

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: P935321

Luminaire Tested: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935321
REPORT IS A COMBINATION OF REPORTS P933749 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

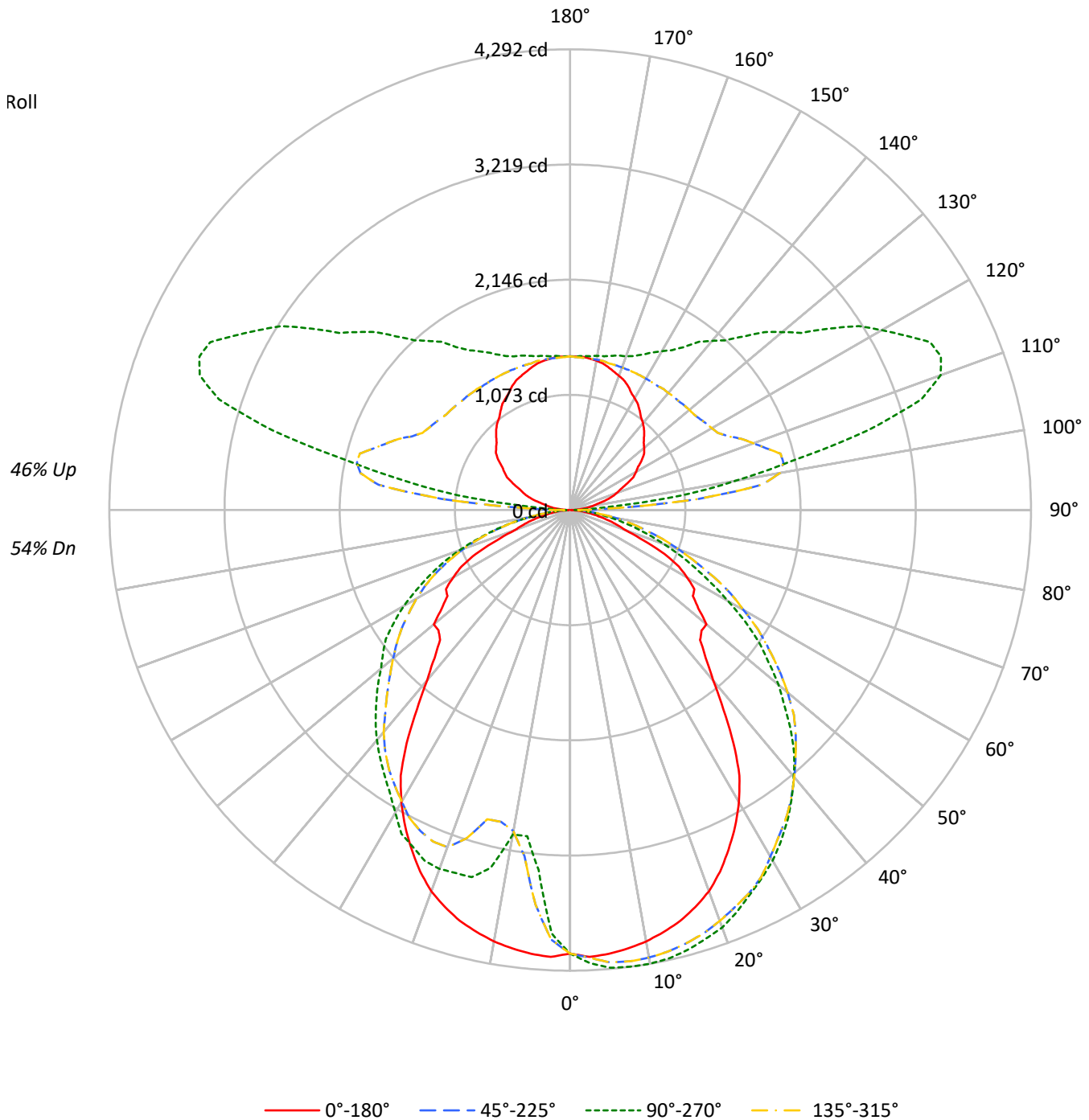
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19999.2 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 206.4
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

TEST NUMBER: P935321
CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





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CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54				54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45				45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38				38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32				32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28				28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24				24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21				21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19				19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17				17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15				15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13				13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12780	12780	12780	12780
5°	12880	12901	12880	10144
10°	12799	12708	12799	9085
15°	12664	12432	12664	10381
20°	12405	12106	12405	10403
25°	11867	11631	11867	10183
30°	11171	11236	11171	9699
35°	9964	10736	9964	9167
40°	8307	10148	8307	8765
45°	7427	9460	7427	8303
50°	7897	8639	7897	7839
55°	7437	7754	7437	7570
60°	7676	6586	7676	6934
65°	6970	5444	6970	6085
70°	4838	4338	4838	5101
75°	4258	3207	4258	3840
80°	3458	2120	3458	2309
85°	2025	1123	2025	954

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11376 cd/sqm



TEST NUMBER: P935321

CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.0	1.9
10°-20°	1059.0	5.3
20°-30°	1637.0	8.2
30°-40°	1954.2	9.8
40°-50°	1965.6	9.8
50°-60°	1710.3	8.6
60°-70°	1212.6	6.1
70°-80°	641.6	3.2
80°-90°	165.2	0.8
90°-100°	697.8	3.5
100°-110°	1834.7	9.2
110°-120°	1902.4	9.5
120°-130°	1525.9	7.6
130°-140°	1197.3	6.0
140°-150°	919.0	4.6
150°-160°	661.8	3.3
160°-170°	404.9	2.0
170°-180°	136.8	0.7
0°-30°	3068.9	15.3
0°-40°	5023.0	25.1
0°-60°	8699.0	43.5
0°-90°	10718.5	53.6
90°-120°	4434.9	22.2
90°-150°	8077.2	40.4
90°-180°	9281.0	46.4
0°-180°	19999.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4132	4132	4132	4132	4132	
5°	4151	4280	4151	3366	4151	394
15°	3964	4241	3964	3542	3964	1115
25°	3491	3956	3491	3463	3491	1603
35°	2654	3530	2654	3014	2654	1642
45°	1712	2908	1712	2553	1712	1372
55°	1396	2146	1396	2095	1396	1282
65°	969	1294	969	1446	969	926
75°	367	614	367	735	367	386
85°	62	156	62	133	62	84
90°	10	36	10	36	10	11
95°	92	422	92	422	92	102
105°	331	2873	331	2873	331	350
115°	587	3699	587	3699	587	580
125°	817	2946	817	2946	817	725
135°	973	2286	973	2286	973	753
145°	1129	1854	1129	1854	1129	707
155°	1276	1597	1276	1597	1276	586
165°	1377	1487	1377	1487	1377	389
175°	1432	1441	1432	1441	1432	136
180°	1432	1432	1432	1432	1432	



