

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: P935811

Luminaire Tested: SQ4-FA-150U-050D-830-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935811
REPORT IS A COMBINATION OF REPORTS P933771 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-830-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

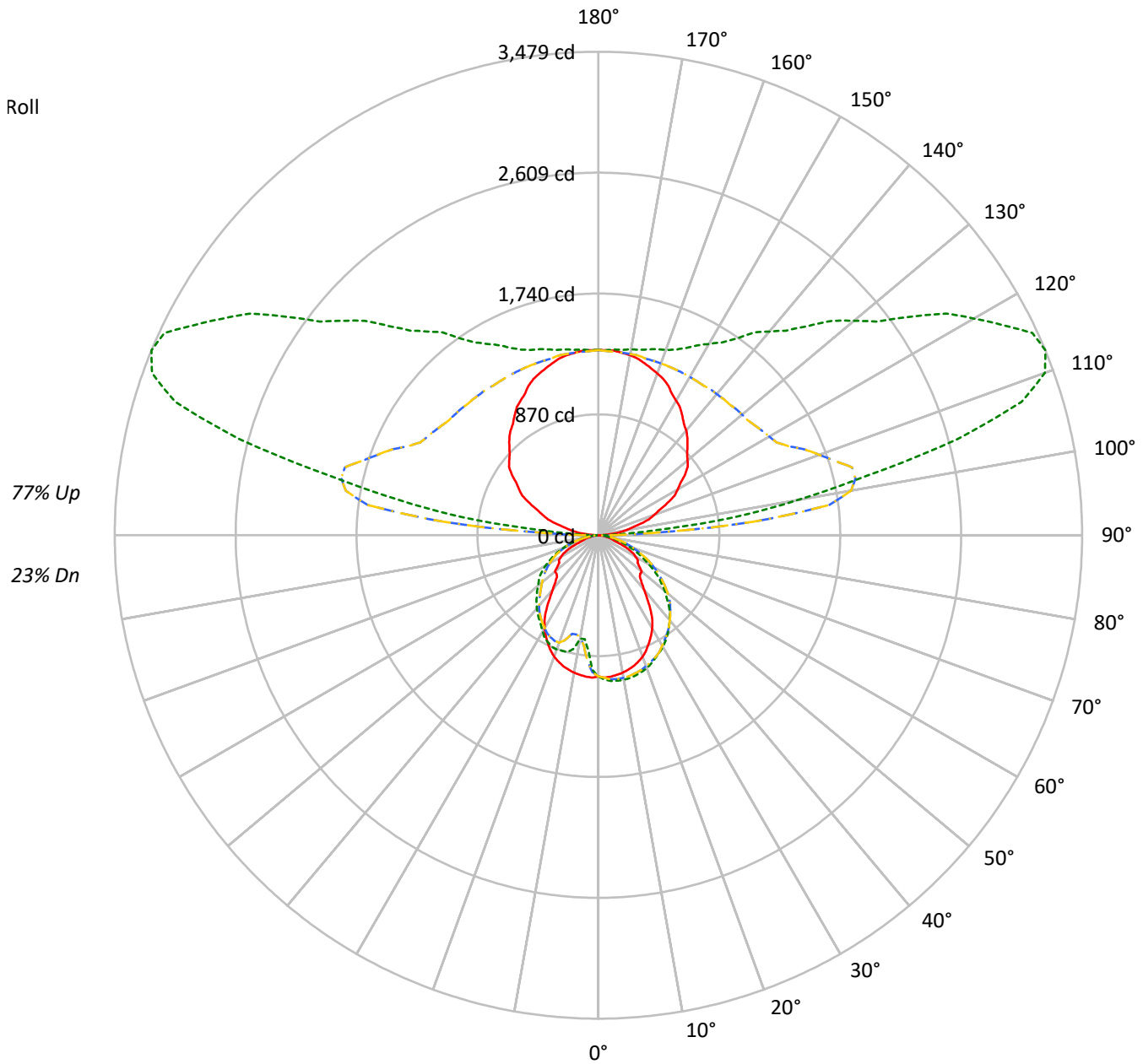
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11279.8 lumens
Efficiency: N/A
Efficacy: 135.2 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: Semi-Indirect

Input Watts (W): 83.4
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				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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	27	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	23	23	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	19	19	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	16	16	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	14	14	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	12	12	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	11	11	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	10	10	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	9	9	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	8	8	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6288	6288	6288	6288
5°	6333	6347	6333	4991
10°	6288	6253	6288	4471
15°	6218	6118	6218	5108
20°	6085	5957	6085	5119
25°	5817	5723	5817	5010
30°	5470	5529	5470	4772
35°	4875	5283	4875	4511
40°	4059	4994	4059	4313
45°	3624	4655	3624	4085
50°	3847	4251	3847	3857
55°	3616	3816	3616	3725
60°	3723	3240	3723	3411
65°	3371	2678	3371	2994
70°	2328	2134	2328	2510
75°	2034	1578	2034	1890
80°	1627	1043	1627	1137
85°	918	552	918	470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5559 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.8	0.8
10°-20°	260.5	2.3
20°-30°	402.7	3.6
30°-40°	480.8	4.3
40°-50°	483.6	4.3
50°-60°	420.8	3.7
60°-70°	298.3	2.6
70°-80°	157.8	1.4
80°-90°	44.4	0.4
90°-100°	649.6	5.8
100°-110°	1707.8	15.1
110°-120°	1770.8	15.7
120°-130°	1420.4	12.6
130°-140°	1114.5	9.9
140°-150°	855.5	7.6
150°-160°	616.1	5.5
160°-170°	376.9	3.3
170°-180°	127.4	1.1
0°-30°	755.0	6.7
0°-40°	1235.8	11.0
0°-60°	2140.2	19.0
0°-90°	2640.8	23.4
90°-120°	4128.3	36.6
90°-150°	7518.7	66.7
90°-180°	8639.0	76.6
0°-180°	11279.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1016	1016	1016	1016	1016	
5°	1021	1053	1021	828	1021	97
15°	975	1044	975	871	975	274
25°	859	973	859	852	859	394
35°	653	868	653	742	653	404
45°	421	716	421	628	421	337
55°	343	528	343	516	343	315
65°	238	318	238	356	238	228
75°	90	151	90	181	90	95
85°	15	38	15	33	15	21
90°	9	34	9	34	9	8
95°	86	393	86	393	86	95
105°	308	2674	308	2674	308	326
115°	546	3443	546	3443	546	540
125°	760	2742	760	2742	760	675
135°	906	2128	906	2128	906	701
145°	1051	1726	1051	1726	1051	658
155°	1188	1486	1188	1486	1188	546
165°	1282	1384	1282	1384	1282	362
175°	1333	1342	1333	1342	1333	127
180°	1333	1333	1333	1333	1333	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5
2.5°	1025.2	1025.2	1031.0	1032.9	1032.9	1030.0	1027.1	1030.0	1038.7	1041.6	1040.6
5°	1021.3	1029.0	1039.6	1041.6	1043.5	1042.5	1040.6	1042.5	1052.1	1054.1	1055.0
7.5°	1013.6	1028.1	1041.6	1044.4	1047.3	1044.4	1043.5	1045.4	1055.0	1057.0	1057.0
10°	1004.0	1024.3	1039.6	1041.6	1044.4	1041.6	1041.6	1045.4	1055.0	1057.0	1057.9
12.5°	990.6	1018.4	1032.9	1034.8	1038.7	1037.7	1036.7	1040.6	1050.2	1052.1	1052.1
15°	975.2	1007.9	1021.3	1023.3	1030.0	1028.1	1028.1	1031.9	1042.5	1045.4	1044.4
17.5°	954.0	994.4	1009.8	1012.7	1017.5	1016.5	1017.5	1021.3	1031.0	1032.9	1033.8
20°	930.0	976.2	994.4	997.3	1002.1	1002.1	1002.1	1007.0	1016.5	1020.3	1020.3
