

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: P934324

Luminaire Tested: SQ4-FA-050U-075D-927-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934324
REPORT IS A COMBINATION OF REPORTS P933696 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-075D-927-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

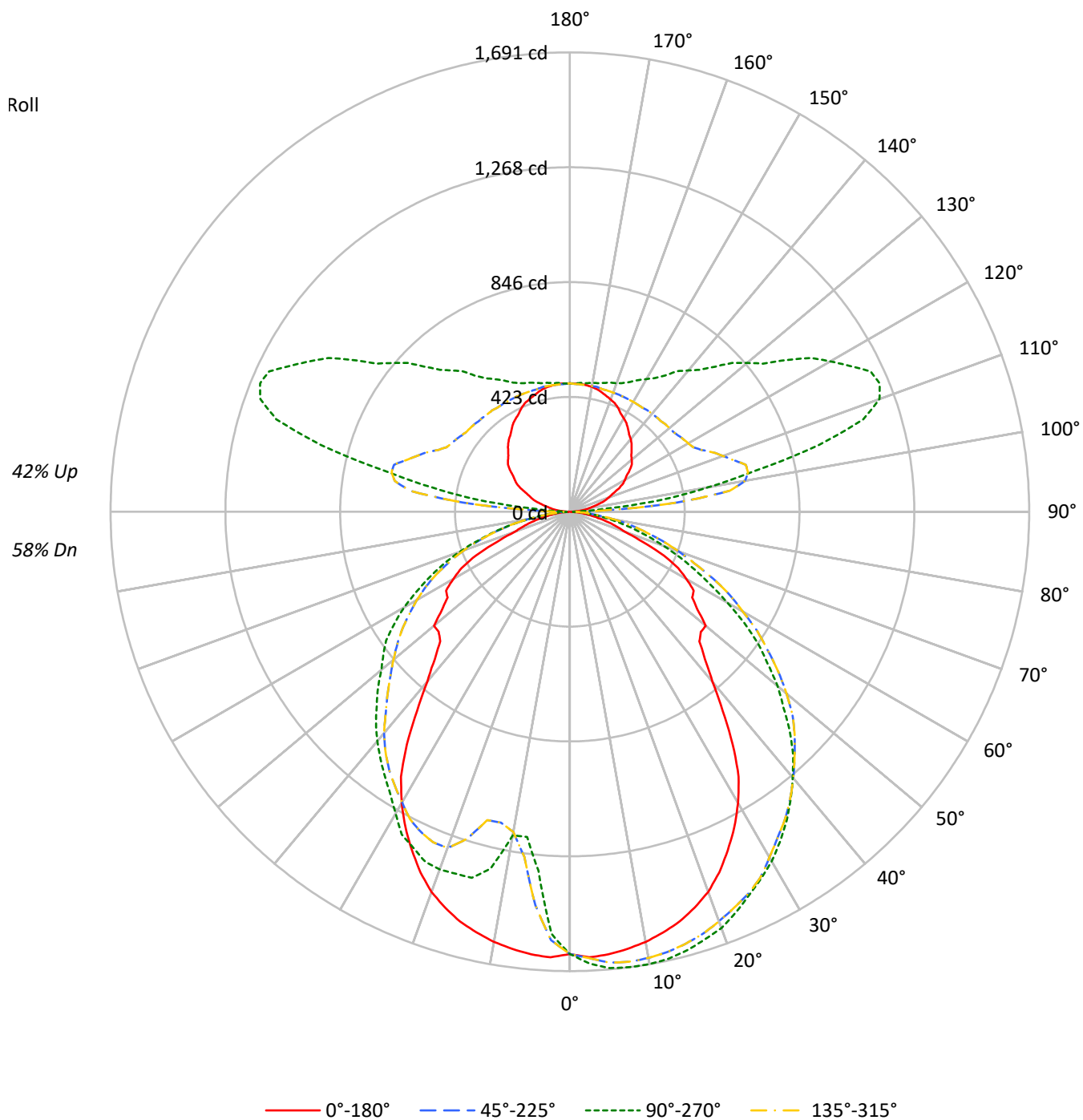
Lumens per Lamp: N/A
Luminaire Lumens: 7288.1 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63
1	100	95	91	88	93	89	86	83	77	75	72	66	64	63	56	55	54
2	91	83	77	72	84	78	72	68	68	63	60	58	55	52	49	47	45
3	83	73	66	60	77	68	62	57	60	55	50	51	48	44	44	41	39
4	76	65	57	51	70	61	54	48	53	47	43	46	41	38	39	36	33
5	70	58	49	43	65	54	47	41	47	42	37	41	37	33	35	32	29
6	64	52	44	38	60	49	41	36	43	37	32	37	32	29	32	28	25
7	59	47	39	33	55	44	37	31	39	33	28	34	29	25	29	25	23
8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	27	23	20
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	25	21	18
10	48	36	28	23	45	34	27	22	30	24	20	26	22	18	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7552	7552	7552	7552
5°	7608	7623	7608	5994
10°	7558	7509	7558	5368
15°	7475	7347	7475	6135
20°	7319	7154	7319	6147
25°	6999	6873	6999	6017
30°	6585	6639	6585	5731
35°	5871	6344	5871	5417
40°	4892	5997	4892	5179
45°	4371	5590	4371	4906
50°	4644	5104	4644	4632
55°	4369	4582	4369	4474
60°	4504	3892	4504	4097
65°	4083	3217	4083	3596
70°	2828	2564	2828	3014
75°	2480	1895	2480	2269
80°	1998	1253	1998	1364
85°	1146	664	1146	565

