

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: P934321

Luminaire Tested: SQ4-FA-050U-075D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934321
REPORT IS A COMBINATION OF REPORTS P933693 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-075D-927-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

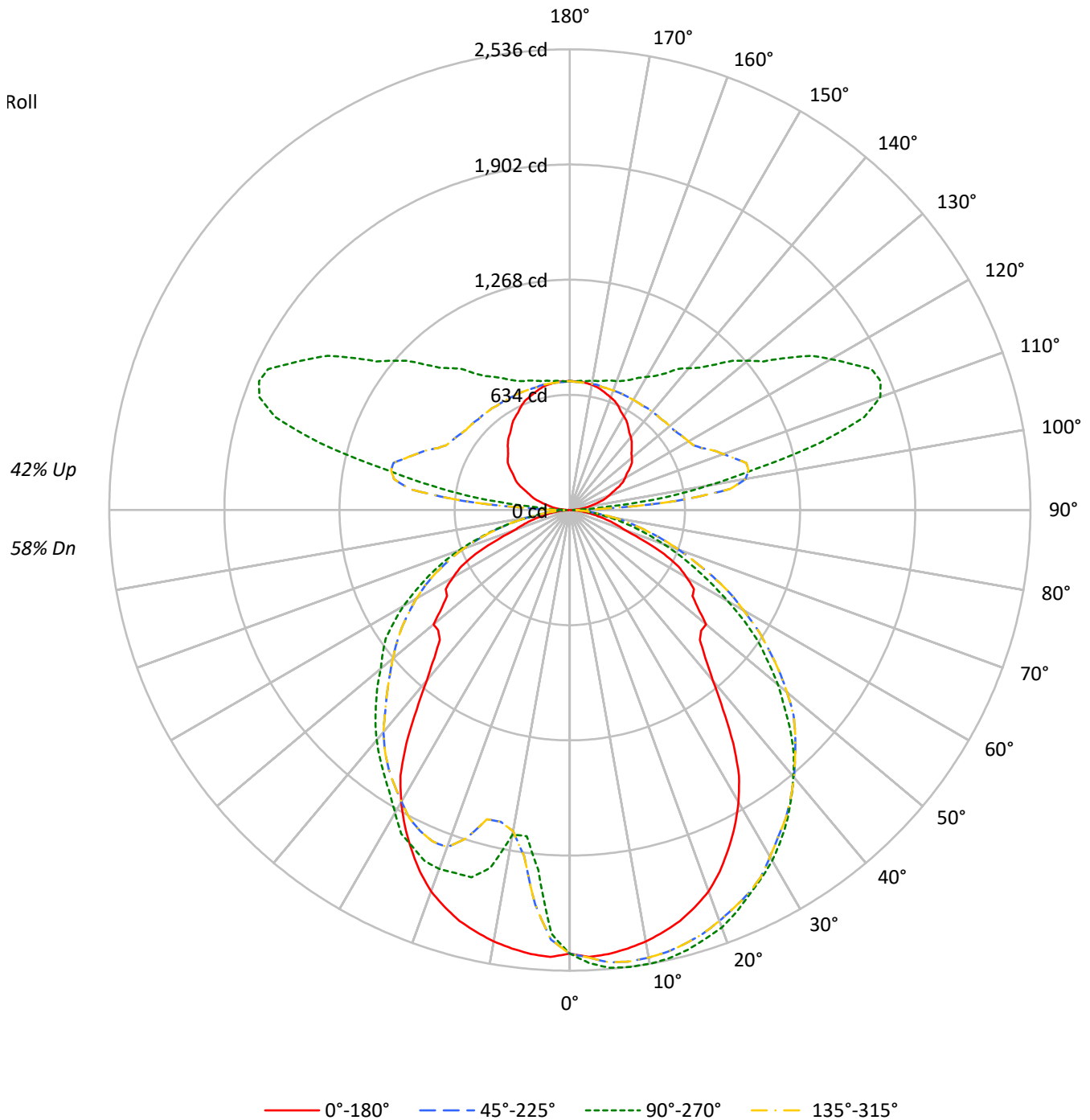
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10932.4 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 109.2
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: P934321
CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P934321

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-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	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63	58
1	100	95	91	88	93	89	86	83	77	75	72	66	64	63	56	55	54	49
2	91	83	77	72	84	78	72	68	68	63	60	58	55	52	49	47	45	41
3	83	73	66	60	77	68	62	57	60	55	50	51	48	44	44	41	39	35
4	76	65	57	51	70	61	54	48	53	47	43	46	41	38	39	36	33	30
5	70	58	49	43	65	54	47	41	47	42	37	41	37	33	35	32	29	26
6	64	52	44	38	60	49	41	36	43	37	32	37	32	29	32	28	25	23
7	59	47	39	33	55	44	37	31	39	33	28	34	29	25	29	25	23	20
8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	27	23	20	18
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	25	21	18	16
10	48	36	28	23	45	34	27	22	30	24	20	26	22	18	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7552	7552	7552	7552
5°	7612	7624	7612	5994
10°	7564	7510	7564	5369
15°	7484	7347	7484	6135
20°	7331	7155	7331	6148
25°	7013	6873	7013	6017
30°	6601	6640	6601	5731
35°	5888	6345	5888	5417
40°	4909	5997	4909	5180
45°	4389	5590	4389	4906
50°	4667	5105	4667	4632
55°	4395	4582	4395	4474
60°	4536	3892	4536	4098
65°	4119	3217	4119	3596
70°	2859	2564	2859	3014
75°	2516	1895	2516	2270
80°	2043	1253	2043	1364
85°	1199	664	1199	564