22.5°	897.3	956.9	976.2	978.1	983.8	983.8	985.7	992.5	1001.1	1002.1	1002.1
25°	858.8	935.7	952.1	957.9	963.6	966.5	969.4	973.3	976.2	975.2	976.2
27.5°	818.4	908.8	930.0	933.8	941.6	944.4	948.3	949.2	950.2	953.0	951.1
30°	773.2	871.3	903.0	906.9	919.4	921.3	917.5	919.4	924.2	926.2	928.1
32.5°	722.3	815.6	875.1	883.8	895.4	889.6	888.6	891.5	899.2	899.2	901.1
35°	653.0	772.3	849.2	856.9	865.6	858.8	862.7	863.7	868.4	871.3	870.3
37.5°	577.0	734.8	822.3	828.0	834.8	826.1	831.9	834.8	838.6	836.7	836.7
40°	509.7	676.1	790.5	794.3	800.2	793.4	799.2	801.1	803.0	801.1	800.2
42.5°	459.7	611.6	756.9	761.6	757.8	762.6	764.6	768.4	765.6	761.6	761.6
45°	421.2	594.3	720.3	726.1	720.3	728.0	730.9	730.9	722.3	720.3	719.4
47.5°	408.7	559.7	683.8	683.8	680.9	690.5	695.3	688.6	679.9	677.0	677.0
50°	407.7	521.2	633.7	629.9	643.4	655.0	650.1	643.4	636.7	626.1	626.1
52.5°	370.3	474.1	569.3	583.7	605.0	611.6	604.0	597.2	585.6	580.9	577.0
55°	343.3	425.0	510.7	539.6	561.6	570.3	555.9	549.1	531.8	529.0	527.0
57.5°	337.6	353.9	456.8	493.4	520.3	519.3	510.7	498.2	483.7	480.9	479.9
60°	309.6	255.8	399.1	442.4	470.3	467.4	459.7	448.2	434.7	432.8	430.9
62.5°	280.8	185.7	333.7	382.8	422.2	421.2	414.5	397.2	387.6	382.8	379.0
65°	238.5	155.8	237.6	318.3	375.0	377.0	362.6	350.1	339.5	333.7	332.8
67.5°	181.7	127.0	160.6	265.5	329.9	327.9	309.6	303.9	290.4	287.6	281.8
70°	134.6	84.6	111.6	215.4	285.7	280.8	266.4	259.6	247.1	240.4	236.6
72.5°	111.6	68.3	81.7	167.3	240.4	234.7	222.2	214.4	203.9	198.1	194.3
75°	90.4	72.1	62.5	124.1	195.2	191.4	179.8	172.2	163.5	155.8	156.8
77.5°	66.3	67.3	50.0	91.4	154.9	149.0	142.3	132.7	128.9	121.2	121.2
80°	50.0	52.9	37.5	62.5	111.6	111.6	105.8	99.0	92.3	88.5	88.5
82.5°	33.7	33.7	27.9	39.4	76.0	73.1	69.2	67.3	63.5	61.6	61.6
85°	15.4	19.2	17.3	24.0	41.4	43.3	43.3	41.4	40.4	38.4	39.4
87.5°	4.8	8.7	10.6	13.5	21.1	22.1	23.0	23.0	23.0	24.0	24.0
90°	9.0	16.2	23.2	25.0	39.4	58.4	68.0	60.4	45.3	34.0	34.0
92.5°	35.8	96.6	157.5	172.7	242.7	336.1	382.8	335.5	240.9	170.0	163.2
95°	85.8	197.1	308.5	336.3	597.2	945.0	1118.9	998.4	757.5	576.9	556.4
97.5°	148.5	246.6	344.8	369.4	804.4	1384.4	1674.3	1598.2	1446.0	1331.8	1292.8
100°	196.7	285.8	374.8	397.1	879.8	1523.4	1845.2	1850.7	1861.9	1870.2	1823.9
102.5°	237.9	321.0	404.1	424.8	914.4	1567.1	1893.5	1990.4	2184.4	2329.9	2290.1
105°	307.6	378.0	448.4	466.0	940.0	1572.0	1888.1	2105.5	2540.4	2866.6	2845.2
107.5°	379.2	444.8	510.4	526.8	944.7	1502.1	1780.7	2084.1	2690.7	3145.6	3150.8
110°	427.5	486.8	546.0	560.8	937.6	1440.0	1691.3	2030.4	2708.5	3217.1	3239.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	474.9	531.3	587.7	601.9	937.9	1385.9	1609.9	1956.9	2651.0	3171.5	3205.8
115°	546.4	598.6	650.7	663.7	946.5	1323.8	1512.4	1846.7	2515.3	3016.8	3064.2
117.5°	617.1	664.4	711.7	723.6	964.2	1285.0	1445.4	1747.1	2350.4	2803.0	2855.6
120°	658.3	702.9	747.4	758.5	978.5	1271.9	1418.5	1694.2	2245.5	2659.0	2710.1
122.5°	698.5	743.5	788.4	799.6	999.0	1265.0	1398.0	1646.2	2142.7	2515.0	2565.4
125°	760.2	801.1	842.1	852.4	1026.7	1259.3	1375.6	1586.5	2008.2	2324.5	2370.9
127.5°	810.3	851.6	893.0	903.3	1054.5	1256.0	1356.8	1537.8	1900.0	2171.6	2210.8
130°	837.2	881.7	926.3	937.4	1074.8	1258.1	1349.7	1510.9	1833.2	2075.0	2111.1
132.5°	864.9	909.4	954.0	965.1	1091.2	1259.3	1343.4	1487.6	1776.2	1992.7	2025.1
135°	906.0	946.5	987.2	997.3	1109.1	1258.1	1332.7	1453.5	1695.2	1876.4	1904.4
137.5°	948.1	988.2	1028.4	1038.4	1135.9	1265.8	1330.8	1433.0	1637.3	1790.6	1813.4
140°	983.0	1020.0	1056.9	1066.1	1152.3	1267.2	1324.6	1412.9	1589.4	1721.8	1743.1
142.5°	1009.7	1044.0	1078.2	1086.7	1166.0	1271.8	1324.6	1402.2	1557.1	1673.4	1691.7
145°	1050.9	1080.8	1110.6	1118.0	1183.9	1271.8	1315.6	1379.0	1505.9	1601.0	1614.9
