

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: P934849

Luminaire Tested: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934849
REPORT IS A COMBINATION OF REPORTS P933713 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

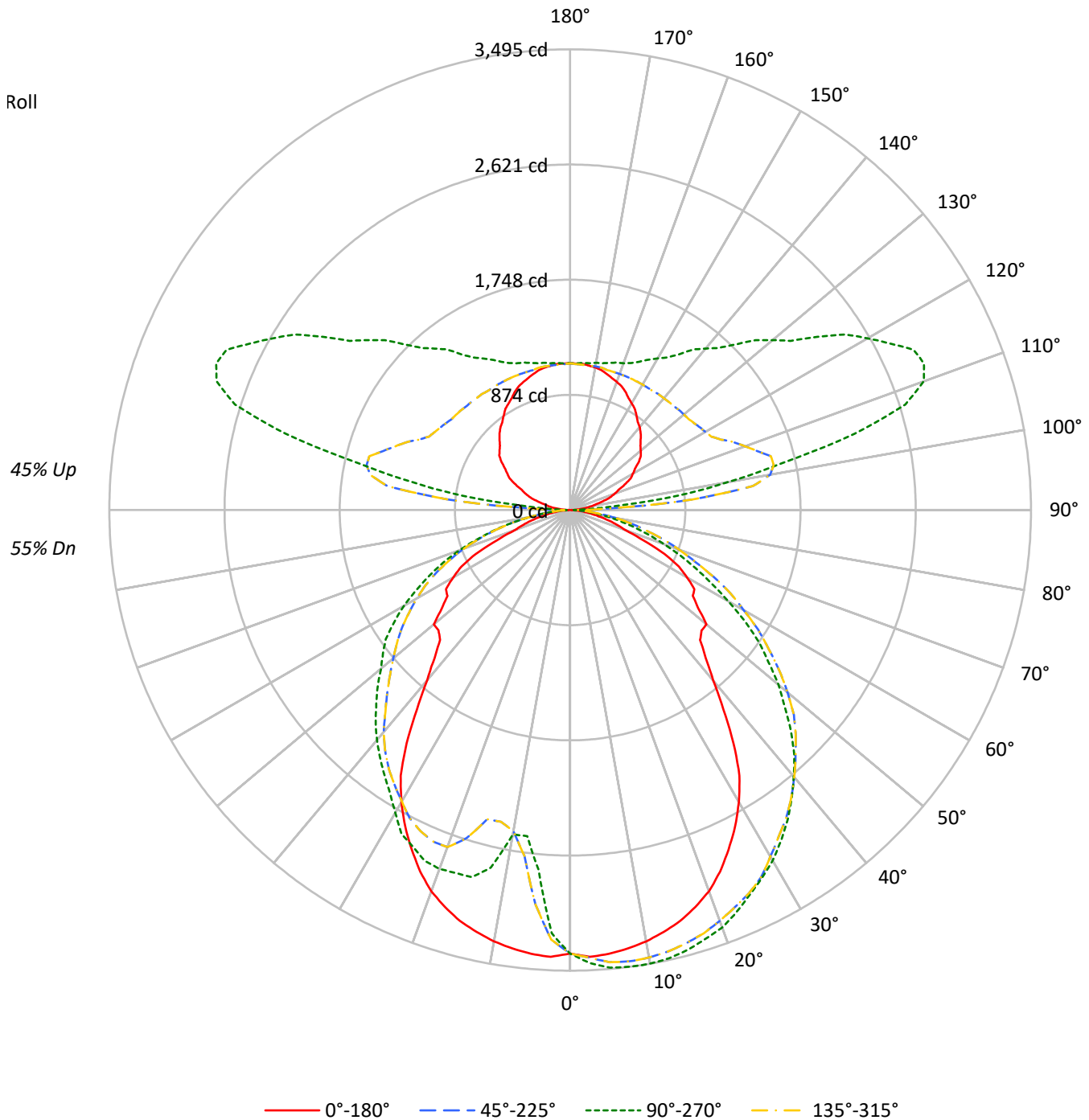
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15940.3 lumens
Efficiency: N/A
Efficacy: 103.8 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): 153.6
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

TEST NUMBER: P934849
CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P934849

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12

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	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10406	10406	10406	10406
5°	10488	10505	10488	8260
10°	10421	10347	10421	7397
15°	10312	10123	10312	8453
20°	10100	9858	10100	8471
25°	9663	9470	9663	8291
30°	9096	9149	9096	7897
35°	8113	8742	8113	7464
40°	6764	8263	6764	7137
45°	6048	7702	6048	6760
50°	6430	7034	6430	6383
55°	6055	6314	6055	6164
60°	6250	5362	6250	5646
65°	5675	4433	5675	4955
70°	3940	3533	3940	4154
75°	3468	2611	3468	3127
80°	2815	1726	2815	1880
85°	1649	914	1649	777

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9263 cd/sqm



TEST NUMBER: P934849

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.7	1.9
10°-20°	862.2	5.4
20°-30°	1332.9	8.4
30°-40°	1591.2	10.0
40°-50°	1600.5	10.0
50°-60°	1392.6	8.7
60°-70°	987.4	6.2
70°-80°	522.4	3.3
80°-90°	134.3	0.8
90°-100°	542.4	3.4
100°-110°	1426.0	8.9
110°-120°	1478.5	9.3
120°-130°	1186.0	7.4
130°-140°	930.6	5.8
140°-150°	714.3	4.5
150°-160°	514.4	3.2
160°-170°	314.7	2.0
170°-180°	106.3	0.7
0°-30°	2498.8	15.7
0°-40°	4090.0	25.7
0°-60°	7083.1	44.4
0°-90°	8727.2	54.7
90°-120°	3446.9	21.6
90°-150°	6277.7	39.4
90°-180°	7213.0	45.2
0°-180°	15940.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3364	3364	3364	3364	3364	
5°	3380	3485	3380	2740	3380	321
15°	3227	3453	3227	2884	3227	908
25°	2842	3221	2842	2820	2842	1305
35°	2161	2874	2161	2454	2161	1337
45°	1394	2368	1394	2078	1394	1117
55°	1136	1747	1136	1706	1136	1044
65°	789	1054	789	1178	789	754
75°	299	500	299	598	299	315
85°	51	127	51	108	51	69
90°	8	28	8	28	8	8
95°	72	328	72	328	72	80
105°	257	2233	257	2233	257	272
115°	456	2875	456	2875	456	451
125°	635	2290	635	2290	635	564
135°	756	1777	756	1777	756	585
145°	877	1441	877	1441	877	550
155°	992	1241	992	1241	992	456
165°	1070	1156	1070	1156	1070	302
175°	1113	1120	1113	1120	1113	106
180°	1113	1113	1113	1113	1113	



