

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: P934592

Luminaire Tested: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934592
REPORT IS A COMBINATION OF REPORTS P933704 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

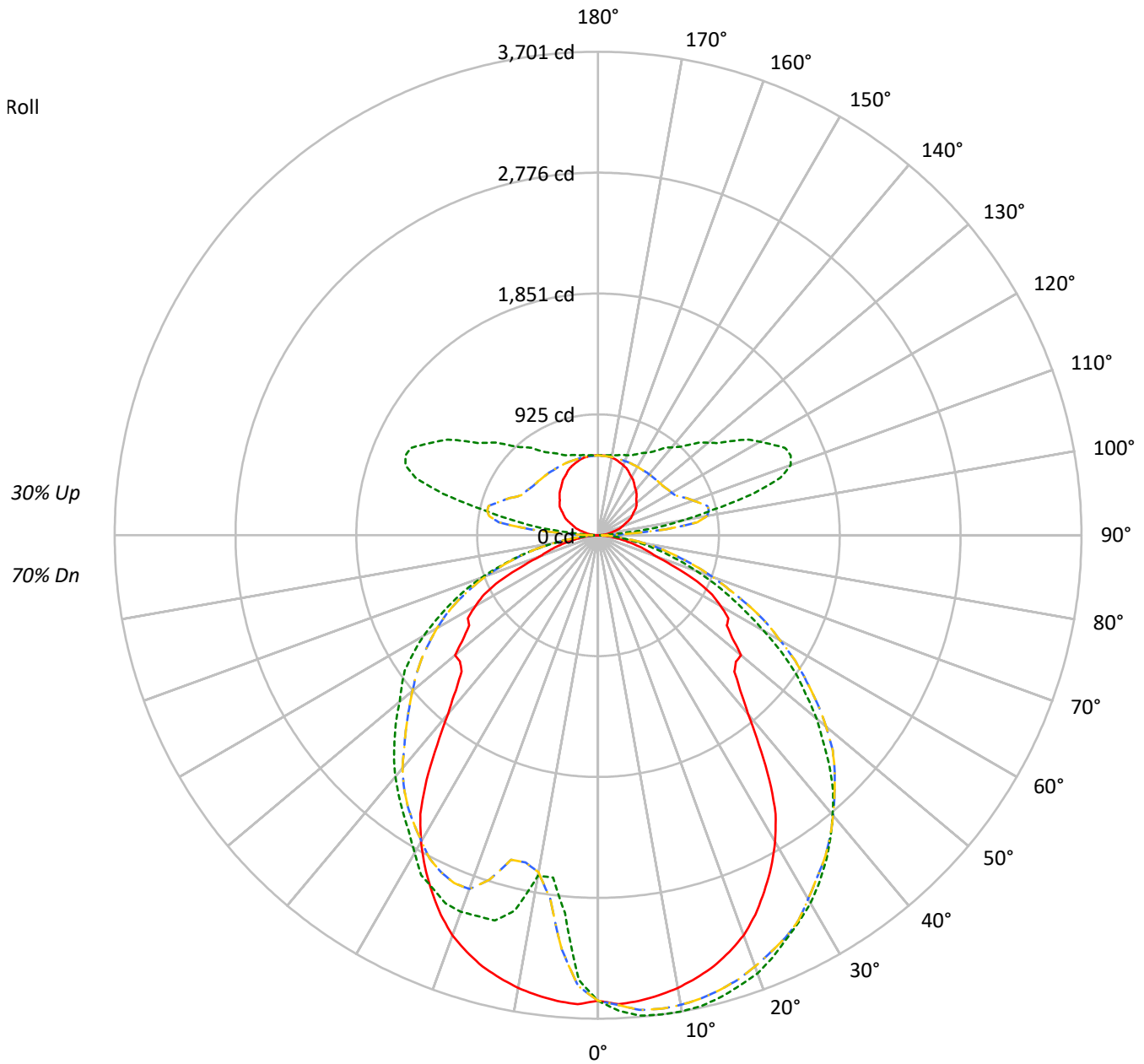
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13206.0 lumens
Efficiency: N/A
Efficacy: 117.9 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): 112
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: P934592
CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-2700K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