147.5°	1092.0	1121.1	1150.1	1157.3	1210.1	1280.5	1315.6	1365.6	1465.3	1540.1	1551.7
150°	1118.9	1145.1	1171.3	1177.9	1223.8	1285.1	1315.6	1357.8	1442.0	1505.2	1514.6
152.5°	1146.6	1166.5	1186.4	1191.4	1232.8	1288.0	1315.6	1351.6	1423.6	1477.5	1484.6
155°	1187.7	1202.5	1217.2	1220.8	1252.5	1294.6	1315.6	1344.2	1401.5	1444.4	1449.1
157.5°	1218.1	1232.5	1246.8	1250.4	1272.1	1301.1	1315.6	1337.9	1382.5	1415.8	1419.1
160°	1238.8	1249.9	1261.0	1263.7	1281.0	1304.1	1315.6	1334.8	1372.9	1401.5	1403.4
162.5°	1259.3	1267.7	1276.0	1278.1	1290.6	1307.3	1315.6	1331.7	1363.9	1388.1	1389.9
165°	1281.7	1289.3	1296.7	1298.6	1304.3	1311.8	1315.6	1327.2	1350.3	1367.6	1369.5
167.5°	1302.3	1305.8	1309.4	1310.3	1315.1	1321.5	1324.6	1332.2	1347.3	1358.6	1359.3
170°	1315.6	1319.2	1322.8	1323.7	1324.0	1324.4	1324.6	1332.2	1347.3	1358.6	1358.6
172.5°	1322.8	1323.6	1324.4	1324.6	1324.6	1324.6	1324.6	1330.6	1342.5	1351.4	1350.7
175°	1332.7	1332.7	1332.7	1332.7	1330.0	1326.4	1324.6	1328.4	1335.9	1341.6	1341.6
177.5°	1332.7	1332.7	1332.7	1332.7	1330.6	1327.8	1326.4	1329.3	1335.3	1339.8	1339.1
180°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5
2.5°	1042.5	1039.6	1042.5	1040.6	1041.6	1038.7	1030.0	1027.1	1030.0	1032.9	1032.9
5°	1055.0	1053.0	1055.0	1055.0	1054.1	1052.1	1042.5	1040.6	1042.5	1043.5	1041.6
7.5°	1058.9	1056.0	1058.9	1057.0	1057.0	1055.0	1045.4	1043.5	1044.4	1047.3	1044.4
10°	1058.9	1056.0	1058.9	1057.9	1057.0	1055.0	1045.4	1041.6	1041.6	1044.4	1041.6
12.5°	1054.1	1052.1	1054.1	1052.1	1052.1	1050.2	1040.6	1036.7	1037.7	1038.7	1034.8
15°	1046.3	1043.5	1046.3	1044.4	1045.4	1042.5	1031.9	1028.1	1028.1	1030.0	1023.3
17.5°	1034.8	1031.0	1034.8	1033.8	1032.9	1031.0	1021.3	1017.5	1016.5	1017.5	1012.7
20°	1021.3	1018.4	1021.3	1020.3	1020.3	1016.5	1007.0	1002.1	1002.1	1002.1	997.3
22.5°	1000.2	997.3	1000.2	1002.1	1002.1	1001.1	992.5	985.7	983.8	983.8	978.1
25°	976.2	973.3	976.2	976.2	975.2	976.2	973.3	969.4	966.5	963.6	957.9
27.5°	953.0	951.1	953.0	951.1	953.0	950.2	949.2	948.3	944.4	941.6	933.8
30°	930.0	928.1	930.0	928.1	926.2	924.2	919.4	917.5	921.3	919.4	906.9
32.5°	901.1	899.2	901.1	901.1	899.2	899.2	891.5	888.6	889.6	895.4	883.8
35°	871.3	868.4	871.3	870.3	871.3	868.4	863.7	862.7	858.8	865.6	856.9
37.5°	836.7	833.8	836.7	836.7	836.7	838.6	834.8	831.9	826.1	834.8	828.0
40°	801.1	797.3	801.1	800.2	801.1	803.0	801.1	799.2	793.4	800.2	794.3
42.5°	760.7	759.7	760.7	761.6	761.6	765.6	768.4	764.6	762.6	757.8	761.6
45°	717.5	715.5	717.5	719.4	720.3	722.3	730.9	730.9	728.0	720.3	726.1
47.5°	671.3	666.4	671.3	677.0	677.0	679.9	688.6	695.3	690.5	680.9	683.8
50°	622.3	623.2	622.3	626.1	626.1	636.7	643.4	650.1	655.0	643.4	629.9
52.5°	574.2	573.2	574.2	577.0	580.9	585.6	597.2	604.0	611.6	605.0	583.7
55°	526.1	528.0	526.1	527.0	529.0	531.8	549.1	555.9	570.3	561.6	539.6
57.5°	478.0	475.1	478.0	479.9	480.9	483.7	498.2	510.7	519.3	520.3	493.4
60°	422.2	418.3	422.2	430.9	432.8	434.7	448.2	459.7	467.4	470.3	442.4
62.5°	373.1	366.4	373.1	379.0	382.8	387.6	397.2	414.5	421.2	422.2	382.8
65°	321.2	318.3	321.2	332.8	333.7	339.5	350.1	362.6	377.0	375.0	318.3
67.5°	274.1	274.1	274.1	281.8	287.6	290.4	303.9	309.6	327.9	329.9	265.5
70°	230.8	229.8	230.8	236.6	240.4	247.1	259.6	266.4	280.8	285.7	215.4
72.5°	189.5	188.5	189.5	194.3	198.1	203.9	214.4	222.2	234.7	240.4	167.3
75°	153.0	151.0	153.0	156.8	155.8	163.5	172.2	179.8	191.4	195.2	124.1
77.5°	117.3	117.3	117.3	121.2	121.2	128.9	132.7	142.3	149.0	154.9	91.4
80°	87.5	86.5	87.5	88.5	88.5	92.3	99.0	105.8	111.6	111.6	62.5
82.5°	61.6	59.7	61.6	61.6	61.6	63.5	67.3	69.2	73.1	76.0	39.4
85°	38.4	38.4	38.4	39.4	38.4	40.4	41.4	43.3	43.3	41.4	24.0
87.5°	25.0	24.0	25.0	24.0	24.0	23.0	23.0	23.0	22.1	21.1	13.5