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 6699 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	2.0
10°-20°	417.2	5.7
20°-30°	644.9	8.8
30°-40°	769.8	10.6
40°-50°	774.3	10.6
50°-60°	673.8	9.2
60°-70°	477.7	6.6
70°-80°	252.7	3.5
80°-90°	64.8	0.9
90°-100°	230.5	3.2
100°-110°	606.1	8.3
110°-120°	628.5	8.6
120°-130°	504.1	6.9
130°-140°	395.5	5.4
140°-150°	303.6	4.2
150°-160°	218.6	3.0
160°-170°	133.8	1.8
170°-180°	45.2	0.6
0°-30°	1209.0	16.6
0°-40°	1978.8	27.2
0°-60°	3426.9	47.0
0°-90°	4222.2	57.9
90°-120°	1465.1	20.1
90°-150°	2668.3	36.6
90°-180°	3066.0	42.1
0°-180°	7288.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1628	1628	1628	1628	1628	
5°	1635	1686	1635	1326	1635	155
15°	1562	1671	1562	1395	1562	439
25°	1375	1558	1375	1364	1375	631
35°	1046	1390	1046	1187	1046	647
45°	674	1146	674	1006	674	540
55°	550	846	550	825	550	505
65°	382	510	382	570	382	365
75°	145	242	145	290	145	152
85°	25	62	25	52	25	33
90°	3	12	3	12	3	4
95°	30	139	30	139	30	34
105°	109	949	109	949	109	116
115°	194	1222	194	1222	194	192
125°	270	973	270	973	270	240
135°	322	755	322	755	322	249
145°	373	613	373	613	373	234
155°	422	528	422	528	422	194
165°	455	491	455	491	455	128
175°	473	476	473	476	473	45
180°	473	473	473	473	473	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1641.6	1641.6	1650.8	1653.9	1653.9	1649.3	1644.6	1649.3	1663.1	1667.7	1666.2
5°	1635.4	1647.7	1664.7	1667.7	1670.8	1669.3	1666.2	1669.3	1684.7	1687.8	1689.3
7.5°	1623.1	1646.2	1667.7	1672.4	1677.0	1672.4	1670.8	1673.9	1689.3	1692.4	1692.4
10°	1607.7	1640.0	1664.7	1667.7	1672.4	1667.7	1667.7	1673.9	1689.3	1692.4	1693.9
12.5°	1586.1	1630.8	1653.9	1657.0	1663.1	1661.6	1660.0	1666.2	1681.6	1684.7	1684.7
15°	1561.5	1613.8	1635.4	1638.5	1649.3	1646.2	1646.2	1652.3	1669.3	1673.9	1672.4
17.5°	1527.6	1592.3	1616.9	1621.5	1629.2	1627.7	1629.2	1635.4	1650.8	1653.9	1655.4
20°	1489.1	1563.0	1592.3	1596.9	1604.6	1604.6	1604.6	1612.3	1627.7	1633.9	1633.9
22.5°	1436.7	1532.2	1563.0	1566.1	1575.3	1575.3	1578.4	1589.2	1603.1	1604.6	1604.6
25°	1375.1	1498.3	1524.5	1533.8	1543.0	1547.6	1552.2	1558.4	1563.0	1561.5	1563.0
27.5°	1310.5	1455.2	1489.1	1495.3	1507.6	1512.2	1518.4	1519.9	1521.4	1526.1	1523.0
30°	1238.1	1395.2	1446.0	1452.1	1472.2	1475.2	1469.1	1472.2	1479.9	1482.9	1486.0
32.5°	1156.5	1305.8	1401.3	1415.2	1433.7	1424.4	1422.9	1427.5	1439.8	1439.8	1442.9
35°	1045.6	1236.5	1359.7	1372.1	1385.9	1375.1	1381.3	1382.8	1390.5	1395.2	1393.6
37.5°	923.9	1176.5	1316.6	1325.9	1336.6	1322.8	1332.0	1336.6	1342.8	1339.7	1339.7
40°	816.2	1082.5	1265.8	1272.0	1281.2	1270.4	1279.7	1282.7	1285.8	1282.7	1281.2
42.5°	736.1	979.4	1211.9	1219.6	1213.4	1221.1	1224.2	1230.4	1225.8	1219.6	1219.6
45°	674.5	951.6	1153.4	1162.6	1153.4	1165.7	1170.3	1170.3	1156.5	1153.4	1151.8
47.5°	654.5	896.3	1094.9	1094.9	1090.2	1105.6	1113.3	1102.6	1088.7	1084.1	1084.1
50°	653.0	834.7	1014.8	1008.6	1030.2	1048.7	1041.0	1030.2	1019.4	1002.5	1002.5
52.5°	592.9	759.2	911.7	934.7	968.6	979.4	967.0	956.3	937.8	930.1	923.9
55°	549.8	680.7	817.7	863.9	899.4	913.2	890.1	879.3	851.6	847.0	843.9
57.5°	540.5	566.7	731.5	790.0	833.1	831.6	817.7	797.7	774.6	770.0	768.5
60°	495.9	409.6	639.1	708.4	753.1	748.4	736.1	717.6	696.1	693.0	689.9
62.5°	449.7	297.2	534.4	612.9	676.1	674.5	663.7	636.0	620.6	612.9	606.8
65°	381.9	249.5	380.4	509.7	600.6	603.7	580.6	560.6	543.6	534.4	532.8
67.5°	291.1	203.3	257.2	425.0	528.2	525.1	495.9	486.6	465.1	460.5	451.2
70°	215.6	135.5	178.6	345.0	457.4	449.7	426.6	415.8	395.8	385.0	378.8
72.5°	178.6	109.3	130.9	268.0	385.0	375.8	355.7	343.4	326.5	317.2	311.1
75°	144.8	115.5	100.1	198.7	312.6	306.5	288.0	275.7	261.8	249.5	251.0
77.5°	106.3	107.8	80.1	146.3	247.9	238.7	227.9	212.5	206.4	194.0	194.0
80°	80.1	84.7	60.1	100.1	178.6	178.6	169.4	158.6	147.8	141.7	141.7
82.5°	53.9	53.9	44.7	63.1	121.7	117.0	110.9	107.8	101.6	98.6	98.6
85°	24.6	30.8	27.7	38.5	66.2	69.3	69.3	66.2	64.7	61.6	63.1
87.5°	7.7	13.9	16.9	21.6	33.9	35.4	37.0	37.0	37.0	38.5	38.5
90°	3.2	5.7	8.2	8.9	13.9	20.7	24.1	21.4	16.1	12.1	12.1
92.5°	12.7	34.3	55.9	61.3	86.2	119.3	135.8	119.0	85.5	60.3	57.9
95°	30.5	70.0	109.5	119.4	211.9	335.3	397.1	354.4	268.9	204.7	197.5
97.5°	52.7	87.5	122.4	131.1	285.4	491.3	594.2	567.2	513.1	472.6	458.8
100°	69.8	101.4	133.0	140.9	312.2	540.6	654.8	656.8	660.7	663.7	647.2
102.5°	84.5	114.0	143.4	150.8	324.5	556.2	672.0	706.4	775.2	826.8	812.7
105°	109.2	134.1	159.2	165.4	333.6	557.9	670.1	747.2	901.6	1017.3	1009.7
107.5°	134.6	157.8	181.1	187.0	335.3	533.1	631.9	739.6	954.9	1116.3	1118.2
110°	151.7	172.7	193.8	199.0	332.8	511.0	600.2	720.6	961.2	1141.7	1149.6

