

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: P934492

Luminaire Tested: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934492
REPORT IS A COMBINATION OF REPORTS P933700 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

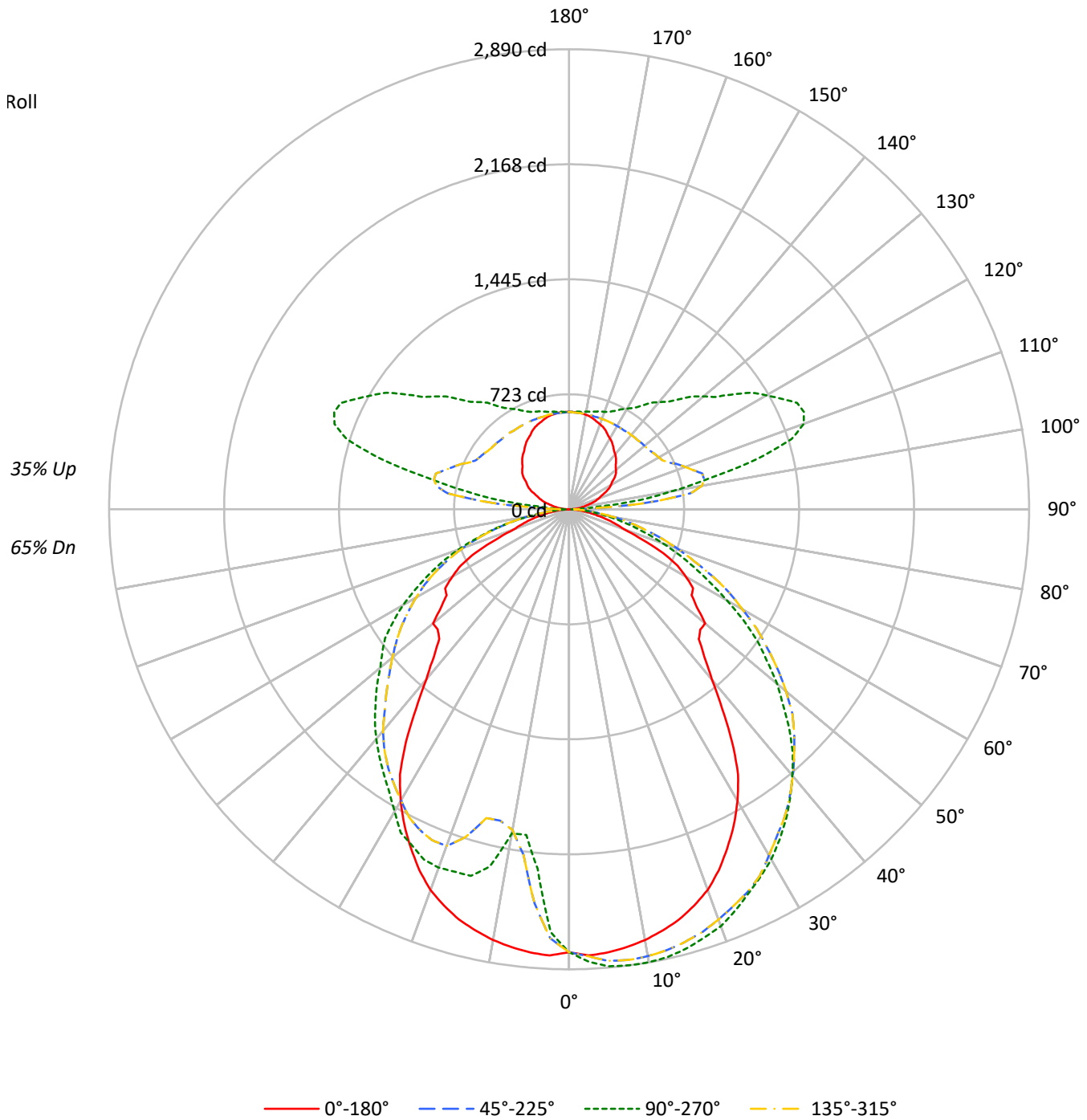
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11181.1 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 90.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P934492
CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P934492

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

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
RCR																				
0	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	65		
1	101	97	93	89	95	91	88	84	80	78	75	71	69	67	62	60	59	55		
2	92	85	78	73	86	80	74	69	70	66	63	62	59	56	54	52	50	46		
3	84	74	67	61	79	70	63	58	62	57	53	55	51	47	48	45	42	39		
4	77	66	58	52	72	62	55	49	55	49	45	49	44	41	43	39	36	33		
5	71	59	50	44	66	56	48	42	49	43	39	44	39	35	39	35	32	29		
6	65	53	44	38	61	50	42	37	45	38	34	40	35	31	35	31	28	25		
7	60	48	39	34	56	45	38	32	40	34	30	36	31	27	32	28	25	22		
8	56	43	35	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20		
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	18		
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	25	21	18	16		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12907	12907	12907	12907
5°	13004	13029	13004	10245
10°	12916	12834	12916	9175
15°	12776	12556	12776	10485
20°	12509	12227	12509	10507
25°	11962	11746	11962	10284
30°	11255	11348	11255	9795
35°	10034	10843	10034	9258
40°	8361	10249	8361	8852
45°	7471	9554	7471	8385
50°	7936	8725	7936	7917
55°	7467	7831	7467	7646
60°	7697	6651	7697	7003
65°	6978	5498	6978	6146
70°	4832	4382	4832	5151
75°	4237	3239	4237	3879
80°	3416	2141	3416	2332
85°	1961	1134	1961	963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11450 cd/sqm