90°	34.0	34.0	34.0	34.0	34.0	45.3	60.4	68.0	58.4	39.4	25.0
92.5°	136.1	109.1	136.1	163.2	170.0	240.9	335.5	382.8	336.1	242.7	172.7
95°	474.5	392.6	474.5	556.4	576.9	757.5	998.4	1118.9	945.0	597.2	336.3
97.5°	1137.0	981.1	1137.0	1292.8	1331.8	1446.0	1598.2	1674.3	1384.4	804.4	369.4
100°	1638.2	1452.5	1638.2	1823.9	1870.2	1861.9	1850.7	1845.2	1523.4	879.8	397.1
102.5°	2131.1	1972.1	2131.1	2290.1	2329.9	2184.4	1990.4	1893.5	1567.1	914.4	424.8
105°	2759.7	2674.2	2759.7	2845.2	2866.6	2540.4	2105.5	1888.1	1572.0	940.0	466.0
107.5°	3171.4	3192.1	3171.4	3150.8	3145.6	2690.7	2084.1	1780.7	1502.1	944.7	526.8
110°	3328.4	3417.5	3328.4	3239.4	3217.1	2708.5	2030.4	1691.3	1440.0	937.6	560.8



TEST NUMBER: P935811

CATALOG NUMBER: SQ4-FA-150U-050D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3342.5	3479.2	3342.5	3205.8	3171.5	2651.0	1956.9	1609.9	1385.9	937.9	601.9
115°	3253.7	3443.4	3253.7	3064.2	3016.8	2515.3	1846.7	1512.4	1323.8	946.5	663.7
117.5°	3065.9	3276.2	3065.9	2855.6	2803.0	2350.4	1747.1	1445.4	1285.0	964.2	723.6
120°	2914.5	3118.8	2914.5	2710.1	2659.0	2245.5	1694.2	1418.5	1271.9	978.5	758.5
122.5°	2767.0	2968.5	2767.0	2565.4	2515.0	2142.7	1646.2	1398.0	1265.0	999.0	799.6
125°	2556.5	2742.2	2556.5	2370.9	2324.5	2008.2	1586.5	1375.6	1259.3	1026.7	852.4
127.5°	2367.3	2524.0	2367.3	2210.8	2171.6	1900.0	1537.8	1356.8	1256.0	1054.5	903.3
130°	2255.9	2400.5	2255.9	2111.1	2075.0	1833.2	1510.9	1349.7	1258.1	1074.8	937.4
132.5°	2154.6	2284.3	2154.6	2025.1	1992.7	1776.2	1487.6	1343.4	1259.3	1091.2	965.1
135°	2016.1	2127.8	2016.1	1904.4	1876.4	1695.2	1453.5	1332.7	1258.1	1109.1	997.3
137.5°	1904.9	1996.3	1904.9	1813.4	1790.6	1637.3	1433.0	1330.8	1265.8	1135.9	1038.4
140°	1828.5	1914.0	1828.5	1743.1	1721.8	1589.4	1412.9	1324.6	1267.2	1152.3	1066.1
142.5°	1765.3	1838.9	1765.3	1691.7	1673.4	1557.1	1402.2	1324.6	1271.8	1166.0	1086.7
145°	1670.5	1726.2	1670.5	1614.9	1601.0	1505.9	1379.0	1315.6	1271.8	1183.9	1118.0
147.5°	1597.8	1643.9	1597.8	1551.7	1540.1	1465.3	1365.6	1315.6	1280.5	1210.1	1157.3
150°	1552.0	1589.4	1552.0	1514.6	1505.2	1442.0	1357.8	1315.6	1285.1	1223.8	1177.9
152.5°	1512.8	1541.1	1512.8	1484.6	1477.5	1423.6	1351.6	1315.6	1288.0	1232.8	1191.4
155°	1467.7	1486.5	1467.7	1449.1	1444.4	1401.5	1344.2	1315.6	1294.6	1252.5	1220.8
157.5°	1432.3	1445.4	1432.3	1419.1	1415.8	1382.5	1337.9	1315.6	1301.1	1272.1	1250.4
160°	1411.0	1418.5	1411.0	1403.4	1401.5	1372.9	1334.8	1315.6	1304.1	1281.0	1263.7
162.5°	1397.0	1404.2	1397.0	1389.9	1388.1	1363.9	1331.7	1315.6	1307.3	1290.6	1278.1
165°	1376.9	1384.5	1376.9	1369.5	1367.6	1350.3	1327.2	1315.6	1311.8	1304.3	1298.6
167.5°	1362.6	1365.7	1362.6	1359.3	1358.6	1347.3	1332.2	1324.6	1321.5	1315.1	1310.3
170°	1358.6	1358.6	1358.6	1358.6	1358.6	1347.3	1332.2	1324.6	1324.4	1324.0	1323.7
172.5°	1348.0	1345.2	1348.0	1350.7	1351.4	1342.5	1330.6	1324.6	1324.6	1324.6	1324.6
175°	1341.6	1341.6	1341.6	1341.6	1341.6	1335.9	1328.4	1324.6	1326.4	1330.0	1332.7
177.5°	1335.8	1332.7	1335.8	1339.1	1339.8	1335.3	1329.3	1326.4	1327.8	1330.6	1332.7
180°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7



TEST NUMBER: P935811
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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5
2.5°	1031.0	1025.2	1025.2	1015.6	1011.7	1008.9	1004.0	989.7	985.7	981.9	987.6
5°	1039.6	1029.0	1021.3	1004.0	989.7	983.8	965.6	931.0	907.8	890.5	881.0
7.5°	1041.6	1028.1	1013.6	986.7	952.1	936.7	881.0	817.5	800.2	784.8	775.1
10°	1039.6	1024.3	1004.0	963.6	881.9	855.0	799.2	757.8	747.2	744.3	747.2
12.5°	1032.9	1018.4	990.6	923.2	808.8	790.5	757.8	733.8	731.8	736.7	762.6
15°	1021.3	1007.9	975.2	869.4	768.4	755.0	731.8	723.2	733.8	767.5	845.4