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	168.6	188.6	208.6	213.6	332.9	491.9	571.3	694.5	940.8	1125.5	1137.7
115°	194.0	212.4	230.9	235.5	336.0	469.9	536.8	655.4	892.7	1070.6	1087.4
117.5°	219.0	235.8	252.6	256.8	342.2	456.0	512.9	620.0	834.1	994.8	1013.4
120°	233.6	249.4	265.3	269.2	347.3	451.4	503.4	601.2	796.9	943.6	961.7
122.5°	247.9	263.8	279.7	283.7	354.5	448.9	496.1	584.2	760.5	892.6	910.4
125°	269.8	284.3	298.8	302.5	364.4	446.9	488.2	563.0	712.7	825.0	841.5
127.5°	287.6	302.2	316.9	320.6	374.2	445.8	481.5	545.8	674.3	770.7	784.6
130°	297.1	312.9	328.7	332.6	381.4	446.4	478.9	536.2	650.6	736.4	749.2
132.5°	306.9	322.7	338.6	342.5	387.2	446.9	476.8	528.0	630.4	707.2	718.6
135°	321.6	336.0	350.3	353.9	393.5	446.4	472.9	515.8	601.6	665.9	675.8
137.5°	336.5	350.7	365.0	368.5	403.1	449.2	472.3	508.6	581.1	635.5	643.6
140°	348.8	362.0	375.1	378.4	408.9	449.7	470.1	501.4	564.0	611.0	618.5
142.5°	358.4	370.4	382.6	385.6	413.8	451.3	470.1	497.6	552.6	593.9	600.4
145°	373.0	383.5	394.2	396.8	420.2	451.4	466.9	489.4	534.5	568.2	573.1
147.5°	387.5	397.9	408.2	410.7	429.4	454.5	466.9	484.6	520.0	546.5	550.6
150°	397.1	406.4	415.7	418.0	434.4	456.1	466.9	481.9	511.8	534.2	537.5
152.5°	406.9	414.0	421.0	422.8	437.5	457.1	466.9	479.7	505.2	524.4	526.9
155°	421.5	426.7	432.0	433.3	444.5	459.5	466.9	477.1	497.3	512.6	514.3
157.5°	432.3	437.4	442.4	443.8	451.5	461.8	466.9	474.8	490.6	502.4	503.6
160°	439.6	443.6	447.5	448.5	454.7	462.8	466.9	473.7	487.2	497.3	498.0
162.5°	446.9	449.9	452.8	453.6	458.1	464.0	466.9	472.6	484.1	492.6	493.3
165°	454.8	457.5	460.2	460.8	462.8	465.5	466.9	471.0	479.2	485.3	486.0
167.5°	462.2	463.4	464.7	465.0	466.7	468.9	470.1	472.8	478.2	482.2	482.5
170°	466.9	468.2	469.5	469.8	469.9	470.0	470.1	472.8	478.2	482.2	482.2
172.5°	469.5	469.8	470.0	470.1	470.1	470.1	470.1	472.2	476.5	479.6	479.4
175°	472.9	472.9	472.9	472.9	472.0	470.7	470.1	471.4	474.1	476.1	476.1
177.5°	472.9	472.9	472.9	472.9	472.2	471.2	470.7	471.8	473.9	475.5	475.2
180°	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1669.3	1664.7	1669.3	1666.2	1667.7	1663.1	1649.3	1644.6	1649.3	1653.9	1653.9
5°	1689.3	1686.2	1689.3	1689.3	1687.8	1684.7	1669.3	1666.2	1669.3	1670.8	1667.7
7.5°	1695.5	1690.8	1695.5	1692.4	1692.4	1689.3	1673.9	1670.8	1672.4	1677.0	1672.4
10°	1695.5	1690.8	1695.5	1693.9	1692.4	1689.3	1673.9	1667.7	1667.7	1672.4	1667.7
12.5°	1687.8	1684.7	1687.8	1684.7	1684.7	1681.6	1666.2	1660.0	1661.6	1663.1	1657.0
15°	1675.4	1670.8	1675.4	1672.4	1673.9	1669.3	1652.3	1646.2	1646.2	1649.3	1638.5
17.5°	1657.0	1650.8	1657.0	1655.4	1653.9	1650.8	1635.4	1629.2	1627.7	1629.2	1621.5
20°	1635.4	1630.8	1635.4	1633.9	1633.9	1627.7	1612.3	1604.6	1604.6	1604.6	1596.9
22.5°	1601.5	1596.9	1601.5	1604.6	1604.6	1603.1	1589.2	1578.4	1575.3	1575.3	1566.1
25°	1563.0	1558.4	1563.0	1563.0	1561.5	1563.0	1558.4	1552.2	1547.6	1543.0	1533.8
27.5°	1526.1	1523.0	1526.1	1523.0	1526.1	1521.4	1519.9	1518.4	1512.2	1507.6	1495.3
30°	1489.1	1486.0	1489.1	1486.0	1482.9	1479.9	1472.2	1469.1	1475.2	1472.2	1452.1
32.5°	1442.9	1439.8	1442.9	1442.9	1439.8	1439.8	1427.5	1422.9	1424.4	1433.7	1415.2
35°	1395.2	1390.5	1395.2	1393.6	1395.2	1390.5	1382.8	1381.3	1375.1	1385.9	1372.1
37.5°	1339.7	1335.1	1339.7	1339.7	1339.7	1342.8	1336.6	1332.0	1322.8	1336.6	1325.9
40°	1282.7	1276.6	1282.7	1281.2	1282.7	1285.8	1282.7	1279.7	1270.4	1281.2	1272.0
42.5°	1218.1	1216.5	1218.1	1219.6	1219.6	1225.8	1230.4	1224.2	1221.1	1213.4	1219.6
45°	1148.8	1145.7	1148.8	1151.8	1153.4	1156.5	1170.3	1170.3	1165.7	1153.4	1162.6
47.5°	1074.8	1067.1	1074.8	1084.1	1084.1	1088.7	1102.6	1113.3	1105.6	1090.2	1094.9
50°	996.3	997.8	996.3	1002.5	1002.5	1019.4	1030.2	1041.0	1048.7	1030.2	1008.6
52.5°	919.3	917.8	919.3	923.9	930.1	937.8	956.3	967.0	979.4	968.6	934.7
55°	842.4	845.5	842.4	843.9	847.0	851.6	879.3	890.1	913.2	899.4	863.9
57.5°	765.4	760.8	765.4	768.5	770.0	774.6	797.7	817.7	831.6	833.1	790.0
60°	676.1	669.9	676.1	689.9	693.0	696.1	717.6	736.1	748.4	753.1	708.4
62.5°	597.5	586.7	597.5	606.8	612.9	620.6	636.0	663.7	674.5	676.1	612.9
65°	514.4	509.7	514.4	532.8	534.4	543.6	560.6	580.6	603.7	600.6	509.7
67.5°	438.9	438.9	438.9	451.2	460.5	465.1	486.6	495.9	525.1	528.2	425.0
70°	369.6	368.1	369.6	378.8	385.0	395.8	415.8	426.6	449.7	457.4	345.0
72.5°	303.4	301.8	303.4	311.1	317.2	326.5	343.4	355.7	375.8	385.0	268.0
75°	244.9	241.8	244.9	251.0	249.5	261.8	275.7	288.0	306.5	312.6	198.7
77.5°	187.9	187.9	187.9	194.0	194.0	206.4	212.5	227.9	238.7	247.9	146.3
80°	140.1	138.6	140.1	141.7	141.7	147.8	158.6	169.4	178.6	178.6	100.1
82.5°	98.6	95.5	98.6	98.6	98.6	101.6	107.8	110.9	117.0	121.7	63.1
85°	61.6	61.6	61.6	63.1	61.6	64.7	66.2	69.3	69.3	66.2	38.5
87.5°	40.0	38.5	40.0	38.5	38.5	37.0	37.0	37.0	35.4	33.9	21.6
90°	12.1	12.1	12.1	12.1	12.1	16.1	21.4	24.1	20.7	13.9	8.9
92.5°	48.3	38.7	48.3	57.9	60.3	85.5	119.0	135.8	119.3	86.2	61.3
95°	168.4	139.4	168.4	197.5	204.7	268.9	354.4	397.1	335.3	211.9	119.4
97.5°	403.5	348.2	403.5	458.8	472.6	513.1	567.2	594.2	491.3	285.4	131.1
100°	581.4	515.4	581.4	647.2	663.7	660.7	656.8	654.8	540.6	312.2	140.9
102.5°	756.3	699.9	756.3	812.7	826.8	775.2	706.4	672.0	556.2	324.5	150.8
105°	979.4	949.0	979.4	1009.7	1017.3	901.6	747.2	670.1	557.9	333.6	165.4
107.5°	1125.5	1132.8	1125.5	1118.2	1116.3	954.9	739.6	631.9	533.1	335.3	187.0
110°	1181.2	1212.8	1181.2	1149.6	1141.7	961.2	720.6	600.2	511.0	332.8	199.0