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 6723 cd/sqm



TEST NUMBER: P934321

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.4	2.0
10°-20°	625.8	5.7
20°-30°	967.4	8.8
30°-40°	1154.8	10.6
40°-50°	1161.6	10.6
50°-60°	1010.7	9.2
60°-70°	716.6	6.6
70°-80°	379.1	3.5
80°-90°	97.1	0.9
90°-100°	345.8	3.2
100°-110°	909.1	8.3
110°-120°	942.7	8.6
120°-130°	756.1	6.9
130°-140°	593.3	5.4
140°-150°	455.4	4.2
150°-160°	328.0	3.0
160°-170°	200.7	1.8
170°-180°	67.8	0.6
0°-30°	1813.6	16.6
0°-40°	2968.4	27.2
0°-60°	5140.7	47.0
0°-90°	6333.6	57.9
90°-120°	2197.6	20.1
90°-150°	4002.4	36.6
90°-180°	4599.0	42.1
0°-180°	10932.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2442	2442	2442	2442	2442	
5°	2453	2530	2453	1989	2453	233
15°	2342	2506	2342	2093	2342	659
25°	2063	2338	2063	2047	2063	947
35°	1568	2086	1568	1781	1568	970
45°	1012	1719	1012	1508	1012	810
55°	825	1268	825	1238	825	758
65°	573	765	573	855	573	548
75°	217	363	217	434	217	228
85°	37	92	37	78	37	50
90°	5	18	5	18	5	6
95°	46	209	46	209	46	51
105°	164	1424	164	1424	164	174
115°	291	1833	291	1833	291	287
125°	405	1460	405	1460	405	359
135°	482	1133	482	1133	482	373
145°	559	919	559	919	559	350
155°	632	791	632	791	632	291
165°	682	737	682	737	682	193
175°	709	714	709	714	709	67
180°	709	709	709	709	709	



TEST NUMBER: P934321

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2462.5	2462.5	2476.4	2481.0	2481.0	2474.1	2467.2	2474.1	2494.9	2501.8	2499.5
5°	2453.3	2471.8	2497.2	2501.8	2506.4	2504.1	2499.5	2504.1	2527.2	2531.8	2534.1
7.5°	2434.8	2469.5	2501.8	2508.7	2515.7	2508.7	2506.4	2511.0	2534.1	2538.8	2538.8
10°	2411.7	2460.2	2497.2	2501.8	2508.7	2501.8	2501.8	2511.0	2534.1	2538.8	2541.1
12.5°	2379.4	2446.4	2481.0	2485.6	2494.9	2492.6	2490.3	2499.5	2522.6	2527.2	2527.2
15°	2342.4	2421.0	2453.3	2457.9	2474.1	2469.5	2469.5	2478.7	2504.1	2511.0	2508.7
17.5°	2291.6	2388.6	2425.6	2432.5	2444.1	2441.7	2444.1	2453.3	2476.4	2481.0	2483.3
20°	2233.8	2344.7	2388.6	2395.5	2407.1	2407.1	2407.1	2418.6	2441.7	2451.0	2451.0
22.5°	2155.3	2298.5	2344.7	2349.3	2363.2	2363.2	2367.8	2384.0	2404.8	2407.1	2407.1
25°	2062.9	2247.7	2287.0	2300.8	2314.7	2321.6	2328.6	2337.8	2344.7	2342.4	2344.7
27.5°	1965.8	2183.0	2233.8	2243.1	2261.6	2268.5	2277.7	2280.0	2282.4	2289.3	2284.7
30°	1857.2	2092.9	2169.2	2178.4	2208.4	2213.1	2203.8	2208.4	2220.0	2224.6	2229.2
32.5°	1734.8	1958.9	2102.2	2123.0	2150.7	2136.8	2134.5	2141.4	2159.9	2159.9	2164.5
35°	1568.5	1854.9	2039.8	2058.3	2079.1	2062.9	2072.1	2074.5	2086.0	2092.9	2090.6
37.5°	1386.0	1764.8	1975.0	1988.9	2005.1	1984.3	1998.2	2005.1	2014.3	2009.7	2009.7
40°	1224.3	1623.9	1898.8	1908.1	1921.9	1905.8	1919.6	1924.2	1928.8	1924.2	1921.9
42.5°	1104.2	1469.2	1818.0	1829.5	1820.3	1831.8	1836.4	1845.7	1838.8	1829.5	1829.5
45°	1011.8	1427.6	1730.2	1744.0	1730.2	1748.7	1755.6	1755.6	1734.8	1730.2	1727.9
47.5°	981.8	1344.4	1642.4	1642.4	1635.5	1658.6	1670.1	1654.0	1633.2	1626.2	1626.2
50°	979.4	1252.0	1522.3	1513.0	1545.4	1573.1	1561.6	1545.4	1529.2	1503.8	1503.8
52.5°	889.4	1138.8	1367.5	1402.2	1453.0	1469.2	1450.7	1434.5	1406.8	1395.2	1386.0
55°	824.7	1021.0	1226.6	1295.9	1349.0	1369.8	1335.2	1319.0	1277.4	1270.5	1265.9
57.5°	810.8	850.1	1097.2	1185.0	1249.7	1247.4	1226.6	1196.6	1161.9	1155.0	1152.7
60°	743.8	614.5	958.6	1062.6	1129.6	1122.7	1104.2	1076.5	1044.1	1039.5	1034.9
62.5°	674.5	445.8	801.6	919.4	1014.1	1011.8	995.6	954.0	930.9	919.4	910.1
65°	572.9	374.2	570.6	764.6	900.9	905.5	870.9	840.8	815.4	801.6	799.3
67.5°	436.6	304.9	385.8	637.6	792.3	787.7	743.8	730.0	697.6	690.7	676.8
70°	323.4	203.3	268.0	517.4	686.1	674.5	639.9	623.7	593.7	577.5	568.3
72.5°	268.0	164.0	196.4	401.9	577.5	563.6	533.6	515.1	489.7	475.9	466.6
75°	217.1	173.2	150.2	298.0	468.9	459.7	432.0	413.5	392.7	374.2	376.5
77.5°	159.4	161.7	120.1	219.4	371.9	358.0	341.9	318.8	309.5	291.1	291.1
80°	120.1	127.0	90.1	150.2	268.0	268.0	254.1	237.9	221.8	212.5	212.5
82.5°	80.9	80.9	67.0	94.7	182.5	175.6	166.3	161.7	152.5	147.8	147.8
85°	37.0	46.2	41.6	57.8	99.3	104.0	104.0	99.3	97.0	92.4	94.7
87.5°	11.6	20.8	25.4	32.3	50.8	53.1	55.4	55.4	55.4	57.8	57.8
90°	4.8	8.5	12.4	13.3	20.9	31.1	36.2	32.2	24.1	18.1	18.1
92.5°	19.0	51.4	83.8	91.9	129.1	178.9	203.7	178.6	128.2	90.5	86.9
95°	45.7	105.0	164.2	179.0	317.9	503.0	595.6	531.5	403.2	307.1	296.1
97.5°	79.0	131.3	183.6	196.7	428.2	736.9	891.3	850.8	769.7	708.9	688.2
100°	104.7	152.2	199.5	211.4	468.3	810.9	982.2	985.1	991.1	995.5	970.8
102.5°	126.7	170.9	215.1	226.1	486.7	834.2	1007.9	1059.5	1162.8	1240.2	1219.1
105°	163.8	201.2	238.6	248.0	500.3	836.8	1005.1	1120.8	1352.3	1525.9	1514.5
107.5°	201.9	236.8	271.7	280.4	503.0	799.6	947.9	1109.4	1432.4	1674.5	1677.3
110°	227.6	259.1	290.7	298.5	499.1	766.6	900.4	1080.8	1441.8	1712.6	1724.4