TEST NUMBER: P934592

CATALOG NUMBER: SQ4-FA-050U-125D-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	0
RCR																					
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	29	26	31	27	24	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16530	16530	16530	16530
5°	16654	16687	16654	13121
10°	16543	16437	16543	11752
15°	16363	16081	16363	13428
20°	16020	15659	16020	13456
25°	15320	15044	15320	13171
30°	14415	14533	14415	12545
35°	12851	13887	12851	11857
40°	10708	13126	10708	11337
45°	9568	12236	9568	10739
50°	10164	11174	10164	10139
55°	9563	10030	9563	9792
60°	9857	8518	9857	8969
65°	8937	7041	8937	7871
70°	6189	5612	6189	6598
75°	5426	4148	5426	4967
80°	4374	2743	4374	2987
85°	2511	1453	2511	1235

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14664 cd/sqm



TEST NUMBER: P934592

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.6	2.4
10°-20°	913.1	6.9
20°-30°	1411.6	10.7
30°-40°	1685.1	12.8
40°-50°	1695.0	12.8
50°-60°	1474.8	11.2
60°-70°	1045.7	7.9
70°-80°	553.2	4.2
80°-90°	140.1	1.1
90°-100°	298.2	2.3
100°-110°	784.0	5.9
110°-120°	812.9	6.2
120°-130°	652.0	4.9
130°-140°	511.6	3.9
140°-150°	392.7	3.0
150°-160°	282.8	2.1
160°-170°	173.0	1.3
170°-180°	58.5	0.4
0°-30°	2646.3	20.0
0°-40°	4331.4	32.8
0°-60°	7501.2	56.8
0°-90°	9240.2	70.0
90°-120°	1895.1	14.4
90°-150°	3451.4	26.1
90°-180°	3966.0	30.0
0°-180°	13206.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3563	3563	3563	3563	3563	
5°	3580	3691	3580	2902	3580	340
15°	3418	3657	3418	3054	3418	962
25°	3010	3411	3010	2986	3010	1382
35°	2289	3044	2289	2599	2289	1416
45°	1476	2508	1476	2201	1476	1183
55°	1203	1851	1203	1807	1203	1106
65°	836	1116	836	1247	836	799
75°	317	529	317	634	317	333
85°	54	135	54	115	54	73
90°	4	16	4	16	4	6
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: P934592