TEST NUMBER: P934492

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.1	2.2
10°-20°	713.0	6.4
20°-30°	1102.2	9.9
30°-40°	1315.7	11.8
40°-50°	1323.5	11.8
50°-60°	1151.6	10.3
60°-70°	816.5	7.3
70°-80°	432.0	3.9
80°-90°	109.9	1.0
90°-100°	298.2	2.7
100°-110°	784.0	7.0
110°-120°	812.9	7.3
120°-130°	652.0	5.8
130°-140°	511.6	4.6
140°-150°	392.7	3.5
150°-160°	282.8	2.5
160°-170°	173.0	1.5
170°-180°	58.5	0.5
0°-30°	2066.3	18.5
0°-40°	3382.0	30.2
0°-60°	5857.0	52.4
0°-90°	7215.4	64.5
90°-120°	1895.1	16.9
90°-150°	3451.4	30.9
90°-180°	3966.0	35.5
0°-180°	11181.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2782	2782	2782	2782	2782	
5°	2795	2882	2795	2266	2795	265
15°	2669	2856	2669	2384	2669	751
25°	2350	2664	2350	2332	2350	1079
35°	1787	2377	1787	2029	1787	1106
45°	1153	1958	1153	1719	1153	923
55°	940	1445	940	1411	940	863
65°	653	871	653	974	653	624
75°	247	413	247	495	247	260
85°	42	105	42	89	42	57
90°	4	16	4	16	4	5
95°	39	180	39	180	39	44
105°	141	1228	141	1228	141	150
115°	251	1581	251	1581	251	248
125°	349	1259	349	1259	349	310
135°	416	977	416	977	416	322
145°	482	792	482	792	482	302
155°	545	682	545	682	545	251
165°	588	636	588	636	588	166
175°	612	616	612	616	612	58
180°	612	612	612	612	612	



TEST NUMBER: P934492

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2805.6	2805.6	2821.4	2826.6	2826.6	2818.8	2810.9	2818.8	2842.5	2850.4	2847.8
5°	2795.1	2816.1	2845.1	2850.4	2855.6	2852.9	2847.8	2852.9	2879.3	2884.6	2887.2
7.5°	2774.1	2813.5	2850.4	2858.2	2866.2	2858.2	2855.6	2860.9	2887.2	2892.5	2892.5
10°	2747.7	2802.9	2845.1	2850.4	2858.2	2850.4	2850.4	2860.9	2887.2	2892.5	2895.1
12.5°	2710.8	2787.2	2826.6	2831.9	2842.5	2839.8	2837.2	2847.8	2874.1	2879.3	2879.3
15°	2668.8	2758.2	2795.1	2800.4	2818.8	2813.5	2813.5	2824.1	2852.9	2860.9	2858.2
17.5°	2610.8	2721.4	2763.5	2771.4	2784.5	2781.9	2784.5	2795.1	2821.4	2826.6	2829.3
20°	2545.1	2671.4	2721.4	2729.2	2742.5	2742.5	2742.5	2755.6	2781.9	2792.5	2792.5
22.5°	2455.5	2618.8	2671.4	2676.7	2692.4	2692.4	2697.7	2716.1	2739.8	2742.5	2742.5
25°	2350.3	2560.8	2605.5	2621.4	2637.2	2645.1	2652.9	2663.5	2671.4	2668.8	2671.4
27.5°	2239.7	2487.1	2545.1	2555.5	2576.7	2584.5	2595.1	2597.7	2600.4	2608.2	2602.9
30°	2116.0	2384.5	2471.4	2481.9	2516.1	2521.4	2510.8	2516.1	2529.2	2534.5	2539.8
32.5°	1976.6	2231.8	2395.1	2418.7	2450.3	2434.5	2431.8	2439.8	2460.8	2460.8	2466.1
35°	1787.0	2113.4	2324.0	2345.0	2368.7	2350.3	2360.8	2363.4	2376.7	2384.5	2381.8
37.5°	1579.2	2010.7	2250.3	2266.1	2284.5	2260.8	2276.6	2284.5	2295.0	2289.8	2289.8
40°	1394.9	1850.3	2163.4	2174.0	2189.7	2171.3	2187.1	2192.4	2197.7	2192.4	2189.7
42.5°	1258.0	1673.9	2071.3	2084.4	2074.0	2087.1	2092.4	2102.9	2095.0	2084.4	2084.4
45°	1152.8	1626.5	1971.3	1987.1	1971.3	1992.4	2000.3	2000.3	1976.6	1971.3	1968.7
47.5°	1118.6	1531.7	1871.3	1871.3	1863.4	1889.7	1902.9	1884.4	1860.7	1852.9	1852.9
50°	1115.9	1426.5	1734.4	1723.9	1760.7	1792.3	1779.2	1760.7	1742.3	1713.3	1713.3
52.5°	1013.3	1297.5	1558.0	1597.6	1655.5	1673.9	1652.9	1634.4	1602.9	1589.7	1579.2
55°	939.6	1163.3	1397.6	1476.5	1537.0	1560.7	1521.2	1502.9	1455.5	1447.6	1442.3
57.5°	923.8	968.5	1250.2	1350.2	1423.9	1421.2	1397.6	1363.3	1323.9	1315.9	1313.3
60°	847.5	700.1	1092.2	1210.6	1287.0	1279.1	1258.0	1226.5	1189.6	1184.3	1179.1
62.5°	768.5	508.0	913.2	1047.5	1155.4	1152.8	1134.3	1086.9	1060.6	1047.5	1036.9
65°	652.7	426.4	650.1	871.2	1026.5	1031.7	992.2	958.1	929.1	913.2	910.6
67.5°	497.4	347.4	439.5	726.4	902.8	897.5	847.5	831.7	794.8	786.9	771.1
70°	368.4	231.6	305.3	589.5	781.7	768.5	729.1	710.6	676.4	658.0	647.4
72.5°	305.3	186.8	223.7	458.0	658.0	642.2	608.0	586.9	558.0	542.1	531.7
75°	247.4	197.4	171.1	339.5	534.3	523.8	492.1	471.1	447.4	426.4	429.0
77.5°	181.6	184.3	136.9	250.0	423.7	408.0	389.5	363.2	352.7	331.7	331.7
80°	136.9	144.7	102.7	171.1	305.3	305.3	289.5	271.1	252.7	242.1	242.1
82.5°	92.1	92.1	76.3	107.9	208.0	200.0	189.5	184.3	173.7	168.4	168.4
85°	42.1	52.6	47.4	65.8	113.1	118.4	118.4	113.1	110.6	105.3	107.9
87.5°	13.1	23.7	29.0	36.9	57.9	60.6	63.1	63.1	63.1	65.8	65.8
90°	4.1	7.4	10.7	11.5	18.0	26.8	31.2	27.7	20.8	15.6	15.6
92.5°	16.4	44.3	72.3	79.3	111.5	154.3	175.7	154.0	110.6	78.0	74.9
95°	39.4	90.5	141.6	154.4	274.1	433.8	513.6	458.4	347.8	264.8	255.5
97.5°	68.1	113.1	158.3	169.5	369.2	635.4	768.6	733.7	663.7	611.3	593.4
100°	90.3	131.2	172.0	182.3	403.9	699.3	847.0	849.6	854.7	858.5	837.1
102.5°	109.3	147.4	185.5	195.0	419.7	719.4	869.2	913.7	1002.8	1069.5	1051.3
105°	141.2	173.5	205.9	213.9	431.6	721.7	866.7	966.5	1166.2	1315.9	1306.1
107.5°	174.1	204.2	234.3	241.8	433.7	689.5	817.4	956.7	1235.1	1444.0	1446.4
110°	196.2	223.4	250.7	257.5	430.5	661.0	776.4	932.1	1243.3	1476.8	1487.0