TEST NUMBER: P935321

CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8
2.5°	4167.0	4167.0	4190.4	4198.3	4198.3	4186.5	4174.8	4186.5	4221.7	4233.5	4229.5
5°	4151.3	4182.6	4225.6	4233.5	4241.2	4237.3	4229.5	4237.3	4276.4	4284.3	4288.1
7.5°	4120.0	4178.7	4233.5	4245.2	4256.9	4245.2	4241.2	4249.1	4288.1	4296.0	4296.0
10°	4081.0	4163.1	4225.6	4233.5	4245.2	4233.5	4233.5	4249.1	4288.1	4296.0	4299.9
12.5°	4026.3	4139.6	4198.3	4206.0	4221.7	4217.8	4213.9	4229.5	4268.6	4276.4	4276.4
15°	3963.7	4096.6	4151.3	4159.2	4186.5	4178.7	4178.7	4194.3	4237.3	4249.1	4245.2
17.5°	3877.7	4041.9	4104.4	4116.2	4135.7	4131.8	4135.7	4151.3	4190.4	4198.3	4202.1
20°	3780.0	3967.6	4041.9	4053.6	4073.1	4073.1	4073.1	4092.7	4131.8	4147.5	4147.5
22.5°	3647.1	3889.4	3967.6	3975.4	3998.9	3998.9	4006.7	4034.0	4069.2	4073.1	4073.1
25°	3490.7	3803.4	3869.9	3893.4	3916.8	3928.5	3940.2	3955.9	3967.6	3963.7	3967.6
27.5°	3326.6	3694.0	3780.0	3795.6	3826.9	3838.6	3854.2	3858.2	3862.1	3873.8	3866.0
30°	3142.8	3541.5	3670.5	3686.1	3737.0	3744.8	3729.2	3737.0	3756.5	3764.4	3772.2
32.5°	2935.6	3314.8	3557.2	3592.4	3639.3	3615.8	3611.9	3623.6	3654.9	3654.9	3662.7
35°	2654.2	3138.9	3451.6	3482.9	3518.1	3490.7	3506.3	3510.3	3529.8	3541.5	3537.6
37.5°	2345.4	2986.4	3342.2	3365.7	3393.0	3357.8	3381.3	3393.0	3408.6	3400.8	3400.8
40°	2071.8	2748.0	3213.2	3228.8	3252.2	3224.9	3248.4	3256.2	3264.0	3256.2	3252.2
42.5°	1868.5	2486.1	3076.4	3095.9	3080.3	3099.8	3107.6	3123.3	3111.6	3095.9	3095.9
45°	1712.1	2415.7	2927.8	2951.3	2927.8	2959.1	2970.8	2970.8	2935.6	2927.8	2923.9
47.5°	1661.4	2275.0	2779.3	2779.3	2767.5	2806.6	2826.2	2798.8	2763.7	2751.9	2751.9
50°	1657.4	2118.7	2576.0	2560.4	2615.1	2662.0	2642.5	2615.1	2587.7	2544.8	2544.8
52.5°	1505.0	1927.2	2314.1	2372.8	2458.8	2486.1	2454.8	2427.5	2380.5	2361.1	2345.4
55°	1395.5	1727.8	2075.7	2193.0	2282.8	2318.0	2259.4	2232.0	2161.7	2149.9	2142.1
57.5°	1372.1	1438.5	1856.8	2005.3	2114.7	2110.9	2075.7	2024.9	1966.2	1954.5	1950.6
60°	1258.7	1039.8	1622.2	1798.1	1911.5	1899.7	1868.5	1821.6	1766.8	1759.1	1751.2
62.5°	1141.4	754.4	1356.4	1555.8	1716.0	1712.1	1684.8	1614.4	1575.3	1555.8	1540.2
65°	969.4	633.2	965.5	1293.9	1524.5	1532.3	1473.7	1422.9	1379.8	1356.4	1352.5
67.5°	738.8	516.0	652.8	1078.8	1340.8	1332.9	1258.7	1235.2	1180.5	1168.8	1145.3
70°	547.2	344.0	453.5	875.6	1160.9	1141.4	1082.8	1055.4	1004.6	977.2	961.6
72.5°	453.5	277.5	332.3	680.1	977.2	953.8	903.0	871.7	828.7	805.3	789.6
75°	367.4	293.1	254.1	504.3	793.5	777.9	731.0	699.7	664.5	633.2	637.2
77.5°	269.7	273.7	203.3	371.4	629.3	605.9	578.5	539.5	523.8	492.6	492.6
80°	203.3	215.0	152.5	254.1	453.5	453.5	430.0	402.6	375.3	359.6	359.6
82.5°	136.8	136.8	113.3	160.2	308.8	297.1	281.4	273.7	258.0	250.2	250.2
85°	62.5	78.2	70.4	97.7	168.1	175.9	175.9	168.1	164.2	156.4	160.2
87.5°	19.6	35.2	43.0	54.7	86.0	89.9	93.8	93.8	93.8	97.7	97.7
90°	9.6	17.3	24.9	26.9	42.3	62.8	73.0	64.9	48.7	36.5	36.5
92.5°	38.4	103.7	169.1	185.4	260.7	361.1	411.3	360.4	258.8	182.6	175.3
95°	92.2	211.8	331.4	361.3	641.5	1015.2	1202.0	1072.6	813.8	619.7	597.7
97.5°	159.5	265.0	370.4	396.9	864.1	1487.1	1798.6	1716.9	1553.3	1430.7	1388.8
100°	211.4	307.0	402.6	426.6	945.1	1636.5	1982.2	1988.2	2000.2	2009.1	1959.3
102.5°	255.6	344.8	434.0	456.4	982.3	1683.5	2034.1	2138.3	2346.7	2503.0	2460.2
105°	330.6	406.1	481.7	500.6	1009.9	1688.8	2028.3	2262.0	2729.1	3079.5	3056.5
107.5°	407.4	477.9	548.3	566.0	1014.9	1613.6	1913.0	2238.9	2890.5	3379.2	3384.8
110°	459.3	522.9	586.5	602.4	1007.2	1547.0	1816.9	2181.2	2909.7	3456.1	3480.0



