

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: P934715

Luminaire Tested: SQ4-FA-075U-075D-835-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934715
REPORT IS A COMBINATION OF REPORTS P933711 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-835-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

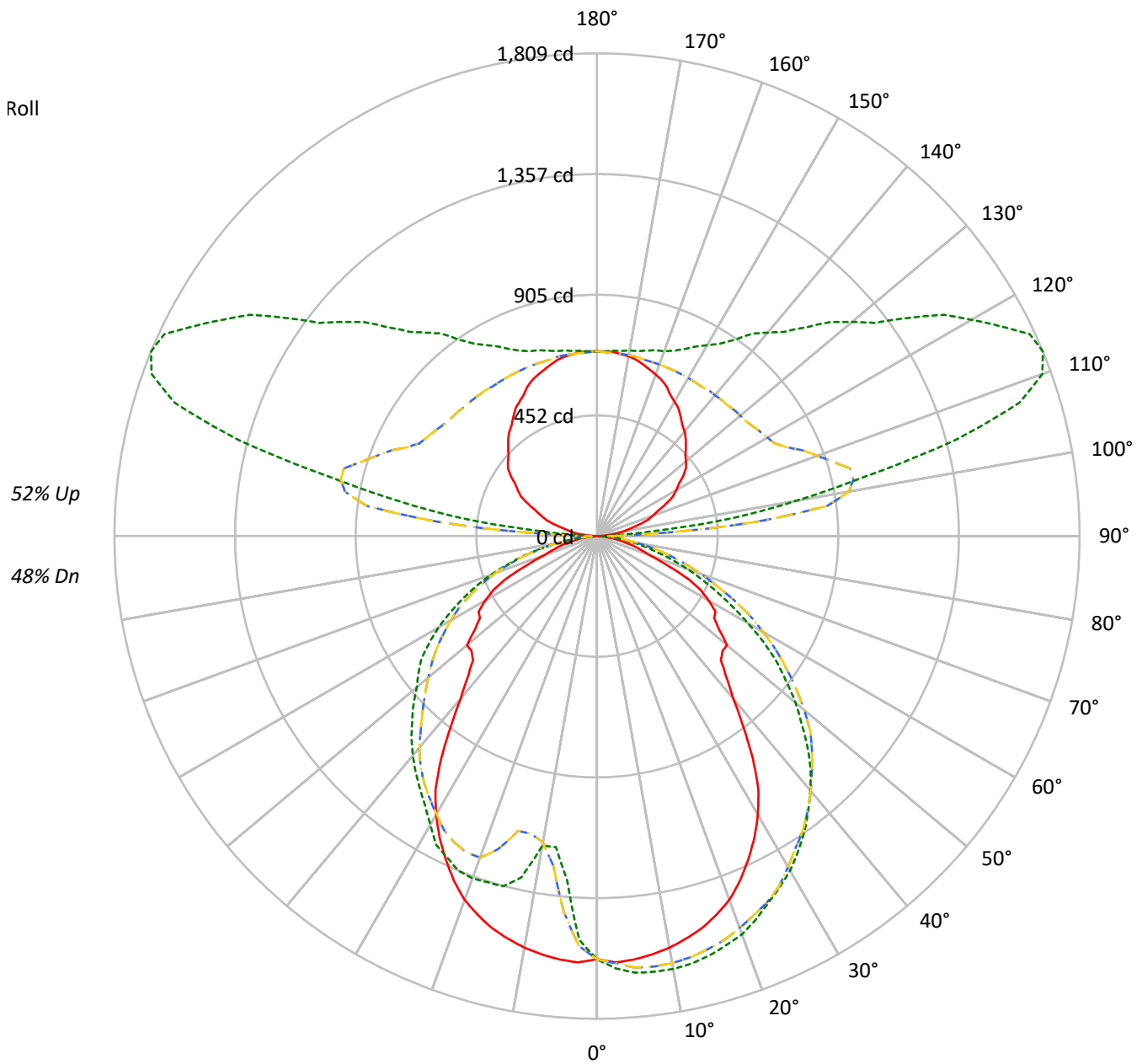
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8604.9 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 63.6
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



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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	82	79	72	70	68	60	58	56	48	47	46	40	40	40	40
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	54	56	51	47	46	43	40	37	35	33	29	29	29	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	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	33	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	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9808	9808	9808	9808
5°	9878	9901	9878	7785
10°	9808	9753	9808	6973
15°	9698	9542	9698	7967
20°	9491	9291	9491	7984
25°	9072	8926	9072	7815
30°	8533	8623	8533	7443
35°	7603	8240	7603	7035
40°	6331	7788	6331	6727
45°	5654	7260	5654	6372
50°	6002	6630	6002	6016
55°	5641	5951	5641	5810
60°	5808	5054	5808	5321
65°	5257	4178	5257	4670
70°	3632	3330	3632	3915
75°	3173	2461	3173	2947
80°	2539	1627	2539	1772
85°	1431	862	1431	733