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3593.2	3593.2	3613.4	3620.2	3620.2	3610.1	3599.9	3610.1	3640.4	3650.5	3647.2
5°	3579.7	3606.7	3643.8	3650.5	3657.2	3653.9	3647.2	3653.9	3687.6	3694.4	3697.7
7.5°	3552.7	3603.3	3650.5	3660.6	3670.8	3660.6	3657.2	3664.0	3697.7	3704.4	3704.4
10°	3519.1	3589.9	3643.8	3650.5	3660.6	3650.5	3650.5	3664.0	3697.7	3704.4	3707.8
12.5°	3471.9	3569.6	3620.2	3626.9	3640.4	3637.0	3633.7	3647.2	3680.8	3687.6	3687.6
15°	3418.0	3532.5	3579.7	3586.5	3610.1	3603.3	3603.3	3616.8	3653.9	3664.0	3660.6
17.5°	3343.8	3485.3	3539.3	3549.3	3566.3	3562.9	3566.3	3579.7	3613.4	3620.2	3623.5
20°	3259.5	3421.3	3485.3	3495.5	3512.3	3512.3	3512.3	3529.1	3562.9	3576.3	3576.3
22.5°	3144.9	3353.9	3421.3	3428.0	3448.3	3448.3	3455.0	3478.6	3508.9	3512.3	3512.3
25°	3010.1	3279.7	3337.0	3357.2	3377.4	3387.6	3397.8	3411.2	3421.3	3418.0	3421.3
27.5°	2868.5	3185.3	3259.5	3273.0	3299.9	3310.1	3323.6	3326.9	3330.3	3340.4	3333.6
30°	2710.1	3053.9	3165.1	3178.6	3222.5	3229.1	3215.7	3222.5	3239.3	3246.1	3252.7
32.5°	2531.4	2858.4	3067.4	3097.8	3138.2	3118.0	3114.6	3124.7	3151.6	3151.6	3158.4
35°	2288.7	2706.7	2976.3	3003.3	3033.6	3010.1	3023.6	3026.9	3043.8	3053.9	3050.5
37.5°	2022.5	2575.3	2882.0	2902.2	2925.8	2895.5	2915.7	2925.8	2939.3	2932.5	2932.5
40°	1786.5	2369.6	2770.8	2784.2	2804.4	2780.8	2801.1	2807.8	2814.6	2807.8	2804.4
42.5°	1611.2	2143.8	2652.7	2669.6	2656.1	2673.0	2679.7	2693.2	2683.1	2669.6	2669.6
45°	1476.4	2083.1	2524.7	2544.9	2524.7	2551.7	2561.8	2561.8	2531.4	2524.7	2521.3
47.5°	1432.5	1961.7	2396.6	2396.6	2386.5	2420.2	2437.0	2413.4	2383.1	2373.0	2373.0
50°	1429.2	1827.0	2221.3	2207.8	2255.0	2295.5	2278.6	2255.0	2231.4	2194.4	2194.4
52.5°	1297.7	1661.7	1995.5	2046.1	2120.2	2143.8	2116.8	2093.2	2052.8	2035.9	2022.5
55°	1203.4	1489.9	1789.9	1891.0	1968.5	1998.9	1948.3	1924.7	1864.0	1854.0	1847.2
57.5°	1183.1	1240.4	1601.1	1729.2	1823.6	1820.2	1789.9	1746.1	1695.5	1685.3	1682.0
60°	1085.3	896.6	1398.9	1550.6	1648.3	1638.2	1611.2	1570.8	1523.6	1516.8	1510.1
62.5°	984.2	650.6	1169.6	1341.5	1479.8	1476.4	1452.8	1392.1	1358.4	1341.5	1328.1
65°	835.9	546.1	832.6	1115.7	1314.6	1321.3	1270.8	1227.0	1189.8	1169.6	1166.3
67.5°	637.0	444.9	562.9	930.4	1156.2	1149.4	1085.3	1065.1	1018.0	1007.9	987.6
70°	471.9	296.6	391.0	755.1	1001.1	984.2	933.7	910.1	866.3	842.7	829.2
72.5°	391.0	239.3	286.5	586.5	842.7	822.5	778.7	751.7	714.6	694.4	680.9
75°	316.8	252.8	219.1	434.9	684.3	670.8	630.4	603.4	573.0	546.1	549.4
77.5°	232.6	236.0	175.3	320.2	542.7	522.5	498.9	465.1	451.7	424.7	424.7
80°	175.3	185.4	131.5	219.1	391.0	391.0	370.8	347.2	323.6	310.2	310.2
82.5°	117.9	117.9	97.7	138.2	266.3	256.2	242.7	236.0	222.5	215.7	215.7
85°	53.9	67.4	60.7	84.3	144.9	151.7	151.7	144.9	141.5	134.9	138.2
87.5°	16.8	30.4	37.1	47.2	74.2	77.5	80.9	80.9	80.9	84.3	84.3
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: P934592

CATALOG NUMBER: SQ4-FA-050U-125D-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: P934592

