

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: P934356

Luminaire Tested: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934356
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-93050-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

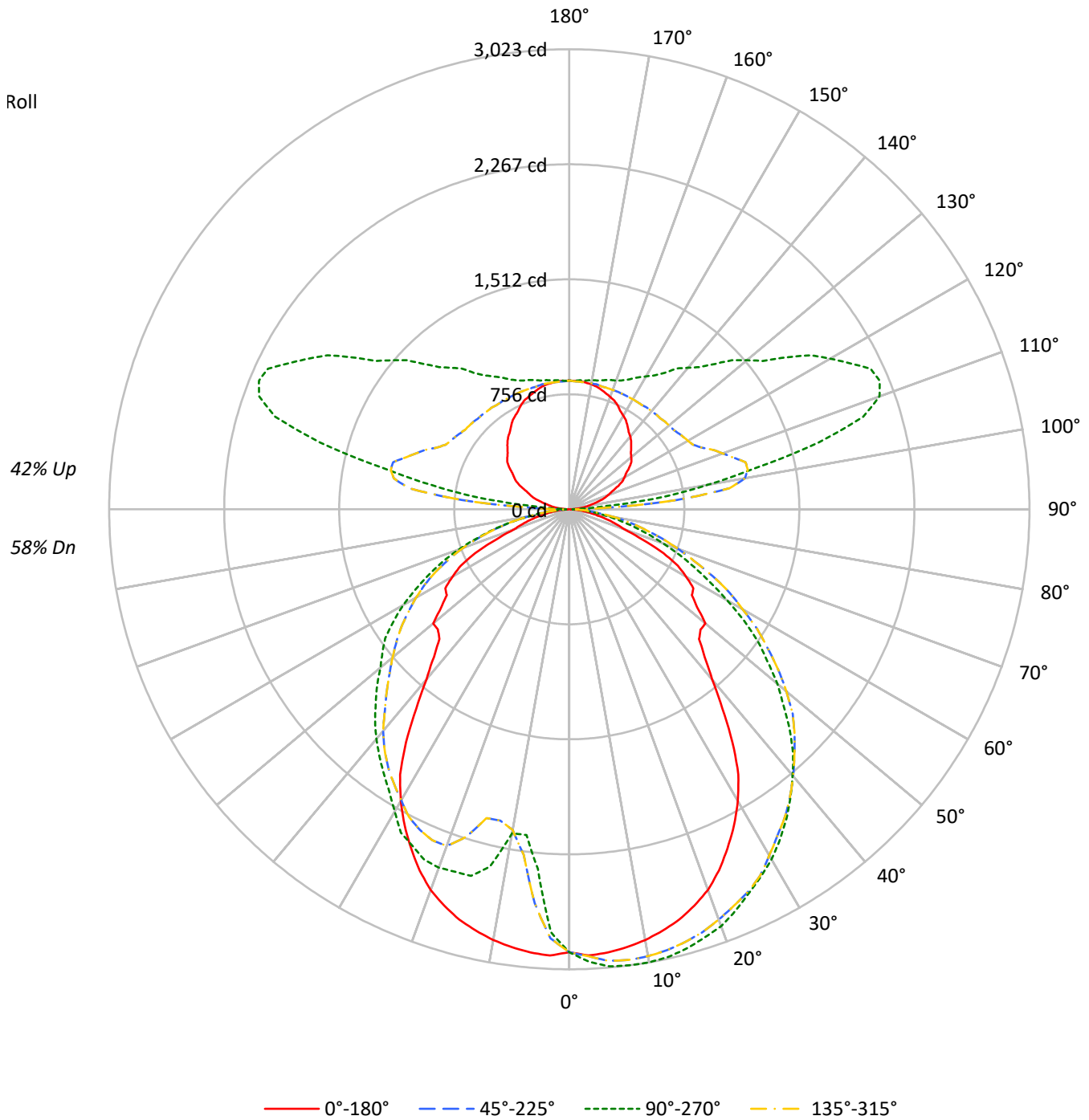
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13029.3 lumens
Efficiency: N/A
Efficacy: 119.3 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: P934356
CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P934356

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63	58			58
1	100	95	91	88	93	89	86	83	77	75	72	66	64	63	56	55	54	49			49
2	91	83	77	72	84	78	72	68	68	63	60	58	55	52	49	47	45	41			41
3	83	73	66	60	77	68	62	57	60	55	50	51	48	44	44	41	39	35			35
4	76	65	57	51	70	61	54	48	53	47	43	46	41	38	39	36	33	30			30
5	70	58	49	43	65	54	47	41	47	42	37	41	37	33	35	32	29	26			26
6	64	52	44	38	60	49	41	36	43	37	32	37	32	29	32	28	25	23			23
7	59	47	39	33	55	44	37	31	39	33	28	34	29	25	29	25	23	20			20
8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	27	23	20	18			18
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	25	21	18	16			16
10	48	36	28	23	45	34	27	22	30	24	20	26	22	18	23	19	17	15			15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9001	9001	9001	9001
5°	9072	9086	9072	7144
10°	9014	8950	9014	6399
15°	8920	8757	8920	7312
20°	8737	8527	8737	7327
25°	8358	8192	8358	7172
30°	7868	7914	7868	6831
35°	7017	7562	7017	6456
40°	5851	7147	5851	6173
45°	5231	6662	5231	5848
50°	5562	6084	5562	5521
55°	5238	5461	5238	5332
60°	5406	4638	5406	4883
65°	4910	3834	4910	4286
70°	3407	3056	3407	3593
75°	3000	2259	3000	2705
80°	2436	1493	2436	1626
85°	1426	791	1426	672

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8012 cd/sqm



TEST NUMBER: P934356

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.7	2.0
10°-20°	745.8	5.7
20°-30°	1152.9	8.8
30°-40°	1376.3	10.6
40°-50°	1384.4	10.6
50°-60°	1204.6	9.2
60°-70°	854.1	6.6
70°-80°	451.9	3.5
80°-90°	115.8	0.9
90°-100°	412.1	3.2
100°-110°	1083.5	8.3
110°-120°	1123.5	8.6
120°-130°	901.2	6.9
130°-140°	707.1	5.4
140°-150°	542.7	4.2
150°-160°	390.9	3.0
160°-170°	239.1	1.8
170°-180°	80.8	0.6
0°-30°	2161.4	16.6
0°-40°	3537.8	27.2
0°-60°	6126.8	47.0
0°-90°	7548.4	57.9
90°-120°	2619.1	20.1
90°-150°	4770.1	36.6
90°-180°	5481.0	42.1
0°-180°	13029.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2910	2910	2910	2910	2910	
5°	2924	3015	2924	2370	2924	277
15°	2792	2987	2792	2494	2792	785
25°	2459	2786	2459	2439	2459	1129
35°	1869	2486	1869	2123	1869	1157
45°	1206	2048	1206	1798	1206	966
55°	983	1511	983	1476	983	903
65°	683	911	683	1019	683	653
75°	259	432	259	518	259	272
85°	44	110	44	94	44	59
90°	6	22	6	22	6	7
95°	54	249	54	249	54	60
105°	195	1697	195	1697	195	207
115°	347	2185	347	2185	347	342
125°	482	1740	482	1740	482	428
135°	575	1350	575	1350	575	445
145°	667	1095	667	1095	667	418
155°	754	943	754	943	754	346
165°	813	878	813	878	813	229
175°	846	851	846	851	846	80
180°	846	846	846	846	846	