17.5°	1009.8	994.4	954.0	816.5	737.6	728.0	711.6	728.9	788.6	833.8	859.7
20°	994.4	976.2	930.0	778.0	715.5	706.9	699.1	777.0	822.3	838.6	853.0
22.5°	976.2	956.9	897.3	751.1	692.4	685.7	690.5	804.0	822.3	833.8	846.3
25°	952.1	935.7	858.8	729.9	674.2	666.4	684.8	801.1	811.6	814.6	839.6
27.5°	930.0	908.8	818.4	710.7	652.1	649.1	689.6	788.6	796.3	799.2	826.1
30°	903.0	871.3	773.2	690.5	629.0	628.0	690.5	773.2	771.3	778.9	805.9
32.5°	875.1	815.6	722.3	665.5	606.9	605.9	683.8	750.2	748.3	758.8	778.9
35°	849.2	772.3	653.0	636.7	579.0	579.9	667.4	723.2	724.2	733.8	746.3
37.5°	822.3	734.8	577.0	605.0	552.0	552.0	645.3	698.2	696.3	699.1	716.5
40°	790.5	676.1	509.7	563.6	527.0	524.2	618.3	671.3	664.5	663.6	687.7
42.5°	756.9	611.6	459.7	508.8	498.2	494.3	585.6	638.6	626.1	629.0	659.7
45°	720.3	594.3	421.2	429.9	468.3	465.5	550.1	601.0	592.4	600.1	631.8
47.5°	683.8	559.7	408.7	356.8	436.6	435.6	510.7	564.5	559.7	567.4	601.0
50°	633.7	521.2	407.7	305.8	401.0	404.9	463.6	529.0	529.0	535.6	571.3
52.5°	569.3	474.1	370.3	277.0	359.6	371.2	422.2	498.2	500.1	506.9	538.5
55°	510.7	425.0	343.3	254.9	310.6	335.7	381.8	466.4	470.3	477.0	505.8
57.5°	456.8	353.9	337.6	228.9	265.5	289.5	346.3	435.6	437.6	443.4	471.2
60°	399.1	255.8	309.6	201.0	226.0	244.3	313.5	399.1	405.8	409.6	433.7
62.5°	333.7	185.7	280.8	181.7	206.8	210.6	286.6	364.5	373.1	376.0	390.4
65°	237.6	155.8	238.5	165.4	186.6	187.6	257.7	328.9	336.6	341.4	352.0
67.5°	160.6	127.0	181.7	150.0	171.2	172.2	229.8	287.6	298.2	302.0	308.7
70°	111.6	84.6	134.6	133.6	153.9	155.8	200.0	250.1	259.6	262.5	266.4
72.5°	81.7	68.3	111.6	120.2	135.6	137.6	169.3	207.7	217.4	220.3	222.2
75°	62.5	72.1	90.4	104.9	115.4	116.3	138.5	169.3	176.0	177.9	178.9
77.5°	50.0	67.3	66.3	84.6	94.3	92.3	108.7	130.8	136.5	136.5	136.5
80°	37.5	52.9	50.0	60.6	69.2	67.3	77.9	93.3	95.2	97.1	96.2
82.5°	27.9	33.7	33.7	38.4	46.2	44.3	51.9	60.6	60.6	60.6	62.5
85°	17.3	19.2	15.4	20.2	26.0	25.0	28.9	32.7	33.7	33.7	31.7
87.5°	10.6	8.7	4.8	7.6	11.6	11.6	13.5	14.4	13.5	13.5	13.5
90°	23.2	16.2	9.0	16.2	23.2	25.0	39.4	58.4	68.0	60.4	45.3
92.5°	157.5	96.6	35.8	96.6	157.5	172.7	242.7	336.1	382.8	335.5	240.9
95°	308.5	197.1	85.8	197.1	308.5	336.3	597.2	945.0	1118.9	998.4	757.5
97.5°	344.8	246.6	148.5	246.6	344.8	369.4	804.4	1384.4	1674.3	1598.2	1446.0
100°	374.8	285.8	196.7	285.8	374.8	397.1	879.8	1523.4	1845.2	1850.7	1861.9
102.5°	404.1	321.0	237.9	321.0	404.1	424.8	914.4	1567.1	1893.5	1990.4	2184.4
105°	448.4	378.0	307.6	378.0	448.4	466.0	940.0	1572.0	1888.1	2105.5	2540.4
107.5°	510.4	444.8	379.2	444.8	510.4	526.8	944.7	1502.1	1780.7	2084.1	2690.7
110°	546.0	486.8	427.5	486.8	546.0	560.8	937.6	1440.0	1691.3	2030.4	2708.5



TEST NUMBER: P935811

CATALOG NUMBER: SQ4-FA-150U-050D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	587.7	531.3	474.9	531.3	587.7	601.9	937.9	1385.9	1609.9	1956.9	2651.0
115°	650.7	598.6	546.4	598.6	650.7	663.7	946.5	1323.8	1512.4	1846.7	2515.3
117.5°	711.7	664.4	617.1	664.4	711.7	723.6	964.2	1285.0	1445.4	1747.1	2350.4
120°	747.4	702.9	658.3	702.9	747.4	758.5	978.5	1271.9	1418.5	1694.2	2245.5
122.5°	788.4	743.5	698.5	743.5	788.4	799.6	999.0	1265.0	1398.0	1646.2	2142.7
125°	842.1	801.1	760.2	801.1	842.1	852.4	1026.7	1259.3	1375.6	1586.5	2008.2
127.5°	893.0	851.6	810.3	851.6	893.0	903.3	1054.5	1256.0	1356.8	1537.8	1900.0
130°	926.3	881.7	837.2	881.7	926.3	937.4	1074.8	1258.1	1349.7	1510.9	1833.2
132.5°	954.0	909.4	864.9	909.4	954.0	965.1	1091.2	1259.3	1343.4	1487.6	1776.2
135°	987.2	946.5	906.0	946.5	987.2	997.3	1109.1	1258.1	1332.7	1453.5	1695.2
137.5°	1028.4	988.2	948.1	988.2	1028.4	1038.4	1135.9	1265.8	1330.8	1433.0	1637.3
140°	1056.9	1020.0	983.0	1020.0	1056.9	1066.1	1152.3	1267.2	1324.6	1412.9	1589.4