TEST NUMBER: P934849

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3392.9	3392.9	3412.0	3418.4	3418.4	3408.8	3399.3	3408.8	3437.5	3447.0	3443.8
5°	3380.2	3405.7	3440.7	3447.0	3453.4	3450.3	3443.8	3450.3	3482.0	3488.4	3491.6
7.5°	3354.7	3402.5	3447.0	3456.6	3466.1	3456.6	3453.4	3459.8	3491.6	3497.9	3497.9
10°	3322.9	3389.8	3440.7	3447.0	3456.6	3447.0	3447.0	3459.8	3491.6	3497.9	3501.2
12.5°	3278.3	3370.7	3418.4	3424.8	3437.5	3434.3	3431.1	3443.8	3475.7	3482.0	3482.0
15°	3227.4	3335.7	3380.2	3386.6	3408.8	3402.5	3402.5	3415.2	3450.3	3459.8	3456.6
17.5°	3157.4	3291.1	3342.0	3351.6	3367.5	3364.2	3367.5	3380.2	3412.0	3418.4	3421.6
20°	3077.8	3230.6	3291.1	3300.7	3316.6	3316.6	3316.6	3332.4	3364.2	3377.0	3377.0
22.5°	2969.6	3167.0	3230.6	3237.0	3256.1	3256.1	3262.4	3284.7	3313.3	3316.6	3316.6
25°	2842.3	3096.9	3151.1	3170.2	3189.2	3198.8	3208.3	3221.1	3230.6	3227.4	3230.6
27.5°	2708.6	3007.8	3077.8	3090.6	3116.0	3125.6	3138.3	3141.5	3144.6	3154.2	3147.8
30°	2559.0	2883.7	2988.7	3001.5	3042.8	3049.2	3036.5	3042.8	3058.7	3065.1	3071.5
32.5°	2390.3	2699.0	2896.4	2925.0	2963.2	2944.1	2941.0	2950.5	2976.0	2976.0	2982.3
35°	2161.2	2555.9	2810.5	2836.0	2864.5	2842.3	2855.0	2858.2	2874.1	2883.7	2880.5
37.5°	1909.7	2431.7	2721.4	2740.5	2762.7	2734.1	2753.2	2762.7	2775.5	2769.1	2769.1
40°	1686.9	2237.6	2616.3	2629.0	2648.1	2625.9	2644.9	2651.3	2657.7	2651.3	2648.1
42.5°	1521.4	2024.3	2504.9	2520.9	2508.1	2524.0	2530.3	2543.1	2533.5	2520.9	2520.9
45°	1394.1	1967.0	2383.9	2403.1	2383.9	2409.4	2419.0	2419.0	2390.3	2383.9	2380.8
47.5°	1352.7	1852.4	2263.0	2263.0	2253.5	2285.3	2301.2	2278.9	2250.2	2240.8	2240.8
50°	1349.5	1725.1	2097.5	2084.7	2129.3	2167.5	2151.6	2129.3	2107.1	2072.1	2072.1
52.5°	1225.4	1569.1	1884.2	1932.0	2002.0	2024.3	1998.8	1976.6	1938.4	1922.5	1909.7
55°	1136.2	1406.9	1690.1	1785.6	1858.8	1887.5	1839.7	1817.4	1760.1	1750.5	1744.2
57.5°	1117.2	1171.3	1511.9	1632.8	1722.0	1718.7	1690.1	1648.7	1600.9	1591.5	1588.3
60°	1024.9	846.6	1320.9	1464.1	1556.5	1546.9	1521.4	1483.2	1438.7	1432.3	1425.9
62.5°	929.4	614.3	1104.4	1266.8	1397.3	1394.1	1371.8	1314.5	1282.7	1266.8	1254.0
65°	789.3	515.6	786.1	1053.5	1241.3	1247.7	1199.9	1158.6	1123.6	1104.4	1101.2
67.5°	601.5	420.1	531.5	878.5	1091.8	1085.3	1024.9	1005.8	961.2	951.6	932.6
70°	445.6	280.1	369.2	713.0	945.3	929.4	881.6	859.4	818.0	795.7	783.0
72.5°	369.2	226.0	270.5	553.8	795.7	776.6	735.2	709.8	674.8	655.6	643.0
75°	299.2	238.7	206.9	410.6	646.1	633.4	595.2	569.7	541.1	515.6	518.8
77.5°	219.6	222.8	165.5	302.4	512.5	493.4	471.0	439.2	426.5	401.0	401.0
80°	165.5	175.1	124.1	206.9	369.2	369.2	350.1	327.9	305.5	292.9	292.9
82.5°	111.4	111.4	92.3	130.5	251.4	241.9	229.2	222.8	210.1	203.7	203.7
85°	50.9	63.7	57.3	79.6	136.8	143.3	143.3	136.8	133.7	127.3	130.5
87.5°	15.9	28.7	35.0	44.6	70.0	73.2	76.4	76.4	76.4	79.6	79.6
90°	7.5	13.4	19.4	20.9	32.8	48.8	56.8	50.4	37.8	28.3	28.3
92.5°	29.9	80.6	131.5	144.1	202.6	280.6	319.6	280.1	201.2	141.9	136.3
95°	71.7	164.6	257.6	280.8	498.6	789.0	934.2	833.7	632.5	481.6	464.5
97.5°	124.0	206.0	288.0	308.4	671.6	1155.8	1397.9	1334.3	1207.2	1111.9	1079.4
100°	164.3	238.7	313.0	331.6	734.6	1271.9	1540.6	1545.2	1554.5	1561.5	1522.7
102.5°	198.7	268.0	337.3	354.7	763.4	1308.4	1580.9	1661.9	1823.9	1945.3	1912.2
105°	256.9	315.7	374.4	389.1	784.9	1312.6	1576.4	1758.0	2121.1	2393.4	2375.6
107.5°	316.6	371.4	426.2	439.9	788.9	1254.2	1486.8	1740.1	2246.6	2626.4	2630.7
110°	356.9	406.4	455.9	468.2	782.8	1202.4	1412.2	1695.3	2261.5	2686.1	2704.7