TEST NUMBER: P934321

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	252.8	282.8	312.9	320.4	499.3	737.7	857.0	1041.7	1411.2	1688.3	1706.5
115°	290.9	318.6	346.3	353.3	503.9	704.7	805.1	983.1	1339.0	1605.9	1631.2
117.5°	328.5	353.7	378.8	385.2	513.2	684.0	769.4	930.0	1251.2	1492.1	1520.1
120°	350.4	374.1	397.8	403.7	520.8	677.1	755.1	901.9	1195.3	1415.5	1442.7
122.5°	371.8	395.8	419.6	425.7	531.8	673.4	744.1	876.3	1140.6	1338.8	1365.6
125°	404.7	426.5	448.3	453.8	546.6	670.4	732.3	844.5	1069.0	1237.4	1262.1
127.5°	431.4	453.4	475.4	480.9	561.3	668.6	722.3	818.7	1011.4	1156.0	1176.9
130°	445.7	469.4	493.0	499.0	572.1	669.7	718.5	804.3	975.9	1104.6	1123.8
132.5°	460.4	484.1	507.8	513.7	580.9	670.4	715.1	791.9	945.6	1060.8	1078.0
135°	482.3	503.9	525.4	530.8	590.4	669.7	709.4	773.8	902.4	998.9	1013.8
137.5°	504.7	526.1	547.5	552.8	604.7	673.9	708.5	762.8	871.6	953.2	965.3
140°	523.2	542.9	562.6	567.5	613.4	674.5	705.1	752.1	846.1	916.5	927.9
142.5°	537.5	555.7	574.0	578.5	620.7	677.0	705.1	746.4	828.9	890.8	900.6
145°	559.4	575.3	591.1	595.1	630.2	677.0	700.4	734.1	801.6	852.2	859.6
147.5°	581.4	596.8	612.2	616.1	644.2	681.7	700.4	727.0	780.1	819.9	826.1
150°	595.6	609.5	623.5	627.0	651.5	684.1	700.4	722.8	767.6	801.3	806.3
152.5°	610.4	620.9	631.6	634.2	656.3	685.7	700.4	719.6	757.8	786.6	790.3
155°	632.2	640.1	648.0	649.9	666.7	689.2	700.4	715.6	746.1	768.9	771.4
157.5°	648.5	656.1	663.7	665.6	677.2	692.7	700.4	712.2	735.9	753.7	755.4
160°	659.4	665.4	671.3	672.7	682.0	694.2	700.4	710.6	730.8	746.1	747.1
162.5°	670.4	674.8	679.3	680.4	687.1	695.9	700.4	708.9	726.0	738.9	739.8
165°	682.3	686.3	690.3	691.3	694.3	698.4	700.4	706.6	718.8	728.0	729.0
167.5°	693.2	695.1	697.0	697.5	700.0	703.4	705.1	709.1	717.2	723.2	723.6
170°	700.4	702.2	704.2	704.6	704.8	705.0	705.1	709.1	717.2	723.2	723.2
172.5°	704.2	704.6	705.0	705.1	705.1	705.1	705.1	708.2	714.6	719.4	719.0
175°	709.4	709.4	709.4	709.4	707.9	706.0	705.1	707.1	711.2	714.2	714.2
177.5°	709.4	709.4	709.4	709.4	708.3	706.9	706.1	707.7	710.9	713.3	712.8
180°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4