TEST NUMBER: P934356

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2934.9	2934.9	2951.4	2956.9	2956.9	2948.6	2940.4	2948.6	2973.4	2981.7	2978.9
5°	2923.9	2945.9	2976.2	2981.7	2987.2	2984.4	2978.9	2984.4	3012.0	3017.5	3020.2
7.5°	2901.8	2943.1	2981.7	2989.9	2998.2	2989.9	2987.2	2992.7	3020.2	3025.7	3025.7
10°	2874.3	2932.1	2976.2	2981.7	2989.9	2981.7	2981.7	2992.7	3020.2	3025.7	3028.5
12.5°	2835.8	2915.6	2956.9	2962.4	2973.4	2970.7	2967.9	2978.9	3006.5	3012.0	3012.0
15°	2791.7	2885.3	2923.9	2929.4	2948.6	2943.1	2943.1	2954.2	2984.4	2992.7	2989.9
17.5°	2731.2	2846.8	2890.8	2899.1	2912.9	2910.1	2912.9	2923.9	2951.4	2956.9	2959.7
20°	2662.3	2794.5	2846.8	2855.0	2868.8	2868.8	2868.8	2882.6	2910.1	2921.1	2921.1
22.5°	2568.7	2739.4	2794.5	2800.0	2816.5	2816.5	2822.0	2841.3	2866.1	2868.8	2868.8
25°	2458.6	2678.8	2725.6	2742.2	2758.7	2766.9	2775.2	2786.2	2794.5	2791.7	2794.5
27.5°	2342.9	2601.8	2662.3	2673.3	2695.4	2703.6	2714.6	2717.4	2720.1	2728.4	2722.9
30°	2213.5	2494.4	2585.2	2596.3	2632.0	2637.5	2626.5	2632.0	2645.8	2651.3	2656.8
32.5°	2067.6	2334.6	2505.4	2530.2	2563.2	2546.7	2543.9	2552.2	2574.2	2574.2	2579.7
35°	1869.3	2210.7	2431.1	2453.1	2477.9	2458.6	2469.6	2472.4	2486.1	2494.4	2491.6
37.5°	1651.9	2103.4	2353.9	2370.4	2389.7	2364.9	2381.4	2389.7	2400.7	2395.2	2395.2
40°	1459.1	1935.4	2263.0	2274.0	2290.6	2271.3	2287.8	2293.3	2298.8	2293.3	2290.6
42.5°	1316.0	1751.0	2166.7	2180.4	2169.4	2183.2	2188.7	2199.7	2191.5	2180.4	2180.4
45°	1205.9	1701.4	2062.1	2078.6	2062.1	2084.1	2092.3	2092.3	2067.6	2062.1	2059.3
47.5°	1170.1	1602.3	1957.4	1957.4	1949.2	1976.7	1990.5	1971.2	1946.4	1938.2	1938.2
50°	1167.3	1492.2	1814.3	1803.3	1841.8	1874.9	1861.1	1841.8	1822.5	1792.3	1792.3
52.5°	1059.9	1357.3	1629.8	1671.1	1731.7	1751.0	1728.9	1709.7	1676.6	1662.9	1651.9
55°	982.9	1216.9	1461.9	1544.5	1607.8	1632.6	1591.3	1572.0	1522.5	1514.2	1508.7
57.5°	966.3	1013.1	1307.7	1412.3	1489.4	1486.7	1461.9	1426.1	1384.8	1376.5	1373.8
60°	886.5	732.3	1142.5	1266.4	1346.3	1338.0	1316.0	1282.9	1244.4	1238.9	1233.4
62.5°	803.9	531.3	955.3	1095.7	1208.6	1205.9	1186.6	1137.0	1109.5	1095.7	1084.7
65°	682.8	446.0	680.0	911.3	1073.7	1079.2	1037.9	1002.1	971.8	955.3	952.6
67.5°	520.3	363.4	459.8	759.9	944.3	938.8	886.5	870.0	831.4	823.2	806.7
70°	385.4	242.3	319.4	616.7	817.7	803.9	762.6	743.3	707.5	688.3	677.3
72.5°	319.4	195.5	234.0	479.0	688.3	671.8	636.0	613.9	583.7	567.1	556.1
75°	258.8	206.5	179.0	355.1	558.9	547.9	514.8	492.8	468.0	446.0	448.8
77.5°	190.0	192.7	143.2	261.5	443.2	426.7	407.5	379.9	368.9	346.9	346.9
80°	143.2	151.4	107.4	179.0	319.4	319.4	302.8	283.6	264.3	253.3	253.3
82.5°	96.4	96.4	79.8	112.9	217.5	209.2	198.2	192.7	181.7	176.2	176.2
85°	44.0	55.1	49.6	68.8	118.4	123.9	123.9	118.4	115.6	110.1	112.9
87.5°	13.8	24.8	30.3	38.5	60.6	63.3	66.1	66.1	66.1	68.8	68.8
90°	5.7	10.2	14.8	15.9	25.0	37.1	43.1	38.4	28.7	21.6	21.6
92.5°	22.7	61.2	99.8	109.5	153.9	213.2	242.8	212.8	152.8	107.8	103.5
95°	54.5	125.1	195.7	213.4	378.8	599.5	709.8	633.4	480.6	366.0	352.9
97.5°	94.2	156.5	218.8	234.4	510.3	878.2	1062.2	1014.0	917.3	844.9	820.2
100°	124.8	181.3	237.8	251.9	558.1	966.4	1170.6	1174.1	1181.2	1186.5	1157.0
102.5°	151.0	203.6	256.3	269.5	580.1	994.2	1201.3	1262.7	1385.8	1478.1	1452.9
105°	195.2	239.8	284.4	295.6	596.3	997.4	1197.9	1335.8	1611.7	1818.6	1805.0
107.5°	240.6	282.2	323.9	334.2	599.4	953.0	1129.8	1322.2	1707.1	1995.7	1999.0
110°	271.3	308.8	346.4	355.8	594.8	913.7	1073.1	1288.2	1718.4	2041.0	2055.2