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3653.9	3643.8	3653.9	3647.2	3650.5	3640.4	3610.1	3599.9	3610.1	3620.2	3620.2
5°	3697.7	3691.0	3697.7	3697.7	3694.4	3687.6	3653.9	3647.2	3653.9	3657.2	3650.5
7.5°	3711.2	3701.0	3711.2	3704.4	3704.4	3697.7	3664.0	3657.2	3660.6	3670.8	3660.6
10°	3711.2	3701.0	3711.2	3707.8	3704.4	3697.7	3664.0	3650.5	3650.5	3660.6	3650.5
12.5°	3694.4	3687.6	3694.4	3687.6	3687.6	3680.8	3647.2	3633.7	3637.0	3640.4	3626.9
15°	3667.4	3657.2	3667.4	3660.6	3664.0	3653.9	3616.8	3603.3	3603.3	3610.1	3586.5
17.5°	3626.9	3613.4	3626.9	3623.5	3620.2	3613.4	3579.7	3566.3	3562.9	3566.3	3549.3
20°	3579.7	3569.6	3579.7	3576.3	3576.3	3562.9	3529.1	3512.3	3512.3	3512.3	3495.5
22.5°	3505.5	3495.5	3505.5	3512.3	3512.3	3508.9	3478.6	3455.0	3448.3	3448.3	3428.0
25°	3421.3	3411.2	3421.3	3421.3	3418.0	3421.3	3411.2	3397.8	3387.6	3377.4	3357.2
27.5°	3340.4	3333.6	3340.4	3333.6	3340.4	3330.3	3326.9	3323.6	3310.1	3299.9	3273.0
30°	3259.5	3252.7	3259.5	3252.7	3246.1	3239.3	3222.5	3215.7	3229.1	3222.5	3178.6
32.5°	3158.4	3151.6	3158.4	3158.4	3151.6	3151.6	3124.7	3114.6	3118.0	3138.2	3097.8
35°	3053.9	3043.8	3053.9	3050.5	3053.9	3043.8	3026.9	3023.6	3010.1	3033.6	3003.3
37.5°	2932.5	2922.5	2932.5	2932.5	2932.5	2939.3	2925.8	2915.7	2895.5	2925.8	2902.2
40°	2807.8	2794.4	2807.8	2804.4	2807.8	2814.6	2807.8	2801.1	2780.8	2804.4	2784.2
42.5°	2666.3	2662.9	2666.3	2669.6	2669.6	2683.1	2693.2	2679.7	2673.0	2656.1	2669.6
45°	2514.6	2507.8	2514.6	2521.3	2524.7	2531.4	2561.8	2561.8	2551.7	2524.7	2544.9
47.5°	2352.8	2335.9	2352.8	2373.0	2373.0	2383.1	2413.4	2437.0	2420.2	2386.5	2396.6
50°	2180.8	2184.2	2180.8	2194.4	2194.4	2231.4	2255.0	2278.6	2295.5	2255.0	2207.8
52.5°	2012.3	2008.9	2012.3	2022.5	2035.9	2052.8	2093.2	2116.8	2143.8	2120.2	2046.1
55°	1843.8	1850.6	1843.8	1847.2	1854.0	1864.0	1924.7	1948.3	1998.9	1968.5	1891.0
57.5°	1675.3	1665.1	1675.3	1682.0	1685.3	1695.5	1746.1	1789.9	1820.2	1823.6	1729.2
60°	1479.8	1466.3	1479.8	1510.1	1516.8	1523.6	1570.8	1611.2	1638.2	1648.3	1550.6
62.5°	1307.8	1284.2	1307.8	1328.1	1341.5	1358.4	1392.1	1452.8	1476.4	1479.8	1341.5
65°	1125.8	1115.7	1125.8	1166.3	1169.6	1189.8	1227.0	1270.8	1321.3	1314.6	1115.7
67.5°	960.6	960.6	960.6	987.6	1007.9	1018.0	1065.1	1085.3	1149.4	1156.2	930.4
70°	809.0	805.6	809.0	829.2	842.7	866.3	910.1	933.7	984.2	1001.1	755.1
72.5°	664.0	660.6	664.0	680.9	694.4	714.6	751.7	778.7	822.5	842.7	586.5
75°	535.9	529.2	535.9	549.4	546.1	573.0	603.4	630.4	670.8	684.3	434.9
77.5°	411.2	411.2	411.2	424.7	424.7	451.7	465.1	498.9	522.5	542.7	320.2
80°	306.8	303.4	306.8	310.2	310.2	323.6	347.2	370.8	391.0	391.0	219.1
82.5°	215.7	209.0	215.7	215.7	215.7	222.5	236.0	242.7	256.2	266.3	138.2
85°	134.9	134.9	134.9	138.2	134.9	141.5	144.9	151.7	151.7	144.9	84.3
87.5°	87.6	84.3	87.6	84.3	84.3	80.9	80.9	80.9	77.5	74.2	47.2
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: P934592