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8671 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.1	1.7
10°-20°	406.4	4.7
20°-30°	628.2	7.3
30°-40°	749.9	8.7
40°-50°	754.3	8.8
50°-60°	656.3	7.6
60°-70°	465.3	5.4
70°-80°	246.2	2.9
80°-90°	64.0	0.7
90°-100°	337.7	3.9
100°-110°	887.9	10.3
110°-120°	920.6	10.7
120°-130°	738.5	8.6
130°-140°	579.4	6.7
140°-150°	444.7	5.2
150°-160°	320.3	3.7
160°-170°	196.0	2.3
170°-180°	66.2	0.8
0°-30°	1177.6	13.7
0°-40°	1927.5	22.4
0°-60°	3338.1	38.8
0°-90°	4113.6	47.8
90°-120°	2146.2	24.9
90°-150°	3908.9	45.4
90°-180°	4491.0	52.2
0°-180°	8604.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1586	1586	1586	1586	1586	
5°	1593	1642	1593	1292	1593	151
15°	1521	1628	1521	1359	1521	428
25°	1340	1518	1340	1329	1340	615
35°	1018	1354	1018	1156	1018	630
45°	657	1116	657	980	657	526
55°	536	824	536	804	536	492
65°	372	496	372	555	372	356
75°	141	236	141	282	141	148
85°	24	60	24	51	24	32
90°	5	18	5	18	5	5
95°	45	204	45	204	45	50
105°	160	1390	160	1390	160	170
115°	284	1790	284	1790	284	281
125°	395	1426	395	1426	395	351
135°	471	1106	471	1106	471	364
145°	546	897	546	897	546	342
155°	618	773	618	773	618	284
165°	666	720	666	720	666	188
175°	693	698	693	698	693	66
180°	693	693	693	693	693	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5
2.5°	1599.0	1599.0	1608.0	1611.0	1611.0	1606.5	1602.0	1606.5	1620.0	1624.5	1623.0
5°	1593.0	1605.0	1621.5	1624.5	1627.5	1626.0	1623.0	1626.0	1641.0	1644.0	1645.5
7.5°	1581.0	1603.5	1624.5	1629.0	1633.5	1629.0	1627.5	1630.5	1645.5	1648.5	1648.5
10°	1566.0	1597.5	1621.5	1624.5	1629.0	1624.5	1624.5	1630.5	1645.5	1648.5	1650.0
12.5°	1545.0	1588.5	1611.0	1614.0	1620.0	1618.5	1617.0	1623.0	1638.0	1641.0	1641.0
15°	1521.0	1572.0	1593.0	1596.0	1606.5	1603.5	1603.5	1609.5	1626.0	1630.5	1629.0
17.5°	1488.0	1551.0	1575.0	1579.5	1587.0	1585.5	1587.0	1593.0	1608.0	1611.0	1612.5
20°	1450.5	1522.5	1551.0	1555.5	1563.0	1563.0	1563.0	1570.5	1585.5	1591.5	1591.5
22.5°	1399.5	1492.5	1522.5	1525.5	1534.5	1534.5	1537.5	1548.0	1561.5	1563.0	1563.0
25°	1339.5	1459.5	1485.0	1494.0	1503.0	1507.5	1512.0	1518.0	1522.5	1521.0	1522.5
27.5°	1276.5	1417.5	1450.5	1456.5	1468.5	1473.0	1479.0	1480.5	1482.0	1486.5	1483.5
30°	1206.0	1359.0	1408.5	1414.5	1434.0	1437.0	1431.0	1434.0	1441.5	1444.5	1447.5
32.5°	1126.5	1272.0	1365.0	1378.5	1396.5	1387.5	1386.0	1390.5	1402.5	1402.5	1405.5
35°	1018.5	1204.5	1324.5	1336.5	1350.0	1339.5	1345.5	1347.0	1354.5	1359.0	1357.5
37.5°	900.0	1146.0	1282.5	1291.5	1302.0	1288.5	1297.5	1302.0	1308.0	1305.0	1305.0
40°	795.0	1054.5	1233.0	1239.0	1248.0	1237.5	1246.5	1249.5	1252.5	1249.5	1248.0
42.5°	717.0	954.0	1180.5	1188.0	1182.0	1189.5	1192.5	1198.5	1194.0	1188.0	1188.0
45°	657.0	927.0	1123.5	1132.5	1123.5	1135.5	1140.0	1140.0	1126.5	1123.5	1122.0
47.5°	637.5	873.0	1066.5	1066.5	1062.0	1077.0	1084.5	1074.0	1060.5	1056.0	1056.0
50°	636.0	813.0	988.5	982.5	1003.5	1021.5	1014.0	1003.5	993.0	976.5	976.5
52.5°	577.5	739.5	888.0	910.5	943.5	954.0	942.0	931.5	913.5	906.0	900.0
55°	535.5	663.0	796.5	841.5	876.0	889.5	867.0	856.5	829.5	825.0	822.0
57.5°	526.5	552.0	712.5	769.5	811.5	810.0	796.5	777.0	754.5	750.0	748.5
60°	483.0	399.0	622.5	690.0	733.5	729.0	717.0	699.0	678.0	675.0	672.0
62.5°	438.0	289.5	520.5	597.0	658.5	657.0	646.5	619.5	604.5	597.0	591.0
65°	372.0	243.0	370.5	496.5	585.0	588.0	565.5	546.0	529.5	520.5	519.0
67.5°	283.5	198.0	250.5	414.0	514.5	511.5	483.0	474.0	453.0	448.5	439.5
70°	210.0	132.0	174.0	336.0	445.5	438.0	415.5	405.0	385.5	375.0	369.0
72.5°	174.0	106.5	127.5	261.0	375.0	366.0	346.5	334.5	318.0	309.0	303.0
75°	141.0	112.5	97.5	193.5	304.5	298.5	280.5	268.5	255.0	243.0	244.5
77.5°	103.5	105.0	78.0	142.5	241.5	232.5	222.0	207.0	201.0	189.0	189.0
80°	78.0	82.5	58.5	97.5	174.0	174.0	165.0	154.5	144.0	138.0	138.0
82.5°	52.5	52.5	43.5	61.5	118.5	114.0	108.0	105.0	99.0	96.0	96.0
85°	24.0	30.0	27.0	37.5	64.5	67.5	67.5	64.5	63.0	60.0	61.5
87.5°	7.5	13.5	16.5	21.0	33.0	34.5	36.0	36.0	36.0	37.5	37.5
90°	4.6	8.3	12.1	13.0	20.4	30.3	35.3	31.4	23.6	17.7	17.7
92.5°	18.6	50.2	81.8	89.7	126.1	174.7	199.0	174.4	125.2	88.3	84.8
95°	44.6	102.5	160.3	174.8	310.4	491.3	581.7	519.1	393.8	299.9	289.3
97.5°	77.2	128.2	179.2	192.0	418.2	719.7	870.5	830.9	751.8	692.4	672.1
100°	102.3	148.6	194.9	206.5	457.4	792.0	959.3	962.2	968.0	972.3	948.2
102.5°	123.7	166.9	210.1	220.9	475.4	814.7	984.4	1034.8	1135.7	1211.3	1190.6
105°	160.0	196.6	233.2	242.3	488.7	817.3	981.6	1094.6	1320.7	1490.3	1479.2
107.5°	197.2	231.3	265.4	273.9	491.2	780.9	925.8	1083.5	1398.9	1635.4	1638.1
110°	222.3	253.1	283.8	291.5	487.4	748.7	879.3	1055.6	1408.2	1672.6	1684.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	246.9	276.2	305.6	312.9	487.6	720.5	837.0	1017.4	1378.2	1648.8	1666.6
115°	284.1	311.2	338.2	345.0	492.1	688.2	786.3	960.1	1307.7	1568.4	1593.0
117.5°	320.8	345.4	370.0	376.2	501.3	668.0	751.4	908.3	1222.0	1457.3	1484.6
120°	342.2	365.4	388.5	394.3	508.7	661.2	737.5	880.8	1167.4	1382.4	1409.0
122.5°	363.2	386.5	409.9	415.7	519.4	657.7	726.8	855.8	1113.9	1307.5	1333.7