TEST NUMBER: P934492

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	218.0	243.9	269.8	276.3	430.6	636.2	739.0	898.3	1216.9	1455.9	1471.6
115°	250.9	274.8	298.7	304.7	434.6	607.8	694.3	847.8	1154.7	1384.8	1406.6
117.5°	283.3	305.0	326.7	332.2	442.6	589.8	663.4	802.0	1079.0	1286.7	1310.8
120°	302.2	322.6	343.1	348.2	449.2	583.9	651.2	777.7	1030.8	1220.6	1244.0
122.5°	320.6	341.2	361.8	367.0	458.6	580.7	641.7	755.7	983.6	1154.6	1177.7
125°	349.0	367.7	386.5	391.2	471.3	578.1	631.5	728.3	921.9	1067.1	1088.4
127.5°	372.0	390.9	409.9	414.6	484.1	576.6	622.8	706.0	872.2	996.9	1014.8
130°	384.3	404.7	425.2	430.3	493.3	577.5	619.5	693.5	841.5	952.5	969.1
132.5°	397.0	417.4	437.9	443.0	500.9	578.1	616.7	683.0	815.4	914.7	929.6
135°	415.9	434.6	453.1	457.8	509.1	577.5	611.7	667.2	778.2	861.3	874.2
137.5°	435.3	453.7	472.1	476.7	521.4	581.1	610.9	657.9	751.7	822.0	832.5
140°	451.2	468.2	485.2	489.4	529.0	581.7	608.1	648.6	729.6	790.3	800.1
142.5°	463.5	479.2	494.9	498.8	535.3	583.8	608.1	643.6	714.8	768.2	776.7
145°	482.5	496.1	509.9	513.2	543.5	583.9	604.0	633.1	691.3	734.9	741.3
147.5°	501.3	514.6	528.0	531.3	555.5	587.8	604.0	626.9	672.6	707.0	712.2
150°	513.6	525.7	537.7	540.7	561.8	589.9	604.0	623.3	662.0	691.0	695.3
152.5°	526.4	535.5	544.6	546.9	565.9	591.3	604.0	620.5	653.5	678.3	681.6
155°	545.2	552.0	558.8	560.4	575.0	594.3	604.0	617.1	643.3	663.0	665.2
157.5°	559.2	565.7	572.3	574.0	584.0	597.3	604.0	614.1	634.6	649.9	651.4
160°	568.6	573.8	578.9	580.2	588.1	598.7	604.0	612.7	630.2	643.3	644.2
162.5°	578.1	582.0	585.7	586.7	592.5	600.2	604.0	611.3	626.2	637.2	638.0
165°	588.3	591.8	595.2	596.1	598.7	602.2	604.0	609.3	619.8	627.8	628.7
167.5°	597.8	599.4	601.1	601.5	603.7	606.6	608.1	611.5	618.5	623.7	624.1
170°	604.0	605.6	607.3	607.7	607.8	608.0	608.1	611.5	618.5	623.7	623.7
172.5°	607.3	607.7	608.0	608.1	608.1	608.1	608.1	610.8	616.3	620.4	620.1
175°	611.7	611.7	611.7	611.7	610.5	608.9	608.1	609.8	613.2	615.8	615.8
177.5°	611.7	611.7	611.7	611.7	610.7	609.5	608.9	610.2	612.9	615.0	614.6
180°	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7