TEST NUMBER: P934324

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1186.2	1234.7	1186.2	1137.7	1125.5	940.8	694.5	571.3	491.9	332.9	213.6
115°	1154.7	1222.0	1154.7	1087.4	1070.6	892.7	655.4	536.8	469.9	336.0	235.5
117.5°	1088.1	1162.7	1088.1	1013.4	994.8	834.1	620.0	512.9	456.0	342.2	256.8
120°	1034.3	1106.8	1034.3	961.7	943.6	796.9	601.2	503.4	451.4	347.3	269.2
122.5°	982.0	1053.5	982.0	910.4	892.6	760.5	584.2	496.1	448.9	354.5	283.7
125°	907.3	973.2	907.3	841.5	825.0	712.7	563.0	488.2	446.9	364.4	302.5
127.5°	840.1	895.7	840.1	784.6	770.7	674.3	545.8	481.5	445.8	374.2	320.6
130°	800.6	851.9	800.6	749.2	736.4	650.6	536.2	478.9	446.4	381.4	332.6
132.5°	764.7	810.7	764.7	718.6	707.2	630.4	528.0	476.8	446.9	387.2	342.5
135°	715.5	755.1	715.5	675.8	665.9	601.6	515.8	472.9	446.4	393.5	353.9
137.5°	676.1	708.5	676.1	643.6	635.5	581.1	508.6	472.3	449.2	403.1	368.5
140°	648.9	679.2	648.9	618.5	611.0	564.0	501.4	470.1	449.7	408.9	378.4
142.5°	626.5	652.6	626.5	600.4	593.9	552.6	497.6	470.1	451.3	413.8	385.6
145°	592.9	612.6	592.9	573.1	568.2	534.5	489.4	466.9	451.4	420.2	396.8
147.5°	567.0	583.4	567.0	550.6	546.5	520.0	484.6	466.9	454.5	429.4	410.7
150°	550.8	564.0	550.8	537.5	534.2	511.8	481.9	466.9	456.1	434.4	418.0
152.5°	536.9	546.9	536.9	526.9	524.4	505.2	479.7	466.9	457.1	437.5	422.8
155°	520.9	527.5	520.9	514.3	512.6	497.3	477.1	466.9	459.5	444.5	433.3
157.5°	508.3	512.9	508.3	503.6	502.4	490.6	474.8	466.9	461.8	451.5	443.8
160°	500.7	503.4	500.7	498.0	497.3	487.2	473.7	466.9	462.8	454.7	448.5
162.5°	495.8	498.3	495.8	493.3	492.6	484.1	472.6	466.9	464.0	458.1	453.6
165°	488.6	491.3	488.6	486.0	485.3	479.2	471.0	466.9	465.5	462.8	460.8
167.5°	483.6	484.7	483.6	482.5	482.2	478.2	472.8	470.1	468.9	466.7	465.0
170°	482.2	482.2	482.2	482.2	482.2	478.2	472.8	470.1	470.0	469.9	469.8
172.5°	478.4	477.4	478.4	479.4	479.6	476.5	472.2	470.1	470.1	470.1	470.1
175°	476.1	476.1	476.1	476.1	476.1	474.1	471.4	470.1	470.7	472.0	472.9
177.5°	474.1	472.9	474.1	475.2	475.5	473.9	471.8	470.7	471.2	472.2	472.9
180°	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9