125°	395.2	416.5	437.8	443.1	533.8	654.7	715.2	824.8	1044.1	1208.5	1232.6
127.5°	421.3	442.8	464.2	469.6	548.2	653.0	705.4	799.5	987.8	1129.0	1149.4
130°	435.2	458.4	481.5	487.3	558.8	654.1	701.7	785.5	953.1	1078.8	1097.6
132.5°	449.6	472.8	495.9	501.7	567.3	654.7	698.4	773.4	923.5	1036.0	1052.8
135°	471.0	492.1	513.2	518.5	576.6	654.1	692.8	755.6	881.3	975.5	990.0
137.5°	492.9	513.7	534.6	539.8	590.5	658.1	691.9	745.0	851.2	930.9	942.8
140°	511.0	530.2	549.5	554.3	599.1	658.8	688.6	734.5	826.3	895.1	906.2
142.5°	525.0	542.8	560.6	565.0	606.2	661.1	688.6	728.9	809.5	870.0	879.6
145°	546.4	561.9	577.3	581.2	615.5	661.2	684.0	717.0	782.9	832.3	839.5
147.5°	567.7	582.8	597.9	601.7	629.1	665.7	684.0	709.9	761.8	800.7	806.7
150°	581.7	595.3	609.0	612.4	636.3	668.1	684.0	705.9	749.7	782.6	787.5
152.5°	596.1	606.5	616.8	619.4	640.9	669.6	684.0	702.7	740.1	768.2	771.9
155°	617.5	625.1	632.8	634.7	651.1	673.0	684.0	698.9	728.7	751.0	753.4
157.5°	633.3	640.8	648.2	650.1	661.4	676.5	684.0	695.6	718.7	736.1	737.8
160°	644.0	649.8	655.6	657.0	666.0	678.0	684.0	693.9	713.7	728.6	729.6
162.5°	654.7	659.1	663.4	664.5	671.0	679.7	684.0	692.4	709.1	721.7	722.6
165°	666.3	670.3	674.2	675.2	678.1	682.0	684.0	690.0	702.0	711.0	712.0
167.5°	677.0	678.9	680.7	681.2	683.7	687.0	688.6	692.5	700.4	706.3	706.7
170°	684.0	685.9	687.7	688.2	688.3	688.5	688.6	692.5	700.4	706.3	706.3
172.5°	687.7	688.1	688.5	688.6	688.6	688.6	688.6	691.7	697.9	702.6	702.2
175°	692.8	692.8	692.8	692.8	691.4	689.5	688.6	690.6	694.5	697.5	697.5
177.5°	692.8	692.8	692.8	692.8	691.7	690.3	689.6	691.2	694.3	696.6	696.2
180°	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5
2.5°	1626.0	1621.5	1626.0	1623.0	1624.5	1620.0	1606.5	1602.0	1606.5	1611.0	1611.0
5°	1645.5	1642.5	1645.5	1645.5	1644.0	1641.0	1626.0	1623.0	1626.0	1627.5	1624.5
7.5°	1651.5	1647.0	1651.5	1648.5	1648.5	1645.5	1630.5	1627.5	1629.0	1633.5	1629.0
10°	1651.5	1647.0	1651.5	1650.0	1648.5	1645.5	1630.5	1624.5	1624.5	1629.0	1624.5
12.5°	1644.0	1641.0	1644.0	1641.0	1641.0	1638.0	1623.0	1617.0	1618.5	1620.0	1614.0
15°	1632.0	1627.5	1632.0	1629.0	1630.5	1626.0	1609.5	1603.5	1603.5	1606.5	1596.0
17.5°	1614.0	1608.0	1614.0	1612.5	1611.0	1608.0	1593.0	1587.0	1585.5	1587.0	1579.5
20°	1593.0	1588.5	1593.0	1591.5	1591.5	1585.5	1570.5	1563.0	1563.0	1563.0	1555.5
22.5°	1560.0	1555.5	1560.0	1563.0	1563.0	1561.5	1548.0	1537.5	1534.5	1534.5	1525.5
25°	1522.5	1518.0	1522.5	1522.5	1521.0	1522.5	1518.0	1512.0	1507.5	1503.0	1494.0
27.5°	1486.5	1483.5	1486.5	1483.5	1486.5	1482.0	1480.5	1479.0	1473.0	1468.5	1456.5
30°	1450.5	1447.5	1450.5	1447.5	1444.5	1441.5	1434.0	1431.0	1437.0	1434.0	1414.5
32.5°	1405.5	1402.5	1405.5	1405.5	1402.5	1402.5	1390.5	1386.0	1387.5	1396.5	1378.5
35°	1359.0	1354.5	1359.0	1357.5	1359.0	1354.5	1347.0	1345.5	1339.5	1350.0	1336.5
37.5°	1305.0	1300.5	1305.0	1305.0	1305.0	1308.0	1302.0	1297.5	1288.5	1302.0	1291.5
40°	1249.5	1243.5	1249.5	1248.0	1249.5	1252.5	1249.5	1246.5	1237.5	1248.0	1239.0
42.5°	1186.5	1185.0	1186.5	1188.0	1188.0	1194.0	1198.5	1192.5	1189.5	1182.0	1188.0
45°	1119.0	1116.0	1119.0	1122.0	1123.5	1126.5	1140.0	1140.0	1135.5	1123.5	1132.5
47.5°	1047.0	1039.5	1047.0	1056.0	1056.0	1060.5	1074.0	1084.5	1077.0	1062.0	1066.5
50°	970.5	972.0	970.5	976.5	976.5	993.0	1003.5	1014.0	1021.5	1003.5	982.5
52.5°	895.5	894.0	895.5	900.0	906.0	913.5	931.5	942.0	954.0	943.5	910.5
55°	820.5	823.5	820.5	822.0	825.0	829.5	856.5	867.0	889.5	876.0	841.5
57.5°	745.5	741.0	745.5	748.5	750.0	754.5	777.0	796.5	810.0	811.5	769.5
60°	658.5	652.5	658.5	672.0	675.0	678.0	699.0	717.0	729.0	733.5	690.0
62.5°	582.0	571.5	582.0	591.0	597.0	604.5	619.5	646.5	657.0	658.5	597.0
65°	501.0	496.5	501.0	519.0	520.5	529.5	546.0	565.5	588.0	585.0	496.5
67.5°	427.5	427.5	427.5	439.5	448.5	453.0	474.0	483.0	511.5	514.5	414.0
70°	360.0	358.5	360.0	369.0	375.0	385.5	405.0	415.5	438.0	445.5	336.0
72.5°	295.5	294.0	295.5	303.0	309.0	318.0	334.5	346.5	366.0	375.0	261.0
75°	238.5	235.5	238.5	244.5	243.0	255.0	268.5	280.5	298.5	304.5	193.5
77.5°	183.0	183.0	183.0	189.0	189.0	201.0	207.0	222.0	232.5	241.5	142.5
80°	136.5	135.0	136.5	138.0	138.0	144.0	154.5	165.0	174.0	174.0	97.5
82.5°	96.0	93.0	96.0	96.0	96.0	99.0	105.0	108.0	114.0	118.5	61.5
85°	60.0	60.0	60.0	61.5	60.0	63.0	64.5	67.5	67.5	64.5	37.5
87.5°	39.0	37.5	39.0	37.5	37.5	36.0	36.0	36.0	34.5	33.0	21.0
90°	17.7	17.7	17.7	17.7	17.7	23.6	31.4	35.3	30.3	20.4	13.0
92.5°	70.7	56.7	70.7	84.8	88.3	125.2	174.4	199.0	174.7	126.1	89.7
95°	246.7	204.1	246.7	289.3	299.9	393.8	519.1	581.7	491.3	310.4	174.8
97.5°	591.1	510.1	591.1	672.1	692.4	751.8	830.9	870.5	719.7	418.2	192.0
100°	851.6	755.1	851.6	948.2	972.3	968.0	962.2	959.3	792.0	457.4	206.5
102.5°	1108.0	1025.3	1108.0	1190.6	1211.3	1135.7	1034.8	984.4	814.7	475.4	220.9
105°	1434.7	1390.3	1434.7	1479.2	1490.3	1320.7	1094.6	981.6	817.3	488.7	242.3
107.5°	1648.8	1659.5	1648.8	1638.1	1635.4	1398.9	1083.5	925.8	780.9	491.2	273.9
110°	1730.4	1776.7	1730.4	1684.2	1672.6	1408.2	1055.6	879.3	748.7	487.4	291.5



