7	605.9	787.6	878.4	1049.1	1390.5
122.5°	488.2	460.3	432.5	460.3	488.2	495.1	618.7	783.4	865.7	1019.4	1326.8
125°	521.5	496.1	470.8	496.1	521.5	527.8	635.8	779.8	851.9	982.4	1243.6
127.5°	553.0	527.4	501.8	527.4	553.0	559.4	652.9	777.8	840.2	952.4	1176.6
130°	573.5	545.9	518.4	545.9	573.5	580.4	665.6	779.0	835.8	935.6	1135.2
132.5°	590.7	563.2	535.6	563.2	590.7	597.6	675.7	779.8	831.9	921.2	1100.0
135°	611.2	586.2	561.0	586.2	611.2	617.5	686.8	779.0	825.2	900.1	1049.7
137.5°	636.8	611.9	587.1	611.9	636.8	643.0	703.4	783.9	824.2	887.4	1013.9
140°	654.5	631.6	608.7	631.6	654.5	660.2	713.6	784.7	820.2	874.9	984.2
142.5°	667.6	646.5	625.3	646.5	667.6	672.9	722.0	787.5	820.2	868.3	964.3
145°	687.7	669.3	650.8	669.3	687.7	692.3	733.1	787.6	814.7	854.0	932.5
147.5°	712.2	694.2	676.2	694.2	712.2	716.7	749.4	793.0	814.7	845.6	907.4
150°	725.3	709.2	692.9	709.2	725.3	729.4	757.8	795.7	814.7	840.8	893.0
152.5°	734.6	722.4	710.0	722.4	734.6	737.8	763.4	797.6	814.7	837.0	881.6
155°	753.7	744.7	735.5	744.7	753.7	756.0	775.6	801.7	814.7	832.5	867.9
157.5°	772.0	763.2	754.4	763.2	772.0	774.2	787.7	805.8	814.7	828.5	856.0
160°	780.9	774.0	767.1	774.0	780.9	782.6	793.3	807.6	814.7	826.6	850.2
162.5°	790.1	785.0	779.8	785.0	790.1	791.5	799.2	809.6	814.7	824.7	844.7
165°	803.0	798.3	793.7	798.3	803.0	804.2	807.7	812.4	814.7	821.8	836.1
167.5°	810.8	808.6	806.4	808.6	810.8	811.4	814.3	818.3	820.2	825.0	834.3
170°	819.2	817.0	814.7	817.0	819.2	819.7	819.9	820.2	820.2	825.0	834.3
172.5°	820.2	819.6	819.2	819.6	820.2	820.2	820.2	820.2	820.2	824.0	831.3
175°	825.2	825.2	825.2	825.2	825.2	825.2	823.5	821.3	820.2	822.6	827.3
177.5°	825.2	825.2	825.2	825.2	825.2	825.2	824.0	822.3	821.4	823.3	826.9
180°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2