TEST NUMBER: P934324

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1650.8	1641.6	1641.6	1626.2	1620.0	1615.4	1607.7	1584.6	1578.4	1572.3	1581.5
5°	1664.7	1647.7	1635.4	1607.7	1584.6	1575.3	1546.1	1490.6	1453.7	1426.0	1410.6
7.5°	1667.7	1646.2	1623.1	1580.0	1524.5	1499.9	1410.6	1308.9	1281.2	1256.6	1241.2
10°	1664.7	1640.0	1607.7	1543.0	1412.1	1369.0	1279.7	1213.4	1196.5	1191.9	1196.5
12.5°	1653.9	1630.8	1586.1	1478.3	1295.1	1265.8	1213.4	1174.9	1171.9	1179.6	1221.1
15°	1635.4	1613.8	1561.5	1392.1	1230.4	1208.8	1171.9	1158.0	1174.9	1228.8	1353.6
17.5°	1616.9	1592.3	1527.6	1307.4	1181.1	1165.7	1139.5	1167.2	1262.7	1335.1	1376.7
20°	1592.3	1563.0	1489.1	1245.8	1145.7	1131.8	1119.5	1244.2	1316.6	1342.8	1365.9
22.5°	1563.0	1532.2	1436.7	1202.7	1108.7	1097.9	1105.6	1287.4	1316.6	1335.1	1355.1
25°	1524.5	1498.3	1375.1	1168.8	1079.5	1067.1	1096.4	1282.7	1299.7	1304.3	1344.3
27.5°	1489.1	1455.2	1310.5	1138.0	1044.0	1039.4	1104.1	1262.7	1275.0	1279.7	1322.8
30°	1446.0	1395.2	1238.1	1105.6	1007.1	1005.5	1105.6	1238.1	1235.0	1247.3	1290.4
32.5°	1401.3	1305.8	1156.5	1065.6	971.7	970.1	1094.9	1201.1	1198.0	1215.0	1247.3
35°	1359.7	1236.5	1045.6	1019.4	927.0	928.5	1068.7	1158.0	1159.5	1174.9	1195.0
37.5°	1316.6	1176.5	923.9	968.6	884.0	884.0	1033.3	1118.0	1114.9	1119.5	1147.2
40°	1265.8	1082.5	816.2	902.4	843.9	839.3	990.1	1074.8	1064.1	1062.5	1101.0
42.5°	1211.9	979.4	736.1	814.7	797.7	791.6	937.8	1022.5	1002.5	1007.1	1056.4
45°	1153.4	951.6	674.5	688.4	750.0	745.4	880.9	962.4	948.6	960.9	1011.7
47.5°	1094.9	896.3	654.5	571.3	699.2	697.6	817.7	904.0	896.3	908.6	962.4
50°	1014.8	834.7	653.0	489.7	642.2	648.3	742.3	847.0	847.0	857.8	914.8
52.5°	911.7	759.2	592.9	443.5	576.0	594.4	676.1	797.7	800.8	811.6	862.4
55°	817.7	680.7	549.8	408.1	497.4	537.5	611.4	746.9	753.1	763.8	810.0
57.5°	731.5	566.7	540.5	366.5	425.0	463.5	554.4	697.6	700.7	709.9	754.6
60°	639.1	409.6	495.9	321.9	361.9	391.2	502.0	639.1	649.9	656.0	694.5
62.5°	534.4	297.2	449.7	291.1	331.1	337.3	458.9	583.7	597.5	602.1	625.2
65°	380.4	249.5	381.9	264.9	298.8	300.3	412.7	526.7	539.0	546.7	563.6
67.5°	257.2	203.3	291.1	240.2	274.1	275.7	368.1	460.5	477.4	483.6	494.3
70°	178.6	135.5	215.6	214.1	246.4	249.5	320.3	400.4	415.8	420.4	426.6
72.5°	130.9	109.3	178.6	192.5	217.1	220.2	271.0	332.6	348.0	352.7	355.7
75°	100.1	115.5	144.8	167.9	184.8	186.3	221.8	271.0	281.8	284.9	286.4
77.5°	80.1	107.8	106.3	135.5	150.9	147.8	174.0	209.4	218.7	218.7	218.7
80°	60.1	84.7	80.1	97.0	110.9	107.8	124.7	149.4	152.5	155.5	154.0
82.5°	44.7	53.9	53.9	61.6	73.9	70.8	83.2	97.0	97.0	97.0	100.1
85°	27.7	30.8	24.6	32.3	41.6	40.0	46.2	52.4	53.9	53.9	50.8
87.5°	16.9	13.9	7.7	12.3	18.5	18.5	21.6	23.1	21.6	21.6	21.6
90°	8.2	5.7	3.2	5.7	8.2	8.9	13.9	20.7	24.1	21.4	16.1
92.5°	55.9	34.3	12.7	34.3	55.9	61.3	86.2	119.3	135.8	119.0	85.5
95°	109.5	70.0	30.5	70.0	109.5	119.4	211.9	335.3	397.1	354.4	268.9
97.5°	122.4	87.5	52.7	87.5	122.4	131.1	285.4	491.3	594.2	567.2	513.1
100°	133.0	101.4	69.8	101.4	133.0	140.9	312.2	540.6	654.8	656.8	660.7
102.5°	143.4	114.0	84.5	114.0	143.4	150.8	324.5	556.2	672.0	706.4	775.2
105°	159.2	134.1	109.2	134.1	159.2	165.4	333.6	557.9	670.1	747.2	901.6
107.5°	181.1	157.8	134.6	157.8	181.1	187.0	335.3	533.1	631.9	739.6	954.9
110°	193.8	172.7	151.7	172.7	193.8	199.0	332.8	511.0	600.2	720.6	961.2