TEST NUMBER: P934715

CATALOG NUMBER: SQ4-FA-075U-075D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1737.7	1808.8	1737.7	1666.6	1648.8	1378.2	1017.4	837.0	720.5	487.6	312.9
115°	1691.6	1790.2	1691.6	1593.0	1568.4	1307.7	960.1	786.3	688.2	492.1	345.0
117.5°	1593.9	1703.2	1593.9	1484.6	1457.3	1222.0	908.3	751.4	668.0	501.3	376.2
120°	1515.2	1621.4	1515.2	1409.0	1382.4	1167.4	880.8	737.5	661.2	508.7	394.3
122.5°	1438.5	1543.3	1438.5	1333.7	1307.5	1113.9	855.8	726.8	657.7	519.4	415.7
125°	1329.2	1425.7	1329.2	1232.6	1208.5	1044.1	824.8	715.2	654.7	533.8	443.1
127.5°	1230.8	1312.2	1230.8	1149.4	1129.0	987.8	799.5	705.4	653.0	548.2	469.6
130°	1172.8	1248.0	1172.8	1097.6	1078.8	953.1	785.5	701.7	654.1	558.8	487.3
132.5°	1120.2	1187.6	1120.2	1052.8	1036.0	923.5	773.4	698.4	654.7	567.3	501.7
135°	1048.1	1106.2	1048.1	990.0	975.5	881.3	755.6	692.8	654.1	576.6	518.5
137.5°	990.3	1037.9	990.3	942.8	930.9	851.2	745.0	691.9	658.1	590.5	539.8
140°	950.7	995.1	950.7	906.2	895.1	826.3	734.5	688.6	658.8	599.1	554.3
142.5°	917.8	956.0	917.8	879.6	870.0	809.5	728.9	688.6	661.1	606.2	565.0
145°	868.5	897.4	868.5	839.5	832.3	782.9	717.0	684.0	661.2	615.5	581.2
147.5°	830.6	854.6	830.6	806.7	800.7	761.8	709.9	684.0	665.7	629.1	601.7
150°	806.9	826.3	806.9	787.5	782.6	749.7	705.9	684.0	668.1	636.3	612.4
152.5°	786.5	801.2	786.5	771.9	768.2	740.1	702.7	684.0	669.6	640.9	619.4
155°	763.1	772.8	763.1	753.4	751.0	728.7	698.9	684.0	673.0	651.1	634.7
157.5°	744.6	751.4	744.6	737.8	736.1	718.7	695.6	684.0	676.5	661.4	650.1
160°	733.5	737.5	733.5	729.6	728.6	713.7	693.9	684.0	678.0	666.0	657.0
162.5°	726.3	730.0	726.3	722.6	721.7	709.1	692.4	684.0	679.7	671.0	664.5
165°	715.9	719.8	715.9	712.0	711.0	702.0	690.0	684.0	682.0	678.1	675.2
167.5°	708.4	710.0	708.4	706.7	706.3	700.4	692.5	688.6	687.0	683.7	681.2
170°	706.3	706.3	706.3	706.3	706.3	700.4	692.5	688.6	688.5	688.3	688.2
172.5°	700.8	699.3	700.8	702.2	702.6	697.9	691.7	688.6	688.6	688.6	688.6
175°	697.5	697.5	697.5	697.5	697.5	694.5	690.6	688.6	689.5	691.4	692.8
177.5°	694.5	692.8	694.5	696.2	696.6	694.3	691.2	689.6	690.3	691.7	692.8
180°	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8