TEST NUMBER: P934849

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	396.5	443.7	490.8	502.6	783.2	1157.2	1344.2	1633.9	2213.5	2648.1	2676.6
115°	456.3	499.7	543.2	554.1	790.3	1105.3	1262.8	1541.9	2100.2	2518.9	2558.4
117.5°	515.3	554.8	594.2	604.1	805.0	1072.8	1206.7	1458.6	1962.5	2340.3	2384.3
120°	549.7	586.8	623.9	633.2	817.0	1061.9	1184.3	1414.5	1874.8	2220.1	2262.8
122.5°	583.2	620.7	658.2	667.6	834.2	1056.2	1167.2	1374.4	1789.0	2099.9	2142.0
125°	634.8	669.0	703.2	711.7	857.3	1051.4	1148.5	1324.6	1676.7	1940.9	1979.6
127.5°	676.6	711.1	745.7	754.3	880.5	1048.7	1132.9	1284.1	1586.4	1813.2	1845.9
130°	699.0	736.2	773.3	782.6	897.4	1050.3	1126.8	1261.4	1530.6	1732.5	1762.7
132.5°	722.1	759.3	796.4	805.7	911.0	1051.4	1121.6	1242.1	1483.1	1663.8	1690.9
135°	756.5	790.3	824.2	832.6	926.0	1050.5	1112.7	1213.6	1415.4	1566.7	1590.0
137.5°	791.6	825.1	858.6	867.0	948.4	1056.9	1111.2	1196.5	1367.1	1495.0	1514.1
140°	820.7	851.5	882.4	890.1	962.1	1058.0	1106.0	1179.7	1327.0	1437.5	1455.4
142.5°	843.1	871.7	900.2	907.3	973.6	1061.8	1106.0	1170.7	1300.1	1397.2	1412.6
145°	877.4	902.3	927.2	933.5	988.5	1061.8	1098.5	1151.4	1257.3	1336.8	1348.4
147.5°	911.8	936.1	960.3	966.3	1010.4	1069.1	1098.5	1140.2	1223.5	1285.9	1295.6
150°	934.2	956.1	978.1	983.5	1021.8	1073.0	1098.5	1133.7	1204.0	1256.8	1264.6
152.5°	957.3	974.0	990.5	994.7	1029.3	1075.5	1098.5	1128.5	1188.6	1233.6	1239.5
155°	991.7	1004.0	1016.3	1019.3	1045.7	1080.9	1098.5	1122.4	1170.2	1206.0	1210.0
157.5°	1017.1	1029.0	1041.0	1044.0	1062.1	1086.4	1098.5	1117.1	1154.2	1182.1	1184.8
160°	1034.3	1043.6	1052.9	1055.2	1069.7	1088.9	1098.5	1114.4	1146.3	1170.2	1171.8
162.5°	1051.4	1058.4	1065.3	1067.1	1077.5	1091.5	1098.5	1111.9	1138.8	1159.0	1160.5
165°	1070.2	1076.4	1082.7	1084.3	1089.0	1095.4	1098.5	1108.1	1127.3	1141.8	1143.4
167.5°	1087.3	1090.2	1093.3	1094.0	1098.0	1103.3	1106.0	1112.2	1124.8	1134.3	1135.0
170°	1098.5	1101.5	1104.5	1105.2	1105.5	1105.8	1106.0	1112.2	1124.8	1134.3	1134.3
172.5°	1104.4	1105.1	1105.8	1106.0	1106.0	1106.0	1106.0	1111.0	1120.9	1128.4	1127.8
175°	1112.7	1112.7	1112.7	1112.7	1110.5	1107.5	1106.0	1109.1	1115.4	1120.2	1120.2
177.5°	1112.7	1112.7	1112.7	1112.7	1111.0	1108.6	1107.5	1110.0	1115.0	1118.7	1118.0
180°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7



TEST NUMBER: P934849

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3450.3	3440.7	3450.3	3443.8	3447.0	3437.5	3408.8	3399.3	3408.8	3418.4	3418.4
5°	3491.6	3485.3	3491.6	3491.6	3488.4	3482.0	3450.3	3443.8	3450.3	3453.4	3447.0
7.5°	3504.3	3494.8	3504.3	3497.9	3497.9	3491.6	3459.8	3453.4	3456.6	3466.1	3456.6
10°	3504.3	3494.8	3504.3	3501.2	3497.9	3491.6	3459.8	3447.0	3447.0	3456.6	3447.0
12.5°	3488.4	3482.0	3488.4	3482.0	3482.0	3475.7	3443.8	3431.1	3434.3	3437.5	3424.8
15°	3462.9	3453.4	3462.9	3456.6	3459.8	3450.3	3415.2	3402.5	3402.5	3408.8	3386.6
17.5°	3424.8	3412.0	3424.8	3421.6	3418.4	3412.0	3380.2	3367.5	3364.2	3367.5	3351.6
20°	3380.2	3370.7	3380.2	3377.0	3377.0	3364.2	3332.4	3316.6	3316.6	3316.6	3300.7
22.5°	3310.2	3300.7	3310.2	3316.6	3316.6	3313.3	3284.7	3262.4	3256.1	3256.1	3237.0
25°	3230.6	3221.1	3230.6	3230.6	3227.4	3230.6	3221.1	3208.3	3198.8	3189.2	3170.2
27.5°	3154.2	3147.8	3154.2	3147.8	3154.2	3144.6	3141.5	3138.3	3125.6	3116.0	3090.6
30°	3077.8	3071.5	3077.8	3071.5	3065.1	3058.7	3042.8	3036.5	3049.2	3042.8	3001.5
32.5°	2982.3	2976.0	2982.3	2982.3	2976.0	2976.0	2950.5	2941.0	2944.1	2963.2	2925.0
35°	2883.7	2874.1	2883.7	2880.5	2883.7	2874.1	2858.2	2855.0	2842.3	2864.5	2836.0
37.5°	2769.1	2759.5	2769.1	2769.1	2769.1	2775.5	2762.7	2753.2	2734.1	2762.7	2740.5
40°	2651.3	2638.6	2651.3	2648.1	2651.3	2657.7	2651.3	2644.9	2625.9	2648.1	2629.0
42.5°	2517.6	2514.4	2517.6	2520.9	2520.9	2533.5	2543.1	2530.3	2524.0	2508.1	2520.9
45°	2374.4	2368.0	2374.4	2380.8	2383.9	2390.3	2419.0	2419.0	2409.4	2383.9	2403.1
47.5°	2221.7	2205.8	2221.7	2240.8	2240.8	2250.2	2278.9	2301.2	2285.3	2253.5	2263.0
50°	2059.3	2062.5	2059.3	2072.1	2072.1	2107.1	2129.3	2151.6	2167.5	2129.3	2084.7
52.5°	1900.1	1897.0	1900.1	1909.7	1922.5	1938.4	1976.6	1998.8	2024.3	2002.0	1932.0
55°	1741.0	1747.4	1741.0	1744.2	1750.5	1760.1	1817.4	1839.7	1887.5	1858.8	1785.6
57.5°	1581.9	1572.4	1581.9	1588.3	1591.5	1600.9	1648.7	1690.1	1718.7	1722.0	1632.8
60°	1397.3	1384.5	1397.3	1425.9	1432.3	1438.7	1483.2	1521.4	1546.9	1556.5	1464.1
62.5°	1234.9	1212.7	1234.9	1254.0	1266.8	1282.7	1314.5	1371.8	1394.1	1397.3	1266.8
65°	1063.1	1053.5	1063.1	1101.2	1104.4	1123.6	1158.6	1199.9	1247.7	1241.3	1053.5
67.5°	907.1	907.1	907.1	932.6	951.6	961.2	1005.8	1024.9	1085.3	1091.8	878.5
70°	763.9	760.7	763.9	783.0	795.7	818.0	859.4	881.6	929.4	945.3	713.0
72.5°	627.1	623.9	627.1	643.0	655.6	674.8	709.8	735.2	776.6	795.7	553.8
75°	506.1	499.7	506.1	518.8	515.6	541.1	569.7	595.2	633.4	646.1	410.6
77.5°	388.3	388.3	388.3	401.0	401.0	426.5	439.2	471.0	493.4	512.5	302.4
80°	289.6	286.4	289.6	292.9	292.9	305.5	327.9	350.1	369.2	369.2	206.9
82.5°	203.7	197.3	203.7	203.7	203.7	210.1	222.8	229.2	241.9	251.4	130.5
85°	127.3	127.3	127.3	130.5	127.3	133.7	136.8	143.3	143.3	136.8	79.6
87.5°	82.8	79.6	82.8	79.6	79.6	76.4	76.4	76.4	73.2	70.0	44.6
90°	28.3	28.3	28.3	28.3	28.3	37.8	50.4	56.8	48.8	32.8	20.9
92.5°	113.7	91.1	113.7	136.3	141.9	201.2	280.1	319.6	280.6	202.6	144.1
95°	396.2	327.9	396.2	464.5	481.6	632.5	833.7	934.2	789.0	498.6	280.8
97.5°	949.3	819.2	949.3	1079.4	1111.9	1207.2	1334.3	1397.9	1155.8	671.6	308.4
100°	1367.7	1212.8	1367.7	1522.7	1561.5	1554.5	1545.2	1540.6	1271.9	734.6	331.6
102.5°	1779.4	1646.6	1779.4	1912.2	1945.3	1823.9	1661.9	1580.9	1308.4	763.4	354.7
105°	2304.2	2232.8	2304.2	2375.6	2393.4	2121.1	1758.0	1576.4	1312.6	784.9	389.1
107.5°	2648.0	2665.2	2648.0	2630.7	2626.4	2246.6	1740.1	1486.8	1254.2	788.9	439.9
110°	2779.0	2853.4	2779.0	2704.7	2686.1	2261.5	1695.3	1412.2	1202.4	782.8	468.2