142.5°	1078.2	1044.0	1009.7	1044.0	1078.2	1086.7	1166.0	1271.8	1324.6	1402.2	1557.1
145°	1110.6	1080.8	1050.9	1080.8	1110.6	1118.0	1183.9	1271.8	1315.6	1379.0	1505.9
147.5°	1150.1	1121.1	1092.0	1121.1	1150.1	1157.3	1210.1	1280.5	1315.6	1365.6	1465.3
150°	1171.3	1145.1	1118.9	1145.1	1171.3	1177.9	1223.8	1285.1	1315.6	1357.8	1442.0
152.5°	1186.4	1166.5	1146.6	1166.5	1186.4	1191.4	1232.8	1288.0	1315.6	1351.6	1423.6
155°	1217.2	1202.5	1187.7	1202.5	1217.2	1220.8	1252.5	1294.6	1315.6	1344.2	1401.5
157.5°	1246.8	1232.5	1218.1	1232.5	1246.8	1250.4	1272.1	1301.1	1315.6	1337.9	1382.5
160°	1261.0	1249.9	1238.8	1249.9	1261.0	1263.7	1281.0	1304.1	1315.6	1334.8	1372.9
162.5°	1276.0	1267.7	1259.3	1267.7	1276.0	1278.1	1290.6	1307.3	1315.6	1331.7	1363.9
165°	1296.7	1289.3	1281.7	1289.3	1296.7	1298.6	1304.3	1311.8	1315.6	1327.2	1350.3
167.5°	1309.4	1305.8	1302.3	1305.8	1309.4	1310.3	1315.1	1321.5	1324.6	1332.2	1347.3
170°	1322.8	1319.2	1315.6	1319.2	1322.8	1323.7	1324.0	1324.4	1324.6	1332.2	1347.3
172.5°	1324.4	1323.6	1322.8	1323.6	1324.4	1324.6	1324.6	1324.6	1324.6	1330.6	1342.5
175°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1330.0	1326.4	1324.6	1328.4	1335.9
177.5°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1330.6	1327.8	1326.4	1329.3	1335.3
180°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7



TEST NUMBER: P935811
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5	1016.5
2.5°	981.0	978.1	981.9	971.3	981.9	978.1	981.0	987.6	981.9	985.7	989.7
5°	860.8	855.9	840.5	828.0	840.5	855.9	860.8	881.0	890.5	907.8	931.0
7.5°	769.4	765.6	761.6	754.0	761.6	765.6	769.4	775.1	784.8	800.2	817.5
10°	749.2	750.2	755.9	755.0	755.9	750.2	749.2	747.2	744.3	747.2	757.8
12.5°	801.1	809.7	841.5	839.6	841.5	809.7	801.1	762.6	736.7	731.8	733.8
15°	860.8	863.7	870.3	871.3	870.3	863.7	860.8	845.4	767.5	733.8	723.2
17.5°	866.5	867.5	872.3	872.3	872.3	867.5	866.5	859.7	833.8	788.6	728.9
20°	861.7	863.7	873.2	875.1	873.2	863.7	861.7	853.0	838.6	822.3	777.0
22.5°	859.7	863.7	871.3	870.3	871.3	863.7	859.7	846.3	833.8	822.3	804.0
25°	850.2	850.2	851.1	852.1	851.1	850.2	850.2	839.6	814.6	811.6	801.1
27.5°	830.0	831.9	837.6	836.7	837.6	831.9	830.0	826.1	799.2	796.3	788.6
30°	811.6	809.7	805.0	801.1	805.0	809.7	811.6	805.9	778.9	771.3	773.2
32.5°	781.0	776.1	771.3	768.4	771.3	776.1	781.0	778.9	758.8	748.3	750.2
35°	744.3	745.3	744.3	741.5	744.3	745.3	744.3	746.3	733.8	724.2	723.2
37.5°	718.4	720.3	719.4	715.5	719.4	720.3	718.4	716.5	699.1	696.3	698.2
40°	691.5	692.4	691.5	688.6	691.5	692.4	691.5	687.7	663.6	664.5	671.3
42.5°	665.5	664.5	661.6	659.7	661.6	664.5	665.5	659.7	629.0	626.1	638.6
45°	635.7	636.7	630.9	628.0	630.9	636.7	635.7	631.8	600.1	592.4	601.0
47.5°	605.9	605.9	601.0	598.2	601.0	605.9	605.9	601.0	567.4	559.7	564.5
50°	574.2	573.2	566.4	565.5	566.4	573.2	574.2	571.3	535.6	529.0	529.0
52.5°	537.6	537.6	538.5	540.5	538.5	537.6	537.6	538.5	506.9	500.1	498.2
55°	505.8	506.9	513.6	515.5	513.6	506.9	505.8	505.8	477.0	470.3	466.4
57.5°	473.1	473.1	478.0	478.0	478.0	473.1	473.1	471.2	443.4	437.6	435.6
60°	435.6	437.6	441.4	440.4	441.4	437.6	435.6	433.7	409.6	405.8	399.1
62.5°	396.3	398.2	399.1	397.2	399.1	398.2	396.3	390.4	376.0	373.1	364.5
65°	354.9	356.8	357.7	355.8	357.7	356.8	354.9	352.0	341.4	336.6	328.9
67.5°	312.5	311.6	310.6	314.5	310.6	311.6	312.5	308.7	302.0	298.2	287.6
70°	269.3	269.3	268.3	270.3	268.3	269.3	269.3	266.4	262.5	259.6	250.1
72.5°	223.1	222.2	226.0	223.1	226.0	222.2	223.1	222.2	220.3	217.4	207.7
75°	177.9	179.8	177.9	180.8	177.9	179.8	177.9	178.9	177.9	176.0	169.3
77.5°	135.6	137.6	135.6	135.6	135.6	137.6	135.6	136.5	136.5	136.5	130.8
80°	96.2	95.2	95.2	94.3	95.2	95.2	96.2	96.2	97.1	95.2	93.3