CATALOG NUMBER: SQ4-FA-050U-125D-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: P934592

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3613.4	3593.2	3593.2	3559.5	3546.1	3535.9	3519.1	3468.5	3455.0	3441.5	3461.8
5°	3643.8	3606.7	3579.7	3519.1	3468.5	3448.3	3384.2	3262.9	3182.0	3121.3	3087.6
7.5°	3650.5	3603.3	3552.7	3458.4	3337.0	3283.1	3087.6	2865.1	2804.4	2750.6	2716.8
10°	3643.8	3589.9	3519.1	3377.4	3091.0	2996.6	2801.1	2656.1	2619.1	2608.9	2619.1
12.5°	3620.2	3569.6	3471.9	3235.9	2834.8	2770.8	2656.1	2571.9	2565.1	2582.0	2673.0
15°	3579.7	3532.5	3418.0	3047.2	2693.2	2646.1	2565.1	2534.8	2571.9	2689.9	2962.9
17.5°	3539.3	3485.3	3343.8	2861.8	2585.3	2551.7	2494.4	2555.0	2764.0	2922.5	3013.4
20°	3485.3	3421.3	3259.5	2726.9	2507.8	2477.5	2450.6	2723.6	2882.0	2939.3	2989.9
22.5°	3421.3	3353.9	3144.9	2632.5	2427.0	2403.3	2420.2	2818.0	2882.0	2922.5	2966.3
25°	3337.0	3279.7	3010.1	2558.4	2362.9	2335.9	2400.0	2807.8	2844.9	2855.0	2942.7
27.5°	3259.5	3185.3	2868.5	2491.0	2285.3	2275.3	2416.8	2764.0	2791.0	2801.1	2895.5
30°	3165.1	3053.9	2710.1	2420.2	2204.4	2201.1	2420.2	2710.1	2703.3	2730.3	2824.7
32.5°	3067.4	2858.4	2531.4	2332.5	2127.0	2123.6	2396.6	2629.1	2622.5	2659.5	2730.3
35°	2976.3	2706.7	2288.7	2231.4	2029.2	2032.5	2339.3	2534.8	2538.2	2571.9	2615.7
37.5°	2882.0	2575.3	2022.5	2120.2	1934.8	1934.8	2261.7	2447.2	2440.4	2450.6	2511.2
40°	2770.8	2369.6	1786.5	1975.3	1847.2	1837.0	2167.4	2352.8	2329.1	2325.9	2410.1
42.5°	2652.7	2143.8	1611.2	1783.1	1746.1	1732.5	2052.8	2238.2	2194.4	2204.4	2312.3
45°	2524.7	2083.1	1476.4	1506.7	1641.5	1631.4	1928.1	2106.7	2076.4	2103.4	2214.6
47.5°	2396.6	1961.7	1432.5	1250.6	1530.4	1527.0	1789.9	1978.7	1961.7	1988.7	2106.7
50°	2221.3	1827.0	1429.2	1071.9	1405.6	1419.1	1624.7	1854.0	1854.0	1877.5	2002.3
52.5°	1995.5	1661.7	1297.7	970.8	1260.6	1301.1	1479.8	1746.1	1752.8	1776.4	1887.6
55°	1789.9	1489.9	1203.4	893.2	1088.7	1176.4	1338.2	1634.8	1648.3	1671.9	1773.0
57.5°	1601.1	1240.4	1183.1	802.3	930.4	1014.6	1213.4	1527.0	1533.6	1554.0	1651.7
60°	1398.9	896.6	1085.3	704.5	792.1	856.2	1098.9	1398.9	1422.5	1435.9	1520.2
62.5°	1169.6	650.6	984.2	637.0	724.7	738.2	1004.5	1277.5	1307.8	1318.0	1368.5
65°	832.6	546.1	835.9	579.8	653.9	657.3	903.4	1152.8	1179.8	1196.6	1233.6
67.5°	562.9	444.9	637.0	525.8	600.0	603.4	805.6	1007.9	1044.9	1058.4	1082.1
70°	391.0	296.6	471.9	468.5	539.3	546.1	701.1	876.4	910.1	920.2	933.7
72.5°	286.5	239.3	391.0	421.3	475.3	482.1	593.2	728.1	761.7	771.9	778.7
75°	219.1	252.8	316.8	367.4	404.5	407.9	485.4	593.2	616.8	623.6	627.0
77.5°	175.3	236.0	232.6	296.6	330.4	323.6	380.9	458.5	478.7	478.7	478.7
80°	131.5	185.4	175.3	212.3	242.7	236.0	273.0	327.0	333.7	340.4	337.0
82.5°	97.7	117.9	117.9	134.9	161.8	155.1	182.1	212.3	212.3	212.3	219.1
85°	60.7	67.4	53.9	70.8	91.0	87.6	101.1	114.6	117.9	117.9	111.3
87.5°	37.1	30.4	16.8	27.0	40.4	40.4	47.2	50.6	47.2	47.2	47.2
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: P934592