TEST NUMBER: P934492

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2852.9	2845.1	2852.9	2847.8	2850.4	2842.5	2818.8	2810.9	2818.8	2826.6	2826.6
5°	2887.2	2881.9	2887.2	2887.2	2884.6	2879.3	2852.9	2847.8	2852.9	2855.6	2850.4
7.5°	2897.8	2889.8	2897.8	2892.5	2892.5	2887.2	2860.9	2855.6	2858.2	2866.2	2858.2
10°	2897.8	2889.8	2897.8	2895.1	2892.5	2887.2	2860.9	2850.4	2850.4	2858.2	2850.4
12.5°	2884.6	2879.3	2884.6	2879.3	2879.3	2874.1	2847.8	2837.2	2839.8	2842.5	2831.9
15°	2863.5	2855.6	2863.5	2858.2	2860.9	2852.9	2824.1	2813.5	2813.5	2818.8	2800.4
17.5°	2831.9	2821.4	2831.9	2829.3	2826.6	2821.4	2795.1	2784.5	2781.9	2784.5	2771.4
20°	2795.1	2787.2	2795.1	2792.5	2792.5	2781.9	2755.6	2742.5	2742.5	2742.5	2729.2
22.5°	2737.2	2729.2	2737.2	2742.5	2742.5	2739.8	2716.1	2697.7	2692.4	2692.4	2676.7
25°	2671.4	2663.5	2671.4	2671.4	2668.8	2671.4	2663.5	2652.9	2645.1	2637.2	2621.4
27.5°	2608.2	2602.9	2608.2	2602.9	2608.2	2600.4	2597.7	2595.1	2584.5	2576.7	2555.5
30°	2545.1	2539.8	2545.1	2539.8	2534.5	2529.2	2516.1	2510.8	2521.4	2516.1	2481.9
32.5°	2466.1	2460.8	2466.1	2466.1	2460.8	2460.8	2439.8	2431.8	2434.5	2450.3	2418.7
35°	2384.5	2376.7	2384.5	2381.8	2384.5	2376.7	2363.4	2360.8	2350.3	2368.7	2345.0
37.5°	2289.8	2281.8	2289.8	2289.8	2289.8	2295.0	2284.5	2276.6	2260.8	2284.5	2266.1
40°	2192.4	2181.8	2192.4	2189.7	2192.4	2197.7	2192.4	2187.1	2171.3	2189.7	2174.0
42.5°	2081.8	2079.2	2081.8	2084.4	2084.4	2095.0	2102.9	2092.4	2087.1	2074.0	2084.4
45°	1963.4	1958.1	1963.4	1968.7	1971.3	1976.6	2000.3	2000.3	1992.4	1971.3	1987.1
47.5°	1837.0	1823.9	1837.0	1852.9	1852.9	1860.7	1884.4	1902.9	1889.7	1863.4	1871.3
50°	1702.9	1705.5	1702.9	1713.3	1713.3	1742.3	1760.7	1779.2	1792.3	1760.7	1723.9
52.5°	1571.3	1568.6	1571.3	1579.2	1589.7	1602.9	1634.4	1652.9	1673.9	1655.5	1597.6
55°	1439.6	1444.9	1439.6	1442.3	1447.6	1455.5	1502.9	1521.2	1560.7	1537.0	1476.5
57.5°	1308.0	1300.2	1308.0	1313.3	1315.9	1323.9	1363.3	1397.6	1421.2	1423.9	1350.2
60°	1155.4	1144.9	1155.4	1179.1	1184.3	1189.6	1226.5	1258.0	1279.1	1287.0	1210.6
62.5°	1021.2	1002.8	1021.2	1036.9	1047.5	1060.6	1086.9	1134.3	1152.8	1155.4	1047.5
65°	879.1	871.2	879.1	910.6	913.2	929.1	958.1	992.2	1031.7	1026.5	871.2
67.5°	750.1	750.1	750.1	771.1	786.9	794.8	831.7	847.5	897.5	902.8	726.4
70°	631.7	629.1	631.7	647.4	658.0	676.4	710.6	729.1	768.5	781.7	589.5
72.5°	518.5	515.8	518.5	531.7	542.1	558.0	586.9	608.0	642.2	658.0	458.0
75°	418.5	413.2	418.5	429.0	426.4	447.4	471.1	492.1	523.8	534.3	339.5
77.5°	321.1	321.1	321.1	331.7	331.7	352.7	363.2	389.5	408.0	423.7	250.0
80°	239.5	236.8	239.5	242.1	242.1	252.7	271.1	289.5	305.3	305.3	171.1
82.5°	168.4	163.1	168.4	168.4	168.4	173.7	184.3	189.5	200.0	208.0	107.9
85°	105.3	105.3	105.3	107.9	105.3	110.6	113.1	118.4	118.4	113.1	65.8
87.5°	68.4	65.8	68.4	65.8	65.8	63.1	63.1	63.1	60.6	57.9	36.9
90°	15.6	15.6	15.6	15.6	15.6	20.8	27.7	31.2	26.8	18.0	11.5
92.5°	62.4	50.1	62.4	74.9	78.0	110.6	154.0	175.7	154.3	111.5	79.3
95°	217.8	180.3	217.8	255.5	264.8	347.8	458.4	513.6	433.8	274.1	154.4
97.5°	521.9	450.4	521.9	593.4	611.3	663.7	733.7	768.6	635.4	369.2	169.5
100°	752.0	666.7	752.0	837.1	858.5	854.7	849.6	847.0	699.3	403.9	182.3
102.5°	978.3	905.3	978.3	1051.3	1069.5	1002.8	913.7	869.2	719.4	419.7	195.0
105°	1266.8	1227.6	1266.8	1306.1	1315.9	1166.2	966.5	866.7	721.7	431.6	213.9
107.5°	1455.9	1465.3	1455.9	1446.4	1444.0	1235.1	956.7	817.4	689.5	433.7	241.8
110°	1527.9	1568.8	1527.9	1487.0	1476.8	1243.3	932.1	776.4	661.0	430.5	257.5



TEST NUMBER: P934492

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1534.3	1597.1	1534.3	1471.6	1455.9	1216.9	898.3	739.0	636.2	430.6	276.3
115°	1493.6	1580.7	1493.6	1406.6	1384.8	1154.7	847.8	694.3	607.8	434.6	304.7
117.5°	1407.4	1504.0	1407.4	1310.8	1286.7	1079.0	802.0	663.4	589.8	442.6	332.2
120°	1337.8	1431.7	1337.8	1244.0	1220.6	1030.8	777.7	651.2	583.9	449.2	348.2
122.5°	1270.2	1362.7	1270.2	1177.7	1154.6	983.6	755.7	641.7	580.7	458.6	367.0
125°	1173.6	1258.8	1173.6	1088.4	1067.1	921.9	728.3	631.5	578.1	471.3	391.2
127.5°	1086.7	1158.6	1086.7	1014.8	996.9	872.2	706.0	622.8	576.6	484.1	414.6
130°	1035.5	1102.0	1035.5	969.1	952.5	841.5	693.5	619.5	577.5	493.3	430.3
132.5°	989.1	1048.6	989.1	929.6	914.7	815.4	683.0	616.7	578.1	500.9	443.0
135°	925.5	976.8	925.5	874.2	861.3	778.2	667.2	611.7	577.5	509.1	457.8
137.5°	874.5	916.4	874.5	832.5	822.0	751.7	657.9	610.9	581.1	521.4	476.7
140°	839.3	878.6	839.3	800.1	790.3	729.6	648.6	608.1	581.7	529.0	489.4
142.5°	810.3	844.1	810.3	776.7	768.2	714.8	643.6	608.1	583.8	535.3	498.8
145°	766.9	792.4	766.9	741.3	734.9	691.3	633.1	604.0	583.9	543.5	513.2
147.5°	733.5	754.7	733.5	712.2	707.0	672.6	626.9	604.0	587.8	555.5	531.3
150°	712.4	729.6	712.4	695.3	691.0	662.0	623.3	604.0	589.9	561.8	540.7
152.5°	694.5	707.5	694.5	681.6	678.3	653.5	620.5	604.0	591.3	565.9	546.9
155°	673.8	682.4	673.8	665.2	663.0	643.3	617.1	604.0	594.3	575.0	560.4
157.5°	657.5	663.4	657.5	651.4	649.9	634.6	614.1	604.0	597.3	584.0	574.0
160°	647.7	651.2	647.7	644.2	643.3	630.2	612.7	604.0	598.7	588.1	580.2
162.5°	641.3	644.6	641.3	638.0	637.2	626.2	611.3	604.0	600.2	592.5	586.7
165°	632.1	635.5	632.1	628.7	627.8	619.8	609.3	604.0	602.2	598.7	596.1
167.5°	625.5	627.0	625.5	624.1	623.7	618.5	611.5	608.1	606.6	603.7	601.5
170°	623.7	623.7	623.7	623.7	623.7	618.5	611.5	608.1	608.0	607.8	607.7
172.5°	618.8	617.5	618.8	620.1	620.4	616.3	610.8	608.1	608.1	608.1	608.1
175°	615.8	615.8	615.8	615.8	615.8	613.2	609.8	608.1	608.9	610.5	611.7
177.5°	613.2	611.7	613.2	614.6	615.0	612.9	610.2	608.9	609.5	610.7	611.7
180°	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7