TEST NUMBER: P934356

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	301.3	337.1	372.9	381.9	595.0	879.2	1021.4	1241.5	1681.9	2012.1	2033.8
115°	346.7	379.7	412.8	421.0	600.5	839.9	959.5	1171.6	1595.8	1913.9	1944.0
117.5°	391.5	421.5	451.5	459.0	611.6	815.2	917.0	1108.4	1491.2	1778.3	1811.6
120°	417.6	445.9	474.1	481.1	620.7	806.9	900.0	1074.9	1424.6	1687.0	1719.4
122.5°	443.2	471.7	500.1	507.3	633.9	802.5	886.9	1044.3	1359.4	1595.6	1627.5
125°	482.3	508.3	534.3	540.8	651.5	798.9	872.7	1006.5	1274.0	1474.7	1504.2
127.5°	514.1	540.3	566.6	573.1	669.0	796.8	860.8	975.7	1205.4	1377.7	1402.6
130°	531.2	559.4	587.6	594.7	681.8	798.1	856.3	958.5	1163.1	1316.4	1339.4
132.5°	548.7	577.0	605.2	612.3	692.3	798.9	852.3	943.8	1126.9	1264.2	1284.8
135°	574.8	600.5	626.2	632.7	703.6	798.2	845.5	922.2	1075.5	1190.5	1208.2
137.5°	601.5	627.0	652.5	658.8	720.7	803.2	844.4	909.2	1038.8	1136.0	1150.5
140°	623.6	647.1	670.5	676.3	731.0	803.9	840.3	896.3	1008.4	1092.3	1105.9
142.5°	640.6	662.3	684.0	689.5	739.8	806.8	840.3	889.5	987.9	1061.7	1073.3
145°	666.7	685.6	704.5	709.3	751.1	806.8	834.7	874.9	955.4	1015.7	1024.5
147.5°	692.9	711.2	729.7	734.2	767.7	812.4	834.7	866.4	929.7	977.2	984.5
150°	709.8	726.4	743.1	747.3	776.5	815.3	834.7	861.4	914.9	955.0	960.9
152.5°	727.5	740.0	752.7	755.8	782.2	817.2	834.7	857.6	903.2	937.4	941.9
155°	753.5	762.9	772.2	774.5	794.6	821.3	834.7	852.9	889.2	916.4	919.3
157.5°	772.9	782.0	791.0	793.3	807.1	825.6	834.7	848.9	877.0	898.2	900.4
160°	785.9	793.0	800.0	801.8	812.8	827.4	834.7	846.8	871.0	889.2	890.3
162.5°	798.9	804.3	809.6	810.9	818.9	829.4	834.7	844.9	865.3	880.6	881.7
165°	813.2	817.9	822.7	823.9	827.5	832.3	834.7	842.1	856.7	867.6	868.8
167.5°	826.2	828.4	830.7	831.2	834.3	838.3	840.3	845.1	854.7	861.9	862.4
170°	834.7	836.9	839.2	839.8	840.0	840.2	840.3	845.1	854.7	861.9	861.9
172.5°	839.2	839.7	840.2	840.3	840.3	840.3	840.3	844.1	851.7	857.4	856.9
175°	845.5	845.5	845.5	845.5	843.7	841.4	840.3	842.7	847.6	851.2	851.2
177.5°	845.5	845.5	845.5	845.5	844.2	842.4	841.5	843.5	847.2	850.1	849.5
180°	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5



