

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: P934593

Luminaire Tested: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934593
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-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

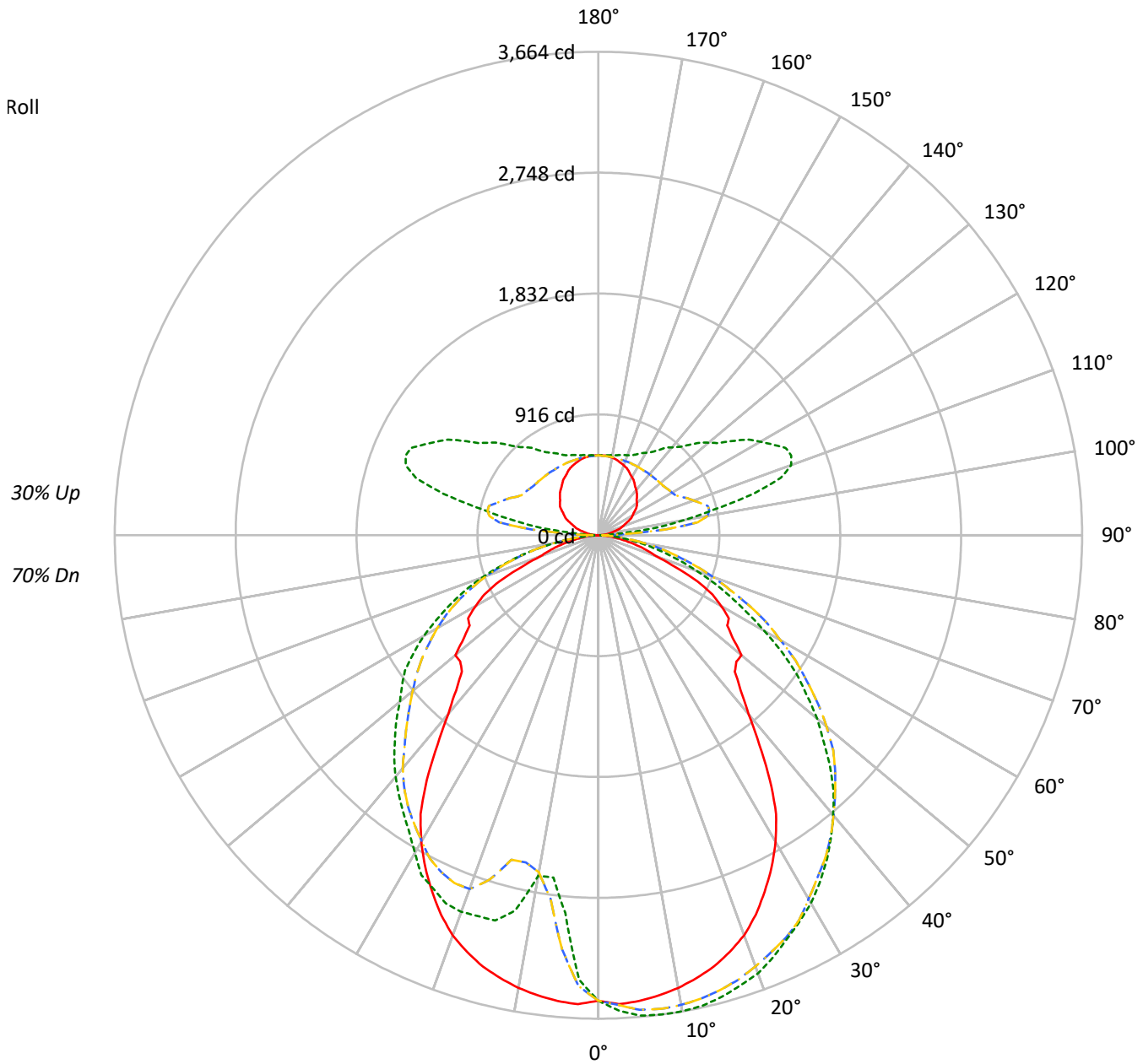
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13073.4 lumens
Efficiency: N/A
Efficacy: 116.7 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): 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

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Luminous Intensity Polar Plot



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



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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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	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	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	29	26	31	27	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16364	16364	16364	16364
5°	16487	16519	16487	12989
10°	16376	16272	16376	11634
15°	16199	15919	16199	13294
20°	15860	15502	15860	13321
25°	15166	14893	15166	13039
30°	14270	14387	14270	12419
35°	12721	13747	12721	11738
40°	10601	12994	10601	11223
45°	9471	12113	9471	10631
50°	10062	11062	10062	10037
55°	9467	9929	9467	9694
60°	9758	8433	9758	8879
65°	8847	6971	8847	7792
70°	6127	5555	6127	6532
75°	5371	4107	5371	4917
80°	4329	2715	4329	2957
85°	2483	1438	2483	1223