TEST NUMBER: P934849

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2790.7	2904.9	2790.7	2676.6	2648.1	2213.5	1633.9	1344.2	1157.2	783.2	502.6
115°	2716.7	2875.1	2716.7	2558.4	2518.9	2100.2	1541.9	1262.8	1105.3	790.3	554.1
117.5°	2559.8	2735.4	2559.8	2384.3	2340.3	1962.5	1458.6	1206.7	1072.8	805.0	604.1
120°	2433.4	2604.0	2433.4	2262.8	2220.1	1874.8	1414.5	1184.3	1061.9	817.0	633.2
122.5°	2310.2	2478.5	2310.2	2142.0	2099.9	1789.0	1374.4	1167.2	1056.2	834.2	667.6
125°	2134.6	2289.6	2134.6	1979.6	1940.9	1676.7	1324.6	1148.5	1051.4	857.3	711.7
127.5°	1976.7	2107.4	1976.7	1845.9	1813.2	1586.4	1284.1	1132.9	1048.7	880.5	754.3
130°	1883.5	2004.4	1883.5	1762.7	1732.5	1530.6	1261.4	1126.8	1050.3	897.4	782.6
132.5°	1799.0	1907.3	1799.0	1690.9	1663.8	1483.1	1242.1	1121.6	1051.4	911.0	805.7
135°	1683.3	1776.6	1683.3	1590.0	1566.7	1415.4	1213.6	1112.7	1050.5	926.0	832.6
137.5°	1590.4	1666.8	1590.4	1514.1	1495.0	1367.1	1196.5	1111.2	1056.9	948.4	867.0
140°	1526.7	1598.1	1526.7	1455.4	1437.5	1327.0	1179.7	1106.0	1058.0	962.1	890.1
142.5°	1474.0	1535.3	1474.0	1412.6	1397.2	1300.1	1170.7	1106.0	1061.8	973.6	907.3
145°	1394.8	1441.2	1394.8	1348.4	1336.8	1257.3	1151.4	1098.5	1061.8	988.5	933.5
147.5°	1334.0	1372.6	1334.0	1295.6	1285.9	1223.5	1140.2	1098.5	1069.1	1010.4	966.3
150°	1295.8	1327.0	1295.8	1264.6	1256.8	1204.0	1133.7	1098.5	1073.0	1021.8	983.5
152.5°	1263.1	1286.6	1263.1	1239.5	1233.6	1188.6	1128.5	1098.5	1075.5	1029.3	994.7
155°	1225.5	1241.1	1225.5	1210.0	1206.0	1170.2	1122.4	1098.5	1080.9	1045.7	1019.3
157.5°	1195.8	1206.7	1195.8	1184.8	1182.1	1154.2	1117.1	1098.5	1086.4	1062.1	1044.0
160°	1178.1	1184.3	1178.1	1171.8	1170.2	1146.3	1114.4	1098.5	1088.9	1069.7	1055.2
162.5°	1166.4	1172.5	1166.4	1160.5	1159.0	1138.8	1111.9	1098.5	1091.5	1077.5	1067.1
165°	1149.7	1156.0	1149.7	1143.4	1141.8	1127.3	1108.1	1098.5	1095.4	1089.0	1084.3
167.5°	1137.7	1140.3	1137.7	1135.0	1134.3	1124.8	1112.2	1106.0	1103.3	1098.0	1094.0
170°	1134.3	1134.3	1134.3	1134.3	1134.3	1124.8	1112.2	1106.0	1105.8	1105.5	1105.2
172.5°	1125.5	1123.2	1125.5	1127.8	1128.4	1120.9	1111.0	1106.0	1106.0	1106.0	1106.0
175°	1120.2	1120.2	1120.2	1120.2	1120.2	1115.4	1109.1	1106.0	1107.5	1110.5	1112.7
177.5°	1115.4	1112.7	1115.4	1118.0	1118.7	1115.0	1110.0	1107.5	1108.6	1111.0	1112.7
180°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7