CATALOG NUMBER: SQ4-FA-050U-125D-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: P934592

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3438.2	3428.0	3441.5	3404.4	3441.5	3428.0	3438.2	3461.8	3441.5	3455.0	3468.5
5°	3016.8	3000.0	2946.1	2902.2	2946.1	3000.0	3016.8	3087.6	3121.3	3182.0	3262.9
7.5°	2696.6	2683.1	2669.6	2642.7	2669.6	2683.1	2696.6	2716.8	2750.6	2804.4	2865.1
10°	2625.9	2629.1	2649.4	2646.1	2649.4	2629.1	2625.9	2619.1	2608.9	2619.1	2656.1
12.5°	2807.8	2838.2	2949.4	2942.7	2949.4	2838.2	2807.8	2673.0	2582.0	2565.1	2571.9
15°	3016.8	3026.9	3050.5	3053.9	3050.5	3026.9	3016.8	2962.9	2689.9	2571.9	2534.8
17.5°	3037.0	3040.4	3057.2	3057.2	3057.2	3040.4	3037.0	3013.4	2922.5	2764.0	2555.0
20°	3020.2	3026.9	3060.6	3067.4	3060.6	3026.9	3020.2	2989.9	2939.3	2882.0	2723.6
22.5°	3013.4	3026.9	3053.9	3050.5	3053.9	3026.9	3013.4	2966.3	2922.5	2882.0	2818.0
25°	2979.7	2979.7	2983.1	2986.5	2983.1	2979.7	2979.7	2942.7	2855.0	2844.9	2807.8
27.5°	2908.9	2915.7	2935.9	2932.5	2935.9	2915.7	2908.9	2895.5	2801.1	2791.0	2764.0
30°	2844.9	2838.2	2821.3	2807.8	2821.3	2838.2	2844.9	2824.7	2730.3	2703.3	2710.1
32.5°	2737.0	2720.2	2703.3	2693.2	2703.3	2720.2	2737.0	2730.3	2659.5	2622.5	2629.1
35°	2608.9	2612.3	2608.9	2598.9	2608.9	2612.3	2608.9	2615.7	2571.9	2538.2	2534.8
37.5°	2518.0	2524.7	2521.3	2507.8	2521.3	2524.7	2518.0	2511.2	2450.6	2440.4	2447.2
40°	2423.6	2427.0	2423.6	2413.4	2423.6	2427.0	2423.6	2410.1	2325.9	2329.1	2352.8
42.5°	2332.5	2329.1	2319.1	2312.3	2319.1	2329.1	2332.5	2312.3	2204.4	2194.4	2238.2