TEST NUMBER: P934321

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2504.1	2497.2	2504.1	2499.5	2501.8	2494.9	2474.1	2467.2	2474.1	2481.0	2481.0
5°	2534.1	2529.5	2534.1	2534.1	2531.8	2527.2	2504.1	2499.5	2504.1	2506.4	2501.8
7.5°	2543.4	2536.5	2543.4	2538.8	2538.8	2534.1	2511.0	2506.4	2508.7	2515.7	2508.7
10°	2543.4	2536.5	2543.4	2541.1	2538.8	2534.1	2511.0	2501.8	2501.8	2508.7	2501.8
12.5°	2531.8	2527.2	2531.8	2527.2	2527.2	2522.6	2499.5	2490.3	2492.6	2494.9	2485.6
15°	2513.4	2506.4	2513.4	2508.7	2511.0	2504.1	2478.7	2469.5	2469.5	2474.1	2457.9
17.5°	2485.6	2476.4	2485.6	2483.3	2481.0	2476.4	2453.3	2444.1	2441.7	2444.1	2432.5
20°	2453.3	2446.4	2453.3	2451.0	2451.0	2441.7	2418.6	2407.1	2407.1	2407.1	2395.5
22.5°	2402.5	2395.5	2402.5	2407.1	2407.1	2404.8	2384.0	2367.8	2363.2	2363.2	2349.3
25°	2344.7	2337.8	2344.7	2344.7	2342.4	2344.7	2337.8	2328.6	2321.6	2314.7	2300.8
27.5°	2289.3	2284.7	2289.3	2284.7	2289.3	2282.4	2280.0	2277.7	2268.5	2261.6	2243.1
30°	2233.8	2229.2	2233.8	2229.2	2224.6	2220.0	2208.4	2203.8	2213.1	2208.4	2178.4
32.5°	2164.5	2159.9	2164.5	2164.5	2159.9	2159.9	2141.4	2134.5	2136.8	2150.7	2123.0
35°	2092.9	2086.0	2092.9	2090.6	2092.9	2086.0	2074.5	2072.1	2062.9	2079.1	2058.3
37.5°	2009.7	2002.8	2009.7	2009.7	2009.7	2014.3	2005.1	1998.2	1984.3	2005.1	1988.9
40°	1924.2	1915.0	1924.2	1921.9	1924.2	1928.8	1924.2	1919.6	1905.8	1921.9	1908.1
42.5°	1827.2	1824.9	1827.2	1829.5	1829.5	1838.8	1845.7	1836.4	1831.8	1820.3	1829.5
45°	1723.3	1718.6	1723.3	1727.9	1730.2	1734.8	1755.6	1755.6	1748.7	1730.2	1744.0
47.5°	1612.4	1600.8	1612.4	1626.2	1626.2	1633.2	1654.0	1670.1	1658.6	1635.5	1642.4
50°	1494.6	1496.9	1494.6	1503.8	1503.8	1529.2	1545.4	1561.6	1573.1	1545.4	1513.0
52.5°	1379.1	1376.8	1379.1	1386.0	1395.2	1406.8	1434.5	1450.7	1469.2	1453.0	1402.2
55°	1263.6	1268.2	1263.6	1265.9	1270.5	1277.4	1319.0	1335.2	1369.8	1349.0	1295.9
57.5°	1148.1	1141.1	1148.1	1152.7	1155.0	1161.9	1196.6	1226.6	1247.4	1249.7	1185.0
60°	1014.1	1004.8	1014.1	1034.9	1039.5	1044.1	1076.5	1104.2	1122.7	1129.6	1062.6
62.5°	896.3	880.1	896.3	910.1	919.4	930.9	954.0	995.6	1011.8	1014.1	919.4
65°	771.5	764.6	771.5	799.3	801.6	815.4	840.8	870.9	905.5	900.9	764.6
67.5°	658.4	658.4	658.4	676.8	690.7	697.6	730.0	743.8	787.7	792.3	637.6
70°	554.4	552.1	554.4	568.3	577.5	593.7	623.7	639.9	674.5	686.1	517.4
72.5°	455.1	452.8	455.1	466.6	475.9	489.7	515.1	533.6	563.6	577.5	401.9
75°	367.3	362.7	367.3	376.5	374.2	392.7	413.5	432.0	459.7	468.9	298.0
77.5°	281.8	281.8	281.8	291.1	291.1	309.5	318.8	341.9	358.0	371.9	219.4
80°	210.2	207.9	210.2	212.5	212.5	221.8	237.9	254.1	268.0	268.0	150.2
82.5°	147.8	143.2	147.8	147.8	147.8	152.5	161.7	166.3	175.6	182.5	94.7
85°	92.4	92.4	92.4	94.7	92.4	97.0	99.3	104.0	104.0	99.3	57.8
87.5°	60.1	57.8	60.1	57.8	57.8	55.4	55.4	55.4	53.1	50.8	32.3
90°	18.1	18.1	18.1	18.1	18.1	24.1	32.2	36.2	31.1	20.9	13.3
92.5°	72.5	58.1	72.5	86.9	90.5	128.2	178.6	203.7	178.9	129.1	91.9
95°	252.6	209.0	252.6	296.1	307.1	403.2	531.5	595.6	503.0	317.9	179.0
97.5°	605.2	522.3	605.2	688.2	708.9	769.7	850.8	891.3	736.9	428.2	196.7
100°	872.0	773.2	872.0	970.8	995.5	991.1	985.1	982.2	810.9	468.3	211.4
102.5°	1134.4	1049.8	1134.4	1219.1	1240.2	1162.8	1059.5	1007.9	834.2	486.7	226.1
105°	1469.1	1423.6	1469.1	1514.5	1525.9	1352.3	1120.8	1005.1	836.8	500.3	248.0
107.5°	1688.2	1699.2	1688.2	1677.3	1674.5	1432.4	1109.4	947.9	799.6	503.0	280.4
110°	1771.8	1819.2	1771.8	1724.4	1712.6	1441.8	1080.8	900.4	766.6	499.1	298.5



TEST NUMBER: P934321

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1779.3	1852.1	1779.3	1706.5	1688.3	1411.2	1041.7	857.0	737.7	499.3	320.4
115°	1732.1	1833.1	1732.1	1631.2	1605.9	1339.0	983.1	805.1	704.7	503.9	353.3
117.5°	1632.0	1744.0	1632.0	1520.1	1492.1	1251.2	930.0	769.4	684.0	513.2	385.2
120°	1551.5	1660.2	1551.5	1442.7	1415.5	1195.3	901.9	755.1	677.1	520.8	403.7
122.5°	1472.9	1580.2	1472.9	1365.6	1338.8	1140.6	876.3	744.1	673.4	531.8	425.7
125°	1360.9	1459.8	1360.9	1262.1	1237.4	1069.0	844.5	732.3	670.4	546.6	453.8
127.5°	1260.2	1343.6	1260.2	1176.9	1156.0	1011.4	818.7	722.3	668.6	561.3	480.9
130°	1200.9	1277.9	1200.9	1123.8	1104.6	975.9	804.3	718.5	669.7	572.1	499.0
132.5°	1147.0	1216.0	1147.0	1078.0	1060.8	945.6	791.9	715.1	670.4	580.9	513.7
135°	1073.2	1132.7	1073.2	1013.8	998.9	902.4	773.8	709.4	669.7	590.4	530.8
137.5°	1014.0	1062.7	1014.0	965.3	953.2	871.6	762.8	708.5	673.9	604.7	552.8
140°	973.4	1018.9	973.4	927.9	916.5	846.1	752.1	705.1	674.5	613.4	567.5
142.5°	939.8	978.9	939.8	900.6	890.8	828.9	746.4	705.1	677.0	620.7	578.5
145°	889.3	918.9	889.3	859.6	852.2	801.6	734.1	700.4	677.0	630.2	595.1
147.5°	850.5	875.1	850.5	826.1	819.9	780.1	727.0	700.4	681.7	644.2	616.1
150°	826.1	846.1	826.1	806.3	801.3	767.6	722.8	700.4	684.1	651.5	627.0
152.5°	805.3	820.4	805.3	790.3	786.6	757.8	719.6	700.4	685.7	656.3	634.2
155°	781.4	791.3	781.4	771.4	768.9	746.1	715.6	700.4	689.2	666.7	649.9
157.5°	762.4	769.4	762.4	755.4	753.7	735.9	712.2	700.4	692.7	677.2	665.6
160°	751.1	755.1	751.1	747.1	746.1	730.8	710.6	700.4	694.2	682.0	672.7
162.5°	743.7	747.5	743.7	739.8	738.9	726.0	708.9	700.4	695.9	687.1	680.4
165°	733.0	737.0	733.0	729.0	728.0	718.8	706.6	700.4	698.4	694.3	691.3
167.5°	725.3	727.0	725.3	723.6	723.2	717.2	709.1	705.1	703.4	700.0	697.5
170°	723.2	723.2	723.2	723.2	723.2	717.2	709.1	705.1	705.0	704.8	704.6
172.5°	717.6	716.1	717.6	719.0	719.4	714.6	708.2	705.1	705.1	705.1	705.1
175°	714.2	714.2	714.2	714.2	714.2	711.2	707.1	705.1	706.0	707.9	709.4
177.5°	711.1	709.4	711.1	712.8	713.3	710.9	707.7	706.1	706.9	708.3	709.4
180°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4