TEST NUMBER: P934715

CATALOG NUMBER: SQ4-FA-075U-075D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5
2.5°	1608.0	1599.0	1599.0	1584.0	1578.0	1573.5	1566.0	1543.5	1537.5	1531.5	1540.5
5°	1621.5	1605.0	1593.0	1566.0	1543.5	1534.5	1506.0	1452.0	1416.0	1389.0	1374.0
7.5°	1624.5	1603.5	1581.0	1539.0	1485.0	1461.0	1374.0	1275.0	1248.0	1224.0	1209.0
10°	1621.5	1597.5	1566.0	1503.0	1375.5	1333.5	1246.5	1182.0	1165.5	1161.0	1165.5
12.5°	1611.0	1588.5	1545.0	1440.0	1261.5	1233.0	1182.0	1144.5	1141.5	1149.0	1189.5
15°	1593.0	1572.0	1521.0	1356.0	1198.5	1177.5	1141.5	1128.0	1144.5	1197.0	1318.5
17.5°	1575.0	1551.0	1488.0	1273.5	1150.5	1135.5	1110.0	1137.0	1230.0	1300.5	1341.0
20°	1551.0	1522.5	1450.5	1213.5	1116.0	1102.5	1090.5	1212.0	1282.5	1308.0	1330.5
22.5°	1522.5	1492.5	1399.5	1171.5	1080.0	1069.5	1077.0	1254.0	1282.5	1300.5	1320.0
25°	1485.0	1459.5	1339.5	1138.5	1051.5	1039.5	1068.0	1249.5	1266.0	1270.5	1309.5
27.5°	1450.5	1417.5	1276.5	1108.5	1017.0	1012.5	1075.5	1230.0	1242.0	1246.5	1288.5
30°	1408.5	1359.0	1206.0	1077.0	981.0	979.5	1077.0	1206.0	1203.0	1215.0	1257.0
32.5°	1365.0	1272.0	1126.5	1038.0	946.5	945.0	1066.5	1170.0	1167.0	1183.5	1215.0
35°	1324.5	1204.5	1018.5	993.0	903.0	904.5	1041.0	1128.0	1129.5	1144.5	1164.0
37.5°	1282.5	1146.0	900.0	943.5	861.0	861.0	1006.5	1089.0	1086.0	1090.5	1117.5
40°	1233.0	1054.5	795.0	879.0	822.0	817.5	964.5	1047.0	1036.5	1035.0	1072.5
42.5°	1180.5	954.0	717.0	793.5	777.0	771.0	913.5	996.0	976.5	981.0	1029.0
45°	1123.5	927.0	657.0	670.5	730.5	726.0	858.0	937.5	924.0	936.0	985.5
47.5°	1066.5	873.0	637.5	556.5	681.0	679.5	796.5	880.5	873.0	885.0	937.5
50°	988.5	813.0	636.0	477.0	625.5	631.5	723.0	825.0	825.0	835.5	891.0
52.5°	888.0	739.5	577.5	432.0	561.0	579.0	658.5	777.0	780.0	790.5	840.0
55°	796.5	663.0	535.5	397.5	484.5	523.5	595.5	727.5	733.5	744.0	789.0
57.5°	712.5	552.0	526.5	357.0	414.0	451.5	540.0	679.5	682.5	691.5	735.0
60°	622.5	399.0	483.0	313.5	352.5	381.0	489.0	622.5	633.0	639.0	676.5
62.5°	520.5	289.5	438.0	283.5	322.5	328.5	447.0	568.5	582.0	586.5	609.0
65°	370.5	243.0	372.0	258.0	291.0	292.5	402.0	513.0	525.0	532.5	549.0
67.5°	250.5	198.0	283.5	234.0	267.0	268.5	358.5	448.5	465.0	471.0	481.5
70°	174.0	132.0	210.0	208.5	240.0	243.0	312.0	390.0	405.0	409.5	415.5
72.5°	127.5	106.5	174.0	187.5	211.5	214.5	264.0	324.0	339.0	343.5	346.5
75°	97.5	112.5	141.0	163.5	180.0	181.5	216.0	264.0	274.5	277.5	279.0
77.5°	78.0	105.0	103.5	132.0	147.0	144.0	169.5	204.0	213.0	213.0	213.0
80°	58.5	82.5	78.0	94.5	108.0	105.0	121.5	145.5	148.5	151.5	150.0
82.5°	43.5	52.5	52.5	60.0	72.0	69.0	81.0	94.5	94.5	94.5	97.5
85°	27.0	30.0	24.0	31.5	40.5	39.0	45.0	51.0	52.5	52.5	49.5
87.5°	16.5	13.5	7.5	12.0	18.0	18.0	21.0	22.5	21.0	21.0	21.0
90°	12.1	8.3	4.6	8.3	12.1	13.0	20.4	30.3	35.3	31.4	23.6
92.5°	81.8	50.2	18.6	50.2	81.8	89.7	126.1	174.7	199.0	174.4	125.2
95°	160.3	102.5	44.6	102.5	160.3	174.8	310.4	491.3	581.7	519.1	393.8
97.5°	179.2	128.2	77.2	128.2	179.2	192.0	418.2	719.7	870.5	830.9	751.8
100°	194.9	148.6	102.3	148.6	194.9	206.5	457.4	792.0	959.3	962.2	968.0
102.5°	210.1	166.9	123.7	166.9	210.1	220.9	475.4	814.7	984.4	1034.8	1135.7
105°	233.2	196.6	160.0	196.6	233.2	242.3	488.7	817.3	981.6	1094.6	1320.7
107.5°	265.4	231.3	197.2	231.3	265.4	273.9	491.2	780.9	925.8	1083.5	1398.9
110°	283.8	253.1	222.3	253.1	283.8	291.5	487.4	748.7	879.3	1055.6	1408.2