TEST NUMBER: P934849

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3412.0	3392.9	3392.9	3361.1	3348.3	3338.8	3322.9	3275.2	3262.4	3249.7	3268.8
5°	3440.7	3405.7	3380.2	3322.9	3275.2	3256.1	3195.6	3081.0	3004.6	2947.3	2915.5
7.5°	3447.0	3402.5	3354.7	3265.6	3151.1	3100.1	2915.5	2705.5	2648.1	2597.2	2565.3
10°	3440.7	3389.8	3322.9	3189.2	2918.7	2829.5	2644.9	2508.1	2473.1	2463.5	2473.1
12.5°	3418.4	3370.7	3278.3	3055.6	2676.8	2616.3	2508.1	2428.5	2422.2	2438.1	2524.0
15°	3380.2	3335.7	3227.4	2877.3	2543.1	2498.5	2422.2	2393.5	2428.5	2539.9	2797.7
17.5°	3342.0	3291.1	3157.4	2702.3	2441.3	2409.4	2355.3	2412.6	2609.9	2759.5	2845.5
20°	3291.1	3230.6	3077.8	2574.9	2368.0	2339.4	2313.9	2571.8	2721.4	2775.5	2823.2
22.5°	3230.6	3167.0	2969.6	2485.8	2291.7	2269.4	2285.3	2660.9	2721.4	2759.5	2800.9
25°	3151.1	3096.9	2842.3	2415.8	2231.2	2205.8	2266.2	2651.3	2686.4	2695.9	2778.6
27.5°	3077.8	3007.8	2708.6	2352.1	2158.0	2148.4	2282.1	2609.9	2635.4	2644.9	2734.1
30°	2988.7	2883.7	2559.0	2285.3	2081.6	2078.4	2285.3	2559.0	2552.7	2578.1	2667.2
32.5°	2896.4	2699.0	2390.3	2202.5	2008.4	2005.2	2263.0	2482.6	2476.3	2511.3	2578.1
35°	2810.5	2555.9	2161.2	2107.1	1916.1	1919.3	2208.9	2393.5	2396.7	2428.5	2469.9
37.5°	2721.4	2431.7	1909.7	2002.0	1827.0	1827.0	2135.7	2310.8	2304.4	2313.9	2371.3
40°	2616.3	2237.6	1686.9	1865.1	1744.2	1734.6	2046.6	2221.7	2199.3	2196.2	2275.8
42.5°	2504.9	2024.3	1521.4	1683.7	1648.7	1636.0	1938.4	2113.4	2072.1	2081.6	2183.4
45°	2383.9	1967.0	1394.1	1422.8	1550.0	1540.5	1820.6	1989.3	1960.6	1986.1	2091.2
47.5°	2263.0	1852.4	1352.7	1180.8	1445.0	1441.9	1690.1	1868.3	1852.4	1877.9	1989.3
50°	2097.5	1725.1	1349.5	1012.2	1327.3	1340.0	1534.1	1750.5	1750.5	1772.9	1890.6
52.5°	1884.2	1569.1	1225.4	916.6	1190.4	1228.6	1397.3	1648.7	1655.1	1677.4	1782.4
55°	1690.1	1406.9	1136.2	843.5	1028.1	1110.8	1263.6	1543.7	1556.5	1578.7	1674.2
57.5°	1511.9	1171.3	1117.2	757.6	878.5	958.1	1145.8	1441.9	1448.2	1467.3	1559.6
60°	1320.9	846.6	1024.9	665.2	748.0	808.5	1037.6	1320.9	1343.2	1355.9	1435.4
62.5°	1104.4	614.3	929.4	601.5	684.3	697.1	948.5	1206.3	1234.9	1244.5	1292.3
65°	786.1	515.6	789.3	547.5	617.5	620.6	853.0	1088.5	1114.0	1129.9	1164.9
67.5°	531.5	420.1	601.5	496.5	566.5	569.7	760.7	951.6	986.6	999.4	1021.7
70°	369.2	280.1	445.6	442.5	509.3	515.6	662.1	827.6	859.4	868.9	881.6
72.5°	270.5	226.0	369.2	397.9	448.8	455.1	560.2	687.5	719.3	728.9	735.2
75°	206.9	238.7	299.2	346.9	381.9	385.1	458.4	560.2	582.5	588.8	592.0
77.5°	165.5	222.8	219.6	280.1	311.9	305.5	359.7	432.9	451.9	451.9	451.9
80°	124.1	175.1	165.5	200.5	229.2	222.8	257.8	308.8	315.1	321.4	318.3
82.5°	92.3	111.4	111.4	127.3	152.8	146.4	171.8	200.5	200.5	200.5	206.9
85°	57.3	63.7	50.9	66.8	85.9	82.8	95.5	108.2	111.4	111.4	105.0
87.5°	35.0	28.7	15.9	25.5	38.2	38.2	44.6	47.8	44.6	44.6	44.6
90°	19.4	13.4	7.5	13.4	19.4	20.9	32.8	48.8	56.8	50.4	37.8
92.5°	131.5	80.6	29.9	80.6	131.5	144.1	202.6	280.6	319.6	280.1	201.2
95°	257.6	164.6	71.7	164.6	257.6	280.8	498.6	789.0	934.2	833.7	632.5
97.5°	288.0	206.0	124.0	206.0	288.0	308.4	671.6	1155.8	1397.9	1334.3	1207.2
100°	313.0	238.7	164.3	238.7	313.0	331.6	734.6	1271.9	1540.6	1545.2	1554.5
102.5°	337.3	268.0	198.7	268.0	337.3	354.7	763.4	1308.4	1580.9	1661.9	1823.9
105°	374.4	315.7	256.9	315.7	374.4	389.1	784.9	1312.6	1576.4	1758.0	2121.1
107.5°	426.2	371.4	316.6	371.4	426.2	439.9	788.9	1254.2	1486.8	1740.1	2246.6
110°	455.9	406.4	356.9	406.4	455.9	468.2	782.8	1202.4	1412.2	1695.3	2261.5