TEST NUMBER: P934356

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2984.4	2976.2	2984.4	2978.9	2981.7	2973.4	2948.6	2940.4	2948.6	2956.9	2956.9
5°	3020.2	3014.7	3020.2	3020.2	3017.5	3012.0	2984.4	2978.9	2984.4	2987.2	2981.7
7.5°	3031.2	3023.0	3031.2	3025.7	3025.7	3020.2	2992.7	2987.2	2989.9	2998.2	2989.9
10°	3031.2	3023.0	3031.2	3028.5	3025.7	3020.2	2992.7	2981.7	2981.7	2989.9	2981.7
12.5°	3017.5	3012.0	3017.5	3012.0	3012.0	3006.5	2978.9	2967.9	2970.7	2973.4	2962.4
15°	2995.4	2987.2	2995.4	2989.9	2992.7	2984.4	2954.2	2943.1	2943.1	2948.6	2929.4
17.5°	2962.4	2951.4	2962.4	2959.7	2956.9	2951.4	2923.9	2912.9	2910.1	2912.9	2899.1
20°	2923.9	2915.6	2923.9	2921.1	2921.1	2910.1	2882.6	2868.8	2868.8	2868.8	2855.0
22.5°	2863.3	2855.0	2863.3	2868.8	2868.8	2866.1	2841.3	2822.0	2816.5	2816.5	2800.0
25°	2794.5	2786.2	2794.5	2794.5	2791.7	2794.5	2786.2	2775.2	2766.9	2758.7	2742.2
27.5°	2728.4	2722.9	2728.4	2722.9	2728.4	2720.1	2717.4	2714.6	2703.6	2695.4	2673.3
30°	2662.3	2656.8	2662.3	2656.8	2651.3	2645.8	2632.0	2626.5	2637.5	2632.0	2596.3
32.5°	2579.7	2574.2	2579.7	2579.7	2574.2	2574.2	2552.2	2543.9	2546.7	2563.2	2530.2
35°	2494.4	2486.1	2494.4	2491.6	2494.4	2486.1	2472.4	2469.6	2458.6	2477.9	2453.1
37.5°	2395.2	2386.9	2395.2	2395.2	2395.2	2400.7	2389.7	2381.4	2364.9	2389.7	2370.4
40°	2293.3	2282.3	2293.3	2290.6	2293.3	2298.8	2293.3	2287.8	2271.3	2290.6	2274.0
42.5°	2177.7	2174.9	2177.7	2180.4	2180.4	2191.5	2199.7	2188.7	2183.2	2169.4	2180.4
45°	2053.8	2048.3	2053.8	2059.3	2062.1	2067.6	2092.3	2092.3	2084.1	2062.1	2078.6
47.5°	1921.7	1907.9	1921.7	1938.2	1938.2	1946.4	1971.2	1990.5	1976.7	1949.2	1957.4
50°	1781.2	1784.0	1781.2	1792.3	1792.3	1822.5	1841.8	1861.1	1874.9	1841.8	1803.3
52.5°	1643.6	1640.8	1643.6	1651.9	1662.9	1676.6	1709.7	1728.9	1751.0	1731.7	1671.1
55°	1505.9	1511.4	1505.9	1508.7	1514.2	1522.5	1572.0	1591.3	1632.6	1607.8	1544.5
57.5°	1368.3	1360.0	1368.3	1373.8	1376.5	1384.8	1426.1	1461.9	1486.7	1489.4	1412.3
60°	1208.6	1197.6	1208.6	1233.4	1238.9	1244.4	1282.9	1316.0	1338.0	1346.3	1266.4
62.5°	1068.2	1048.9	1068.2	1084.7	1095.7	1109.5	1137.0	1186.6	1205.9	1208.6	1095.7
65°	919.5	911.3	919.5	952.6	955.3	971.8	1002.1	1037.9	1079.2	1073.7	911.3
67.5°	784.6	784.6	784.6	806.7	823.2	831.4	870.0	886.5	938.8	944.3	759.9
70°	660.7	658.0	660.7	677.3	688.3	707.5	743.3	762.6	803.9	817.7	616.7
72.5°	542.4	539.6	542.4	556.1	567.1	583.7	613.9	636.0	671.8	688.3	479.0
75°	437.7	432.2	437.7	448.8	446.0	468.0	492.8	514.8	547.9	558.9	355.1
77.5°	335.9	335.9	335.9	346.9	346.9	368.9	379.9	407.5	426.7	443.2	261.5
80°	250.5	247.8	250.5	253.3	253.3	264.3	283.6	302.8	319.4	319.4	179.0
82.5°	176.2	170.7	176.2	176.2	176.2	181.7	192.7	198.2	209.2	217.5	112.9
85°	110.1	110.1	110.1	112.9	110.1	115.6	118.4	123.9	123.9	118.4	68.8
87.5°	71.6	68.8	71.6	68.8	68.8	66.1	66.1	66.1	63.3	60.6	38.5
90°	21.6	21.6	21.6	21.6	21.6	28.7	38.4	43.1	37.1	25.0	15.9
92.5°	86.4	69.2	86.4	103.5	107.8	152.8	212.8	242.8	213.2	153.9	109.5
95°	301.0	249.1	301.0	352.9	366.0	480.6	633.4	709.8	599.5	378.8	213.4
97.5°	721.3	622.5	721.3	820.2	844.9	917.3	1014.0	1062.2	878.2	510.3	234.4
100°	1039.3	921.5	1039.3	1157.0	1186.5	1181.2	1174.1	1170.6	966.4	558.1	251.9
102.5°	1352.0	1251.2	1352.0	1452.9	1478.1	1385.8	1262.7	1201.3	994.2	580.1	269.5
105°	1750.9	1696.6	1750.9	1805.0	1818.6	1611.7	1335.8	1197.9	997.4	596.3	295.6
107.5°	2012.0	2025.2	2012.0	1999.0	1995.7	1707.1	1322.2	1129.8	953.0	599.4	334.2
110°	2111.6	2168.1	2111.6	2055.2	2041.0	1718.4	1288.2	1073.1	913.7	594.8	355.8



TEST NUMBER: P934356

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2120.6	2207.3	2120.6	2033.8	2012.1	1681.9	1241.5	1021.4	879.2	595.0	381.9
115°	2064.4	2184.7	2064.4	1944.0	1913.9	1595.8	1171.6	959.5	839.9	600.5	421.0
117.5°	1945.1	2078.5	1945.1	1811.6	1778.3	1491.2	1108.4	917.0	815.2	611.6	459.0
120°	1849.1	1978.6	1849.1	1719.4	1687.0	1424.6	1074.9	900.0	806.9	620.7	481.1
122.5°	1755.5	1883.3	1755.5	1627.5	1595.6	1359.4	1044.3	886.9	802.5	633.9	507.3
125°	1621.9	1739.8	1621.9	1504.2	1474.7	1274.0	1006.5	872.7	798.9	651.5	540.8
127.5°	1501.9	1601.3	1501.9	1402.6	1377.7	1205.4	975.7	860.8	796.8	669.0	573.1
130°	1431.2	1523.0	1431.2	1339.4	1316.4	1163.1	958.5	856.3	798.1	681.8	594.7
132.5°	1367.0	1449.2	1367.0	1284.8	1264.2	1126.9	943.8	852.3	798.9	692.3	612.3
135°	1279.1	1349.9	1279.1	1208.2	1190.5	1075.5	922.2	845.5	798.2	703.6	632.7
137.5°	1208.5	1266.5	1208.5	1150.5	1136.0	1038.8	909.2	844.4	803.2	720.7	658.8
140°	1160.1	1214.3	1160.1	1105.9	1092.3	1008.4	896.3	840.3	803.9	731.0	676.3
142.5°	1120.0	1166.7	1120.0	1073.3	1061.7	987.9	889.5	840.3	806.8	739.8	689.5
145°	1059.8	1095.2	1059.8	1024.5	1015.7	955.4	874.9	834.7	806.8	751.1	709.3
147.5°	1013.7	1043.0	1013.7	984.5	977.2	929.7	866.4	834.7	812.4	767.7	734.2
150°	984.6	1008.4	984.6	960.9	955.0	914.9	861.4	834.7	815.3	776.5	747.3
152.5°	959.8	977.7	959.8	941.9	937.4	903.2	857.6	834.7	817.2	782.2	755.8
155°	931.3	943.1	931.3	919.3	916.4	889.2	852.9	834.7	821.3	794.6	774.5
157.5°	908.6	917.0	908.6	900.4	898.2	877.0	848.9	834.7	825.6	807.1	793.3
160°	895.2	900.0	895.2	890.3	889.2	871.0	846.8	834.7	827.4	812.8	801.8
162.5°	886.3	890.9	886.3	881.7	880.6	865.3	844.9	834.7	829.4	818.9	810.9
165°	873.6	878.4	873.6	868.8	867.6	856.7	842.1	834.7	832.3	827.5	823.9
167.5°	864.5	866.5	864.5	862.4	861.9	854.7	845.1	840.3	838.3	834.3	831.2
170°	861.9	861.9	861.9	861.9	861.9	854.7	845.1	840.3	840.2	840.0	839.8
172.5°	855.2	853.5	855.2	856.9	857.4	851.7	844.1	840.3	840.3	840.3	840.3
175°	851.2	851.2	851.2	851.2	851.2	847.6	842.7	840.3	841.4	843.7	845.5
177.5°	847.5	845.5	847.5	849.5	850.1	847.2	843.5	841.5	842.4	844.2	845.5
180°	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5