TEST NUMBER: P934321

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2476.4	2462.5	2462.5	2439.4	2430.2	2423.3	2411.7	2377.1	2367.8	2358.6	2372.4
5°	2497.2	2471.8	2453.3	2411.7	2377.1	2363.2	2319.3	2236.2	2180.7	2139.1	2116.0
7.5°	2501.8	2469.5	2434.8	2370.1	2287.0	2250.0	2116.0	1963.5	1921.9	1885.0	1861.9
10°	2497.2	2460.2	2411.7	2314.7	2118.3	2053.7	1919.6	1820.3	1794.9	1787.9	1794.9
12.5°	2481.0	2446.4	2379.4	2217.7	1942.7	1898.8	1820.3	1762.5	1757.9	1769.5	1831.8
15°	2453.3	2421.0	2342.4	2088.3	1845.7	1813.4	1757.9	1737.1	1762.5	1843.4	2030.5
17.5°	2425.6	2388.6	2291.6	1961.2	1771.8	1748.7	1709.4	1751.0	1894.2	2002.8	2065.2
20°	2388.6	2344.7	2233.8	1868.8	1718.6	1697.8	1679.4	1866.5	1975.0	2014.3	2049.0
22.5°	2344.7	2298.5	2155.3	1804.1	1663.2	1647.0	1658.6	1931.2	1975.0	2002.8	2032.8
25°	2287.0	2247.7	2062.9	1753.3	1619.3	1600.8	1644.7	1924.2	1949.6	1956.6	2016.6
27.5°	2233.8	2183.0	1965.8	1707.1	1566.2	1559.2	1656.3	1894.2	1912.7	1919.6	1984.3
30°	2169.2	2092.9	1857.2	1658.6	1510.7	1508.4	1658.6	1857.2	1852.6	1871.1	1935.8
32.5°	2102.2	1958.9	1734.8	1598.5	1457.6	1455.3	1642.4	1801.8	1797.2	1822.6	1871.1
35°	2039.8	1854.9	1568.5	1529.2	1390.6	1392.9	1603.1	1737.1	1739.4	1762.5	1792.6
37.5°	1975.0	1764.8	1386.0	1453.0	1325.9	1325.9	1550.0	1677.1	1672.4	1679.4	1721.0
40°	1898.8	1623.9	1224.3	1353.7	1265.9	1259.0	1485.3	1612.4	1596.2	1593.9	1651.6
42.5°	1818.0	1469.2	1104.2	1222.0	1196.6	1187.3	1406.8	1533.8	1503.8	1510.7	1584.7
45°	1730.2	1427.6	1011.8	1032.6	1125.0	1118.0	1321.3	1443.8	1423.0	1441.4	1517.7
47.5°	1642.4	1344.4	981.8	857.0	1048.7	1046.4	1226.6	1356.0	1344.4	1362.9	1443.8
50°	1522.3	1252.0	979.4	734.6	963.3	972.5	1113.4	1270.5	1270.5	1286.7	1372.1
52.5°	1367.5	1138.8	889.4	665.3	863.9	891.7	1014.1	1196.6	1201.2	1217.4	1293.6
55°	1226.6	1021.0	824.7	612.2	746.1	806.2	917.1	1120.4	1129.6	1145.8	1215.1
57.5°	1097.2	850.1	810.8	549.8	637.6	695.3	831.6	1046.4	1051.0	1064.9	1131.9
60°	958.6	614.5	743.8	482.8	542.8	586.7	753.1	958.6	974.8	984.1	1041.8
62.5°	801.6	445.8	674.5	436.6	496.6	505.9	688.4	875.5	896.3	903.2	937.9
65°	570.6	374.2	572.9	397.3	448.1	450.4	619.1	790.0	808.5	820.0	845.5
67.5°	385.8	304.9	436.6	360.4	411.2	413.5	552.1	690.7	716.1	725.3	741.5
70°	268.0	203.3	323.4	321.1	369.6	374.2	480.5	600.6	623.7	630.6	639.9
72.5°	196.4	164.0	268.0	288.8	325.7	330.3	406.6	499.0	522.1	529.0	533.6
75°	150.2	173.2	217.1	251.8	277.2	279.5	332.6	406.6	422.7	427.4	429.7
77.5°	120.1	161.7	159.4	203.3	226.4	221.8	261.0	314.2	328.0	328.0	328.0
80°	90.1	127.0	120.1	145.5	166.3	161.7	187.1	224.1	228.7	233.3	231.0
82.5°	67.0	80.9	80.9	92.4	110.9	106.3	124.7	145.5	145.5	145.5	150.2
85°	41.6	46.2	37.0	48.5	62.4	60.1	69.3	78.5	80.9	80.9	76.2
87.5°	25.4	20.8	11.6	18.5	27.7	27.7	32.3	34.6	32.3	32.3	32.3
90°	12.4	8.5	4.8	8.5	12.4	13.3	20.9	31.1	36.2	32.2	24.1
92.5°	83.8	51.4	19.0	51.4	83.8	91.9	129.1	178.9	203.7	178.6	128.2
95°	164.2	105.0	45.7	105.0	164.2	179.0	317.9	503.0	595.6	531.5	403.2
97.5°	183.6	131.3	79.0	131.3	183.6	196.7	428.2	736.9	891.3	850.8	769.7
100°	199.5	152.2	104.7	152.2	199.5	211.4	468.3	810.9	982.2	985.1	991.1
102.5°	215.1	170.9	126.7	170.9	215.1	226.1	486.7	834.2	1007.9	1059.5	1162.8
105°	238.6	201.2	163.8	201.2	238.6	248.0	500.3	836.8	1005.1	1120.8	1352.3
107.5°	271.7	236.8	201.9	236.8	271.7	280.4	503.0	799.6	947.9	1109.4	1432.4
110°	290.7	259.1	227.6	259.1	290.7	298.5	499.1	766.6	900.4	1080.8	1441.8