TEST NUMBER: P934715

CATALOG NUMBER: SQ4-FA-075U-075D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	305.6	276.2	246.9	276.2	305.6	312.9	487.6	720.5	837.0	1017.4	1378.2
115°	338.2	311.2	284.1	311.2	338.2	345.0	492.1	688.2	786.3	960.1	1307.7
117.5°	370.0	345.4	320.8	345.4	370.0	376.2	501.3	668.0	751.4	908.3	1222.0
120°	388.5	365.4	342.2	365.4	388.5	394.3	508.7	661.2	737.5	880.8	1167.4
122.5°	409.9	386.5	363.2	386.5	409.9	415.7	519.4	657.7	726.8	855.8	1113.9
125°	437.8	416.5	395.2	416.5	437.8	443.1	533.8	654.7	715.2	824.8	1044.1
127.5°	464.2	442.8	421.3	442.8	464.2	469.6	548.2	653.0	705.4	799.5	987.8
130°	481.5	458.4	435.2	458.4	481.5	487.3	558.8	654.1	701.7	785.5	953.1
132.5°	495.9	472.8	449.6	472.8	495.9	501.7	567.3	654.7	698.4	773.4	923.5
135°	513.2	492.1	471.0	492.1	513.2	518.5	576.6	654.1	692.8	755.6	881.3
137.5°	534.6	513.7	492.9	513.7	534.6	539.8	590.5	658.1	691.9	745.0	851.2
140°	549.5	530.2	511.0	530.2	549.5	554.3	599.1	658.8	688.6	734.5	826.3
142.5°	560.6	542.8	525.0	542.8	560.6	565.0	606.2	661.1	688.6	728.9	809.5
145°	577.3	561.9	546.4	561.9	577.3	581.2	615.5	661.2	684.0	717.0	782.9
147.5°	597.9	582.8	567.7	582.8	597.9	601.7	629.1	665.7	684.0	709.9	761.8
150°	609.0	595.3	581.7	595.3	609.0	612.4	636.3	668.1	684.0	705.9	749.7
152.5°	616.8	606.5	596.1	606.5	616.8	619.4	640.9	669.6	684.0	702.7	740.1
155°	632.8	625.1	617.5	625.1	632.8	634.7	651.1	673.0	684.0	698.9	728.7
157.5°	648.2	640.8	633.3	640.8	648.2	650.1	661.4	676.5	684.0	695.6	718.7
160°	655.6	649.8	644.0	649.8	655.6	657.0	666.0	678.0	684.0	693.9	713.7
162.5°	663.4	659.1	654.7	659.1	663.4	664.5	671.0	679.7	684.0	692.4	709.1
165°	674.2	670.3	666.3	670.3	674.2	675.2	678.1	682.0	684.0	690.0	702.0
167.5°	680.7	678.9	677.0	678.9	680.7	681.2	683.7	687.0	688.6	692.5	700.4
170°	687.7	685.9	684.0	685.9	687.7	688.2	688.3	688.5	688.6	692.5	700.4
172.5°	688.5	688.1	687.7	688.1	688.5	688.6	688.6	688.6	688.6	691.7	697.9
175°	692.8	692.8	692.8	692.8	692.8	692.8	691.4	689.5	688.6	690.6	694.5
177.5°	692.8	692.8	692.8	692.8	692.8	692.8	691.7	690.3	689.6	691.2	694.3
180°	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8