TEST NUMBER: P934356

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2951.4	2934.9	2934.9	2907.3	2896.3	2888.1	2874.3	2833.0	2822.0	2811.0	2827.5
5°	2976.2	2945.9	2923.9	2874.3	2833.0	2816.5	2764.2	2665.1	2599.0	2549.4	2521.9
7.5°	2981.7	2943.1	2901.8	2824.8	2725.6	2681.6	2521.9	2340.1	2290.6	2246.5	2219.0
10°	2976.2	2932.1	2874.3	2758.7	2524.7	2447.6	2287.8	2169.4	2139.1	2130.9	2139.1
12.5°	2956.9	2915.6	2835.8	2643.1	2315.3	2263.0	2169.4	2100.6	2095.1	2108.9	2183.2
15°	2923.9	2885.3	2791.7	2488.9	2199.7	2161.2	2095.1	2070.3	2100.6	2197.0	2420.0
17.5°	2890.8	2846.8	2731.2	2337.4	2111.6	2084.1	2037.3	2086.8	2257.5	2386.9	2461.3
20°	2846.8	2794.5	2662.3	2227.2	2048.3	2023.5	2001.5	2224.5	2353.9	2400.7	2442.1
22.5°	2794.5	2739.4	2568.7	2150.2	1982.2	1962.9	1976.7	2301.6	2353.9	2386.9	2422.7
25°	2725.6	2678.8	2458.6	2089.6	1929.9	1907.9	1960.2	2293.3	2323.6	2331.9	2403.4
27.5°	2662.3	2601.8	2342.9	2034.5	1866.6	1858.3	1974.0	2257.5	2279.6	2287.8	2364.9
30°	2585.2	2494.4	2213.5	1976.7	1800.5	1797.8	1976.7	2213.5	2208.0	2230.0	2307.1
32.5°	2505.4	2334.6	2067.6	1905.1	1737.2	1734.4	1957.4	2147.4	2141.9	2172.2	2230.0
35°	2431.1	2210.7	1869.3	1822.5	1657.4	1660.1	1910.6	2070.3	2073.1	2100.6	2136.4
37.5°	2353.9	2103.4	1651.9	1731.7	1580.3	1580.3	1847.3	1998.7	1993.2	2001.5	2051.0
40°	2263.0	1935.4	1459.1	1613.3	1508.7	1500.4	1770.2	1921.7	1902.4	1899.6	1968.5
42.5°	2166.7	1751.0	1316.0	1456.4	1426.1	1415.1	1676.6	1828.0	1792.3	1800.5	1888.6
45°	2062.1	1701.4	1205.9	1230.6	1340.8	1332.5	1574.8	1720.7	1695.9	1717.9	1808.8
47.5°	1957.4	1602.3	1170.1	1021.4	1249.9	1247.1	1461.9	1616.1	1602.3	1624.3	1720.7
50°	1814.3	1492.2	1167.3	875.5	1148.0	1159.0	1327.0	1514.2	1514.2	1533.5	1635.3
52.5°	1629.8	1357.3	1059.9	792.9	1029.7	1062.7	1208.6	1426.1	1431.6	1450.9	1541.7
55°	1461.9	1216.9	982.9	729.6	889.2	960.8	1093.0	1335.2	1346.3	1365.5	1448.1
57.5°	1307.7	1013.1	966.3	655.2	759.9	828.7	991.1	1247.1	1252.7	1269.2	1349.0
60°	1142.5	732.3	886.5	575.4	647.0	699.3	897.5	1142.5	1161.8	1172.8	1241.6
62.5°	955.3	531.3	803.9	520.3	591.9	602.9	820.4	1043.4	1068.2	1076.5	1117.8
65°	680.0	446.0	682.8	473.5	534.1	536.9	737.8	941.6	963.6	977.3	1007.6
67.5°	459.8	363.4	520.3	429.5	490.0	492.8	658.0	823.2	853.5	864.5	883.7
70°	319.4	242.3	385.4	382.7	440.5	446.0	572.6	715.8	743.3	751.6	762.6
72.5°	234.0	195.5	319.4	344.1	388.2	393.7	484.5	594.7	622.2	630.5	636.0
75°	179.0	206.5	258.8	300.1	330.4	333.1	396.4	484.5	503.8	509.3	512.1
77.5°	143.2	192.7	190.0	242.3	269.8	264.3	311.1	374.4	390.9	390.9	390.9
80°	107.4	151.4	143.2	173.4	198.2	192.7	223.0	267.0	272.6	278.1	275.3
82.5°	79.8	96.4	96.4	110.1	132.1	126.6	148.7	173.4	173.4	173.4	179.0
85°	49.6	55.1	44.0	57.8	74.3	71.6	82.6	93.6	96.4	96.4	90.9
87.5°	30.3	24.8	13.8	22.0	33.0	33.0	38.5	41.3	38.5	38.5	38.5
90°	14.8	10.2	5.7	10.2	14.8	15.9	25.0	37.1	43.1	38.4	28.7
92.5°	99.8	61.2	22.7	61.2	99.8	109.5	153.9	213.2	242.8	212.8	152.8
95°	195.7	125.1	54.5	125.1	195.7	213.4	378.8	599.5	709.8	633.4	480.6
97.5°	218.8	156.5	94.2	156.5	218.8	234.4	510.3	878.2	1062.2	1014.0	917.3
100°	237.8	181.3	124.8	181.3	237.8	251.9	558.1	966.4	1170.6	1174.1	1181.2
102.5°	256.3	203.6	151.0	203.6	256.3	269.5	580.1	994.2	1201.3	1262.7	1385.8
105°	284.4	239.8	195.2	239.8	284.4	295.6	596.3	997.4	1197.9	1335.8	1611.7
107.5°	323.9	282.2	240.6	282.2	323.9	334.2	599.4	953.0	1129.8	1322.2	1707.1
110°	346.4	308.8	271.3	308.8	346.4	355.8	594.8	913.7	1073.1	1288.2	1718.4