TEST NUMBER: P934321

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	312.9	282.8	252.8	282.8	312.9	320.4	499.3	737.7	857.0	1041.7	1411.2
115°	346.3	318.6	290.9	318.6	346.3	353.3	503.9	704.7	805.1	983.1	1339.0
117.5°	378.8	353.7	328.5	353.7	378.8	385.2	513.2	684.0	769.4	930.0	1251.2
120°	397.8	374.1	350.4	374.1	397.8	403.7	520.8	677.1	755.1	901.9	1195.3
122.5°	419.6	395.8	371.8	395.8	419.6	425.7	531.8	673.4	744.1	876.3	1140.6
125°	448.3	426.5	404.7	426.5	448.3	453.8	546.6	670.4	732.3	844.5	1069.0
127.5°	475.4	453.4	431.4	453.4	475.4	480.9	561.3	668.6	722.3	818.7	1011.4
130°	493.0	469.4	445.7	469.4	493.0	499.0	572.1	669.7	718.5	804.3	975.9
132.5°	507.8	484.1	460.4	484.1	507.8	513.7	580.9	670.4	715.1	791.9	945.6
135°	525.4	503.9	482.3	503.9	525.4	530.8	590.4	669.7	709.4	773.8	902.4
137.5°	547.5	526.1	504.7	526.1	547.5	552.8	604.7	673.9	708.5	762.8	871.6
140°	562.6	542.9	523.2	542.9	562.6	567.5	613.4	674.5	705.1	752.1	846.1
142.5°	574.0	555.7	537.5	555.7	574.0	578.5	620.7	677.0	705.1	746.4	828.9
145°	591.1	575.3	559.4	575.3	591.1	595.1	630.2	677.0	700.4	734.1	801.6
147.5°	612.2	596.8	581.4	596.8	612.2	616.1	644.2	681.7	700.4	727.0	780.1
150°	623.5	609.5	595.6	609.5	623.5	627.0	651.5	684.1	700.4	722.8	767.6
152.5°	631.6	620.9	610.4	620.9	631.6	634.2	656.3	685.7	700.4	719.6	757.8
155°	648.0	640.1	632.2	640.1	648.0	649.9	666.7	689.2	700.4	715.6	746.1
157.5°	663.7	656.1	648.5	656.1	663.7	665.6	677.2	692.7	700.4	712.2	735.9
160°	671.3	665.4	659.4	665.4	671.3	672.7	682.0	694.2	700.4	710.6	730.8
162.5°	679.3	674.8	670.4	674.8	679.3	680.4	687.1	695.9	700.4	708.9	726.0
165°	690.3	686.3	682.3	686.3	690.3	691.3	694.3	698.4	700.4	706.6	718.8
167.5°	697.0	695.1	693.2	695.1	697.0	697.5	700.0	703.4	705.1	709.1	717.2
170°	704.2	702.2	700.4	702.2	704.2	704.6	704.8	705.0	705.1	709.1	717.2
172.5°	705.0	704.6	704.2	704.6	705.0	705.1	705.1	705.1	705.1	708.2	714.6
175°	709.4	709.4	709.4	709.4	709.4	709.4	707.9	706.0	705.1	707.1	711.2
177.5°	709.4	709.4	709.4	709.4	709.4	709.4	708.3	706.9	706.1	707.7	710.9
180°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4



TEST NUMBER: P934321

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2356.3	2349.3	2358.6	2333.2	2358.6	2349.3	2356.3	2372.4	2358.6	2367.8	2377.1
5°	2067.5	2056.0	2018.9	1988.9	2018.9	2056.0	2067.5	2116.0	2139.1	2180.7	2236.2
7.5°	1848.0	1838.8	1829.5	1811.0	1829.5	1838.8	1848.0	1861.9	1885.0	1921.9	1963.5
10°	1799.5	1801.8	1815.7	1813.4	1815.7	1801.8	1799.5	1794.9	1787.9	1794.9	1820.3
12.5°	1924.2	1945.0	2021.2	2016.6	2021.2	1945.0	1924.2	1831.8	1769.5	1757.9	1762.5
15°	2067.5	2074.5	2090.6	2092.9	2090.6	2074.5	2067.5	2030.5	1843.4	1762.5	1737.1
17.5°	2081.4	2083.7	2095.2	2095.2	2095.2	2083.7	2081.4	2065.2	2002.8	1894.2	1751.0
20°	2069.8	2074.5	2097.6	2102.2	2097.6	2074.5	2069.8	2049.0	2014.3	1975.0	1866.5
22.5°	2065.2	2074.5	2092.9	2090.6	2092.9	2074.5	2065.2	2032.8	2002.8	1975.0	1931.2
25°	2042.1	2042.1	2044.4	2046.7	2044.4	2042.1	2042.1	2016.6	1956.6	1949.6	1924.2
27.5°	1993.5	1998.2	2012.0	2009.7	2012.0	1998.2	1993.5	1984.3	1919.6	1912.7	1894.2
30°	1949.6	1945.0	1933.5	1924.2	1933.5	1945.0	1949.6	1935.8	1871.1	1852.6	1857.2
32.5°	1875.7	1864.2	1852.6	1845.7	1852.6	1864.2	1875.7	1871.1	1822.6	1797.2	1801.8
35°	1787.9	1790.2	1787.9	1781.0	1787.9	1790.2	1787.9	1792.6	1762.5	1739.4	1737.1
37.5°	1725.6	1730.2	1727.9	1718.6	1727.9	1730.2	1725.6	1721.0	1679.4	1672.4	1677.1
40°	1660.9	1663.2	1660.9	1654.0	1660.9	1663.2	1660.9	1651.6	1593.9	1596.2	1612.4
42.5°	1598.5	1596.2	1589.3	1584.7	1589.3	1596.2	1598.5	1584.7	1510.7	1503.8	1533.8
45°	1526.9	1529.2	1515.4	1508.4	1515.4	1529.2	1526.9	1517.7	1441.4	1423.0	1443.8
47.5°	1455.3	1455.3	1443.8	1436.8	1443.8	1455.3	1455.3	1443.8	1362.9	1344.4	1356.0
50°	1379.1	1376.8	1360.6	1358.3	1360.6	1376.8	1379.1	1372.1	1286.7	1270.5	1270.5
52.5°	1291.3	1291.3	1293.6	1298.2	1293.6	1291.3	1291.3	1293.6	1217.4	1201.2	1196.6
55°	1215.1	1217.4	1233.5	1238.2	1233.5	1217.4	1215.1	1215.1	1145.8	1129.6	1120.4
57.5°	1136.5	1136.5	1148.1	1148.1	1148.1	1136.5	1136.5	1131.9	1064.9	1051.0	1046.4
60°	1046.4	1051.0	1060.3	1058.0	1060.3	1051.0	1046.4	1041.8	984.1	974.8	958.6
62.5°	951.7	956.3	958.6	954.0	958.6	956.3	951.7	937.9	903.2	896.3	875.5
65°	852.4	857.0	859.3	854.7	859.3	857.0	852.4	845.5	820.0	808.5	790.0
67.5°	750.8	748.4	746.1	755.4	746.1	748.4	750.8	741.5	725.3	716.1	690.7
70°	646.8	646.8	644.5	649.1	644.5	646.8	646.8	639.9	630.6	623.7	600.6
72.5°	535.9	533.6	542.8	535.9	542.8	533.6	535.9	533.6	529.0	522.1	499.0
75°	427.4	432.0	427.4	434.3	427.4	432.0	427.4	429.7	427.4	422.7	406.6
77.5°	325.7	330.3	325.7	325.7	325.7	330.3	325.7	328.0	328.0	328.0	314.2
80°	231.0	228.7	228.7	226.4	228.7	228.7	231.0	231.0	233.3	228.7	224.1
82.5°	147.8	145.5	145.5	150.2	145.5	145.5	147.8	150.2	145.5	145.5	145.5
85°	80.9	83.2	78.5	78.5	78.5	83.2	80.9	76.2	80.9	80.9	78.5
87.5°	30.0	27.7	27.7	27.7	27.7	27.7	30.0	32.3	32.3	32.3	34.6
90°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	24.1	32.2	36.2	31.1
92.5°	90.5	86.9	72.5	58.1	72.5	86.9	90.5	128.2	178.6	203.7	178.9
95°	307.1	296.1	252.6	209.0	252.6	296.1	307.1	403.2	531.5	595.6	503.0
97.5°	708.9	688.2	605.2	522.3	605.2	688.2	708.9	769.7	850.8	891.3	736.9
100°	995.5	970.8	872.0	773.2	872.0	970.8	995.5	991.1	985.1	982.2	810.9
102.5°	1240.2	1219.1	1134.4	1049.8	1134.4	1219.1	1240.2	1162.8	1059.5	1007.9	834.2
105°	1525.9	1514.5	1469.1	1423.6	1469.1	1514.5	1525.9	1352.3	1120.8	1005.1	836.8
107.5°	1674.5	1677.3	1688.2	1699.2	1688.2	1677.3	1674.5	1432.4	1109.4	947.9	799.6
110°	1712.6	1724.4	1771.8	1819.2	1771.8	1724.4	1712.6	1441.8	1080.8	900.4	766.6