TEST NUMBER: P936174
 CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5
2.5°	1532.9	1528.3	1534.4	1517.8	1534.4	1528.3	1532.9	1543.3	1534.4	1540.3	1546.4
5°	1345.0	1337.5	1313.4	1293.9	1313.4	1337.5	1345.0	1376.6	1391.6	1418.7	1454.7
7.5°	1202.3	1196.2	1190.2	1178.2	1190.2	1196.2	1202.3	1211.2	1226.2	1250.3	1277.4
10°	1170.7	1172.2	1181.2	1179.7	1181.2	1172.2	1170.7	1167.6	1163.2	1167.6	1184.1
12.5°	1251.8	1265.3	1315.0	1311.9	1315.0	1265.3	1251.8	1191.7	1151.1	1143.7	1146.6
15°	1345.0	1349.5	1360.1	1361.5	1360.1	1349.5	1345.0	1321.0	1199.2	1146.6	1130.1
17.5°	1354.0	1355.5	1363.0	1363.0	1363.0	1355.5	1354.0	1343.5	1302.9	1232.3	1139.1
20°	1346.5	1349.5	1364.5	1367.5	1364.5	1349.5	1346.5	1333.0	1310.4	1284.8	1214.3
22.5°	1343.5	1349.5	1361.5	1360.1	1361.5	1349.5	1343.5	1322.4	1302.9	1284.8	1256.3
25°	1328.4	1328.4	1330.0	1331.5	1330.0	1328.4	1328.4	1311.9	1272.9	1268.3	1251.8
27.5°	1296.9	1299.9	1308.9	1307.4	1308.9	1299.9	1296.9	1290.9	1248.8	1244.3	1232.3
30°	1268.3	1265.3	1257.9	1251.8	1257.9	1265.3	1268.3	1259.4	1217.3	1205.2	1208.2
32.5°	1220.3	1212.7	1205.2	1200.8	1205.2	1212.7	1220.3	1217.3	1185.7	1169.1	1172.2
35°	1163.2	1164.6	1163.2	1158.7	1163.2	1164.6	1163.2	1166.1	1146.6	1131.6	1130.1
37.5°	1122.6	1125.5	1124.1	1118.1	1124.1	1125.5	1122.6	1119.6	1092.5	1088.0	1091.0
40°	1080.5	1082.0	1080.5	1076.0	1080.5	1082.0	1080.5	1074.5	1036.9	1038.4	1048.9
42.5°	1039.9	1038.4	1033.9	1030.9	1033.9	1038.4	1039.9	1030.9	982.8	978.3	997.8
45°	993.3	994.8	985.9	981.3	985.9	994.8	993.3	987.4	937.7	925.7	939.2
47.5°	946.8	946.8	939.2	934.7	939.2	946.8	946.8	939.2	886.7	874.6	882.1
50°	897.1	895.6	885.2	883.6	885.2	895.6	897.1	892.6	837.0	826.6	826.6
52.5°	840.0	840.0	841.6	844.6	841.6	840.0	840.0	841.6	792.0	781.4	778.4
55°	790.5	792.0	802.5	805.5	802.5	792.0	790.5	790.5	745.4	734.8	728.9
57.5°	739.3	739.3	746.9	746.9	746.9	739.3	739.3	736.3	692.8	683.8	680.7
60°	680.7	683.8	689.8	688.3	689.8	683.8	680.7	677.7	640.2	634.2	623.6
62.5°	619.1	622.1	623.6	620.6	623.6	622.1	619.1	610.1	587.6	583.1	569.6
65°	554.6	557.6	559.0	556.1	559.0	557.6	554.6	550.0	533.5	526.0	514.0
67.5°	488.4	486.9	485.4	491.4	485.4	486.9	488.4	482.4	471.9	465.8	449.3
70°	420.7	420.7	419.3	422.2	419.3	420.7	420.7	416.3	410.3	405.7	390.7
72.5°	348.6	347.1	353.2	348.6	353.2	347.1	348.6	347.1	344.1	339.7	324.6
75°	278.0	281.1	278.0	282.6	278.0	281.1	278.0	279.5	278.0	275.0	264.4
77.5°	211.9	214.9	211.9	211.9	211.9	214.9	211.9	213.4	213.4	213.4	204.4
80°	150.2	148.7	148.7	147.2	148.7	148.7	150.2	150.2	151.8	148.7	145.8
82.5°	96.2	94.7	94.7	97.7	94.7	94.7	96.2	97.7	94.7	94.7	94.7
85°	52.6	54.1	51.1	51.1	51.1	54.1	52.6	49.6	52.6	52.6	51.1
87.5°	19.5	18.0	18.0	18.0	18.0	18.0	19.5	21.0	21.0	21.0	22.6
90°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	28.1	37.4	42.1	36.2
92.5°	105.2	101.1	84.3	67.6	84.3	101.1	105.2	149.2	207.7	237.0	208.1
95°	357.2	344.5	293.8	243.1	293.8	344.5	357.2	469.1	618.3	692.9	585.2
97.5°	824.7	800.5	704.1	607.6	704.1	800.5	824.7	895.4	989.7	1036.8	857.3
100°	1158.1	1129.4	1014.5	899.5	1014.5	1129.4	1158.1	1153.0	1146.1	1142.6	943.3
102.5°	1442.8	1418.2	1319.7	1221.3	1319.7	1418.2	1442.8	1352.7	1232.5	1172.5	970.4
105°	1775.1	1761.9	1709.0	1656.0	1709.0	1761.9	1775.1	1573.1	1303.8	1169.1	973.4
107.5°	1947.9	1951.1	1963.9	1976.7	1963.9	1951.1	1947.9	1666.2	1290.5	1102.7	930.2
110°	1992.2	2006.0	2061.1	2116.3	2061.1	2006.0	1992.2	1677.3	1257.3	1047.3	891.7