TEST NUMBER: P935321

CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	510.2	570.9	631.5	646.6	1007.6	1488.9	1729.5	2102.3	2847.9	3407.1	3443.8
115°	587.0	643.0	698.9	712.9	1016.9	1422.1	1624.8	1983.9	2702.2	3240.9	3291.8
117.5°	663.0	713.8	764.6	777.3	1035.8	1380.4	1552.7	1876.8	2525.1	3011.2	3067.7
120°	707.2	755.0	802.9	814.8	1051.2	1366.4	1523.9	1820.0	2412.3	2856.5	2911.4
122.5°	750.4	798.7	846.9	859.0	1073.3	1359.0	1501.8	1768.5	2301.8	2701.9	2756.0
125°	816.7	860.7	904.7	915.7	1103.0	1352.9	1477.8	1704.3	2157.4	2497.2	2547.0
127.5°	870.5	914.9	959.3	970.4	1132.8	1349.3	1457.6	1652.1	2041.1	2332.9	2374.9
130°	899.4	947.2	995.0	1006.9	1154.6	1351.5	1449.9	1623.1	1969.4	2229.2	2268.0
132.5°	929.2	977.0	1024.8	1036.7	1172.2	1352.8	1443.1	1598.1	1908.2	2140.8	2175.6
135°	973.4	1016.9	1060.4	1071.3	1191.4	1351.6	1431.7	1561.5	1821.0	2015.8	2045.8
137.5°	1018.5	1061.6	1104.7	1115.5	1220.2	1359.9	1429.7	1539.5	1759.0	1923.6	1948.2
140°	1056.0	1095.7	1135.4	1145.3	1237.9	1361.3	1423.0	1517.7	1707.4	1849.6	1872.6
142.5°	1084.8	1121.5	1158.2	1167.4	1252.6	1366.1	1423.0	1506.3	1672.8	1797.7	1817.4
145°	1129.0	1161.0	1193.0	1201.0	1271.8	1366.2	1413.4	1481.5	1617.7	1719.9	1734.8
147.5°	1173.2	1204.4	1235.5	1243.3	1300.0	1375.6	1413.4	1467.0	1574.2	1654.6	1667.0
150°	1202.0	1230.2	1258.3	1265.4	1314.8	1380.5	1413.4	1458.7	1549.2	1617.1	1627.1
152.5°	1231.8	1253.1	1274.5	1279.8	1324.3	1383.7	1413.4	1452.1	1529.3	1587.3	1594.8
155°	1276.0	1291.8	1307.6	1311.5	1345.5	1390.8	1413.4	1444.1	1505.6	1551.7	1556.7
157.5°	1308.6	1324.0	1339.4	1343.3	1366.7	1397.9	1413.4	1437.3	1485.1	1521.0	1524.5
160°	1330.7	1342.7	1354.7	1357.7	1376.2	1401.0	1413.4	1433.9	1474.9	1505.6	1507.6
162.5°	1352.8	1361.7	1370.8	1373.0	1386.5	1404.4	1413.4	1430.7	1465.2	1491.2	1493.1
165°	1376.8	1384.9	1393.1	1395.1	1401.2	1409.3	1413.4	1425.8	1450.5	1469.1	1471.1
167.5°	1398.9	1402.8	1406.6	1407.6	1412.7	1419.6	1423.0	1431.1	1447.4	1459.5	1460.4
170°	1413.4	1417.3	1421.1	1422.0	1422.3	1422.7	1423.0	1431.1	1447.4	1459.5	1459.5
172.5°	1421.0	1421.9	1422.7	1423.0	1423.0	1423.0	1423.0	1429.4	1442.2	1451.8	1451.1
175°	1431.7	1431.7	1431.7	1431.7	1428.7	1424.9	1423.0	1427.0	1435.1	1441.2	1441.2
177.5°	1431.7	1431.7	1431.7	1431.7	1429.4	1426.4	1424.9	1428.1	1434.5	1439.3	1438.4
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935321

CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8
2.5°	4237.3	4225.6	4237.3	4229.5	4233.5	4221.7	4186.5	4174.8	4186.5	4198.3	4198.3
5°	4288.1	4280.4	4288.1	4288.1	4284.3	4276.4	4237.3	4229.5	4237.3	4241.2	4233.5
7.5°	4303.8	4292.1	4303.8	4296.0	4296.0	4288.1	4249.1	4241.2	4245.2	4256.9	4245.2
10°	4303.8	4292.1	4303.8	4299.9	4296.0	4288.1	4249.1	4233.5	4233.5	4245.2	4233.5
12.5°	4284.3	4276.4	4284.3	4276.4	4276.4	4268.6	4229.5	4213.9	4217.8	4221.7	4206.0
15°	4252.9	4241.2	4252.9	4245.2	4249.1	4237.3	4194.3	4178.7	4178.7	4186.5	4159.2
17.5°	4206.0	4190.4	4206.0	4202.1	4198.3	4190.4	4151.3	4135.7	4131.8	4135.7	4116.2
20°	4151.3	4139.6	4151.3	4147.5	4147.5	4131.8	4092.7	4073.1	4073.1	4073.1	4053.6
22.5°	4065.4	4053.6	4065.4	4073.1	4073.1	4069.2	4034.0	4006.7	3998.9	3998.9	3975.4
25°	3967.6	3955.9	3967.6	3967.6	3963.7	3967.6	3955.9	3940.2	3928.5	3916.8	3893.4
27.5°	3873.8	3866.0	3873.8	3866.0	3873.8	3862.1	3858.2	3854.2	3838.6	3826.9	3795.6
30°	3780.0	3772.2	3780.0	3772.2	3764.4	3756.5	3737.0	3729.2	3744.8	3737.0	3686.1
32.5°	3662.7	3654.9	3662.7	3662.7	3654.9	3654.9	3623.6	3611.9	3615.8	3639.3	3592.4
35°	3541.5	3529.8	3541.5	3537.6	3541.5	3529.8	3510.3	3506.3	3490.7	3518.1	3482.9
37.5°	3400.8	3389.1	3400.8	3400.8	3400.8	3408.6	3393.0	3381.3	3357.8	3393.0	3365.7
40°	3256.2	3240.5	3256.2	3252.2	3256.2	3264.0	3256.2	3248.4	3224.9	3252.2	3228.8
42.5°	3092.0	3088.1	3092.0	3095.9	3095.9	3111.6	3123.3	3107.6	3099.8	3080.3	3095.9
45°	2916.1	2908.3	2916.1	2923.9	2927.8	2935.6	2970.8	2970.8	2959.1	2927.8	2951.3
47.5°	2728.5	2708.9	2728.5	2751.9	2751.9	2763.7	2798.8	2826.2	2806.6	2767.5	2779.3
50°	2529.1	2533.0	2529.1	2544.8	2544.8	2587.7	2615.1	2642.5	2662.0	2615.1	2560.4
52.5°	2333.6	2329.8	2333.6	2345.4	2361.1	2380.5	2427.5	2454.8	2486.1	2458.8	2372.8
55°	2138.2	2146.1	2138.2	2142.1	2149.9	2161.7	2232.0	2259.4	2318.0	2282.8	2193.0
57.5°	1942.8	1931.0	1942.8	1950.6	1954.5	1966.2	2024.9	2075.7	2110.9	2114.7	2005.3
60°	1716.0	1700.4	1716.0	1751.2	1759.1	1766.8	1821.6	1868.5	1899.7	1911.5	1798.1
62.5°	1516.7	1489.3	1516.7	1540.2	1555.8	1575.3	1614.4	1684.8	1712.1	1716.0	1555.8
65°	1305.6	1293.9	1305.6	1352.5	1356.4	1379.8	1422.9	1473.7	1532.3	1524.5	1293.9
67.5°	1114.0	1114.0	1114.0	1145.3	1168.8	1180.5	1235.2	1258.7	1332.9	1340.8	1078.8
70°	938.2	934.2	938.2	961.6	977.2	1004.6	1055.4	1082.8	1141.4	1160.9	875.6
72.5°	770.1	766.2	770.1	789.6	805.3	828.7	871.7	903.0	953.8	977.2	680.1
75°	621.5	613.7	621.5	637.2	633.2	664.5	699.7	731.0	777.9	793.5	504.3
77.5°	476.9	476.9	476.9	492.6	492.6	523.8	539.5	578.5	605.9	629.3	371.4
80°	355.7	351.8	355.7	359.6	359.6	375.3	402.6	430.0	453.5	453.5	254.1
82.5°	250.2	242.3	250.2	250.2	250.2	258.0	273.7	281.4	297.1	308.8	160.2
85°	156.4	156.4	156.4	160.2	156.4	164.2	168.1	175.9	175.9	168.1	97.7
87.5°	101.6	97.7	101.6	97.7	97.7	93.8	93.8	93.8	89.9	86.0	54.7
90°	36.5	36.5	36.5	36.5	36.5	48.7	64.9	73.0	62.8	42.3	26.9
92.5°	146.2	117.2	146.2	175.3	182.6	258.8	360.4	411.3	361.1	260.7	185.4
95°	509.7	421.8	509.7	597.7	619.7	813.8	1072.6	1202.0	1015.2	641.5	361.3
97.5°	1221.5	1054.1	1221.5	1388.8	1430.7	1553.3	1716.9	1798.6	1487.1	864.1	396.9
100°	1759.8	1560.4	1759.8	1959.3	2009.1	2000.2	1988.2	1982.2	1636.5	945.1	426.6
102.5°	2289.4	2118.7	2289.4	2460.2	2503.0	2346.7	2138.3	2034.1	1683.5	982.3	456.4
105°	2964.7	2872.9	2964.7	3056.5	3079.5	2729.1	2262.0	2028.3	1688.8	1009.9	500.6
107.5°	3407.0	3429.2	3407.0	3384.8	3379.2	2890.5	2238.9	1913.0	1613.6	1014.9	566.0
110°	3575.6	3671.4	3575.6	3480.0	3456.1	2909.7	2181.2	1816.9	1547.0	1007.2	602.4