TEST NUMBER: P934324

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	208.6	188.6	168.6	188.6	208.6	213.6	332.9	491.9	571.3	694.5	940.8
115°	230.9	212.4	194.0	212.4	230.9	235.5	336.0	469.9	536.8	655.4	892.7
117.5°	252.6	235.8	219.0	235.8	252.6	256.8	342.2	456.0	512.9	620.0	834.1
120°	265.3	249.4	233.6	249.4	265.3	269.2	347.3	451.4	503.4	601.2	796.9
122.5°	279.7	263.8	247.9	263.8	279.7	283.7	354.5	448.9	496.1	584.2	760.5
125°	298.8	284.3	269.8	284.3	298.8	302.5	364.4	446.9	488.2	563.0	712.7
127.5°	316.9	302.2	287.6	302.2	316.9	320.6	374.2	445.8	481.5	545.8	674.3
130°	328.7	312.9	297.1	312.9	328.7	332.6	381.4	446.4	478.9	536.2	650.6
132.5°	338.6	322.7	306.9	322.7	338.6	342.5	387.2	446.9	476.8	528.0	630.4
135°	350.3	336.0	321.6	336.0	350.3	353.9	393.5	446.4	472.9	515.8	601.6
137.5°	365.0	350.7	336.5	350.7	365.0	368.5	403.1	449.2	472.3	508.6	581.1
140°	375.1	362.0	348.8	362.0	375.1	378.4	408.9	449.7	470.1	501.4	564.0
142.5°	382.6	370.4	358.4	370.4	382.6	385.6	413.8	451.3	470.1	497.6	552.6
145°	394.2	383.5	373.0	383.5	394.2	396.8	420.2	451.4	466.9	489.4	534.5
147.5°	408.2	397.9	387.5	397.9	408.2	410.7	429.4	454.5	466.9	484.6	520.0
150°	415.7	406.4	397.1	406.4	415.7	418.0	434.4	456.1	466.9	481.9	511.8
152.5°	421.0	414.0	406.9	414.0	421.0	422.8	437.5	457.1	466.9	479.7	505.2
155°	432.0	426.7	421.5	426.7	432.0	433.3	444.5	459.5	466.9	477.1	497.3
157.5°	442.4	437.4	432.3	437.4	442.4	443.8	451.5	461.8	466.9	474.8	490.6
160°	447.5	443.6	439.6	443.6	447.5	448.5	454.7	462.8	466.9	473.7	487.2
162.5°	452.8	449.9	446.9	449.9	452.8	453.6	458.1	464.0	466.9	472.6	484.1
165°	460.2	457.5	454.8	457.5	460.2	460.8	462.8	465.5	466.9	471.0	479.2
167.5°	464.7	463.4	462.2	463.4	464.7	465.0	466.7	468.9	470.1	472.8	478.2
170°	469.5	468.2	466.9	468.2	469.5	469.8	469.9	470.0	470.1	472.8	478.2
172.5°	470.0	469.8	469.5	469.8	470.0	470.1	470.1	470.1	470.1	472.2	476.5
175°	472.9	472.9	472.9	472.9	472.9	472.9	472.0	470.7	470.1	471.4	474.1
177.5°	472.9	472.9	472.9	472.9	472.9	472.9	472.2	471.2	470.7	471.8	473.9
180°	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9

TEST NUMBER: P934324

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1570.7	1566.1	1572.3	1555.3	1572.3	1566.1	1570.7	1581.5	1572.3	1578.4	1584.6
5°	1378.2	1370.5	1345.9	1325.9	1345.9	1370.5	1378.2	1410.6	1426.0	1453.7	1490.6
7.5°	1231.9	1225.8	1219.6	1207.3	1219.6	1225.8	1231.9	1241.2	1256.6	1281.2	1308.9
10°	1199.6	1201.1	1210.4	1208.8	1210.4	1201.1	1199.6	1196.5	1191.9	1196.5	1213.4
12.5°	1282.7	1296.6	1347.4	1344.3	1347.4	1296.6	1282.7	1221.1	1179.6	1171.9	1174.9
15°	1378.2	1382.8	1393.6	1395.2	1393.6	1382.8	1378.2	1353.6	1228.8	1174.9	1158.0
17.5°	1387.5	1389.0	1396.7	1396.7	1396.7	1389.0	1387.5	1376.7	1335.1	1262.7	1167.2
20°	1379.8	1382.8	1398.2	1401.3	1398.2	1382.8	1379.8	1365.9	1342.8	1316.6	1244.2
22.5°	1376.7	1382.8	1395.2	1393.6	1395.2	1382.8	1376.7	1355.1	1335.1	1316.6	1287.4
25°	1361.3	1361.3	1362.8	1364.4	1362.8	1361.3	1361.3	1344.3	1304.3	1299.7	1282.7
27.5°	1328.9	1332.0	1341.3	1339.7	1341.3	1332.0	1328.9	1322.8	1279.7	1275.0	1262.7
30°	1299.7	1296.6	1288.9	1282.7	1288.9	1296.6	1299.7	1290.4	1247.3	1235.0	1238.1
32.5°	1250.4	1242.7	1235.0	1230.4	1235.0	1242.7	1250.4	1247.3	1215.0	1198.0	1201.1
35°	1191.9	1193.4	1191.9	1187.3	1191.9	1193.4	1191.9	1195.0	1174.9	1159.5	1158.0
37.5°	1150.3	1153.4	1151.8	1145.7	1151.8	1153.4	1150.3	1147.2	1119.5	1114.9	1118.0
40°	1107.2	1108.7	1107.2	1102.6	1107.2	1108.7	1107.2	1101.0	1062.5	1064.1	1074.8
42.5°	1065.6	1064.1	1059.4	1056.4	1059.4	1064.1	1065.6	1056.4	1007.1	1002.5	1022.5
45°	1017.9	1019.4	1010.2	1005.5	1010.2	1019.4	1017.9	1011.7	960.9	948.6	962.4
47.5°	970.1	970.1	962.4	957.8	962.4	970.1	970.1	962.4	908.6	896.3	904.0
50°	919.3	917.8	907.1	905.5	907.1	917.8	919.3	914.8	857.8	847.0	847.0
52.5°	860.9	860.9	862.4	865.5	862.4	860.9	860.9	862.4	811.6	800.8	797.7
55°	810.0	811.6	822.4	825.4	822.4	811.6	810.0	810.0	763.8	753.1	746.9
57.5°	757.7	757.7	765.4	765.4	765.4	757.7	757.7	754.6	709.9	700.7	697.6
60°	697.6	700.7	706.9	705.3	706.9	700.7	697.6	694.5	656.0	649.9	639.1
62.5°	634.5	637.6	639.1	636.0	639.1	637.6	634.5	625.2	602.1	597.5	583.7
65°	568.3	571.3	572.9	569.8	572.9	571.3	568.3	563.6	546.7	539.0	526.7
67.5°	500.5	499.0	497.4	503.6	497.4	499.0	500.5	494.3	483.6	477.4	460.5
70°	431.2	431.2	429.7	432.7	429.7	431.2	431.2	426.6	420.4	415.8	400.4
72.5°	357.3	355.7	361.9	357.3	361.9	355.7	357.3	355.7	352.7	348.0	332.6
75°	284.9	288.0	284.9	289.5	284.9	288.0	284.9	286.4	284.9	281.8	271.0
77.5°	217.1	220.2	217.1	217.1	217.1	220.2	217.1	218.7	218.7	218.7	209.4
80°	154.0	152.5	152.5	150.9	152.5	152.5	154.0	154.0	155.5	152.5	149.4
82.5°	98.6	97.0	97.0	100.1	97.0	97.0	98.6	100.1	97.0	97.0	97.0
85°	53.9	55.4	52.4	52.4	52.4	55.4	53.9	50.8	53.9	53.9	52.4
87.5°	20.0	18.5	18.5	18.5	18.5	18.5	20.0	21.6	21.6	21.6	23.1
90°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	16.1	21.4	24.1	20.7
92.5°	60.3	57.9	48.3	38.7	48.3	57.9	60.3	85.5	119.0	135.8	119.3
95°	204.7	197.5	168.4	139.4	168.4	197.5	204.7	268.9	354.4	397.1	335.3
97.5°	472.6	458.8	403.5	348.2	403.5	458.8	472.6	513.1	567.2	594.2	491.3
100°	663.7	647.2	581.4	515.4	581.4	647.2	663.7	660.7	656.8	654.8	540.6
102.5°	826.8	812.7	756.3	699.9	756.3	812.7	826.8	775.2	706.4	672.0	556.2
105°	1017.3	1009.7	979.4	949.0	979.4	1009.7	1017.3	901.6	747.2	670.1	557.9
107.5°	1116.3	1118.2	1125.5	1132.8	1125.5	1118.2	1116.3	954.9	739.6	631.9	533.1
110°	1141.7	1149.6	1181.2	1212.8	1181.2	1149.6	1141.7	961.2	720.6	600.2	511.0