TEST NUMBER: P934356

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	372.9	337.1	301.3	337.1	372.9	381.9	595.0	879.2	1021.4	1241.5	1681.9
115°	412.8	379.7	346.7	379.7	412.8	421.0	600.5	839.9	959.5	1171.6	1595.8
117.5°	451.5	421.5	391.5	421.5	451.5	459.0	611.6	815.2	917.0	1108.4	1491.2
120°	474.1	445.9	417.6	445.9	474.1	481.1	620.7	806.9	900.0	1074.9	1424.6
122.5°	500.1	471.7	443.2	471.7	500.1	507.3	633.9	802.5	886.9	1044.3	1359.4
125°	534.3	508.3	482.3	508.3	534.3	540.8	651.5	798.9	872.7	1006.5	1274.0
127.5°	566.6	540.3	514.1	540.3	566.6	573.1	669.0	796.8	860.8	975.7	1205.4
130°	587.6	559.4	531.2	559.4	587.6	594.7	681.8	798.1	856.3	958.5	1163.1
132.5°	605.2	577.0	548.7	577.0	605.2	612.3	692.3	798.9	852.3	943.8	1126.9
135°	626.2	600.5	574.8	600.5	626.2	632.7	703.6	798.2	845.5	922.2	1075.5
137.5°	652.5	627.0	601.5	627.0	652.5	658.8	720.7	803.2	844.4	909.2	1038.8
140°	670.5	647.1	623.6	647.1	670.5	676.3	731.0	803.9	840.3	896.3	1008.4
142.5°	684.0	662.3	640.6	662.3	684.0	689.5	739.8	806.8	840.3	889.5	987.9
145°	704.5	685.6	666.7	685.6	704.5	709.3	751.1	806.8	834.7	874.9	955.4
147.5°	729.7	711.2	692.9	711.2	729.7	734.2	767.7	812.4	834.7	866.4	929.7
150°	743.1	726.4	709.8	726.4	743.1	747.3	776.5	815.3	834.7	861.4	914.9
152.5°	752.7	740.0	727.5	740.0	752.7	755.8	782.2	817.2	834.7	857.6	903.2
155°	772.2	762.9	753.5	762.9	772.2	774.5	794.6	821.3	834.7	852.9	889.2
157.5°	791.0	782.0	772.9	782.0	791.0	793.3	807.1	825.6	834.7	848.9	877.0
160°	800.0	793.0	785.9	793.0	800.0	801.8	812.8	827.4	834.7	846.8	871.0
162.5°	809.6	804.3	798.9	804.3	809.6	810.9	818.9	829.4	834.7	844.9	865.3
165°	822.7	817.9	813.2	817.9	822.7	823.9	827.5	832.3	834.7	842.1	856.7
167.5°	830.7	828.4	826.2	828.4	830.7	831.2	834.3	838.3	840.3	845.1	854.7
170°	839.2	836.9	834.7	836.9	839.2	839.8	840.0	840.2	840.3	845.1	854.7
172.5°	840.2	839.7	839.2	839.7	840.2	840.3	840.3	840.3	840.3	844.1	851.7
175°	845.5	845.5	845.5	845.5	845.5	845.5	843.7	841.4	840.3	842.7	847.6
177.5°	845.5	845.5	845.5	845.5	845.5	845.5	844.2	842.4	841.5	843.5	847.2
180°	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5



TEST NUMBER: P934356

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2808.2	2800.0	2811.0	2780.7	2811.0	2800.0	2808.2	2827.5	2811.0	2822.0	2833.0
5°	2464.1	2450.3	2406.2	2370.4	2406.2	2450.3	2464.1	2521.9	2549.4	2599.0	2665.1
7.5°	2202.5	2191.5	2180.4	2158.4	2180.4	2191.5	2202.5	2219.0	2246.5	2290.6	2340.1
10°	2144.7	2147.4	2163.9	2161.2	2163.9	2147.4	2144.7	2139.1	2130.9	2139.1	2169.4
12.5°	2293.3	2318.1	2408.9	2403.4	2408.9	2318.1	2293.3	2183.2	2108.9	2095.1	2100.6
15°	2464.1	2472.4	2491.6	2494.4	2491.6	2472.4	2464.1	2420.0	2197.0	2100.6	2070.3
17.5°	2480.6	2483.4	2497.1	2497.1	2497.1	2483.4	2480.6	2461.3	2386.9	2257.5	2086.8
20°	2466.9	2472.4	2499.9	2505.4	2499.9	2472.4	2466.9	2442.1	2400.7	2353.9	2224.5
22.5°	2461.3	2472.4	2494.4	2491.6	2494.4	2472.4	2461.3	2422.7	2386.9	2353.9	2301.6
25°	2433.8	2433.8	2436.6	2439.3	2436.6	2433.8	2433.8	2403.4	2331.9	2323.6	2293.3
27.5°	2375.9	2381.4	2397.9	2395.2	2397.9	2381.4	2375.9	2364.9	2287.8	2279.6	2257.5
30°	2323.6	2318.1	2304.3	2293.3	2304.3	2318.1	2323.6	2307.1	2230.0	2208.0	2213.5
32.5°	2235.5	2221.7	2208.0	2199.7	2208.0	2221.7	2235.5	2230.0	2172.2	2141.9	2147.4
35°	2130.9	2133.6	2130.9	2122.6	2130.9	2133.6	2130.9	2136.4	2100.6	2073.1	2070.3
37.5°	2056.6	2062.1	2059.3	2048.3	2059.3	2062.1	2056.6	2051.0	2001.5	1993.2	1998.7
40°	1979.5	1982.2	1979.5	1971.2	1979.5	1982.2	1979.5	1968.5	1899.6	1902.4	1921.7
42.5°	1905.1	1902.4	1894.1	1888.6	1894.1	1902.4	1905.1	1888.6	1800.5	1792.3	1828.0
45°	1819.8	1822.5	1806.0	1797.8	1806.0	1822.5	1819.8	1808.8	1717.9	1695.9	1720.7
47.5°	1734.4	1734.4	1720.7	1712.4	1720.7	1734.4	1734.4	1720.7	1624.3	1602.3	1616.1
50°	1643.6	1640.8	1621.6	1618.8	1621.6	1640.8	1643.6	1635.3	1533.5	1514.2	1514.2
52.5°	1539.0	1539.0	1541.7	1547.2	1541.7	1539.0	1539.0	1541.7	1450.9	1431.6	1426.1
55°	1448.1	1450.9	1470.1	1475.7	1470.1	1450.9	1448.1	1448.1	1365.5	1346.3	1335.2
57.5°	1354.5	1354.5	1368.3	1368.3	1368.3	1354.5	1354.5	1349.0	1269.2	1252.7	1247.1
60°	1247.1	1252.7	1263.7	1260.9	1263.7	1252.7	1247.1	1241.6	1172.8	1161.8	1142.5
62.5°	1134.3	1139.8	1142.5	1137.0	1142.5	1139.8	1134.3	1117.8	1076.5	1068.2	1043.4
65°	1015.9	1021.4	1024.1	1018.6	1024.1	1021.4	1015.9	1007.6	977.3	963.6	941.6
67.5°	894.8	892.0	889.2	900.3	889.2	892.0	894.8	883.7	864.5	853.5	823.2
70°	770.9	770.9	768.1	773.6	768.1	770.9	770.9	762.6	751.6	743.3	715.8
72.5°	638.7	636.0	647.0	638.7	647.0	636.0	638.7	636.0	630.5	622.2	594.7
75°	509.3	514.8	509.3	517.6	509.3	514.8	509.3	512.1	509.3	503.8	484.5
77.5°	388.2	393.7	388.2	388.2	388.2	393.7	388.2	390.9	390.9	390.9	374.4
80°	275.3	272.6	272.6	269.8	272.6	272.6	275.3	275.3	278.1	272.6	267.0
82.5°	176.2	173.4	173.4	179.0	173.4	173.4	176.2	179.0	173.4	173.4	173.4
85°	96.4	99.1	93.6	93.6	93.6	99.1	96.4	90.9	96.4	96.4	93.6
87.5°	35.8	33.0	33.0	33.0	33.0	33.0	35.8	38.5	38.5	38.5	41.3
90°	21.6	21.6	21.6	21.6	21.6	21.6	21.6	28.7	38.4	43.1	37.1
92.5°	107.8	103.5	86.4	69.2	86.4	103.5	107.8	152.8	212.8	242.8	213.2
95°	366.0	352.9	301.0	249.1	301.0	352.9	366.0	480.6	633.4	709.8	599.5
97.5°	844.9	820.2	721.3	622.5	721.3	820.2	844.9	917.3	1014.0	1062.2	878.2
100°	1186.5	1157.0	1039.3	921.5	1039.3	1157.0	1186.5	1181.2	1174.1	1170.6	966.4
102.5°	1478.1	1452.9	1352.0	1251.2	1352.0	1452.9	1478.1	1385.8	1262.7	1201.3	994.2
105°	1818.6	1805.0	1750.9	1696.6	1750.9	1805.0	1818.6	1611.7	1335.8	1197.9	997.4
107.5°	1995.7	1999.0	2012.0	2025.2	2012.0	1999.0	1995.7	1707.1	1322.2	1129.8	953.0
110°	2041.0	2055.2	2111.6	2168.1	2111.6	2055.2	2041.0	1718.4	1288.2	1073.1	913.7