TEST NUMBER: P935321

CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3590.7	3737.7	3590.7	3443.8	3407.1	2847.9	2102.3	1729.5	1488.9	1007.6	646.6
115°	3495.5	3699.2	3495.5	3291.8	3240.9	2702.2	1983.9	1624.8	1422.1	1016.9	712.9
117.5°	3293.6	3519.5	3293.6	3067.7	3011.2	2525.1	1876.8	1552.7	1380.4	1035.8	777.3
120°	3130.9	3350.4	3130.9	2911.4	2856.5	2412.3	1820.0	1523.9	1366.4	1051.2	814.8
122.5°	2972.4	3189.0	2972.4	2756.0	2701.9	2301.8	1768.5	1501.8	1359.0	1073.3	859.0
125°	2746.4	2945.9	2746.4	2547.0	2497.2	2157.4	1704.3	1477.8	1352.9	1103.0	915.7
127.5°	2543.2	2711.5	2543.2	2374.9	2332.9	2041.1	1652.1	1457.6	1349.3	1132.8	970.4
130°	2423.4	2578.9	2423.4	2268.0	2229.2	1969.4	1623.1	1449.9	1351.5	1154.6	1006.9
132.5°	2314.8	2454.0	2314.8	2175.6	2140.8	1908.2	1598.1	1443.1	1352.8	1172.2	1036.7
135°	2165.8	2285.8	2165.8	2045.8	2015.8	1821.0	1561.5	1431.7	1351.6	1191.4	1071.3
137.5°	2046.4	2144.6	2046.4	1948.2	1923.6	1759.0	1539.5	1429.7	1359.9	1220.2	1115.5
140°	1964.4	2056.2	1964.4	1872.6	1849.6	1707.4	1517.7	1423.0	1361.3	1237.9	1145.3
142.5°	1896.4	1975.4	1896.4	1817.4	1797.7	1672.8	1506.3	1423.0	1366.1	1252.6	1167.4
145°	1794.6	1854.4	1794.6	1734.8	1719.9	1617.7	1481.5	1413.4	1366.2	1271.8	1201.0
147.5°	1716.5	1766.0	1716.5	1667.0	1654.6	1574.2	1467.0	1413.4	1375.6	1300.0	1243.3
150°	1667.3	1707.4	1667.3	1627.1	1617.1	1549.2	1458.7	1413.4	1380.5	1314.8	1265.4
152.5°	1625.2	1655.5	1625.2	1594.8	1587.3	1529.3	1452.1	1413.4	1383.7	1324.3	1279.8
155°	1576.8	1596.9	1576.8	1556.7	1551.7	1505.6	1444.1	1413.4	1390.8	1345.5	1311.5
157.5°	1538.6	1552.7	1538.6	1524.5	1521.0	1485.1	1437.3	1413.4	1397.9	1366.7	1343.3
160°	1515.7	1523.9	1515.7	1507.6	1505.6	1474.9	1433.9	1413.4	1401.0	1376.2	1357.7
162.5°	1500.8	1508.5	1500.8	1493.1	1491.2	1465.2	1430.7	1413.4	1404.4	1386.5	1373.0
165°	1479.2	1487.3	1479.2	1471.1	1469.1	1450.5	1425.8	1413.4	1409.3	1401.2	1395.1
167.5°	1463.8	1467.2	1463.8	1460.4	1459.5	1447.4	1431.1	1423.0	1419.6	1412.7	1407.6
170°	1459.5	1459.5	1459.5	1459.5	1459.5	1447.4	1431.1	1423.0	1422.7	1422.3	1422.0
172.5°	1448.1	1445.1	1448.1	1451.1	1451.8	1442.2	1429.4	1423.0	1423.0	1423.0	1423.0
175°	1441.2	1441.2	1441.2	1441.2	1441.2	1435.1	1427.0	1423.0	1424.9	1428.7	1431.7
177.5°	1435.0	1431.7	1435.0	1438.4	1439.3	1434.5	1428.1	1424.9	1426.4	1429.4	1431.7
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935321

CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8
2.5°	4190.4	4167.0	4167.0	4127.9	4112.3	4100.6	4081.0	4022.3	4006.7	3991.1	4014.5
5°	4225.6	4182.6	4151.3	4081.0	4022.3	3998.9	3924.6	3783.9	3690.1	3619.7	3580.7
7.5°	4233.5	4178.7	4120.0	4010.6	3869.9	3807.3	3580.7	3322.6	3252.2	3189.7	3150.6
10°	4225.6	4163.1	4081.0	3916.8	3584.5	3475.1	3248.4	3080.3	3037.3	3025.6	3037.3
12.5°	4198.3	4139.6	4026.3	3752.6	3287.4	3213.2	3080.3	2982.5	2974.7	2994.3	3099.8
15°	4151.3	4096.6	3963.7	3533.7	3123.3	3068.5	2974.7	2939.6	2982.5	3119.3	3436.0
17.5°	4104.4	4041.9	3877.7	3318.7	2998.2	2959.1	2892.7	2963.0	3205.4	3389.1	3494.6
20°	4041.9	3967.6	3780.0	3162.4	2908.3	2873.1	2841.8	3158.5	3342.2	3408.6	3467.2
22.5°	3967.6	3889.4	3647.1	3052.9	2814.5	2787.1	2806.6	3267.9	3342.2	3389.1	3439.9
25°	3869.9	3803.4	3490.7	2966.9	2740.2	2708.9	2783.2	3256.2	3299.1	3310.9	3412.6
27.5°	3780.0	3694.0	3326.6	2888.7	2650.3	2638.6	2802.7	3205.4	3236.6	3248.4	3357.8
30°	3670.5	3541.5	3142.8	2806.6	2556.5	2552.6	2806.6	3142.8	3135.0	3166.2	3275.7
32.5°	3557.2	3314.8	2935.6	2705.0	2466.5	2462.7	2779.3	3049.0	3041.2	3084.2	3166.2
35°	3451.6	3138.9	2654.2	2587.7	2353.2	2357.1	2712.9	2939.6	2943.5	2982.5	3033.3
37.5°	3342.2	2986.4	2345.4	2458.8	2243.8	2243.8	2622.9	2837.9	2830.1	2841.8	2912.2
40°	3213.2	2748.0	2071.8	2290.7	2142.1	2130.4	2513.5	2728.5	2701.1	2697.2	2794.9
42.5°	3076.4	2486.1	1868.5	2067.8	2024.9	2009.2	2380.5	2595.6	2544.8	2556.5	2681.5
45°	2927.8	2415.7	1712.1	1747.3	1903.7	1892.0	2235.9	2443.1	2407.9	2439.2	2568.2
47.5°	2779.3	2275.0	1661.4	1450.2	1774.7	1770.8	2075.7	2294.6	2275.0	2306.3	2443.1
50°	2576.0	2118.7	1657.4	1243.1	1630.0	1645.6	1884.1	2149.9	2149.9	2177.3	2321.9
52.5°	2314.1	1927.2	1505.0	1125.8	1461.9	1508.9	1716.0	2024.9	2032.6	2060.1	2189.0
55°	2075.7	1727.8	1395.5	1035.9	1262.6	1364.2	1551.9	1895.8	1911.5	1938.9	2056.1
57.5°	1856.8	1438.5	1372.1	930.3	1078.8	1176.6	1407.3	1770.8	1778.6	1802.0	1915.4
60°	1622.2	1039.8	1258.7	817.0	918.6	992.9	1274.4	1622.2	1649.6	1665.2	1762.9
62.5°	1356.4	754.4	1141.4	738.8	840.5	856.1	1164.9	1481.5	1516.7	1528.4	1587.0
65°	965.5	633.2	969.4	672.4	758.4	762.2	1047.6	1336.9	1368.1	1387.7	1430.7
67.5°	652.8	516.0	738.8	609.8	695.8	699.7	934.2	1168.8	1211.7	1227.5	1254.8
70°	453.5	344.0	547.2	543.3	625.5	633.2	813.0	1016.3	1055.4	1067.1	1082.8
72.5°	332.3	277.5	453.5	488.6	551.2	559.0	688.0	844.3	883.4	895.1	903.0
75°	254.1	293.1	367.4	426.0	469.1	473.0	562.9	688.0	715.3	723.2	727.0
77.5°	203.3	273.7	269.7	344.0	383.1	375.3	441.7	531.6	555.1	555.1	555.1
80°	152.5	215.0	203.3	246.2	281.4	273.7	316.6	379.1	387.0	394.8	390.9
82.5°	113.3	136.8	136.8	156.4	187.6	179.8	211.1	246.2	246.2	246.2	254.1
85°	70.4	78.2	62.5	82.1	105.6	101.6	117.3	132.9	136.8	136.8	129.0
87.5°	43.0	35.2	19.6	31.3	46.9	46.9	54.7	58.6	54.7	54.7	54.7
90°	24.9	17.3	9.6	17.3	24.9	26.9	42.3	62.8	73.0	64.9	48.7
92.5°	169.1	103.7	38.4	103.7	169.1	185.4	260.7	361.1	411.3	360.4	258.8
95°	331.4	211.8	92.2	211.8	331.4	361.3	641.5	1015.2	1202.0	1072.6	813.8
97.5°	370.4	265.0	159.5	265.0	370.4	396.9	864.1	1487.1	1798.6	1716.9	1553.3
100°	402.6	307.0	211.4	307.0	402.6	426.6	945.1	1636.5	1982.2	1988.2	2000.2
102.5°	434.0	344.8	255.6	344.8	434.0	456.4	982.3	1683.5	2034.1	2138.3	2346.7
105°	481.7	406.1	330.6	406.1	481.7	500.6	1009.9	1688.8	2028.3	2262.0	2729.1
107.5°	548.3	477.9	407.4	477.9	548.3	566.0	1014.9	1613.6	1913.0	2238.9	2890.5
110°	586.5	522.9	459.3	522.9	586.5	602.4	1007.2	1547.0	1816.9	2181.2	2909.7