TEST NUMBER: P934321

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1688.3	1706.5	1779.3	1852.1	1779.3	1706.5	1688.3	1411.2	1041.7	857.0	737.7
115°	1605.9	1631.2	1732.1	1833.1	1732.1	1631.2	1605.9	1339.0	983.1	805.1	704.7
117.5°	1492.1	1520.1	1632.0	1744.0	1632.0	1520.1	1492.1	1251.2	930.0	769.4	684.0
120°	1415.5	1442.7	1551.5	1660.2	1551.5	1442.7	1415.5	1195.3	901.9	755.1	677.1
122.5°	1338.8	1365.6	1472.9	1580.2	1472.9	1365.6	1338.8	1140.6	876.3	744.1	673.4
125°	1237.4	1262.1	1360.9	1459.8	1360.9	1262.1	1237.4	1069.0	844.5	732.3	670.4
127.5°	1156.0	1176.9	1260.2	1343.6	1260.2	1176.9	1156.0	1011.4	818.7	722.3	668.6
130°	1104.6	1123.8	1200.9	1277.9	1200.9	1123.8	1104.6	975.9	804.3	718.5	669.7
132.5°	1060.8	1078.0	1147.0	1216.0	1147.0	1078.0	1060.8	945.6	791.9	715.1	670.4
135°	998.9	1013.8	1073.2	1132.7	1073.2	1013.8	998.9	902.4	773.8	709.4	669.7
137.5°	953.2	965.3	1014.0	1062.7	1014.0	965.3	953.2	871.6	762.8	708.5	673.9
140°	916.5	927.9	973.4	1018.9	973.4	927.9	916.5	846.1	752.1	705.1	674.5
142.5°	890.8	900.6	939.8	978.9	939.8	900.6	890.8	828.9	746.4	705.1	677.0
145°	852.2	859.6	889.3	918.9	889.3	859.6	852.2	801.6	734.1	700.4	677.0
147.5°	819.9	826.1	850.5	875.1	850.5	826.1	819.9	780.1	727.0	700.4	681.7
150°	801.3	806.3	826.1	846.1	826.1	806.3	801.3	767.6	722.8	700.4	684.1
152.5°	786.6	790.3	805.3	820.4	805.3	790.3	786.6	757.8	719.6	700.4	685.7
155°	768.9	771.4	781.4	791.3	781.4	771.4	768.9	746.1	715.6	700.4	689.2
157.5°	753.7	755.4	762.4	769.4	762.4	755.4	753.7	735.9	712.2	700.4	692.7
160°	746.1	747.1	751.1	755.1	751.1	747.1	746.1	730.8	710.6	700.4	694.2
162.5°	738.9	739.8	743.7	747.5	743.7	739.8	738.9	726.0	708.9	700.4	695.9
165°	728.0	729.0	733.0	737.0	733.0	729.0	728.0	718.8	706.6	700.4	698.4
167.5°	723.2	723.6	725.3	727.0	725.3	723.6	723.2	717.2	709.1	705.1	703.4
170°	723.2	723.2	723.2	723.2	723.2	723.2	723.2	717.2	709.1	705.1	705.0
172.5°	719.4	719.0	717.6	716.1	717.6	719.0	719.4	714.6	708.2	705.1	705.1
175°	714.2	714.2	714.2	714.2	714.2	714.2	714.2	711.2	707.1	705.1	706.0
177.5°	713.3	712.8	711.1	709.4	711.1	712.8	713.3	710.9	707.7	706.1	706.9
180°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4