TEST NUMBER: P936174

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1964.0	1985.1	2069.8	2154.5	2069.8	1985.1	1964.0	1641.6	1211.9	997.0	858.3
115°	1868.2	1897.6	2015.0	2132.4	2015.0	1897.6	1868.2	1557.6	1143.6	936.6	819.8
117.5°	1735.8	1768.4	1898.5	2028.7	1898.5	1768.4	1735.8	1455.5	1081.9	895.0	795.7
120°	1646.6	1678.2	1804.8	1931.3	1804.8	1678.2	1646.6	1390.5	1049.1	878.4	787.6
122.5°	1557.5	1588.6	1713.5	1838.2	1713.5	1588.6	1557.5	1326.8	1019.4	865.7	783.4
125°	1439.4	1468.2	1583.1	1698.1	1583.1	1468.2	1439.4	1243.6	982.4	851.9	779.8
127.5°	1344.8	1369.0	1466.0	1563.0	1466.0	1369.0	1344.8	1176.6	952.4	840.2	777.8
130°	1284.9	1307.3	1396.9	1486.5	1396.9	1307.3	1284.9	1135.2	935.6	835.8	779.0
132.5°	1234.0	1254.0	1334.2	1414.5	1334.2	1254.0	1234.0	1100.0	921.2	831.9	779.8
135°	1161.9	1179.3	1248.4	1317.6	1248.4	1179.3	1161.9	1049.7	900.1	825.2	779.0
137.5°	1108.8	1123.0	1179.6	1236.2	1179.6	1123.0	1108.8	1013.9	887.4	824.2	783.9
140°	1066.1	1079.4	1132.3	1185.2	1132.3	1079.4	1066.1	984.2	874.9	820.2	784.7
142.5°	1036.3	1047.7	1093.2	1138.7	1093.2	1047.7	1036.3	964.3	868.3	820.2	787.5
145°	991.4	1000.0	1034.5	1069.0	1034.5	1000.0	991.4	932.5	854.0	814.7	787.6
147.5°	953.7	960.8	989.4	1018.0	989.4	960.8	953.7	907.4	845.6	814.7	793.0
150°	932.1	937.9	961.1	984.2	961.1	937.9	932.1	893.0	840.8	814.7	795.7
152.5°	915.0	919.3	936.8	954.2	936.8	919.3	915.0	881.6	837.0	814.7	797.6
155°	894.5	897.4	909.0	920.5	909.0	897.4	894.5	867.9	832.5	814.7	801.7
157.5°	876.7	878.8	886.8	895.0	886.8	878.8	876.7	856.0	828.5	814.7	805.8
160°	867.8	869.0	873.7	878.4	873.7	869.0	867.8	850.2	826.6	814.7	807.6
162.5°	859.6	860.6	865.1	869.5	865.1	860.6	859.6	844.7	824.7	814.7	809.6
165°	846.8	848.0	852.7	857.4	852.7	848.0	846.8	836.1	821.8	814.7	812.4
167.5°	841.3	841.8	843.8	845.7	843.8	841.8	841.3	834.3	825.0	820.2	818.3
170°	841.3	841.3	841.3	841.3	841.3	841.3	841.3	834.3	825.0	820.2	820.2
172.5°	836.9	836.4	834.7	833.0	834.7	836.4	836.9	831.3	824.0	820.2	820.2
175°	830.8	830.8	830.8	830.8	830.8	830.8	830.8	827.3	822.6	820.2	821.3
177.5°	829.7	829.1	827.2	825.2	827.2	829.1	829.7	826.9	823.3	821.4	822.3
180°	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2	825.2



TEST NUMBER: P936174

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1588.5	1588.5	1588.5	1588.5	1588.5
2.5°	1568.9	1576.4	1580.9	1586.9	1602.0
5°	1508.8	1537.3	1546.4	1568.9	1595.9
7.5°	1376.6	1463.7	1487.8	1541.8	1583.9
10°	1248.8	1336.0	1378.1	1505.8	1568.9
12.5°	1184.1	1235.3	1263.8	1442.6	1547.9
15°	1143.7	1179.7	1200.8	1358.6	1523.8
17.5°	1112.0	1137.6	1152.6	1275.9	1490.8
20°	1092.5	1104.6	1118.1	1215.8	1453.2
22.5°	1079.0	1071.5	1082.0	1173.7	1402.1
25°	1070.0	1041.4	1053.4	1140.6	1341.9
27.5°	1077.5	1014.4	1018.9	1110.5	1278.9
30°	1079.0	981.3	982.8	1079.0	1208.2
32.5°	1068.4	946.8	948.3	1039.9	1128.6
35°	1043.0	906.2	904.7	994.8	1020.4
37.5°	1008.3	862.6	862.6	945.3	901.7
40°	966.3	819.0	823.5	880.6	796.4
42.5°	915.2	772.5	778.4	794.9	718.3
45°	859.6	727.4	731.9	671.8	658.2
47.5°	798.0	680.7	682.3	557.6	638.6
50°	724.3	632.7	626.7	477.9	637.1
52.5°	659.7	580.0	562.0	432.8	578.5
55°	596.6	524.5	485.4	398.3	536.5
57.5°	541.0	452.3	414.8	357.7	527.5
60°	489.9	381.7	353.2	314.1	483.9
62.5°	447.8	329.1	323.1	284.0	438.8
65°	402.7	293.0	291.5	258.5	372.7
67.5°	359.2	269.0	267.5	234.4	284.0
70°	312.6	243.5	240.5	208.9	210.4
72.5°	264.4	214.9	211.9	187.8	174.3
75°	216.4	181.9	180.4	163.8	141.3
77.5°	169.8	144.3	147.2	132.2	103.7
80°	121.7	105.2	108.2	94.7	78.1
82.5°	81.2	69.1	72.1	60.1	52.6
85°	45.1	39.1	40.6	31.5	24.1
87.5°	21.0	18.0	18.0	12.0	7.5
90°	24.4	15.5	14.4	9.9	5.5
92.5°	150.2	106.9	97.5	59.8	22.1
95°	369.8	208.2	191.0	122.1	53.2
97.5°	498.1	228.7	213.6	152.7	91.9
100°	544.8	245.9	232.1	177.0	121.8
102.5°	566.3	263.1	250.2	198.8	147.3
105°	582.1	288.6	277.7	234.2	190.6
107.5°	585.1	326.3	316.1	275.5	234.9
110°	580.7	347.3	338.2	301.4	264.7