TEST NUMBER: P934849

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	490.8	443.7	396.5	443.7	490.8	502.6	783.2	1157.2	1344.2	1633.9	2213.5
115°	543.2	499.7	456.3	499.7	543.2	554.1	790.3	1105.3	1262.8	1541.9	2100.2
117.5°	594.2	554.8	515.3	554.8	594.2	604.1	805.0	1072.8	1206.7	1458.6	1962.5
120°	623.9	586.8	549.7	586.8	623.9	633.2	817.0	1061.9	1184.3	1414.5	1874.8
122.5°	658.2	620.7	583.2	620.7	658.2	667.6	834.2	1056.2	1167.2	1374.4	1789.0
125°	703.2	669.0	634.8	669.0	703.2	711.7	857.3	1051.4	1148.5	1324.6	1676.7
127.5°	745.7	711.1	676.6	711.1	745.7	754.3	880.5	1048.7	1132.9	1284.1	1586.4
130°	773.3	736.2	699.0	736.2	773.3	782.6	897.4	1050.3	1126.8	1261.4	1530.6
132.5°	796.4	759.3	722.1	759.3	796.4	805.7	911.0	1051.4	1121.6	1242.1	1483.1
135°	824.2	790.3	756.5	790.3	824.2	832.6	926.0	1050.5	1112.7	1213.6	1415.4
137.5°	858.6	825.1	791.6	825.1	858.6	867.0	948.4	1056.9	1111.2	1196.5	1367.1
140°	882.4	851.5	820.7	851.5	882.4	890.1	962.1	1058.0	1106.0	1179.7	1327.0
142.5°	900.2	871.7	843.1	871.7	900.2	907.3	973.6	1061.8	1106.0	1170.7	1300.1
145°	927.2	902.3	877.4	902.3	927.2	933.5	988.5	1061.8	1098.5	1151.4	1257.3
147.5°	960.3	936.1	911.8	936.1	960.3	966.3	1010.4	1069.1	1098.5	1140.2	1223.5
150°	978.1	956.1	934.2	956.1	978.1	983.5	1021.8	1073.0	1098.5	1133.7	1204.0
152.5°	990.5	974.0	957.3	974.0	990.5	994.7	1029.3	1075.5	1098.5	1128.5	1188.6
155°	1016.3	1004.0	991.7	1004.0	1016.3	1019.3	1045.7	1080.9	1098.5	1122.4	1170.2
157.5°	1041.0	1029.0	1017.1	1029.0	1041.0	1044.0	1062.1	1086.4	1098.5	1117.1	1154.2
160°	1052.9	1043.6	1034.3	1043.6	1052.9	1055.2	1069.7	1088.9	1098.5	1114.4	1146.3
162.5°	1065.3	1058.4	1051.4	1058.4	1065.3	1067.1	1077.5	1091.5	1098.5	1111.9	1138.8
165°	1082.7	1076.4	1070.2	1076.4	1082.7	1084.3	1089.0	1095.4	1098.5	1108.1	1127.3
167.5°	1093.3	1090.2	1087.3	1090.2	1093.3	1094.0	1098.0	1103.3	1106.0	1112.2	1124.8
170°	1104.5	1101.5	1098.5	1101.5	1104.5	1105.2	1105.5	1105.8	1106.0	1112.2	1124.8
172.5°	1105.8	1105.1	1104.4	1105.1	1105.8	1106.0	1106.0	1106.0	1106.0	1111.0	1120.9
175°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1110.5	1107.5	1106.0	1109.1	1115.4
177.5°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1111.0	1108.6	1107.5	1110.0	1115.0
180°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7



TEST NUMBER: P934849

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3246.5	3237.0	3249.7	3214.6	3249.7	3237.0	3246.5	3268.8	3249.7	3262.4	3275.2
5°	2848.6	2832.7	2781.8	2740.5	2781.8	2832.7	2848.6	2915.5	2947.3	3004.6	3081.0
7.5°	2546.3	2533.5	2520.9	2495.3	2520.9	2533.5	2546.3	2565.3	2597.2	2648.1	2705.5
10°	2479.4	2482.6	2501.7	2498.5	2501.7	2482.6	2479.4	2473.1	2463.5	2473.1	2508.1
12.5°	2651.3	2679.9	2785.0	2778.6	2785.0	2679.9	2651.3	2524.0	2438.1	2422.2	2428.5
15°	2848.6	2858.2	2880.5	2883.7	2880.5	2858.2	2848.6	2797.7	2539.9	2428.5	2393.5
17.5°	2867.8	2871.0	2886.9	2886.9	2886.9	2871.0	2867.8	2845.5	2759.5	2609.9	2412.6
20°	2851.9	2858.2	2890.0	2896.4	2890.0	2858.2	2851.9	2823.2	2775.5	2721.4	2571.8
22.5°	2845.5	2858.2	2883.7	2880.5	2883.7	2858.2	2845.5	2800.9	2759.5	2721.4	2660.9
25°	2813.6	2813.6	2816.8	2820.0	2816.8	2813.6	2813.6	2778.6	2695.9	2686.4	2651.3
27.5°	2746.8	2753.2	2772.3	2769.1	2772.3	2753.2	2746.8	2734.1	2644.9	2635.4	2609.9
30°	2686.4	2679.9	2664.0	2651.3	2664.0	2679.9	2686.4	2667.2	2578.1	2552.7	2559.0
32.5°	2584.5	2568.6	2552.7	2543.1	2552.7	2568.6	2584.5	2578.1	2511.3	2476.3	2482.6
35°	2463.5	2466.7	2463.5	2454.0	2463.5	2466.7	2463.5	2469.9	2428.5	2396.7	2393.5
37.5°	2377.6	2383.9	2380.8	2368.0	2380.8	2383.9	2377.6	2371.3	2313.9	2304.4	2310.8
40°	2288.5	2291.7	2288.5	2278.9	2288.5	2291.7	2288.5	2275.8	2196.2	2199.3	2221.7
42.5°	2202.5	2199.3	2189.8	2183.4	2189.8	2199.3	2202.5	2183.4	2081.6	2072.1	2113.4
45°	2103.9	2107.1	2088.0	2078.4	2088.0	2107.1	2103.9	2091.2	1986.1	1960.6	1989.3
47.5°	2005.2	2005.2	1989.3	1979.7	1989.3	2005.2	2005.2	1989.3	1877.9	1852.4	1868.3
50°	1900.1	1897.0	1874.7	1871.6	1874.7	1897.0	1900.1	1890.6	1772.9	1750.5	1750.5
52.5°	1779.2	1779.2	1782.4	1788.8	1782.4	1779.2	1779.2	1782.4	1677.4	1655.1	1648.7
55°	1674.2	1677.4	1699.6	1706.0	1699.6	1677.4	1674.2	1674.2	1578.7	1556.5	1543.7
57.5°	1565.9	1565.9	1581.9	1581.9	1581.9	1565.9	1565.9	1559.6	1467.3	1448.2	1441.9
60°	1441.9	1448.2	1460.9	1457.8	1460.9	1448.2	1441.9	1435.4	1355.9	1343.2	1320.9
62.5°	1311.3	1317.7	1320.9	1314.5	1320.9	1317.7	1311.3	1292.3	1244.5	1234.9	1206.3
65°	1174.5	1180.8	1184.0	1177.7	1184.0	1180.8	1174.5	1164.9	1129.9	1114.0	1088.5
67.5°	1034.4	1031.2	1028.1	1040.8	1028.1	1031.2	1034.4	1021.7	999.4	986.6	951.6
70°	891.2	891.2	888.0	894.4	888.0	891.2	891.2	881.6	868.9	859.4	827.6
72.5°	738.4	735.2	748.0	738.4	748.0	735.2	738.4	735.2	728.9	719.3	687.5
75°	588.8	595.2	588.8	598.4	588.8	595.2	588.8	592.0	588.8	582.5	560.2
77.5°	448.8	455.1	448.8	448.8	448.8	455.1	448.8	451.9	451.9	451.9	432.9
80°	318.3	315.1	315.1	311.9	315.1	315.1	318.3	318.3	321.4	315.1	308.8
82.5°	203.7	200.5	200.5	206.9	200.5	200.5	203.7	206.9	200.5	200.5	200.5
85°	111.4	114.6	108.2	108.2	108.2	114.6	111.4	105.0	111.4	111.4	108.2
87.5°	41.4	38.2	38.2	38.2	38.2	38.2	41.4	44.6	44.6	44.6	47.8
90°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	37.8	50.4	56.8	48.8
92.5°	141.9	136.3	113.7	91.1	113.7	136.3	141.9	201.2	280.1	319.6	280.6
95°	481.6	464.5	396.2	327.9	396.2	464.5	481.6	632.5	833.7	934.2	789.0
97.5°	1111.9	1079.4	949.3	819.2	949.3	1079.4	1111.9	1207.2	1334.3	1397.9	1155.8
100°	1561.5	1522.7	1367.7	1212.8	1367.7	1522.7	1561.5	1554.5	1545.2	1540.6	1271.9
102.5°	1945.3	1912.2	1779.4	1646.6	1779.4	1912.2	1945.3	1823.9	1661.9	1580.9	1308.4
105°	2393.4	2375.6	2304.2	2232.8	2304.2	2375.6	2393.4	2121.1	1758.0	1576.4	1312.6
107.5°	2626.4	2630.7	2648.0	2665.2	2648.0	2630.7	2626.4	2246.6	1740.1	1486.8	1254.2
110°	2686.1	2704.7	2779.0	2853.4	2779.0	2704.7	2686.1	2261.5	1695.3	1412.2	1202.4