TEST NUMBER: P934715
 CATALOG NUMBER: SQ4-FA-075U-075D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5	1585.5
2.5°	1530.0	1525.5	1531.5	1515.0	1531.5	1525.5	1530.0	1540.5	1531.5	1537.5	1543.5
5°	1342.5	1335.0	1311.0	1291.5	1311.0	1335.0	1342.5	1374.0	1389.0	1416.0	1452.0
7.5°	1200.0	1194.0	1188.0	1176.0	1188.0	1194.0	1200.0	1209.0	1224.0	1248.0	1275.0
10°	1168.5	1170.0	1179.0	1177.5	1179.0	1170.0	1168.5	1165.5	1161.0	1165.5	1182.0
12.5°	1249.5	1263.0	1312.5	1309.5	1312.5	1263.0	1249.5	1189.5	1149.0	1141.5	1144.5
15°	1342.5	1347.0	1357.5	1359.0	1357.5	1347.0	1342.5	1318.5	1197.0	1144.5	1128.0
17.5°	1351.5	1353.0	1360.5	1360.5	1360.5	1353.0	1351.5	1341.0	1300.5	1230.0	1137.0
20°	1344.0	1347.0	1362.0	1365.0	1362.0	1347.0	1344.0	1330.5	1308.0	1282.5	1212.0
22.5°	1341.0	1347.0	1359.0	1357.5	1359.0	1347.0	1341.0	1320.0	1300.5	1282.5	1254.0
25°	1326.0	1326.0	1327.5	1329.0	1327.5	1326.0	1326.0	1309.5	1270.5	1266.0	1249.5
27.5°	1294.5	1297.5	1306.5	1305.0	1306.5	1297.5	1294.5	1288.5	1246.5	1242.0	1230.0
30°	1266.0	1263.0	1255.5	1249.5	1255.5	1263.0	1266.0	1257.0	1215.0	1203.0	1206.0
32.5°	1218.0	1210.5	1203.0	1198.5	1203.0	1210.5	1218.0	1215.0	1183.5	1167.0	1170.0
35°	1161.0	1162.5	1161.0	1156.5	1161.0	1162.5	1161.0	1164.0	1144.5	1129.5	1128.0
37.5°	1120.5	1123.5	1122.0	1116.0	1122.0	1123.5	1120.5	1117.5	1090.5	1086.0	1089.0
40°	1078.5	1080.0	1078.5	1074.0	1078.5	1080.0	1078.5	1072.5	1035.0	1036.5	1047.0
42.5°	1038.0	1036.5	1032.0	1029.0	1032.0	1036.5	1038.0	1029.0	981.0	976.5	996.0
45°	991.5	993.0	984.0	979.5	984.0	993.0	991.5	985.5	936.0	924.0	937.5
47.5°	945.0	945.0	937.5	933.0	937.5	945.0	945.0	937.5	885.0	873.0	880.5
50°	895.5	894.0	883.5	882.0	883.5	894.0	895.5	891.0	835.5	825.0	825.0
52.5°	838.5	838.5	840.0	843.0	840.0	838.5	838.5	840.0	790.5	780.0	777.0
55°	789.0	790.5	801.0	804.0	801.0	790.5	789.0	789.0	744.0	733.5	727.5
57.5°	738.0	738.0	745.5	745.5	745.5	738.0	738.0	735.0	691.5	682.5	679.5
60°	679.5	682.5	688.5	687.0	688.5	682.5	679.5	676.5	639.0	633.0	622.5
62.5°	618.0	621.0	622.5	619.5	622.5	621.0	618.0	609.0	586.5	582.0	568.5
65°	553.5	556.5	558.0	555.0	558.0	556.5	553.5	549.0	532.5	525.0	513.0
67.5°	487.5	486.0	484.5	490.5	484.5	486.0	487.5	481.5	471.0	465.0	448.5
70°	420.0	420.0	418.5	421.5	418.5	420.0	420.0	415.5	409.5	405.0	390.0
72.5°	348.0	346.5	352.5	348.0	352.5	346.5	348.0	346.5	343.5	339.0	324.0
75°	277.5	280.5	277.5	282.0	277.5	280.5	277.5	279.0	277.5	274.5	264.0
77.5°	211.5	214.5	211.5	211.5	211.5	214.5	211.5	213.0	213.0	213.0	204.0
80°	150.0	148.5	148.5	147.0	148.5	148.5	150.0	150.0	151.5	148.5	145.5
82.5°	96.0	94.5	94.5	97.5	94.5	94.5	96.0	97.5	94.5	94.5	94.5
85°	52.5	54.0	51.0	51.0	51.0	54.0	52.5	49.5	52.5	52.5	51.0
87.5°	19.5	18.0	18.0	18.0	18.0	18.0	19.5	21.0	21.0	21.0	22.5
90°	17.7	17.7	17.7	17.7	17.7	17.7	17.7	23.6	31.4	35.3	30.3
92.5°	88.3	84.8	70.7	56.7	70.7	84.8	88.3	125.2	174.4	199.0	174.7
95°	299.9	289.3	246.7	204.1	246.7	289.3	299.9	393.8	519.1	581.7	491.3
97.5°	692.4	672.1	591.1	510.1	591.1	672.1	692.4	751.8	830.9	870.5	719.7
100°	972.3	948.2	851.6	755.1	851.6	948.2	972.3	968.0	962.2	959.3	792.0
102.5°	1211.3	1190.6	1108.0	1025.3	1108.0	1190.6	1211.3	1135.7	1034.8	984.4	814.7
105°	1490.3	1479.2	1434.7	1390.3	1434.7	1479.2	1490.3	1320.7	1094.6	981.6	817.3
107.5°	1635.4	1638.1	1648.8	1659.5	1648.8	1638.1	1635.4	1398.9	1083.5	925.8	780.9
110°	1672.6	1684.2	1730.4	1776.7	1730.4	1684.2	1672.6	1408.2	1055.6	879.3	748.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1648.8	1666.6	1737.7	1808.8	1737.7	1666.6	1648.8	1378.2	1017.4	837.0	720.5
115°	1568.4	1593.0	1691.6	1790.2	1691.6	1593.0	1568.4	1307.7	960.1	786.3	688.2
117.5°	1457.3	1484.6	1593.9	1703.2	1593.9	1484.6	1457.3	1222.0	908.3	751.4	668.0
120°	1382.4	1409.0	1515.2	1621.4	1515.2	1409.0	1382.4	1167.4	880.8	737.5	661.2
122.5°	1307.5	1333.7	1438.5	1543.3	1438.5	1333.7	1307.5	1113.9	855.8	726.8	657.7
125°	1208.5	1232.6	1329.2	1425.7	1329.2	1232.6	1208.5	1044.1	824.8	715.2	654.7
127.5°	1129.0	1149.4	1230.8	1312.2	1230.8	1149.4	1129.0	987.8	799.5	705.4	653.0
130°	1078.8	1097.6	1172.8	1248.0	1172.8	1097.6	1078.8	953.1	785.5	701.7	654.1
132.5°	1036.0	1052.8	1120.2	1187.6	1120.2	1052.8	1036.0	923.5	773.4	698.4	654.7
135°	975.5	990.0	1048.1	1106.2	1048.1	990.0	975.5	881.3	755.6	692.8	654.1
137.5°	930.9	942.8	990.3	1037.9	990.3	942.8	930.9	851.2	745.0	691.9	658.1
140°	895.1	906.2	950.7	995.1	950.7	906.2	895.1	826.3	734.5	688.6	658.8
142.5°	870.0	879.6	917.8	956.0	917.8	879.6	870.0	809.5	728.9	688.6	661.1
145°	832.3	839.5	868.5	897.4	868.5	839.5	832.3	782.9	717.0	684.0	661.2
147.5°	800.7	806.7	830.6	854.6	830.6	806.7	800.7	761.8	709.9	684.0	665.7
150°	782.6	787.5	806.9	826.3	806.9	787.5	782.6	749.7	705.9	684.0	668.1
152.5°	768.2	771.9	786.5	801.2	786.5	771.9	768.2	740.1	702.7	684.0	669.6
155°	751.0	753.4	763.1	772.8	763.1	753.4	751.0	728.7	698.9	684.0	673.0
157.5°	736.1	737.8	744.6	751.4	744.6	737.8	736.1	718.7	695.6	684.0	676.5
160°	728.6	729.6	733.5	737.5	733.5	729.6	728.6	713.7	693.9	684.0	678.0
162.5°	721.7	722.6	726.3	730.0	726.3	722.6	721.7	709.1	692.4	684.0	679.7
165°	711.0	712.0	715.9	719.8	715.9	712.0	711.0	702.0	690.0	684.0	682.0
167.5°	706.3	706.7	708.4	710.0	708.4	706.7	706.3	700.4	692.5	688.6	687.0
170°	706.3	706.3	706.3	706.3	706.3	706.3	706.3	700.4	692.5	688.6	688.5
172.5°	702.6	702.2	700.8	699.3	700.8	702.2	702.6	697.9	691.7	688.6	688.6
175°	697.5	697.5	697.5	697.5	697.5	697.5	697.5	694.5	690.6	688.6	689.5
177.5°	696.6	696.2	694.5	692.8	694.5	696.2	696.6	694.3	691.2	689.6	690.3
180°	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8	692.8