TEST NUMBER: P936174

CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	580.8	372.8	364.1	329.1	294.1
115°	586.2	411.0	402.9	370.7	338.4
117.5°	597.1	448.1	440.8	411.5	382.2
120°	605.9	469.7	462.7	435.2	407.6
122.5°	618.7	495.1	488.2	460.3	432.5
125°	635.8	527.8	521.5	496.1	470.8
127.5°	652.9	559.4	553.0	527.4	501.8
130°	665.6	580.4	573.5	545.9	518.4
132.5°	675.7	597.6	590.7	563.2	535.6
135°	686.8	617.5	611.2	586.2	561.0
137.5°	703.4	643.0	636.8	611.9	587.1
140°	713.6	660.2	654.5	631.6	608.7
142.5°	722.0	672.9	667.6	646.5	625.3
145°	733.1	692.3	687.7	669.3	650.8
147.5°	749.4	716.7	712.2	694.2	676.2
150°	757.8	729.4	725.3	709.2	692.9
152.5°	763.4	737.8	734.6	722.4	710.0
155°	775.6	756.0	753.7	744.7	735.5
157.5°	787.7	774.2	772.0	763.2	754.4
160°	793.3	782.6	780.9	774.0	767.1
162.5°	799.2	791.5	790.1	785.0	779.8
165°	807.7	804.2	803.0	798.3	793.7
167.5°	814.3	811.4	810.8	808.6	806.4
170°	819.9	819.7	819.2	817.0	814.7
172.5°	820.2	820.2	820.2	819.6	819.2
175°	823.5	825.2	825.2	825.2	825.2
177.5°	824.0	825.2	825.2	825.2	825.2
180°	825.2	825.2	825.2	825.2	825.2



TEST NUMBER: P936174
 CATALOG NUMBER: SQ4-FA-150U-125D-940-1D-UNV-STD-W-4

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	13.51	14.32	14.52	15.34	16.70	16.31	17.11	17.32	18.13	19.50
	3H	13.98	14.71	15.01	15.74	17.12	17.64	18.36	18.66	19.39	20.77
	4H	14.17	14.86	15.21	15.89	17.28	18.07	18.76	19.11	19.79	21.18
	6H	14.29	14.92	15.33	15.96	17.36	18.35	18.98	19.39	20.02	21.42
	8H	14.29	14.89	15.34	15.94	17.34	18.42	19.02	19.47	20.07	21.47
	12H	14.26	14.83	15.31	15.87	17.29	18.45	19.02	19.50	20.07	21.49
4H	2H	14.53	15.21	15.57	16.25	17.63	16.71	17.40	17.75	18.43	19.82
	3H	15.55	16.12	16.60	17.18	18.58	18.20	18.77	19.25	19.83	21.24
	4H	15.82	16.35	16.88	17.40	18.82	18.72	19.24	19.78	20.30	21.72
	6H	15.95	16.40	17.01	17.47	18.89	19.08	19.53	20.14	20.60	22.02
	8H	15.95	16.37	17.02	17.44	18.87	19.18	19.60	20.24	20.66	22.10
	12H	15.92	16.29	17.00	17.38	18.82	19.23	19.61	20.31	20.69	22.13
8H	4H	16.27	16.69	17.33	17.75	19.19	18.84	19.26	19.91	20.33	21.76
	6H	16.53	16.87	17.62	17.98	19.41	19.27	19.62	20.36	20.72	22.16
	8H	16.57	16.87	17.67	17.97	19.42	19.42	19.72	20.51	20.81	22.26
	12H	16.55	16.82	17.65	17.91	19.40	19.51	19.77	20.61	20.86	22.35
12H	4H	16.27	16.65	17.35	17.73	19.17	18.81	19.18	19.89	20.27	21.71
	6H	16.59	16.89	17.68	17.98	19.43	19.27	19.57	20.36	20.66	22.11
	8H	16.65	16.92	17.75	18.01	19.50	19.42	19.69	20.52	20.78	22.27