82.5°	61.6	60.6	60.6	62.5	60.6	60.6	61.6	62.5	60.6	60.6	60.6
85°	33.7	34.6	32.7	32.7	32.7	34.6	33.7	31.7	33.7	33.7	32.7
87.5°	12.5	11.6	11.6	11.6	11.6	11.6	12.5	13.5	13.5	13.5	14.4
90°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	45.3	60.4	68.0	58.4
92.5°	170.0	163.2	136.1	109.1	136.1	163.2	170.0	240.9	335.5	382.8	336.1
95°	576.9	556.4	474.5	392.6	474.5	556.4	576.9	757.5	998.4	1118.9	945.0
97.5°	1331.8	1292.8	1137.0	981.1	1137.0	1292.8	1331.8	1446.0	1598.2	1674.3	1384.4
100°	1870.2	1823.9	1638.2	1452.5	1638.2	1823.9	1870.2	1861.9	1850.7	1845.2	1523.4
102.5°	2329.9	2290.1	2131.1	1972.1	2131.1	2290.1	2329.9	2184.4	1990.4	1893.5	1567.1
105°	2866.6	2845.2	2759.7	2674.2	2759.7	2845.2	2866.6	2540.4	2105.5	1888.1	1572.0
107.5°	3145.6	3150.8	3171.4	3192.1	3171.4	3150.8	3145.6	2690.7	2084.1	1780.7	1502.1
110°	3217.1	3239.4	3328.4	3417.5	3328.4	3239.4	3217.1	2708.5	2030.4	1691.3	1440.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3171.5	3205.8	3342.5	3479.2	3342.5	3205.8	3171.5	2651.0	1956.9	1609.9	1385.9
115°	3016.8	3064.2	3253.7	3443.4	3253.7	3064.2	3016.8	2515.3	1846.7	1512.4	1323.8
117.5°	2803.0	2855.6	3065.9	3276.2	3065.9	2855.6	2803.0	2350.4	1747.1	1445.4	1285.0
120°	2659.0	2710.1	2914.5	3118.8	2914.5	2710.1	2659.0	2245.5	1694.2	1418.5	1271.9
122.5°	2515.0	2565.4	2767.0	2968.5	2767.0	2565.4	2515.0	2142.7	1646.2	1398.0	1265.0
125°	2324.5	2370.9	2556.5	2742.2	2556.5	2370.9	2324.5	2008.2	1586.5	1375.6	1259.3
127.5°	2171.6	2210.8	2367.3	2524.0	2367.3	2210.8	2171.6	1900.0	1537.8	1356.8	1256.0
130°	2075.0	2111.1	2255.9	2400.5	2255.9	2111.1	2075.0	1833.2	1510.9	1349.7	1258.1
132.5°	1992.7	2025.1	2154.6	2284.3	2154.6	2025.1	1992.7	1776.2	1487.6	1343.4	1259.3
135°	1876.4	1904.4	2016.1	2127.8	2016.1	1904.4	1876.4	1695.2	1453.5	1332.7	1258.1
137.5°	1790.6	1813.4	1904.9	1996.3	1904.9	1813.4	1790.6	1637.3	1433.0	1330.8	1265.8
140°	1721.8	1743.1	1828.5	1914.0	1828.5	1743.1	1721.8	1589.4	1412.9	1324.6	1267.2
142.5°	1673.4	1691.7	1765.3	1838.9	1765.3	1691.7	1673.4	1557.1	1402.2	1324.6	1271.8
145°	1601.0	1614.9	1670.5	1726.2	1670.5	1614.9	1601.0	1505.9	1379.0	1315.6	1271.8
147.5°	1540.1	1551.7	1597.8	1643.9	1597.8	1551.7	1540.1	1465.3	1365.6	1315.6	1280.5
150°	1505.2	1514.6	1552.0	1589.4	1552.0	1514.6	1505.2	1442.0	1357.8	1315.6	1285.1
152.5°	1477.5	1484.6	1512.8	1541.1	1512.8	1484.6	1477.5	1423.6	1351.6	1315.6	1288.0
155°	1444.4	1449.1	1467.7	1486.5	1467.7	1449.1	1444.4	1401.5	1344.2	1315.6	1294.6
157.5°	1415.8	1419.1	1432.3	1445.4	1432.3	1419.1	1415.8	1382.5	1337.9	1315.6	1301.1
160°	1401.5	1403.4	1411.0	1418.5	1411.0	1403.4	1401.5	1372.9	1334.8	1315.6	1304.1
162.5°	1388.1	1389.9	1397.0	1404.2	1397.0	1389.9	1388.1	1363.9	1331.7	1315.6	1307.3
165°	1367.6	1369.5	1376.9	1384.5	1376.9	1369.5	1367.6	1350.3	1327.2	1315.6	1311.8
167.5°	1358.6	1359.3	1362.6	1365.7	1362.6	1359.3	1358.6	1347.3	1332.2	1324.6	1321.5
170°	1358.6	1358.6	1358.6	1358.6	1358.6	1358.6	1358.6	1347.3	1332.2	1324.6	1324.4
172.5°	1351.4	1350.7	1348.0	1345.2	1348.0	1350.7	1351.4	1342.5	1330.6	1324.6	1324.6
175°	1341.6	1341.6	1341.6	1341.6	1341.6	1341.6	1341.6	1335.9	1328.4	1324.6	1326.4
177.5°	1339.8	1339.1	1335.8	1332.7	1335.8	1339.1	1339.8	1335.3	1329.3	1326.4	1327.8
180°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1016.5	1016.5	1016.5	1016.5	1016.5
2.5°	1004.0	1008.9	1011.7	1015.6	1025.2
5°	965.6	983.8	989.7	1004.0	1021.3
7.5°	881.0	936.7	952.1	986.7	1013.6
10°	799.2	855.0	881.9	963.6	1004.0
12.5°	757.8	790.5	808.8	923.2	990.6
15°	731.8	755.0	768.4	869.4	975.2
17.5°	711.6	728.0	737.6	816.5	954.0
20°	699.1	706.9	715.5	778.0	930.0
22.5°	690.5	685.7	692.4	751.1	897.3
25°	684.8	666.4	674.2	729.9	858.8
27.5°	689.6	649.1	652.1	710.7	818.4