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1125.5	1137.7	1186.2	1234.7	1186.2	1137.7	1125.5	940.8	694.5	571.3	491.9
115°	1070.6	1087.4	1154.7	1222.0	1154.7	1087.4	1070.6	892.7	655.4	536.8	469.9
117.5°	994.8	1013.4	1088.1	1162.7	1088.1	1013.4	994.8	834.1	620.0	512.9	456.0
120°	943.6	961.7	1034.3	1106.8	1034.3	961.7	943.6	796.9	601.2	503.4	451.4
122.5°	892.6	910.4	982.0	1053.5	982.0	910.4	892.6	760.5	584.2	496.1	448.9
125°	825.0	841.5	907.3	973.2	907.3	841.5	825.0	712.7	563.0	488.2	446.9
127.5°	770.7	784.6	840.1	895.7	840.1	784.6	770.7	674.3	545.8	481.5	445.8
130°	736.4	749.2	800.6	851.9	800.6	749.2	736.4	650.6	536.2	478.9	446.4
132.5°	707.2	718.6	764.7	810.7	764.7	718.6	707.2	630.4	528.0	476.8	446.9
135°	665.9	675.8	715.5	755.1	715.5	675.8	665.9	601.6	515.8	472.9	446.4
137.5°	635.5	643.6	676.1	708.5	676.1	643.6	635.5	581.1	508.6	472.3	449.2
140°	611.0	618.5	648.9	679.2	648.9	618.5	611.0	564.0	501.4	470.1	449.7
142.5°	593.9	600.4	626.5	652.6	626.5	600.4	593.9	552.6	497.6	470.1	451.3
145°	568.2	573.1	592.9	612.6	592.9	573.1	568.2	534.5	489.4	466.9	451.4
147.5°	546.5	550.6	567.0	583.4	567.0	550.6	546.5	520.0	484.6	466.9	454.5
150°	534.2	537.5	550.8	564.0	550.8	537.5	534.2	511.8	481.9	466.9	456.1
152.5°	524.4	526.9	536.9	546.9	536.9	526.9	524.4	505.2	479.7	466.9	457.1
155°	512.6	514.3	520.9	527.5	520.9	514.3	512.6	497.3	477.1	466.9	459.5
157.5°	502.4	503.6	508.3	512.9	508.3	503.6	502.4	490.6	474.8	466.9	461.8
160°	497.3	498.0	500.7	503.4	500.7	498.0	497.3	487.2	473.7	466.9	462.8
162.5°	492.6	493.3	495.8	498.3	495.8	493.3	492.6	484.1	472.6	466.9	464.0
165°	485.3	486.0	488.6	491.3	488.6	486.0	485.3	479.2	471.0	466.9	465.5
167.5°	482.2	482.5	483.6	484.7	483.6	482.5	482.2	478.2	472.8	470.1	468.9
170°	482.2	482.2	482.2	482.2	482.2	482.2	482.2	478.2	472.8	470.1	470.0
172.5°	479.6	479.4	478.4	477.4	478.4	479.4	479.6	476.5	472.2	470.1	470.1
175°	476.1	476.1	476.1	476.1	476.1	476.1	476.1	474.1	471.4	470.1	470.7
177.5°	475.5	475.2	474.1	472.9	474.1	475.2	475.5	473.9	471.8	470.7	471.2
180°	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9	472.9