45°	2228.1	2231.4	2211.2	2201.1	2211.2	2231.4	2228.1	2214.6	2103.4	2076.4	2106.7
47.5°	2123.6	2123.6	2106.7	2096.6	2106.7	2123.6	2123.6	2106.7	1988.7	1961.7	1978.7
50°	2012.3	2008.9	1985.3	1982.0	1985.3	2008.9	2012.3	2002.3	1877.5	1854.0	1854.0
52.5°	1884.2	1884.2	1887.6	1894.4	1887.6	1884.2	1884.2	1887.6	1776.4	1752.8	1746.1
55°	1773.0	1776.4	1800.0	1806.7	1800.0	1776.4	1773.0	1773.0	1671.9	1648.3	1634.8
57.5°	1658.4	1658.4	1675.3	1675.3	1675.3	1658.4	1658.4	1651.7	1554.0	1533.6	1527.0
60°	1527.0	1533.6	1547.2	1543.8	1547.2	1533.6	1527.0	1520.2	1435.9	1422.5	1398.9
62.5°	1388.7	1395.5	1398.9	1392.1	1398.9	1395.5	1388.7	1368.5	1318.0	1307.8	1277.5
65°	1243.8	1250.6	1254.0	1247.2	1254.0	1250.6	1243.8	1233.6	1196.6	1179.8	1152.8
67.5°	1095.5	1092.1	1088.7	1102.3	1088.7	1092.1	1095.5	1082.1	1058.4	1044.9	1007.9
70°	943.8	943.8	940.4	947.2	940.4	943.8	943.8	933.7	920.2	910.1	876.4
72.5°	782.1	778.7	792.1	782.1	792.1	778.7	782.1	778.7	771.9	761.7	728.1
75°	623.6	630.4	623.6	633.7	623.6	630.4	623.6	627.0	623.6	616.8	593.2
77.5°	475.3	482.1	475.3	475.3	475.3	482.1	475.3	478.7	478.7	478.7	458.5
80°	337.0	333.7	333.7	330.4	333.7	333.7	337.0	337.0	340.4	333.7	327.0
82.5°	215.7	212.3	212.3	219.1	212.3	212.3	215.7	219.1	212.3	212.3	212.3
85°	117.9	121.3	114.6	114.6	114.6	121.3	117.9	111.3	117.9	117.9	114.6
87.5°	43.8	40.4	40.4	40.4	40.4	40.4	43.8	47.2	47.2	47.2	50.6
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: P934592

CATALOG NUMBER: SQ4-FA-050U-125D-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: P934592