TEST NUMBER: P935321

CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	631.5	570.9	510.2	570.9	631.5	646.6	1007.6	1488.9	1729.5	2102.3	2847.9
115°	698.9	643.0	587.0	643.0	698.9	712.9	1016.9	1422.1	1624.8	1983.9	2702.2
117.5°	764.6	713.8	663.0	713.8	764.6	777.3	1035.8	1380.4	1552.7	1876.8	2525.1
120°	802.9	755.0	707.2	755.0	802.9	814.8	1051.2	1366.4	1523.9	1820.0	2412.3
122.5°	846.9	798.7	750.4	798.7	846.9	859.0	1073.3	1359.0	1501.8	1768.5	2301.8
125°	904.7	860.7	816.7	860.7	904.7	915.7	1103.0	1352.9	1477.8	1704.3	2157.4
127.5°	959.3	914.9	870.5	914.9	959.3	970.4	1132.8	1349.3	1457.6	1652.1	2041.1
130°	995.0	947.2	899.4	947.2	995.0	1006.9	1154.6	1351.5	1449.9	1623.1	1969.4
132.5°	1024.8	977.0	929.2	977.0	1024.8	1036.7	1172.2	1352.8	1443.1	1598.1	1908.2
135°	1060.4	1016.9	973.4	1016.9	1060.4	1071.3	1191.4	1351.6	1431.7	1561.5	1821.0
137.5°	1104.7	1061.6	1018.5	1061.6	1104.7	1115.5	1220.2	1359.9	1429.7	1539.5	1759.0
140°	1135.4	1095.7	1056.0	1095.7	1135.4	1145.3	1237.9	1361.3	1423.0	1517.7	1707.4
142.5°	1158.2	1121.5	1084.8	1121.5	1158.2	1167.4	1252.6	1366.1	1423.0	1506.3	1672.8
145°	1193.0	1161.0	1129.0	1161.0	1193.0	1201.0	1271.8	1366.2	1413.4	1481.5	1617.7
147.5°	1235.5	1204.4	1173.2	1204.4	1235.5	1243.3	1300.0	1375.6	1413.4	1467.0	1574.2
150°	1258.3	1230.2	1202.0	1230.2	1258.3	1265.4	1314.8	1380.5	1413.4	1458.7	1549.2
152.5°	1274.5	1253.1	1231.8	1253.1	1274.5	1279.8	1324.3	1383.7	1413.4	1452.1	1529.3
155°	1307.6	1291.8	1276.0	1291.8	1307.6	1311.5	1345.5	1390.8	1413.4	1444.1	1505.6
157.5°	1339.4	1324.0	1308.6	1324.0	1339.4	1343.3	1366.7	1397.9	1413.4	1437.3	1485.1
160°	1354.7	1342.7	1330.7	1342.7	1354.7	1357.7	1376.2	1401.0	1413.4	1433.9	1474.9
162.5°	1370.8	1361.7	1352.8	1361.7	1370.8	1373.0	1386.5	1404.4	1413.4	1430.7	1465.2
165°	1393.1	1384.9	1376.8	1384.9	1393.1	1395.1	1401.2	1409.3	1413.4	1425.8	1450.5
167.5°	1406.6	1402.8	1398.9	1402.8	1406.6	1407.6	1412.7	1419.6	1423.0	1431.1	1447.4
170°	1421.1	1417.3	1413.4	1417.3	1421.1	1422.0	1422.3	1422.7	1423.0	1431.1	1447.4
172.5°	1422.7	1421.9	1421.0	1421.9	1422.7	1423.0	1423.0	1423.0	1423.0	1429.4	1442.2
175°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1428.7	1424.9	1423.0	1427.0	1435.1
177.5°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1429.4	1426.4	1424.9	1428.1	1434.5
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935321

CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8	4131.8
2.5°	3987.1	3975.4	3991.1	3948.1	3991.1	3975.4	3987.1	4014.5	3991.1	4006.7	4022.3
5°	3498.6	3479.0	3416.4	3365.7	3416.4	3479.0	3498.6	3580.7	3619.7	3690.1	3783.9
7.5°	3127.2	3111.6	3095.9	3064.7	3095.9	3111.6	3127.2	3150.6	3189.7	3252.2	3322.6
10°	3045.1	3049.0	3072.5	3068.5	3072.5	3049.0	3045.1	3037.3	3025.6	3037.3	3080.3
12.5°	3256.2	3291.4	3420.3	3412.6	3420.3	3291.4	3256.2	3099.8	2994.3	2974.7	2982.5
15°	3498.6	3510.3	3537.6	3541.5	3537.6	3510.3	3498.6	3436.0	3119.3	2982.5	2939.6
17.5°	3522.0	3525.9	3545.5	3545.5	3545.5	3525.9	3522.0	3494.6	3389.1	3205.4	2963.0
20°	3502.4	3510.3	3549.4	3557.2	3549.4	3510.3	3502.4	3467.2	3408.6	3342.2	3158.5
22.5°	3494.6	3510.3	3541.5	3537.6	3541.5	3510.3	3494.6	3439.9	3389.1	3342.2	3267.9
25°	3455.5	3455.5	3459.5	3463.4	3459.5	3455.5	3455.5	3412.6	3310.9	3299.1	3256.2
27.5°	3373.4	3381.3	3404.7	3400.8	3404.7	3381.3	3373.4	3357.8	3248.4	3236.6	3205.4
30°	3299.1	3291.4	3271.8	3256.2	3271.8	3291.4	3299.1	3275.7	3166.2	3135.0	3142.8
32.5°	3174.1	3154.5	3135.0	3123.3	3135.0	3154.5	3174.1	3166.2	3084.2	3041.2	3049.0
35°	3025.6	3029.5	3025.6	3013.9	3025.6	3029.5	3025.6	3033.3	2982.5	2943.5	2939.6
37.5°	2920.0	2927.8	2923.9	2908.3	2923.9	2927.8	2920.0	2912.2	2841.8	2830.1	2837.9
40°	2810.6	2814.5	2810.6	2798.8	2810.6	2814.5	2810.6	2794.9	2697.2	2701.1	2728.5
42.5°	2705.0	2701.1	2689.4	2681.5	2689.4	2701.1	2705.0	2681.5	2556.5	2544.8	2595.6
45°	2583.8	2587.7	2564.3	2552.6	2564.3	2587.7	2583.8	2568.2	2439.2	2407.9	2443.1
47.5°	2462.7	2462.7	2443.1	2431.4	2443.1	2462.7	2462.7	2443.1	2306.3	2275.0	2294.6
50°	2333.6	2329.8	2302.4	2298.5	2302.4	2329.8	2333.6	2321.9	2177.3	2149.9	2149.9
52.5°	2185.1	2185.1	2189.0	2196.8	2189.0	2185.1	2185.1	2189.0	2060.1	2032.6	2024.9
55°	2056.1	2060.1	2087.4	2095.2	2087.4	2060.1	2056.1	2056.1	1938.9	1911.5	1895.8
57.5°	1923.2	1923.2	1942.8	1942.8	1942.8	1923.2	1923.2	1915.4	1802.0	1778.6	1770.8
60°	1770.8	1778.6	1794.3	1790.3	1794.3	1778.6	1770.8	1762.9	1665.2	1649.6	1622.2
62.5°	1610.5	1618.3	1622.2	1614.4	1622.2	1618.3	1610.5	1587.0	1528.4	1516.7	1481.5
65°	1442.4	1450.2	1454.1	1446.3	1454.1	1450.2	1442.4	1430.7	1387.7	1368.1	1336.9
67.5°	1270.4	1266.5	1262.6	1278.2	1262.6	1266.5	1270.4	1254.8	1227.5	1211.7	1168.8
70°	1094.5	1094.5	1090.6	1098.4	1090.6	1094.5	1094.5	1082.8	1067.1	1055.4	1016.3
72.5°	906.9	903.0	918.6	906.9	918.6	903.0	906.9	903.0	895.1	883.4	844.3
75°	723.2	731.0	723.2	734.9	723.2	731.0	723.2	727.0	723.2	715.3	688.0
77.5°	551.2	559.0	551.2	551.2	551.2	559.0	551.2	555.1	555.1	555.1	531.6
80°	390.9	387.0	387.0	383.1	387.0	387.0	390.9	390.9	394.8	387.0	379.1
82.5°	250.2	246.2	246.2	254.1	246.2	246.2	250.2	254.1	246.2	246.2	246.2
85°	136.8	140.8	132.9	132.9	132.9	140.8	136.8	129.0	136.8	136.8	132.9
87.5°	50.8	46.9	46.9	46.9	46.9	46.9	50.8	54.7	54.7	54.7	58.6
90°	36.5	36.5	36.5	36.5	36.5	36.5	36.5	48.7	64.9	73.0	62.8
92.5°	182.6	175.3	146.2	117.2	146.2	175.3	182.6	258.8	360.4	411.3	361.1
95°	619.7	597.7	509.7	421.8	509.7	597.7	619.7	813.8	1072.6	1202.0	1015.2
97.5°	1430.7	1388.8	1221.5	1054.1	1221.5	1388.8	1430.7	1553.3	1716.9	1798.6	1487.1
100°	2009.1	1959.3	1759.8	1560.4	1759.8	1959.3	2009.1	2000.2	1988.2	1982.2	1636.5
102.5°	2503.0	2460.2	2289.4	2118.7	2289.4	2460.2	2503.0	2346.7	2138.3	2034.1	1683.5
105°	3079.5	3056.5	2964.7	2872.9	2964.7	3056.5	3079.5	2729.1	2262.0	2028.3	1688.8
107.5°	3379.2	3384.8	3407.0	3429.2	3407.0	3384.8	3379.2	2890.5	2238.9	1913.0	1613.6
110°	3456.1	3480.0	3575.6	3671.4	3575.6	3480.0	3456.1	2909.7	2181.2	1816.9	1547.0