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1607.7	1615.4	1620.0	1626.2	1641.6
5°	1546.1	1575.3	1584.6	1607.7	1635.4
7.5°	1410.6	1499.9	1524.5	1580.0	1623.1
10°	1279.7	1369.0	1412.1	1543.0	1607.7
12.5°	1213.4	1265.8	1295.1	1478.3	1586.1
15°	1171.9	1208.8	1230.4	1392.1	1561.5
17.5°	1139.5	1165.7	1181.1	1307.4	1527.6
20°	1119.5	1131.8	1145.7	1245.8	1489.1
22.5°	1105.6	1097.9	1108.7	1202.7	1436.7
25°	1096.4	1067.1	1079.5	1168.8	1375.1
27.5°	1104.1	1039.4	1044.0	1138.0	1310.5
30°	1105.6	1005.5	1007.1	1105.6	1238.1
32.5°	1094.9	970.1	971.7	1065.6	1156.5
35°	1068.7	928.5	927.0	1019.4	1045.6
37.5°	1033.3	884.0	884.0	968.6	923.9
40°	990.1	839.3	843.9	902.4	816.2
42.5°	937.8	791.6	797.7	814.7	736.1
45°	880.9	745.4	750.0	688.4	674.5
47.5°	817.7	697.6	699.2	571.3	654.5
50°	742.3	648.3	642.2	489.7	653.0
52.5°	676.1	594.4	576.0	443.5	592.9
55°	611.4	537.5	497.4	408.1	549.8
57.5°	554.4	463.5	425.0	366.5	540.5
60°	502.0	391.2	361.9	321.9	495.9
62.5°	458.9	337.3	331.1	291.1	449.7
65°	412.7	300.3	298.8	264.9	381.9
67.5°	368.1	275.7	274.1	240.2	291.1
70°	320.3	249.5	246.4	214.1	215.6
72.5°	271.0	220.2	217.1	192.5	178.6
75°	221.8	186.3	184.8	167.9	144.8
77.5°	174.0	147.8	150.9	135.5	106.3
80°	124.7	107.8	110.9	97.0	80.1
82.5°	83.2	70.8	73.9	61.6	53.9
85°	46.2	40.0	41.6	32.3	24.6
87.5°	21.6	18.5	18.5	12.3	7.7
90°	13.9	8.9	8.2	5.7	3.2
92.5°	86.2	61.3	55.9	34.3	12.7
95°	211.9	119.4	109.5	70.0	30.5
97.5°	285.4	131.1	122.4	87.5	52.7
100°	312.2	140.9	133.0	101.4	69.8
102.5°	324.5	150.8	143.4	114.0	84.5
105°	333.6	165.4	159.2	134.1	109.2
107.5°	335.3	187.0	181.1	157.8	134.6
110°	332.8	199.0	193.8	172.7	151.7

TEST NUMBER: P934324

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	332.9	213.6	208.6	188.6	168.6
115°	336.0	235.5	230.9	212.4	194.0
117.5°	342.2	256.8	252.6	235.8	219.0
120°	347.3	269.2	265.3	249.4	233.6
122.5°	354.5	283.7	279.7	263.8	247.9
125°	364.4	302.5	298.8	284.3	269.8
127.5°	374.2	320.6	316.9	302.2	287.6
130°	381.4	332.6	328.7	312.9	297.1
132.5°	387.2	342.5	338.6	322.7	306.9
135°	393.5	353.9	350.3	336.0	321.6
137.5°	403.1	368.5	365.0	350.7	336.5
140°	408.9	378.4	375.1	362.0	348.8
142.5°	413.8	385.6	382.6	370.4	358.4
145°	420.2	396.8	394.2	383.5	373.0
147.5°	429.4	410.7	408.2	397.9	387.5
150°	434.4	418.0	415.7	406.4	397.1
152.5°	437.5	422.8	421.0	414.0	406.9
155°	444.5	433.3	432.0	426.7	421.5
157.5°	451.5	443.8	442.4	437.4	432.3
160°	454.7	448.5	447.5	443.6	439.6
162.5°	458.1	453.6	452.8	449.9	446.9
165°	462.8	460.8	460.2	457.5	454.8
167.5°	466.7	465.0	464.7	463.4	462.2
170°	469.9	469.8	469.5	468.2	466.9
172.5°	470.1	470.1	470.0	469.8	469.5
175°	472.0	472.9	472.9	472.9	472.9
177.5°	472.2	472.9	472.9	472.9	472.9
180°	472.9	472.9	472.9	472.9	472.9

TEST NUMBER: P934324

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.53	13.47	13.42	14.38	15.53	15.37	16.31	16.26	17.22	18.37
	3H	13.02	13.86	13.91	14.77	15.95	16.73	17.57	17.62	18.48	19.66
	4H	13.21	14.01	14.12	14.93	16.12	17.17	17.97	18.09	18.89	20.08
	6H	13.33	14.07	14.26	14.99	16.20	17.47	18.20	18.39	19.13	20.33
	8H	13.34	14.03	14.27	14.98	16.18	17.54	18.24	18.48	19.19	20.39
	12H	13.31	13.97	14.25	14.91	16.14	17.59	18.25	18.52	19.19	20.41
4H	2H	13.58	14.37	14.50	15.29	16.48	15.79	16.58	16.71	17.51	18.69
	3H	14.61	15.27	15.54	16.23	17.43	17.31	17.97	18.23	18.92	20.12
	4H	14.89	15.49	15.83	16.44	17.67	17.84	18.44	18.78	19.39	20.62
	6H	15.02	15.54	15.97	16.51	17.74	18.21	18.73	19.16	19.70	20.93
	8H	15.03	15.51	15.98	16.48	17.72	18.32	18.81	19.28	19.77	21.01
	12H	15.00	15.44	15.97	16.42	17.67	18.38	18.82	19.36	19.80	21.05
8H	4H	15.35	15.84	16.31	16.80	18.05	17.97	18.45	18.92	19.42	20.66
	6H	15.62	16.02	16.60	17.03	18.27	18.41	18.81	19.39	19.82	21.06
	8H	15.66	16.02	16.65	17.01	18.27	18.56	18.92	19.55	19.91	21.17
	12H	15.65	15.96	16.64	16.95	18.25	18.67	18.98	19.66	19.97	21.27
12H	4H	15.36	15.80	16.34	16.78	18.03	17.94	18.38	18.91	19.36	20.60
	6H	15.68	16.03	16.67	17.03	18.29	18.41	18.76	19.40	19.76	21.02
	8H	15.75	16.06	16.74	17.05	18.36	18.57	18.89	19.57	19.88	21.18

END OF REPORT