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3519.1	3535.9	3546.1	3559.5	3593.2
5°	3384.2	3448.3	3468.5	3519.1	3579.7
7.5°	3087.6	3283.1	3337.0	3458.4	3552.7
10°	2801.1	2996.6	3091.0	3377.4	3519.1
12.5°	2656.1	2770.8	2834.8	3235.9	3471.9
15°	2565.1	2646.1	2693.2	3047.2	3418.0
17.5°	2494.4	2551.7	2585.3	2861.8	3343.8
20°	2450.6	2477.5	2507.8	2726.9	3259.5
22.5°	2420.2	2403.3	2427.0	2632.5	3144.9
25°	2400.0	2335.9	2362.9	2558.4	3010.1
27.5°	2416.8	2275.3	2285.3	2491.0	2868.5
30°	2420.2	2201.1	2204.4	2420.2	2710.1
32.5°	2396.6	2123.6	2127.0	2332.5	2531.4
35°	2339.3	2032.5	2029.2	2231.4	2288.7
37.5°	2261.7	1934.8	1934.8	2120.2	2022.5
40°	2167.4	1837.0	1847.2	1975.3	1786.5
42.5°	2052.8	1732.5	1746.1	1783.1	1611.2
45°	1928.1	1631.4	1641.5	1506.7	1476.4
47.5°	1789.9	1527.0	1530.4	1250.6	1432.5
50°	1624.7	1419.1	1405.6	1071.9	1429.2
52.5°	1479.8	1301.1	1260.6	970.8	1297.7
55°	1338.2	1176.4	1088.7	893.2	1203.4
57.5°	1213.4	1014.6	930.4	802.3	1183.1
60°	1098.9	856.2	792.1	704.5	1085.3
62.5°	1004.5	738.2	724.7	637.0	984.2
65°	903.4	657.3	653.9	579.8	835.9
67.5°	805.6	603.4	600.0	525.8	637.0
70°	701.1	546.1	539.3	468.5	471.9
72.5°	593.2	482.1	475.3	421.3	391.0
75°	485.4	407.9	404.5	367.4	316.8
77.5°	380.9	323.6	330.4	296.6	232.6
80°	273.0	236.0	242.7	212.3	175.3
82.5°	182.1	155.1	161.8	134.9	117.9
85°	101.1	87.6	91.0	70.8	53.9
87.5°	47.2	40.4	40.4	27.0	16.8
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: P934592

CATALOG NUMBER: SQ4-FA-050U-125D-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: P934592
 CATALOG NUMBER: SQ4-FA-050U-125D-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	16.22	17.30	16.99	18.08	19.04	19.06	20.13	19.82	20.92	21.87
	3H	16.71	17.68	17.49	18.47	19.46	20.42	21.39	21.20	22.18	23.17
	4H	16.91	17.82	17.71	18.63	19.63	20.88	21.79	21.67	22.59	23.59
	6H	17.04	17.88	17.85	18.70	19.71	21.18	22.02	21.98	22.83	23.84
	8H	17.05	17.85	17.87	18.68	19.69	21.26	22.06	22.08	22.89	23.90
	12H	17.03	17.79	17.85	18.62	19.66	21.30	22.07	22.13	22.89	23.93
4H	2H	17.28	18.19	18.08	19.00	19.99	19.49	20.40	20.29	21.21	22.20
	3H	18.33	19.09	19.14	19.93	20.94	21.02	21.78	21.83	22.62	23.63
	4H	18.61	19.30	19.44	20.14	21.18	21.56	22.25	22.39	23.09	24.13
	6H	18.75	19.35	19.59	20.21	21.25	21.94	22.54	22.78	23.40	24.44
	8H	18.76	19.32	19.61	20.18	21.23	22.05	22.61	22.90	23.47	24.52
	12H	18.74	19.24	19.60	20.12	21.18	22.12	22.62	22.99	23.50	24.56
8H	4H	19.08	19.64	19.93	20.50	21.56	21.70	22.26	22.55	23.12	24.17
	6H	19.36	19.82	20.23	20.72	21.77	22.15	22.61	23.02	23.51	24.57
	8H	19.40	19.81	20.28	20.70	21.78	22.30	22.71	23.19	23.61	24.68
	12H	19.39	19.75	20.28	20.64	21.77	22.41	22.77	23.30	23.66	24.79
12H	4H	19.10	19.60	19.97	20.48	21.54	21.68	22.18	22.54	23.06	24.12
	6H	19.42	19.83	20.30	20.72	21.80	22.15	22.56	23.03	23.45	24.53
	8H	19.49	19.86	20.38	20.74	21.87	22.32	22.68	23.21	23.57	24.69