TEST NUMBER: P934849

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2648.1	2676.6	2790.7	2904.9	2790.7	2676.6	2648.1	2213.5	1633.9	1344.2	1157.2
115°	2518.9	2558.4	2716.7	2875.1	2716.7	2558.4	2518.9	2100.2	1541.9	1262.8	1105.3
117.5°	2340.3	2384.3	2559.8	2735.4	2559.8	2384.3	2340.3	1962.5	1458.6	1206.7	1072.8
120°	2220.1	2262.8	2433.4	2604.0	2433.4	2262.8	2220.1	1874.8	1414.5	1184.3	1061.9
122.5°	2099.9	2142.0	2310.2	2478.5	2310.2	2142.0	2099.9	1789.0	1374.4	1167.2	1056.2
125°	1940.9	1979.6	2134.6	2289.6	2134.6	1979.6	1940.9	1676.7	1324.6	1148.5	1051.4
127.5°	1813.2	1845.9	1976.7	2107.4	1976.7	1845.9	1813.2	1586.4	1284.1	1132.9	1048.7
130°	1732.5	1762.7	1883.5	2004.4	1883.5	1762.7	1732.5	1530.6	1261.4	1126.8	1050.3
132.5°	1663.8	1690.9	1799.0	1907.3	1799.0	1690.9	1663.8	1483.1	1242.1	1121.6	1051.4
135°	1566.7	1590.0	1683.3	1776.6	1683.3	1590.0	1566.7	1415.4	1213.6	1112.7	1050.5
137.5°	1495.0	1514.1	1590.4	1666.8	1590.4	1514.1	1495.0	1367.1	1196.5	1111.2	1056.9
140°	1437.5	1455.4	1526.7	1598.1	1526.7	1455.4	1437.5	1327.0	1179.7	1106.0	1058.0
142.5°	1397.2	1412.6	1474.0	1535.3	1474.0	1412.6	1397.2	1300.1	1170.7	1106.0	1061.8
145°	1336.8	1348.4	1394.8	1441.2	1394.8	1348.4	1336.8	1257.3	1151.4	1098.5	1061.8
147.5°	1285.9	1295.6	1334.0	1372.6	1334.0	1295.6	1285.9	1223.5	1140.2	1098.5	1069.1
150°	1256.8	1264.6	1295.8	1327.0	1295.8	1264.6	1256.8	1204.0	1133.7	1098.5	1073.0
152.5°	1233.6	1239.5	1263.1	1286.6	1263.1	1239.5	1233.6	1188.6	1128.5	1098.5	1075.5
155°	1206.0	1210.0	1225.5	1241.1	1225.5	1210.0	1206.0	1170.2	1122.4	1098.5	1080.9
157.5°	1182.1	1184.8	1195.8	1206.7	1195.8	1184.8	1182.1	1154.2	1117.1	1098.5	1086.4
160°	1170.2	1171.8	1178.1	1184.3	1178.1	1171.8	1170.2	1146.3	1114.4	1098.5	1088.9
162.5°	1159.0	1160.5	1166.4	1172.5	1166.4	1160.5	1159.0	1138.8	1111.9	1098.5	1091.5
165°	1141.8	1143.4	1149.7	1156.0	1149.7	1143.4	1141.8	1127.3	1108.1	1098.5	1095.4
167.5°	1134.3	1135.0	1137.7	1140.3	1137.7	1135.0	1134.3	1124.8	1112.2	1106.0	1103.3
170°	1134.3	1134.3	1134.3	1134.3	1134.3	1134.3	1134.3	1124.8	1112.2	1106.0	1105.8
172.5°	1128.4	1127.8	1125.5	1123.2	1125.5	1127.8	1128.4	1120.9	1111.0	1106.0	1106.0
175°	1120.2	1120.2	1120.2	1120.2	1120.2	1120.2	1120.2	1115.4	1109.1	1106.0	1107.5
177.5°	1118.7	1118.0	1115.4	1112.7	1115.4	1118.0	1118.7	1115.0	1110.0	1107.5	1108.6
180°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7