TEST NUMBER: P934321

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2411.7	2423.3	2430.2	2439.4	2462.5
5°	2319.3	2363.2	2377.1	2411.7	2453.3
7.5°	2116.0	2250.0	2287.0	2370.1	2434.8
10°	1919.6	2053.7	2118.3	2314.7	2411.7
12.5°	1820.3	1898.8	1942.7	2217.7	2379.4
15°	1757.9	1813.4	1845.7	2088.3	2342.4
17.5°	1709.4	1748.7	1771.8	1961.2	2291.6
20°	1679.4	1697.8	1718.6	1868.8	2233.8
22.5°	1658.6	1647.0	1663.2	1804.1	2155.3
25°	1644.7	1600.8	1619.3	1753.3	2062.9
27.5°	1656.3	1559.2	1566.2	1707.1	1965.8
30°	1658.6	1508.4	1510.7	1658.6	1857.2
32.5°	1642.4	1455.3	1457.6	1598.5	1734.8
35°	1603.1	1392.9	1390.6	1529.2	1568.5
37.5°	1550.0	1325.9	1325.9	1453.0	1386.0
40°	1485.3	1259.0	1265.9	1353.7	1224.3
42.5°	1406.8	1187.3	1196.6	1222.0	1104.2
45°	1321.3	1118.0	1125.0	1032.6	1011.8
47.5°	1226.6	1046.4	1048.7	857.0	981.8
50°	1113.4	972.5	963.3	734.6	979.4
52.5°	1014.1	891.7	863.9	665.3	889.4
55°	917.1	806.2	746.1	612.2	824.7
57.5°	831.6	695.3	637.6	549.8	810.8
60°	753.1	586.7	542.8	482.8	743.8
62.5°	688.4	505.9	496.6	436.6	674.5
65°	619.1	450.4	448.1	397.3	572.9
67.5°	552.1	413.5	411.2	360.4	436.6
70°	480.5	374.2	369.6	321.1	323.4
72.5°	406.6	330.3	325.7	288.8	268.0
75°	332.6	279.5	277.2	251.8	217.1
77.5°	261.0	221.8	226.4	203.3	159.4
80°	187.1	161.7	166.3	145.5	120.1
82.5°	124.7	106.3	110.9	92.4	80.9
85°	69.3	60.1	62.4	48.5	37.0
87.5°	32.3	27.7	27.7	18.5	11.6
90°	20.9	13.3	12.4	8.5	4.8
92.5°	129.1	91.9	83.8	51.4	19.0
95°	317.9	179.0	164.2	105.0	45.7
97.5°	428.2	196.7	183.6	131.3	79.0
100°	468.3	211.4	199.5	152.2	104.7
102.5°	486.7	226.1	215.1	170.9	126.7
105°	500.3	248.0	238.6	201.2	163.8
107.5°	503.0	280.4	271.7	236.8	201.9
110°	499.1	298.5	290.7	259.1	227.6



TEST NUMBER: P934321

CATALOG NUMBER: SQ4-FA-050U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	499.3	320.4	312.9	282.8	252.8
115°	503.9	353.3	346.3	318.6	290.9
117.5°	513.2	385.2	378.8	353.7	328.5
120°	520.8	403.7	397.8	374.1	350.4
122.5°	531.8	425.7	419.6	395.8	371.8
125°	546.6	453.8	448.3	426.5	404.7
127.5°	561.3	480.9	475.4	453.4	431.4
130°	572.1	499.0	493.0	469.4	445.7
132.5°	580.9	513.7	507.8	484.1	460.4
135°	590.4	530.8	525.4	503.9	482.3
137.5°	604.7	552.8	547.5	526.1	504.7
140°	613.4	567.5	562.6	542.9	523.2
142.5°	620.7	578.5	574.0	555.7	537.5
145°	630.2	595.1	591.1	575.3	559.4
147.5°	644.2	616.1	612.2	596.8	581.4
150°	651.5	627.0	623.5	609.5	595.6
152.5°	656.3	634.2	631.6	620.9	610.4
155°	666.7	649.9	648.0	640.1	632.2
157.5°	677.2	665.6	663.7	656.1	648.5
160°	682.0	672.7	671.3	665.4	659.4
162.5°	687.1	680.4	679.3	674.8	670.4
165°	694.3	691.3	690.3	686.3	682.3
167.5°	700.0	697.5	697.0	695.1	693.2
170°	704.8	704.6	704.2	702.2	700.4
172.5°	705.1	705.1	705.0	704.6	704.2
175°	707.9	709.4	709.4	709.4	709.4
177.5°	708.3	709.4	709.4	709.4	709.4
180°	709.4	709.4	709.4	709.4	709.4



TEST NUMBER: P934321
 CATALOG NUMBER: SQ4-FA-050U-075D-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	12.54	13.48	13.42	14.38	15.54	15.39	16.33	16.28	17.23	18.39
	3H	13.02	13.86	13.92	14.78	15.96	16.75	17.59	17.65	18.50	19.68
	4H	13.22	14.01	14.13	14.93	16.12	17.20	17.99	18.11	18.92	20.10
	6H	13.34	14.07	14.26	15.00	16.20	17.49	18.23	18.42	19.15	20.36
	8H	13.34	14.04	14.27	14.98	16.18	17.57	18.27	18.51	19.22	20.42
	12H	13.32	13.98	14.25	14.92	16.14	17.62	18.28	18.56	19.22	20.45
4H	2H	13.59	14.38	14.50	15.30	16.49	15.81	16.60	16.73	17.52	18.71
	3H	14.62	15.28	15.55	16.23	17.44	17.33	17.99	18.26	18.94	20.14
	4H	14.90	15.50	15.84	16.45	17.68	17.86	18.47	18.80	19.41	20.64
	6H	15.03	15.55	15.98	16.52	17.75	18.24	18.76	19.19	19.73	20.96
	8H	15.04	15.52	15.99	16.49	17.73	18.35	18.84	19.31	19.80	21.04
	12H	15.01	15.45	15.98	16.43	17.67	18.41	18.85	19.39	19.83	21.08
8H	4H	15.36	15.85	16.32	16.81	18.06	17.99	18.48	18.95	19.44	20.69
	6H	15.63	16.03	16.61	17.04	18.28	18.44	18.84	19.42	19.85	21.09
	8H	15.67	16.03	16.66	17.02	18.28	18.59	18.95	19.58	19.94	21.20
	12H	15.66	15.97	16.65	16.96	18.27	18.70	19.01	19.69	20.00	21.31
12H	4H	15.37	15.81	16.35	16.79	18.04	17.96	18.40	18.94	19.38	20.63
	6H	15.69	16.05	16.68	17.04	18.30	18.44	18.79	19.43	19.79	21.05
	8H	15.76	16.07	16.75	17.06	18.37	18.60	18.92	19.60	19.91	21.21