TEST NUMBER: P934356

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2012.1	2033.8	2120.6	2207.3	2120.6	2033.8	2012.1	1681.9	1241.5	1021.4	879.2
115°	1913.9	1944.0	2064.4	2184.7	2064.4	1944.0	1913.9	1595.8	1171.6	959.5	839.9
117.5°	1778.3	1811.6	1945.1	2078.5	1945.1	1811.6	1778.3	1491.2	1108.4	917.0	815.2
120°	1687.0	1719.4	1849.1	1978.6	1849.1	1719.4	1687.0	1424.6	1074.9	900.0	806.9
122.5°	1595.6	1627.5	1755.5	1883.3	1755.5	1627.5	1595.6	1359.4	1044.3	886.9	802.5
125°	1474.7	1504.2	1621.9	1739.8	1621.9	1504.2	1474.7	1274.0	1006.5	872.7	798.9
127.5°	1377.7	1402.6	1501.9	1601.3	1501.9	1402.6	1377.7	1205.4	975.7	860.8	796.8
130°	1316.4	1339.4	1431.2	1523.0	1431.2	1339.4	1316.4	1163.1	958.5	856.3	798.1
132.5°	1264.2	1284.8	1367.0	1449.2	1367.0	1284.8	1264.2	1126.9	943.8	852.3	798.9
135°	1190.5	1208.2	1279.1	1349.9	1279.1	1208.2	1190.5	1075.5	922.2	845.5	798.2
137.5°	1136.0	1150.5	1208.5	1266.5	1208.5	1150.5	1136.0	1038.8	909.2	844.4	803.2
140°	1092.3	1105.9	1160.1	1214.3	1160.1	1105.9	1092.3	1008.4	896.3	840.3	803.9
142.5°	1061.7	1073.3	1120.0	1166.7	1120.0	1073.3	1061.7	987.9	889.5	840.3	806.8
145°	1015.7	1024.5	1059.8	1095.2	1059.8	1024.5	1015.7	955.4	874.9	834.7	806.8
147.5°	977.2	984.5	1013.7	1043.0	1013.7	984.5	977.2	929.7	866.4	834.7	812.4
150°	955.0	960.9	984.6	1008.4	984.6	960.9	955.0	914.9	861.4	834.7	815.3
152.5°	937.4	941.9	959.8	977.7	959.8	941.9	937.4	903.2	857.6	834.7	817.2
155°	916.4	919.3	931.3	943.1	931.3	919.3	916.4	889.2	852.9	834.7	821.3
157.5°	898.2	900.4	908.6	917.0	908.6	900.4	898.2	877.0	848.9	834.7	825.6
160°	889.2	890.3	895.2	900.0	895.2	890.3	889.2	871.0	846.8	834.7	827.4
162.5°	880.6	881.7	886.3	890.9	886.3	881.7	880.6	865.3	844.9	834.7	829.4
165°	867.6	868.8	873.6	878.4	873.6	868.8	867.6	856.7	842.1	834.7	832.3
167.5°	861.9	862.4	864.5	866.5	864.5	862.4	861.9	854.7	845.1	840.3	838.3
170°	861.9	861.9	861.9	861.9	861.9	861.9	861.9	854.7	845.1	840.3	840.2
172.5°	857.4	856.9	855.2	853.5	855.2	856.9	857.4	851.7	844.1	840.3	840.3
175°	851.2	851.2	851.2	851.2	851.2	851.2	851.2	847.6	842.7	840.3	841.4
177.5°	850.1	849.5	847.5	845.5	847.5	849.5	850.1	847.2	843.5	841.5	842.4
180°	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5