TEST NUMBER: P934492

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2821.4	2805.6	2805.6	2779.3	2768.8	2760.9	2747.7	2708.2	2697.7	2687.2	2702.9
5°	2845.1	2816.1	2795.1	2747.7	2708.2	2692.4	2642.4	2547.7	2484.5	2437.1	2410.8
7.5°	2850.4	2813.5	2774.1	2700.4	2605.5	2563.5	2410.8	2237.1	2189.7	2147.7	2121.3
10°	2845.1	2802.9	2747.7	2637.2	2413.4	2339.8	2187.1	2074.0	2045.0	2037.1	2045.0
12.5°	2826.6	2787.2	2710.8	2526.7	2213.4	2163.4	2074.0	2008.1	2002.9	2016.0	2087.1
15°	2795.1	2758.2	2668.8	2379.2	2102.9	2066.0	2002.9	1979.2	2008.1	2100.3	2313.4
17.5°	2763.5	2721.4	2610.8	2234.5	2018.7	1992.4	1947.6	1995.0	2158.1	2281.8	2353.0
20°	2721.4	2671.4	2545.1	2129.2	1958.1	1934.4	1913.4	2126.6	2250.3	2295.0	2334.5
22.5°	2671.4	2618.8	2455.5	2055.5	1895.0	1876.6	1889.7	2200.3	2250.3	2281.8	2316.1
25°	2605.5	2560.8	2350.3	1997.6	1845.0	1823.9	1873.9	2192.4	2221.3	2229.2	2297.7
27.5°	2545.1	2487.1	2239.7	1945.0	1784.4	1776.6	1887.1	2158.1	2179.2	2187.1	2260.8
30°	2471.4	2384.5	2116.0	1889.7	1721.3	1718.6	1889.7	2116.0	2110.8	2131.8	2205.5
32.5°	2395.1	2231.8	1976.6	1821.3	1660.7	1658.1	1871.3	2052.9	2047.6	2076.6	2131.8
35°	2324.0	2113.4	1787.0	1742.3	1584.4	1587.0	1826.6	1979.2	1981.8	2008.1	2042.4
37.5°	2250.3	2010.7	1579.2	1655.5	1510.7	1510.7	1766.0	1910.7	1905.5	1913.4	1960.7
40°	2163.4	1850.3	1394.9	1542.3	1442.3	1434.3	1692.3	1837.0	1818.6	1816.0	1881.8
42.5°	2071.3	1673.9	1258.0	1392.3	1363.3	1352.8	1602.9	1747.6	1713.3	1721.3	1805.4
45°	1971.3	1626.5	1152.8	1176.5	1281.8	1273.9	1505.5	1644.9	1621.3	1642.3	1729.2
47.5°	1871.3	1531.7	1118.6	976.5	1194.9	1192.2	1397.6	1544.9	1531.7	1552.9	1644.9
50°	1734.4	1426.5	1115.9	836.9	1097.5	1108.0	1268.6	1447.6	1447.6	1466.0	1563.3
52.5°	1558.0	1297.5	1013.3	758.0	984.3	1015.9	1155.4	1363.3	1368.6	1387.0	1473.9
55°	1397.6	1163.3	939.6	697.5	850.1	918.5	1044.9	1276.5	1287.0	1305.5	1384.3
57.5°	1250.2	968.5	923.8	626.4	726.4	792.2	947.5	1192.2	1197.5	1213.3	1289.6
60°	1092.2	700.1	847.5	550.1	618.5	668.5	858.0	1092.2	1110.6	1121.2	1187.0
62.5°	913.2	508.0	768.5	497.4	565.8	576.4	784.4	997.5	1021.2	1029.1	1068.5
65°	650.1	426.4	652.7	452.7	510.5	513.2	705.4	900.1	921.2	934.3	963.2
67.5°	439.5	347.4	497.4	410.6	468.5	471.1	629.1	786.9	815.9	826.4	844.8
70°	305.3	231.6	368.4	365.8	421.1	426.4	547.4	684.3	710.6	718.5	729.1
72.5°	223.7	186.8	305.3	329.0	371.1	376.4	463.2	568.5	594.8	602.7	608.0
75°	171.1	197.4	247.4	286.8	315.8	318.4	379.0	463.2	481.7	486.9	489.5
77.5°	136.9	184.3	181.6	231.6	258.0	252.7	297.4	358.0	373.7	373.7	373.7
80°	102.7	144.7	136.9	165.8	189.5	184.3	213.1	255.3	260.6	265.8	263.1
82.5°	76.3	92.1	92.1	105.3	126.3	121.1	142.1	165.8	165.8	165.8	171.1
85°	47.4	52.6	42.1	55.3	71.0	68.4	79.0	89.4	92.1	92.1	86.9
87.5°	29.0	23.7	13.1	21.0	31.6	31.6	36.9	39.4	36.9	36.9	36.9
90°	10.7	7.4	4.1	7.4	10.7	11.5	18.0	26.8	31.2	27.7	20.8
92.5°	72.3	44.3	16.4	44.3	72.3	79.3	111.5	154.3	175.7	154.0	110.6
95°	141.6	90.5	39.4	90.5	141.6	154.4	274.1	433.8	513.6	458.4	347.8
97.5°	158.3	113.1	68.1	113.1	158.3	169.5	369.2	635.4	768.6	733.7	663.7
100°	172.0	131.2	90.3	131.2	172.0	182.3	403.9	699.3	847.0	849.6	854.7
102.5°	185.5	147.4	109.3	147.4	185.5	195.0	419.7	719.4	869.2	913.7	1002.8
105°	205.9	173.5	141.2	173.5	205.9	213.9	431.6	721.7	866.7	966.5	1166.2
107.5°	234.3	204.2	174.1	204.2	234.3	241.8	433.7	689.5	817.4	956.7	1235.1
110°	250.7	223.4	196.2	223.4	250.7	257.5	430.5	661.0	776.4	932.1	1243.3