TEST NUMBER: P934849

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3322.9	3338.8	3348.3	3361.1	3392.9
5°	3195.6	3256.1	3275.2	3322.9	3380.2
7.5°	2915.5	3100.1	3151.1	3265.6	3354.7
10°	2644.9	2829.5	2918.7	3189.2	3322.9
12.5°	2508.1	2616.3	2676.8	3055.6	3278.3
15°	2422.2	2498.5	2543.1	2877.3	3227.4
17.5°	2355.3	2409.4	2441.3	2702.3	3157.4
20°	2313.9	2339.4	2368.0	2574.9	3077.8
22.5°	2285.3	2269.4	2291.7	2485.8	2969.6
25°	2266.2	2205.8	2231.2	2415.8	2842.3
27.5°	2282.1	2148.4	2158.0	2352.1	2708.6
30°	2285.3	2078.4	2081.6	2285.3	2559.0
32.5°	2263.0	2005.2	2008.4	2202.5	2390.3
35°	2208.9	1919.3	1916.1	2107.1	2161.2
37.5°	2135.7	1827.0	1827.0	2002.0	1909.7
40°	2046.6	1734.6	1744.2	1865.1	1686.9
42.5°	1938.4	1636.0	1648.7	1683.7	1521.4
45°	1820.6	1540.5	1550.0	1422.8	1394.1
47.5°	1690.1	1441.9	1445.0	1180.8	1352.7
50°	1534.1	1340.0	1327.3	1012.2	1349.5
52.5°	1397.3	1228.6	1190.4	916.6	1225.4
55°	1263.6	1110.8	1028.1	843.5	1136.2
57.5°	1145.8	958.1	878.5	757.6	1117.2
60°	1037.6	808.5	748.0	665.2	1024.9
62.5°	948.5	697.1	684.3	601.5	929.4
65°	853.0	620.6	617.5	547.5	789.3
67.5°	760.7	569.7	566.5	496.5	601.5
70°	662.1	515.6	509.3	442.5	445.6
72.5°	560.2	455.1	448.8	397.9	369.2
75°	458.4	385.1	381.9	346.9	299.2
77.5°	359.7	305.5	311.9	280.1	219.6
80°	257.8	222.8	229.2	200.5	165.5
82.5°	171.8	146.4	152.8	127.3	111.4
85°	95.5	82.8	85.9	66.8	50.9
87.5°	44.6	38.2	38.2	25.5	15.9
90°	32.8	20.9	19.4	13.4	7.5
92.5°	202.6	144.1	131.5	80.6	29.9
95°	498.6	280.8	257.6	164.6	71.7
97.5°	671.6	308.4	288.0	206.0	124.0
100°	734.6	331.6	313.0	238.7	164.3
102.5°	763.4	354.7	337.3	268.0	198.7
105°	784.9	389.1	374.4	315.7	256.9
107.5°	788.9	439.9	426.2	371.4	316.6
110°	782.8	468.2	455.9	406.4	356.9



TEST NUMBER: P934849

CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	783.2	502.6	490.8	443.7	396.5
115°	790.3	554.1	543.2	499.7	456.3
117.5°	805.0	604.1	594.2	554.8	515.3
120°	817.0	633.2	623.9	586.8	549.7
122.5°	834.2	667.6	658.2	620.7	583.2
125°	857.3	711.7	703.2	669.0	634.8
127.5°	880.5	754.3	745.7	711.1	676.6
130°	897.4	782.6	773.3	736.2	699.0
132.5°	911.0	805.7	796.4	759.3	722.1
135°	926.0	832.6	824.2	790.3	756.5
137.5°	948.4	867.0	858.6	825.1	791.6
140°	962.1	890.1	882.4	851.5	820.7
142.5°	973.6	907.3	900.2	871.7	843.1
145°	988.5	933.5	927.2	902.3	877.4
147.5°	1010.4	966.3	960.3	936.1	911.8
150°	1021.8	983.5	978.1	956.1	934.2
152.5°	1029.3	994.7	990.5	974.0	957.3
155°	1045.7	1019.3	1016.3	1004.0	991.7
157.5°	1062.1	1044.0	1041.0	1029.0	1017.1
160°	1069.7	1055.2	1052.9	1043.6	1034.3
162.5°	1077.5	1067.1	1065.3	1058.4	1051.4
165°	1089.0	1084.3	1082.7	1076.4	1070.2
167.5°	1098.0	1094.0	1093.3	1090.2	1087.3
170°	1105.5	1105.2	1104.5	1101.5	1098.5
172.5°	1106.0	1106.0	1105.8	1105.1	1104.4
175°	1110.5	1112.7	1112.7	1112.7	1112.7
177.5°	1111.0	1112.7	1112.7	1112.7	1112.7
180°	1112.7	1112.7	1112.7	1112.7	1112.7



TEST NUMBER: P934849
 CATALOG NUMBER: SQ4-FA-075U-100D-930-1D-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	13.38	14.28	14.29	15.22	16.42	16.23	17.14	17.14	18.07	19.27
	3H	13.86	14.67	14.79	15.61	16.84	17.59	18.40	18.51	19.34	20.57
	4H	14.05	14.82	14.99	15.77	17.00	18.04	18.80	18.98	19.75	20.99
	6H	14.17	14.88	15.13	15.83	17.08	18.33	19.04	19.28	19.99	21.24
	8H	14.18	14.85	15.14	15.82	17.07	18.41	19.08	19.37	20.05	21.30
	12H	14.15	14.79	15.11	15.75	17.02	18.45	19.09	19.42	20.06	21.33
4H	2H	14.42	15.19	15.37	16.14	17.37	16.64	17.41	17.59	18.36	19.59
	3H	15.45	16.09	16.41	17.07	18.32	18.16	18.80	19.12	19.78	21.03
	4H	15.73	16.31	16.70	17.29	18.56	18.69	19.28	19.66	20.25	21.52
	6H	15.86	16.36	16.84	17.36	18.63	19.07	19.57	20.05	20.57	21.84
	8H	15.86	16.33	16.85	17.32	18.61	19.18	19.65	20.16	20.64	21.92
	12H	15.83	16.26	16.83	17.26	18.56	19.24	19.66	20.24	20.67	21.96
8H	4H	16.19	16.66	17.17	17.65	18.94	18.82	19.29	19.80	20.28	21.57
	6H	16.45	16.84	17.46	17.87	19.16	19.27	19.65	20.27	20.69	21.97
	8H	16.50	16.84	17.51	17.86	19.16	19.42	19.76	20.44	20.78	22.09
	12H	16.48	16.79	17.50	17.80	19.15	19.53	19.83	20.54	20.84	22.19
12H	4H	16.20	16.62	17.20	17.63	18.92	18.79	19.21	19.79	20.22	21.51
	6H	16.52	16.86	17.53	17.88	19.18	19.26	19.61	20.28	20.62	21.93
	8H	16.59	16.89	17.60	17.90	19.25	19.43	19.73	20.45	20.74	22.09