TEST NUMBER: P934356

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2910.1	2910.1	2910.1	2910.1	2910.1
2.5°	2874.3	2888.1	2896.3	2907.3	2934.9
5°	2764.2	2816.5	2833.0	2874.3	2923.9
7.5°	2521.9	2681.6	2725.6	2824.8	2901.8
10°	2287.8	2447.6	2524.7	2758.7	2874.3
12.5°	2169.4	2263.0	2315.3	2643.1	2835.8
15°	2095.1	2161.2	2199.7	2488.9	2791.7
17.5°	2037.3	2084.1	2111.6	2337.4	2731.2
20°	2001.5	2023.5	2048.3	2227.2	2662.3
22.5°	1976.7	1962.9	1982.2	2150.2	2568.7
25°	1960.2	1907.9	1929.9	2089.6	2458.6
27.5°	1974.0	1858.3	1866.6	2034.5	2342.9
30°	1976.7	1797.8	1800.5	1976.7	2213.5
32.5°	1957.4	1734.4	1737.2	1905.1	2067.6
35°	1910.6	1660.1	1657.4	1822.5	1869.3
37.5°	1847.3	1580.3	1580.3	1731.7	1651.9
40°	1770.2	1500.4	1508.7	1613.3	1459.1
42.5°	1676.6	1415.1	1426.1	1456.4	1316.0
45°	1574.8	1332.5	1340.8	1230.6	1205.9
47.5°	1461.9	1247.1	1249.9	1021.4	1170.1
50°	1327.0	1159.0	1148.0	875.5	1167.3
52.5°	1208.6	1062.7	1029.7	792.9	1059.9
55°	1093.0	960.8	889.2	729.6	982.9
57.5°	991.1	828.7	759.9	655.2	966.3
60°	897.5	699.3	647.0	575.4	886.5
62.5°	820.4	602.9	591.9	520.3	803.9
65°	737.8	536.9	534.1	473.5	682.8
67.5°	658.0	492.8	490.0	429.5	520.3
70°	572.6	446.0	440.5	382.7	385.4
72.5°	484.5	393.7	388.2	344.1	319.4
75°	396.4	333.1	330.4	300.1	258.8
77.5°	311.1	264.3	269.8	242.3	190.0
80°	223.0	192.7	198.2	173.4	143.2
82.5°	148.7	126.6	132.1	110.1	96.4
85°	82.6	71.6	74.3	57.8	44.0
87.5°	38.5	33.0	33.0	22.0	13.8
90°	25.0	15.9	14.8	10.2	5.7
92.5°	153.9	109.5	99.8	61.2	22.7
95°	378.8	213.4	195.7	125.1	54.5
97.5°	510.3	234.4	218.8	156.5	94.2
100°	558.1	251.9	237.8	181.3	124.8
102.5°	580.1	269.5	256.3	203.6	151.0
105°	596.3	295.6	284.4	239.8	195.2
107.5°	599.4	334.2	323.9	282.2	240.6
110°	594.8	355.8	346.4	308.8	271.3



TEST NUMBER: P934356

CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	595.0	381.9	372.9	337.1	301.3
115°	600.5	421.0	412.8	379.7	346.7
117.5°	611.6	459.0	451.5	421.5	391.5
120°	620.7	481.1	474.1	445.9	417.6
122.5°	633.9	507.3	500.1	471.7	443.2
125°	651.5	540.8	534.3	508.3	482.3
127.5°	669.0	573.1	566.6	540.3	514.1
130°	681.8	594.7	587.6	559.4	531.2
132.5°	692.3	612.3	605.2	577.0	548.7
135°	703.6	632.7	626.2	600.5	574.8
137.5°	720.7	658.8	652.5	627.0	601.5
140°	731.0	676.3	670.5	647.1	623.6
142.5°	739.8	689.5	684.0	662.3	640.6
145°	751.1	709.3	704.5	685.6	666.7
147.5°	767.7	734.2	729.7	711.2	692.9
150°	776.5	747.3	743.1	726.4	709.8
152.5°	782.2	755.8	752.7	740.0	727.5
155°	794.6	774.5	772.2	762.9	753.5
157.5°	807.1	793.3	791.0	782.0	772.9
160°	812.8	801.8	800.0	793.0	785.9
162.5°	818.9	810.9	809.6	804.3	798.9
165°	827.5	823.9	822.7	817.9	813.2
167.5°	834.3	831.2	830.7	828.4	826.2
170°	840.0	839.8	839.2	836.9	834.7
172.5°	840.3	840.3	840.2	839.7	839.2
175°	843.7	845.5	845.5	845.5	845.5
177.5°	844.2	845.5	845.5	845.5	845.5
180°	845.5	845.5	845.5	845.5	845.5



TEST NUMBER: P934356
 CATALOG NUMBER: SQ4-FA-050U-075D-93050-1D-UNV-STD-W-12-5000K

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	13.15	14.09	14.03	14.99	16.15	16.00	16.94	16.89	17.84	19.00
	3H	13.63	14.47	14.53	15.39	16.57	17.36	18.20	18.26	19.11	20.29
	4H	13.83	14.62	14.74	15.54	16.73	17.81	18.60	18.72	19.53	20.71
	6H	13.95	14.68	14.87	15.61	16.81	18.10	18.84	19.03	19.76	20.96
	8H	13.95	14.65	14.88	15.59	16.79	18.18	18.88	19.12	19.83	21.03
	12H	13.93	14.59	14.86	15.53	16.75	18.23	18.89	19.17	19.83	21.06
4H	2H	14.19	14.99	15.11	15.91	17.10	16.42	17.21	17.34	18.13	19.32
	3H	15.23	15.89	16.16	16.84	18.05	17.94	18.60	18.87	19.55	20.75
	4H	15.51	16.11	16.45	17.06	18.29	18.47	19.08	19.41	20.02	21.25
	6H	15.64	16.16	16.59	17.13	18.36	18.85	19.37	19.80	20.34	21.57
	8H	15.65	16.13	16.60	17.10	18.34	18.96	19.45	19.91	20.41	21.65
	12H	15.62	16.05	16.59	17.04	18.28	19.02	19.46	20.00	20.44	21.69
8H	4H	15.97	16.46	16.93	17.42	18.66	18.60	19.09	19.56	20.05	21.30
	6H	16.24	16.64	17.22	17.65	18.89	19.05	19.45	20.03	20.46	21.70
	8H	16.28	16.64	17.27	17.63	18.89	19.20	19.56	20.19	20.55	21.81
	12H	16.27	16.58	17.26	17.57	18.87	19.31	19.62	20.30	20.61	21.92
12H	4H	15.98	16.42	16.96	17.40	18.65	18.57	19.01	19.55	19.99	21.24
	6H	16.30	16.65	17.29	17.65	18.91	19.04	19.40	20.04	20.40	21.65
	8H	16.37	16.68	17.36	17.67	18.98	19.21	19.53	20.21	20.51	21.82