TEST NUMBER: P934492

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	269.8	243.9	218.0	243.9	269.8	276.3	430.6	636.2	739.0	898.3	1216.9
115°	298.7	274.8	250.9	274.8	298.7	304.7	434.6	607.8	694.3	847.8	1154.7
117.5°	326.7	305.0	283.3	305.0	326.7	332.2	442.6	589.8	663.4	802.0	1079.0
120°	343.1	322.6	302.2	322.6	343.1	348.2	449.2	583.9	651.2	777.7	1030.8
122.5°	361.8	341.2	320.6	341.2	361.8	367.0	458.6	580.7	641.7	755.7	983.6
125°	386.5	367.7	349.0	367.7	386.5	391.2	471.3	578.1	631.5	728.3	921.9
127.5°	409.9	390.9	372.0	390.9	409.9	414.6	484.1	576.6	622.8	706.0	872.2
130°	425.2	404.7	384.3	404.7	425.2	430.3	493.3	577.5	619.5	693.5	841.5
132.5°	437.9	417.4	397.0	417.4	437.9	443.0	500.9	578.1	616.7	683.0	815.4
135°	453.1	434.6	415.9	434.6	453.1	457.8	509.1	577.5	611.7	667.2	778.2
137.5°	472.1	453.7	435.3	453.7	472.1	476.7	521.4	581.1	610.9	657.9	751.7
140°	485.2	468.2	451.2	468.2	485.2	489.4	529.0	581.7	608.1	648.6	729.6
142.5°	494.9	479.2	463.5	479.2	494.9	498.8	535.3	583.8	608.1	643.6	714.8
145°	509.9	496.1	482.5	496.1	509.9	513.2	543.5	583.9	604.0	633.1	691.3
147.5°	528.0	514.6	501.3	514.6	528.0	531.3	555.5	587.8	604.0	626.9	672.6
150°	537.7	525.7	513.6	525.7	537.7	540.7	561.8	589.9	604.0	623.3	662.0
152.5°	544.6	535.5	526.4	535.5	544.6	546.9	565.9	591.3	604.0	620.5	653.5
155°	558.8	552.0	545.2	552.0	558.8	560.4	575.0	594.3	604.0	617.1	643.3
157.5°	572.3	565.7	559.2	565.7	572.3	574.0	584.0	597.3	604.0	614.1	634.6
160°	578.9	573.8	568.6	573.8	578.9	580.2	588.1	598.7	604.0	612.7	630.2
162.5°	585.7	582.0	578.1	582.0	585.7	586.7	592.5	600.2	604.0	611.3	626.2
165°	595.2	591.8	588.3	591.8	595.2	596.1	598.7	602.2	604.0	609.3	619.8
167.5°	601.1	599.4	597.8	599.4	601.1	601.5	603.7	606.6	608.1	611.5	618.5
170°	607.3	605.6	604.0	605.6	607.3	607.7	607.8	608.0	608.1	611.5	618.5
172.5°	608.0	607.7	607.3	607.7	608.0	608.1	608.1	608.1	608.1	610.8	616.3
175°	611.7	611.7	611.7	611.7	611.7	611.7	610.5	608.9	608.1	609.8	613.2
177.5°	611.7	611.7	611.7	611.7	611.7	611.7	610.7	609.5	608.9	610.2	612.9
180°	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7



TEST NUMBER: P934492

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2684.5	2676.7	2687.2	2658.2	2687.2	2676.7	2684.5	2702.9	2687.2	2697.7	2708.2
5°	2355.5	2342.4	2300.3	2266.1	2300.3	2342.4	2355.5	2410.8	2437.1	2484.5	2547.7
7.5°	2105.5	2095.0	2084.4	2063.4	2084.4	2095.0	2105.5	2121.3	2147.7	2189.7	2237.1
10°	2050.3	2052.9	2068.7	2066.0	2068.7	2052.9	2050.3	2045.0	2037.1	2045.0	2074.0
12.5°	2192.4	2216.1	2303.0	2297.7	2303.0	2216.1	2192.4	2087.1	2016.0	2002.9	2008.1
15°	2355.5	2363.4	2381.8	2384.5	2381.8	2363.4	2355.5	2313.4	2100.3	2008.1	1979.2
17.5°	2371.4	2374.0	2387.1	2387.1	2387.1	2374.0	2371.4	2353.0	2281.8	2158.1	1995.0
20°	2358.2	2363.4	2389.8	2395.1	2389.8	2363.4	2358.2	2334.5	2295.0	2250.3	2126.6
22.5°	2353.0	2363.4	2384.5	2381.8	2384.5	2363.4	2353.0	2316.1	2281.8	2250.3	2200.3
25°	2326.6	2326.6	2329.2	2331.8	2329.2	2326.6	2326.6	2297.7	2229.2	2221.3	2192.4
27.5°	2271.4	2276.6	2292.4	2289.8	2292.4	2276.6	2271.4	2260.8	2187.1	2179.2	2158.1
30°	2221.3	2216.1	2202.9	2192.4	2202.9	2216.1	2221.3	2205.5	2131.8	2110.8	2116.0
32.5°	2137.1	2124.0	2110.8	2102.9	2110.8	2124.0	2137.1	2131.8	2076.6	2047.6	2052.9
35°	2037.1	2039.7	2037.1	2029.2	2037.1	2039.7	2037.1	2042.4	2008.1	1981.8	1979.2
37.5°	1966.0	1971.3	1968.7	1958.1	1968.7	1971.3	1966.0	1960.7	1913.4	1905.5	1910.7
40°	1892.3	1895.0	1892.3	1884.4	1892.3	1895.0	1892.3	1881.8	1816.0	1818.6	1837.0
42.5°	1821.3	1818.6	1810.7	1805.4	1810.7	1818.6	1821.3	1805.4	1721.3	1713.3	1747.6
45°	1739.7	1742.3	1726.6	1718.6	1726.6	1742.3	1739.7	1729.2	1642.3	1621.3	1644.9
47.5°	1658.1	1658.1	1644.9	1637.0	1644.9	1658.1	1658.1	1644.9	1552.9	1531.7	1544.9
50°	1571.3	1568.6	1550.2	1547.6	1550.2	1568.6	1571.3	1563.3	1466.0	1447.6	1447.6
52.5°	1471.2	1471.2	1473.9	1479.2	1473.9	1471.2	1471.2	1473.9	1387.0	1368.6	1363.3
55°	1384.3	1387.0	1405.5	1410.7	1405.5	1387.0	1384.3	1384.3	1305.5	1287.0	1276.5
57.5°	1294.9	1294.9	1308.0	1308.0	1308.0	1294.9	1294.9	1289.6	1213.3	1197.5	1192.2
60°	1192.2	1197.5	1208.0	1205.5	1208.0	1197.5	1192.2	1187.0	1121.2	1110.6	1092.2
62.5°	1084.3	1089.6	1092.2	1086.9	1092.2	1089.6	1084.3	1068.5	1029.1	1021.2	997.5
65°	971.2	976.5	979.1	973.8	979.1	976.5	971.2	963.2	934.3	921.2	900.1
67.5°	855.4	852.8	850.1	860.6	850.1	852.8	855.4	844.8	826.4	815.9	786.9
70°	736.9	736.9	734.3	739.5	734.3	736.9	736.9	729.1	718.5	710.6	684.3
72.5°	610.6	608.0	618.5	610.6	618.5	608.0	610.6	608.0	602.7	594.8	568.5
75°	486.9	492.1	486.9	494.8	486.9	492.1	486.9	489.5	486.9	481.7	463.2
77.5°	371.1	376.4	371.1	371.1	371.1	376.4	371.1	373.7	373.7	373.7	358.0
80°	263.1	260.6	260.6	258.0	260.6	260.6	263.1	263.1	265.8	260.6	255.3
82.5°	168.4	165.8	165.8	171.1	165.8	165.8	168.4	171.1	165.8	165.8	165.8
85°	92.1	94.7	89.4	89.4	89.4	94.7	92.1	86.9	92.1	92.1	89.4
87.5°	34.3	31.6	31.6	31.6	31.6	31.6	34.3	36.9	36.9	36.9	39.4
90°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	20.8	27.7	31.2	26.8
92.5°	78.0	74.9	62.4	50.1	62.4	74.9	78.0	110.6	154.0	175.7	154.3
95°	264.8	255.5	217.8	180.3	217.8	255.5	264.8	347.8	458.4	513.6	433.8
97.5°	611.3	593.4	521.9	450.4	521.9	593.4	611.3	663.7	733.7	768.6	635.4
100°	858.5	837.1	752.0	666.7	752.0	837.1	858.5	854.7	849.6	847.0	699.3
102.5°	1069.5	1051.3	978.3	905.3	978.3	1051.3	1069.5	1002.8	913.7	869.2	719.4
105°	1315.9	1306.1	1266.8	1227.6	1266.8	1306.1	1315.9	1166.2	966.5	866.7	721.7
107.5°	1444.0	1446.4	1455.9	1465.3	1455.9	1446.4	1444.0	1235.1	956.7	817.4	689.5
110°	1476.8	1487.0	1527.9	1568.8	1527.9	1487.0	1476.8	1243.3	932.1	776.4	661.0