TEST NUMBER: P935321

CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3407.1	3443.8	3590.7	3737.7	3590.7	3443.8	3407.1	2847.9	2102.3	1729.5	1488.9
115°	3240.9	3291.8	3495.5	3699.2	3495.5	3291.8	3240.9	2702.2	1983.9	1624.8	1422.1
117.5°	3011.2	3067.7	3293.6	3519.5	3293.6	3067.7	3011.2	2525.1	1876.8	1552.7	1380.4
120°	2856.5	2911.4	3130.9	3350.4	3130.9	2911.4	2856.5	2412.3	1820.0	1523.9	1366.4
122.5°	2701.9	2756.0	2972.4	3189.0	2972.4	2756.0	2701.9	2301.8	1768.5	1501.8	1359.0
125°	2497.2	2547.0	2746.4	2945.9	2746.4	2547.0	2497.2	2157.4	1704.3	1477.8	1352.9
127.5°	2332.9	2374.9	2543.2	2711.5	2543.2	2374.9	2332.9	2041.1	1652.1	1457.6	1349.3
130°	2229.2	2268.0	2423.4	2578.9	2423.4	2268.0	2229.2	1969.4	1623.1	1449.9	1351.5
132.5°	2140.8	2175.6	2314.8	2454.0	2314.8	2175.6	2140.8	1908.2	1598.1	1443.1	1352.8
135°	2015.8	2045.8	2165.8	2285.8	2165.8	2045.8	2015.8	1821.0	1561.5	1431.7	1351.6
137.5°	1923.6	1948.2	2046.4	2144.6	2046.4	1948.2	1923.6	1759.0	1539.5	1429.7	1359.9
140°	1849.6	1872.6	1964.4	2056.2	1964.4	1872.6	1849.6	1707.4	1517.7	1423.0	1361.3
142.5°	1797.7	1817.4	1896.4	1975.4	1896.4	1817.4	1797.7	1672.8	1506.3	1423.0	1366.1
145°	1719.9	1734.8	1794.6	1854.4	1794.6	1734.8	1719.9	1617.7	1481.5	1413.4	1366.2
147.5°	1654.6	1667.0	1716.5	1766.0	1716.5	1667.0	1654.6	1574.2	1467.0	1413.4	1375.6
150°	1617.1	1627.1	1667.3	1707.4	1667.3	1627.1	1617.1	1549.2	1458.7	1413.4	1380.5
152.5°	1587.3	1594.8	1625.2	1655.5	1625.2	1594.8	1587.3	1529.3	1452.1	1413.4	1383.7
155°	1551.7	1556.7	1576.8	1596.9	1576.8	1556.7	1551.7	1505.6	1444.1	1413.4	1390.8
157.5°	1521.0	1524.5	1538.6	1552.7	1538.6	1524.5	1521.0	1485.1	1437.3	1413.4	1397.9
160°	1505.6	1507.6	1515.7	1523.9	1515.7	1507.6	1505.6	1474.9	1433.9	1413.4	1401.0
162.5°	1491.2	1493.1	1500.8	1508.5	1500.8	1493.1	1491.2	1465.2	1430.7	1413.4	1404.4
165°	1469.1	1471.1	1479.2	1487.3	1479.2	1471.1	1469.1	1450.5	1425.8	1413.4	1409.3
167.5°	1459.5	1460.4	1463.8	1467.2	1463.8	1460.4	1459.5	1447.4	1431.1	1423.0	1419.6
170°	1459.5	1459.5	1459.5	1459.5	1459.5	1459.5	1459.5	1447.4	1431.1	1423.0	1422.7
172.5°	1451.8	1451.1	1448.1	1445.1	1448.1	1451.1	1451.8	1442.2	1429.4	1423.0	1423.0
175°	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1435.1	1427.0	1423.0	1424.9
177.5°	1439.3	1438.4	1435.0	1431.7	1435.0	1438.4	1439.3	1434.5	1428.1	1424.9	1426.4
180°	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935321

CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4131.8	4131.8	4131.8	4131.8	4131.8
2.5°	4081.0	4100.6	4112.3	4127.9	4167.0
5°	3924.6	3998.9	4022.3	4081.0	4151.3
7.5°	3580.7	3807.3	3869.9	4010.6	4120.0
10°	3248.4	3475.1	3584.5	3916.8	4081.0
12.5°	3080.3	3213.2	3287.4	3752.6	4026.3
15°	2974.7	3068.5	3123.3	3533.7	3963.7
17.5°	2892.7	2959.1	2998.2	3318.7	3877.7
20°	2841.8	2873.1	2908.3	3162.4	3780.0
22.5°	2806.6	2787.1	2814.5	3052.9	3647.1
25°	2783.2	2708.9	2740.2	2966.9	3490.7
27.5°	2802.7	2638.6	2650.3	2888.7	3326.6
30°	2806.6	2552.6	2556.5	2806.6	3142.8
32.5°	2779.3	2462.7	2466.5	2705.0	2935.6
35°	2712.9	2357.1	2353.2	2587.7	2654.2
37.5°	2622.9	2243.8	2243.8	2458.8	2345.4
40°	2513.5	2130.4	2142.1	2290.7	2071.8
42.5°	2380.5	2009.2	2024.9	2067.8	1868.5
45°	2235.9	1892.0	1903.7	1747.3	1712.1
47.5°	2075.7	1770.8	1774.7	1450.2	1661.4
50°	1884.1	1645.6	1630.0	1243.1	1657.4
52.5°	1716.0	1508.9	1461.9	1125.8	1505.0
55°	1551.9	1364.2	1262.6	1035.9	1395.5
57.5°	1407.3	1176.6	1078.8	930.3	1372.1
60°	1274.4	992.9	918.6	817.0	1258.7
62.5°	1164.9	856.1	840.5	738.8	1141.4
65°	1047.6	762.2	758.4	672.4	969.4
67.5°	934.2	699.7	695.8	609.8	738.8
70°	813.0	633.2	625.5	543.3	547.2
72.5°	688.0	559.0	551.2	488.6	453.5
75°	562.9	473.0	469.1	426.0	367.4
77.5°	441.7	375.3	383.1	344.0	269.7
80°	316.6	273.7	281.4	246.2	203.3
82.5°	211.1	179.8	187.6	156.4	136.8
85°	117.3	101.6	105.6	82.1	62.5
87.5°	54.7	46.9	46.9	31.3	19.6
90°	42.3	26.9	24.9	17.3	9.6
92.5°	260.7	185.4	169.1	103.7	38.4
95°	641.5	361.3	331.4	211.8	92.2
97.5°	864.1	396.9	370.4	265.0	159.5
100°	945.1	426.6	402.6	307.0	211.4
102.5°	982.3	456.4	434.0	344.8	255.6
105°	1009.9	500.6	481.7	406.1	330.6
107.5°	1014.9	566.0	548.3	477.9	407.4
110°	1007.2	602.4	586.5	522.9	459.3



TEST NUMBER: P935321

CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1007.6	646.6	631.5	570.9	510.2
115°	1016.9	712.9	698.9	643.0	587.0
117.5°	1035.8	777.3	764.6	713.8	663.0
120°	1051.2	814.8	802.9	755.0	707.2
122.5°	1073.3	859.0	846.9	798.7	750.4
125°	1103.0	915.7	904.7	860.7	816.7
127.5°	1132.8	970.4	959.3	914.9	870.5
130°	1154.6	1006.9	995.0	947.2	899.4
132.5°	1172.2	1036.7	1024.8	977.0	929.2
135°	1191.4	1071.3	1060.4	1016.9	973.4
137.5°	1220.2	1115.5	1104.7	1061.6	1018.5
140°	1237.9	1145.3	1135.4	1095.7	1056.0
142.5°	1252.6	1167.4	1158.2	1121.5	1084.8
145°	1271.8	1201.0	1193.0	1161.0	1129.0
147.5°	1300.0	1243.3	1235.5	1204.4	1173.2
150°	1314.8	1265.4	1258.3	1230.2	1202.0
152.5°	1324.3	1279.8	1274.5	1253.1	1231.8
155°	1345.5	1311.5	1307.6	1291.8	1276.0
157.5°	1366.7	1343.3	1339.4	1324.0	1308.6
160°	1376.2	1357.7	1354.7	1342.7	1330.7
162.5°	1386.5	1373.0	1370.8	1361.7	1352.8
165°	1401.2	1395.1	1393.1	1384.9	1376.8
167.5°	1412.7	1407.6	1406.6	1402.8	1398.9
170°	1422.3	1422.0	1421.1	1417.3	1413.4
172.5°	1423.0	1423.0	1422.7	1421.9	1421.0
175°	1428.7	1431.7	1431.7	1431.7	1431.7
177.5°	1429.4	1431.7	1431.7	1431.7	1431.7
180°	1431.7	1431.7	1431.7	1431.7	1431.7



TEST NUMBER: P935321
 CATALOG NUMBER: SQ4-FA-100U-125D-927-1D-UNV-STD-W-12

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.99	14.89	14.92	15.83	17.05	16.84	17.74	17.77	18.68	19.90
	3H	14.47	15.27	15.41	16.22	17.47	18.20	19.00	19.13	19.95	21.19
	4H	14.66	15.42	15.61	16.38	17.63	18.65	19.40	19.60	20.36	21.61
	6H	14.78	15.48	15.75	16.44	17.71	18.94	19.64	19.90	20.60	21.86
	8H	14.79	15.45	15.76	16.43	17.69	19.02	19.68	19.99	20.66	21.92
	12H	14.76	15.39	15.73	16.36	17.65	19.06	19.69	20.04	20.67	21.95
4H	2H	15.03	15.79	15.99	16.75	18.00	17.25	18.01	18.21	18.97	20.22
	3H	16.06	16.69	17.03	17.68	18.95	18.77	19.40	19.74	20.39	21.65
	4H	16.34	16.92	17.32	17.90	19.19	19.30	19.88	20.28	20.86	22.15
	6H	16.47	16.96	17.46	17.97	19.26	19.68	20.17	20.67	21.18	22.47
	8H	16.47	16.94	17.46	17.94	19.24	19.79	20.25	20.78	21.25	22.55
	12H	16.44	16.86	17.45	17.88	19.18	19.85	20.27	20.86	21.28	22.59
8H	4H	16.80	17.26	17.79	18.26	19.56	19.43	19.89	20.42	20.89	22.20
	6H	17.06	17.45	18.08	18.49	19.79	19.87	20.26	20.89	21.30	22.60
	8H	17.11	17.44	18.13	18.47	19.79	20.03	20.37	21.05	21.39	22.71
	12H	17.09	17.39	18.12	18.41	19.77	20.13	20.43	21.16	21.45	22.82
12H	4H	16.81	17.23	17.82	18.24	19.55	19.40	19.81	20.41	20.83	22.14
	6H	17.12	17.46	18.15	18.49	19.81	19.87	20.21	20.89	21.24	22.56
	8H	17.19	17.49	18.22	18.51	19.88	20.04	20.34	21.07	21.36	22.72