TEST NUMBER: P934715
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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1585.5	1585.5	1585.5	1585.5	1585.5
2.5°	1566.0	1573.5	1578.0	1584.0	1599.0
5°	1506.0	1534.5	1543.5	1566.0	1593.0
7.5°	1374.0	1461.0	1485.0	1539.0	1581.0
10°	1246.5	1333.5	1375.5	1503.0	1566.0
12.5°	1182.0	1233.0	1261.5	1440.0	1545.0
15°	1141.5	1177.5	1198.5	1356.0	1521.0
17.5°	1110.0	1135.5	1150.5	1273.5	1488.0
20°	1090.5	1102.5	1116.0	1213.5	1450.5
22.5°	1077.0	1069.5	1080.0	1171.5	1399.5
25°	1068.0	1039.5	1051.5	1138.5	1339.5
27.5°	1075.5	1012.5	1017.0	1108.5	1276.5
30°	1077.0	979.5	981.0	1077.0	1206.0
32.5°	1066.5	945.0	946.5	1038.0	1126.5
35°	1041.0	904.5	903.0	993.0	1018.5
37.5°	1006.5	861.0	861.0	943.5	900.0
40°	964.5	817.5	822.0	879.0	795.0
42.5°	913.5	771.0	777.0	793.5	717.0
45°	858.0	726.0	730.5	670.5	657.0
47.5°	796.5	679.5	681.0	556.5	637.5
50°	723.0	631.5	625.5	477.0	636.0
52.5°	658.5	579.0	561.0	432.0	577.5
55°	595.5	523.5	484.5	397.5	535.5
57.5°	540.0	451.5	414.0	357.0	526.5
60°	489.0	381.0	352.5	313.5	483.0
62.5°	447.0	328.5	322.5	283.5	438.0
65°	402.0	292.5	291.0	258.0	372.0
67.5°	358.5	268.5	267.0	234.0	283.5
70°	312.0	243.0	240.0	208.5	210.0
72.5°	264.0	214.5	211.5	187.5	174.0
75°	216.0	181.5	180.0	163.5	141.0
77.5°	169.5	144.0	147.0	132.0	103.5
80°	121.5	105.0	108.0	94.5	78.0
82.5°	81.0	69.0	72.0	60.0	52.5
85°	45.0	39.0	40.5	31.5	24.0
87.5°	21.0	18.0	18.0	12.0	7.5
90°	20.4	13.0	12.1	8.3	4.6
92.5°	126.1	89.7	81.8	50.2	18.6
95°	310.4	174.8	160.3	102.5	44.6
97.5°	418.2	192.0	179.2	128.2	77.2
100°	457.4	206.5	194.9	148.6	102.3
102.5°	475.4	220.9	210.1	166.9	123.7
105°	488.7	242.3	233.2	196.6	160.0
107.5°	491.2	273.9	265.4	231.3	197.2
110°	487.4	291.5	283.8	253.1	222.3



TEST NUMBER: P934715

CATALOG NUMBER: SQ4-FA-075U-075D-835-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	487.6	312.9	305.6	276.2	246.9
115°	492.1	345.0	338.2	311.2	284.1
117.5°	501.3	376.2	370.0	345.4	320.8
120°	508.7	394.3	388.5	365.4	342.2
122.5°	519.4	415.7	409.9	386.5	363.2
125°	533.8	443.1	437.8	416.5	395.2
127.5°	548.2	469.6	464.2	442.8	421.3
130°	558.8	487.3	481.5	458.4	435.2
132.5°	567.3	501.7	495.9	472.8	449.6
135°	576.6	518.5	513.2	492.1	471.0
137.5°	590.5	539.8	534.6	513.7	492.9
140°	599.1	554.3	549.5	530.2	511.0
142.5°	606.2	565.0	560.6	542.8	525.0
145°	615.5	581.2	577.3	561.9	546.4
147.5°	629.1	601.7	597.9	582.8	567.7
150°	636.3	612.4	609.0	595.3	581.7
152.5°	640.9	619.4	616.8	606.5	596.1
155°	651.1	634.7	632.8	625.1	617.5
157.5°	661.4	650.1	648.2	640.8	633.3
160°	666.0	657.0	655.6	649.8	644.0
162.5°	671.0	664.5	663.4	659.1	654.7
165°	678.1	675.2	674.2	670.3	666.3
167.5°	683.7	681.2	680.7	678.9	677.0
170°	688.3	688.2	687.7	685.9	684.0
172.5°	688.6	688.6	688.5	688.1	687.7
175°	691.4	692.8	692.8	692.8	692.8
177.5°	691.7	692.8	692.8	692.8	692.8
180°	692.8	692.8	692.8	692.8	692.8



TEST NUMBER: P934715
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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	13.37	13.50	14.36	15.66	15.35	16.19	16.33	17.18	18.49
	3H	13.00	13.76	13.99	14.76	16.08	16.70	17.45	17.68	18.45	19.77
	4H	13.19	13.91	14.19	14.91	16.24	17.14	17.85	18.14	18.85	20.19
	6H	13.31	13.97	14.32	14.98	16.32	17.42	18.08	18.43	19.08	20.43
	8H	13.31	13.94	14.33	14.96	16.30	17.49	18.12	18.51	19.14	20.48
	12H	13.28	13.88	14.31	14.90	16.26	17.53	18.13	18.55	19.14	20.51
4H	2H	13.56	14.27	14.56	15.27	16.61	15.76	16.47	16.77	17.48	18.81
	3H	14.58	15.18	15.60	16.21	17.55	17.26	17.86	18.28	18.89	20.23
	4H	14.86	15.40	15.88	16.43	17.79	17.79	18.33	18.81	19.36	20.72
	6H	14.98	15.45	16.02	16.50	17.86	18.15	18.62	19.19	19.67	21.03
	8H	14.99	15.42	16.02	16.46	17.84	18.26	18.69	19.29	19.73	21.11
	12H	14.95	15.35	16.01	16.40	17.79	18.31	18.71	19.36	19.76	21.15
8H	4H	15.31	15.75	16.34	16.79	18.17	17.91	18.35	18.95	19.39	20.77
	6H	15.57	15.93	16.63	17.01	18.39	18.35	18.71	19.40	19.79	21.17
	8H	15.61	15.93	16.68	17.00	18.39	18.50	18.81	19.56	19.88	21.28
	12H	15.60	15.88	16.67	16.94	18.37	18.59	18.87	19.66	19.93	21.37
12H	4H	15.31	15.71	16.37	16.76	18.15	17.88	18.27	18.93	19.32	20.71
	6H	15.63	15.95	16.70	17.01	18.41	18.34	18.66	19.41	19.73	21.12
	8H	15.70	15.98	16.77	17.04	18.47	18.50	18.78	19.57	19.84	21.28