TEST NUMBER: P934492

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1455.9	1471.6	1534.3	1597.1	1534.3	1471.6	1455.9	1216.9	898.3	739.0	636.2
115°	1384.8	1406.6	1493.6	1580.7	1493.6	1406.6	1384.8	1154.7	847.8	694.3	607.8
117.5°	1286.7	1310.8	1407.4	1504.0	1407.4	1310.8	1286.7	1079.0	802.0	663.4	589.8
120°	1220.6	1244.0	1337.8	1431.7	1337.8	1244.0	1220.6	1030.8	777.7	651.2	583.9
122.5°	1154.6	1177.7	1270.2	1362.7	1270.2	1177.7	1154.6	983.6	755.7	641.7	580.7
125°	1067.1	1088.4	1173.6	1258.8	1173.6	1088.4	1067.1	921.9	728.3	631.5	578.1
127.5°	996.9	1014.8	1086.7	1158.6	1086.7	1014.8	996.9	872.2	706.0	622.8	576.6
130°	952.5	969.1	1035.5	1102.0	1035.5	969.1	952.5	841.5	693.5	619.5	577.5
132.5°	914.7	929.6	989.1	1048.6	989.1	929.6	914.7	815.4	683.0	616.7	578.1
135°	861.3	874.2	925.5	976.8	925.5	874.2	861.3	778.2	667.2	611.7	577.5
137.5°	822.0	832.5	874.5	916.4	874.5	832.5	822.0	751.7	657.9	610.9	581.1
140°	790.3	800.1	839.3	878.6	839.3	800.1	790.3	729.6	648.6	608.1	581.7
142.5°	768.2	776.7	810.3	844.1	810.3	776.7	768.2	714.8	643.6	608.1	583.8
145°	734.9	741.3	766.9	792.4	766.9	741.3	734.9	691.3	633.1	604.0	583.9
147.5°	707.0	712.2	733.5	754.7	733.5	712.2	707.0	672.6	626.9	604.0	587.8
150°	691.0	695.3	712.4	729.6	712.4	695.3	691.0	662.0	623.3	604.0	589.9
152.5°	678.3	681.6	694.5	707.5	694.5	681.6	678.3	653.5	620.5	604.0	591.3
155°	663.0	665.2	673.8	682.4	673.8	665.2	663.0	643.3	617.1	604.0	594.3
157.5°	649.9	651.4	657.5	663.4	657.5	651.4	649.9	634.6	614.1	604.0	597.3
160°	643.3	644.2	647.7	651.2	647.7	644.2	643.3	630.2	612.7	604.0	598.7
162.5°	637.2	638.0	641.3	644.6	641.3	638.0	637.2	626.2	611.3	604.0	600.2
165°	627.8	628.7	632.1	635.5	632.1	628.7	627.8	619.8	609.3	604.0	602.2
167.5°	623.7	624.1	625.5	627.0	625.5	624.1	623.7	618.5	611.5	608.1	606.6
170°	623.7	623.7	623.7	623.7	623.7	623.7	623.7	618.5	611.5	608.1	608.0
172.5°	620.4	620.1	618.8	617.5	618.8	620.1	620.4	616.3	610.8	608.1	608.1
175°	615.8	615.8	615.8	615.8	615.8	615.8	615.8	613.2	609.8	608.1	608.9
177.5°	615.0	614.6	613.2	611.7	613.2	614.6	615.0	612.9	610.2	608.9	609.5
180°	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7