30°	690.5	628.0	629.0	690.5	773.2
32.5°	683.8	605.9	606.9	665.5	722.3
35°	667.4	579.9	579.0	636.7	653.0
37.5°	645.3	552.0	552.0	605.0	577.0
40°	618.3	524.2	527.0	563.6	509.7
42.5°	585.6	494.3	498.2	508.8	459.7
45°	550.1	465.5	468.3	429.9	421.2
47.5°	510.7	435.6	436.6	356.8	408.7
50°	463.6	404.9	401.0	305.8	407.7
52.5°	422.2	371.2	359.6	277.0	370.3
55°	381.8	335.7	310.6	254.9	343.3
57.5°	346.3	289.5	265.5	228.9	337.6
60°	313.5	244.3	226.0	201.0	309.6
62.5°	286.6	210.6	206.8	181.7	280.8
65°	257.7	187.6	186.6	165.4	238.5
67.5°	229.8	172.2	171.2	150.0	181.7
70°	200.0	155.8	153.9	133.6	134.6
72.5°	169.3	137.6	135.6	120.2	111.6
75°	138.5	116.3	115.4	104.9	90.4
77.5°	108.7	92.3	94.3	84.6	66.3
80°	77.9	67.3	69.2	60.6	50.0
82.5°	51.9	44.3	46.2	38.4	33.7
85°	28.9	25.0	26.0	20.2	15.4
87.5°	13.5	11.6	11.6	7.6	4.8
90°	39.4	25.0	23.2	16.2	9.0
92.5°	242.7	172.7	157.5	96.6	35.8
95°	597.2	336.3	308.5	197.1	85.8
97.5°	804.4	369.4	344.8	246.6	148.5
100°	879.8	397.1	374.8	285.8	196.7
102.5°	914.4	424.8	404.1	321.0	237.9
105°	940.0	466.0	448.4	378.0	307.6
107.5°	944.7	526.8	510.4	444.8	379.2
110°	937.6	560.8	546.0	486.8	427.5



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CATALOG NUMBER: SQ4-FA-150U-050D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	937.9	601.9	587.7	531.3	474.9
115°	946.5	663.7	650.7	598.6	546.4
117.5°	964.2	723.6	711.7	664.4	617.1
120°	978.5	758.5	747.4	702.9	658.3
122.5°	999.0	799.6	788.4	743.5	698.5
125°	1026.7	852.4	842.1	801.1	760.2
127.5°	1054.5	903.3	893.0	851.6	810.3
130°	1074.8	937.4	926.3	881.7	837.2
132.5°	1091.2	965.1	954.0	909.4	864.9
135°	1109.1	997.3	987.2	946.5	906.0
137.5°	1135.9	1038.4	1028.4	988.2	948.1
140°	1152.3	1066.1	1056.9	1020.0	983.0
142.5°	1166.0	1086.7	1078.2	1044.0	1009.7
145°	1183.9	1118.0	1110.6	1080.8	1050.9
147.5°	1210.1	1157.3	1150.1	1121.1	1092.0
150°	1223.8	1177.9	1171.3	1145.1	1118.9
152.5°	1232.8	1191.4	1186.4	1166.5	1146.6
155°	1252.5	1220.8	1217.2	1202.5	1187.7
157.5°	1272.1	1250.4	1246.8	1232.5	1218.1
160°	1281.0	1263.7	1261.0	1249.9	1238.8
162.5°	1290.6	1278.1	1276.0	1267.7	1259.3
165°	1304.3	1298.6	1296.7	1289.3	1281.7
167.5°	1315.1	1310.3	1309.4	1305.8	1302.3
170°	1324.0	1323.7	1322.8	1319.2	1315.6
172.5°	1324.6	1324.6	1324.4	1323.6	1322.8
175°	1330.0	1332.7	1332.7	1332.7	1332.7
177.5°	1330.6	1332.7	1332.7	1332.7	1332.7
180°	1332.7	1332.7	1332.7	1332.7	1332.7



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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	7.98	8.65	9.14	9.79	11.40	10.81	11.47	11.96	12.61	14.22
	3H	8.44	9.04	9.61	10.19	11.81	12.13	12.73	13.30	13.88	15.50
	4H	8.62	9.19	9.80	10.34	11.97	12.57	13.13	13.74	14.28	15.91
	6H	8.73	9.25	9.91	10.41	12.04	12.84	13.36	14.02	14.51	16.15
	8H	8.73	9.22	9.91	10.39	12.02	12.91	13.40	14.09	14.57	16.20
	12H	8.69	9.16	9.88	10.32	11.97	12.94	13.41	14.13	14.57	16.22
4H	2H	8.99	9.55	10.17	10.70	12.33	11.19	11.76	12.37	12.91	14.53
	3H	10.00	10.47	11.18	11.64	13.28	12.68	13.15	13.86	14.32	15.96
	4H	10.26	10.70	11.45	11.86	13.52	13.19	13.63	14.38	14.79	16.45
	6H	10.38	10.75	11.57	11.94	13.58	13.55	13.92	14.74	15.11	16.75
	8H	10.38	10.72	11.57	11.90	13.57	13.65	13.99	14.84	15.17	16.84
	12H	10.34	10.65	11.54	11.84	13.51	13.69	14.01	14.90	15.20	16.86
8H	4H	10.70	11.05	11.89	12.23	13.89	13.30	13.65	14.49	14.83	16.49
	6H	10.95	11.24	12.16	12.46	14.12	13.73	14.01	14.94	15.24	16.89
	8H	10.99	11.24	12.21	12.44	14.12	13.88	14.13	15.09	15.32	17.00
	12H	10.97	11.19	12.19	12.38	14.09	13.97	14.18	15.18	15.38	17.09
12H	4H	10.70	11.01	11.90	12.20	13.87	13.26	13.57	14.46	14.76	16.43
	6H	11.01	11.26	12.23	12.46	14.14	13.72	13.97	14.94	15.17	16.85
	8H	11.07	11.29	12.29	12.48	14.19	13.88	14.09	15.09	15.29	17.00