TEST NUMBER: P934492

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2781.9	2781.9	2781.9	2781.9	2781.9
2.5°	2747.7	2760.9	2768.8	2779.3	2805.6
5°	2642.4	2692.4	2708.2	2747.7	2795.1
7.5°	2410.8	2563.5	2605.5	2700.4	2774.1
10°	2187.1	2339.8	2413.4	2637.2	2747.7
12.5°	2074.0	2163.4	2213.4	2526.7	2710.8
15°	2002.9	2066.0	2102.9	2379.2	2668.8
17.5°	1947.6	1992.4	2018.7	2234.5	2610.8
20°	1913.4	1934.4	1958.1	2129.2	2545.1
22.5°	1889.7	1876.6	1895.0	2055.5	2455.5
25°	1873.9	1823.9	1845.0	1997.6	2350.3
27.5°	1887.1	1776.6	1784.4	1945.0	2239.7
30°	1889.7	1718.6	1721.3	1889.7	2116.0
32.5°	1871.3	1658.1	1660.7	1821.3	1976.6
35°	1826.6	1587.0	1584.4	1742.3	1787.0
37.5°	1766.0	1510.7	1510.7	1655.5	1579.2
40°	1692.3	1434.3	1442.3	1542.3	1394.9
42.5°	1602.9	1352.8	1363.3	1392.3	1258.0
45°	1505.5	1273.9	1281.8	1176.5	1152.8
47.5°	1397.6	1192.2	1194.9	976.5	1118.6
50°	1268.6	1108.0	1097.5	836.9	1115.9
52.5°	1155.4	1015.9	984.3	758.0	1013.3
55°	1044.9	918.5	850.1	697.5	939.6
57.5°	947.5	792.2	726.4	626.4	923.8
60°	858.0	668.5	618.5	550.1	847.5
62.5°	784.4	576.4	565.8	497.4	768.5
65°	705.4	513.2	510.5	452.7	652.7
67.5°	629.1	471.1	468.5	410.6	497.4
70°	547.4	426.4	421.1	365.8	368.4
72.5°	463.2	376.4	371.1	329.0	305.3
75°	379.0	318.4	315.8	286.8	247.4
77.5°	297.4	252.7	258.0	231.6	181.6
80°	213.1	184.3	189.5	165.8	136.9
82.5°	142.1	121.1	126.3	105.3	92.1
85°	79.0	68.4	71.0	55.3	42.1
87.5°	36.9	31.6	31.6	21.0	13.1
90°	18.0	11.5	10.7	7.4	4.1
92.5°	111.5	79.3	72.3	44.3	16.4
95°	274.1	154.4	141.6	90.5	39.4
97.5°	369.2	169.5	158.3	113.1	68.1
100°	403.9	182.3	172.0	131.2	90.3
102.5°	419.7	195.0	185.5	147.4	109.3
105°	431.6	213.9	205.9	173.5	141.2
107.5°	433.7	241.8	234.3	204.2	174.1
110°	430.5	257.5	250.7	223.4	196.2



TEST NUMBER: P934492

CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	430.6	276.3	269.8	243.9	218.0
115°	434.6	304.7	298.7	274.8	250.9
117.5°	442.6	332.2	326.7	305.0	283.3
120°	449.2	348.2	343.1	322.6	302.2
122.5°	458.6	367.0	361.8	341.2	320.6
125°	471.3	391.2	386.5	367.7	349.0
127.5°	484.1	414.6	409.9	390.9	372.0
130°	493.3	430.3	425.2	404.7	384.3
132.5°	500.9	443.0	437.9	417.4	397.0
135°	509.1	457.8	453.1	434.6	415.9
137.5°	521.4	476.7	472.1	453.7	435.3
140°	529.0	489.4	485.2	468.2	451.2
142.5°	535.3	498.8	494.9	479.2	463.5
145°	543.5	513.2	509.9	496.1	482.5
147.5°	555.5	531.3	528.0	514.6	501.3
150°	561.8	540.7	537.7	525.7	513.6
152.5°	565.9	546.9	544.6	535.5	526.4
155°	575.0	560.4	558.8	552.0	545.2
157.5°	584.0	574.0	572.3	565.7	559.2
160°	588.1	580.2	578.9	573.8	568.6
162.5°	592.5	586.7	585.7	582.0	578.1
165°	598.7	596.1	595.2	591.8	588.3
167.5°	603.7	601.5	601.1	599.4	597.8
170°	607.8	607.7	607.3	605.6	604.0
172.5°	608.1	608.1	608.0	607.7	607.3
175°	610.5	611.7	611.7	611.7	611.7
177.5°	610.7	611.7	611.7	611.7	611.7
180°	611.7	611.7	611.7	611.7	611.7



TEST NUMBER: P934492
 CATALOG NUMBER: SQ4-FA-050U-100D-B2750-1D-UNV-STD-W-8-2700K

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	14.94	15.95	15.76	16.79	17.84	17.77	18.78	18.60	19.63	20.67
	3H	15.43	16.33	16.26	17.18	18.26	19.13	20.04	19.97	20.89	21.97
	4H	15.62	16.48	16.47	17.34	18.42	19.59	20.44	20.44	21.30	22.39
	6H	15.75	16.54	16.61	17.41	18.51	19.88	20.67	20.74	21.54	22.64
	8H	15.75	16.51	16.63	17.39	18.49	19.96	20.71	20.83	21.60	22.70
	12H	15.73	16.45	16.61	17.33	18.45	20.01	20.72	20.88	21.60	22.73
4H	2H	15.99	16.84	16.84	17.70	18.79	18.20	19.06	19.06	19.92	21.00
	3H	17.03	17.74	17.90	18.64	19.74	19.72	20.44	20.59	21.33	22.43
	4H	17.31	17.96	18.19	18.85	19.98	20.26	20.91	21.14	21.80	22.93
	6H	17.45	18.01	18.34	18.92	20.05	20.63	21.19	21.53	22.11	23.24
	8H	17.45	17.98	18.35	18.89	20.03	20.75	21.27	21.64	22.18	23.32
	12H	17.43	17.90	18.35	18.83	19.98	20.81	21.28	21.73	22.21	23.36
8H	4H	17.78	18.30	18.68	19.21	20.36	20.40	20.92	21.29	21.83	22.97
	6H	18.05	18.48	18.97	19.43	20.57	20.84	21.27	21.76	22.22	23.37
	8H	18.09	18.47	19.03	19.42	20.58	20.99	21.38	21.93	22.32	23.48
	12H	18.08	18.42	19.02	19.35	20.57	21.10	21.44	22.04	22.37	23.59
12H	4H	17.79	18.26	18.71	19.19	20.34	20.37	20.84	21.28	21.77	22.92
	6H	18.11	18.49	19.04	19.44	20.60	20.84	21.22	21.77	22.16	23.33
	8H	18.18	18.52	19.12	19.46	20.67	21.01	21.35	21.95	22.28	23.49