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14516 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.4	2.4
10°-20°	904.0	6.9
20°-30°	1397.4	10.7
30°-40°	1668.2	12.8
40°-50°	1678.0	12.8
50°-60°	1460.0	11.2
60°-70°	1035.2	7.9
70°-80°	547.7	4.2
80°-90°	138.7	1.1
90°-100°	295.2	2.3
100°-110°	776.1	5.9
110°-120°	804.7	6.2
120°-130°	645.5	4.9
130°-140°	506.5	3.9
140°-150°	388.8	3.0
150°-160°	280.0	2.1
160°-170°	171.3	1.3
170°-180°	57.9	0.4
0°-30°	2619.7	20.0
0°-40°	4287.9	32.8
0°-60°	7425.9	56.8
0°-90°	9147.5	70.0
90°-120°	1876.0	14.4
90°-150°	3416.8	26.1
90°-180°	3926.0	30.0
0°-180°	13073.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3527	3527	3527	3527	3527	
5°	3544	3654	3544	2873	3544	336
15°	3384	3620	3384	3023	3384	952
25°	2980	3377	2980	2956	2980	1368
35°	2266	3013	2266	2573	2266	1402
45°	1462	2483	1462	2179	1462	1171
55°	1191	1832	1191	1789	1191	1095
65°	828	1104	828	1235	828	791
75°	314	524	314	627	314	330
85°	53	134	53	114	53	72
90°	4	16	4	16	4	6
95°	39	178	39	178	39	43
105°	140	1215	140	1215	140	148
115°	248	1565	248	1565	248	245
125°	346	1246	346	1246	346	307
135°	412	967	412	967	412	319
145°	478	784	478	784	478	299
155°	540	676	540	676	540	248
165°	582	629	582	629	582	164
175°	606	610	606	610	606	57
180°	606	606	606	606	606	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3557.1	3557.1	3577.1	3583.8	3583.8	3573.9	3563.8	3573.9	3603.8	3613.9	3610.5
5°	3543.8	3570.5	3607.2	3613.9	3620.5	3617.2	3610.5	3617.2	3650.6	3657.3	3660.6
7.5°	3517.1	3567.2	3613.9	3623.8	3633.9	3623.8	3620.5	3627.2	3660.6	3667.2	3667.2
10°	3483.7	3553.8	3607.2	3613.9	3623.8	3613.9	3613.9	3627.2	3660.6	3667.2	3670.6
12.5°	3437.0	3533.7	3583.8	3590.5	3603.8	3600.5	3597.2	3610.5	3643.9	3650.6	3650.6
15°	3383.7	3497.0	3543.8	3550.5	3573.9	3567.2	3567.2	3580.5	3617.2	3627.2	3623.8
17.5°	3310.2	3450.3	3503.8	3513.7	3530.5	3527.1	3530.5	3543.8	3577.1	3583.8	3587.2
20°	3226.8	3386.9	3450.3	3460.4	3477.0	3477.0	3477.0	3493.7	3527.1	3540.4	3540.4
22.5°	3113.3	3320.3	3386.9	3393.6	3413.6	3413.6	3420.3	3443.7	3473.7	3477.0	3477.0
25°	2979.9	3246.8	3303.5	3323.5	3343.5	3353.6	3363.6	3377.0	3386.9	3383.7	3386.9
27.5°	2839.7	3153.3	3226.8	3240.1	3266.8	3276.9	3290.2	3293.5	3296.9	3306.8	3300.1
30°	2682.9	3023.3	3133.3	3146.7	3190.1	3196.7	3183.4	3190.1	3206.8	3213.5	3220.1
32.5°	2506.0	2829.7	3036.6	3066.7	3106.7	3086.7	3083.3	3093.3	3120.0	3120.0	3126.7
35°	2265.7	2679.6	2946.5	2973.2	3003.2	2979.9	2993.2	2996.6	3013.2	3023.3	3019.9
37.5°	2002.2	2549.4	2853.1	2873.1	2896.5	2866.4	2886.4	2896.5	2909.8	2903.1	2903.1
40°	1768.6	2345.8	2743.0	2756.3	2776.3	2752.9	2772.9	2779.6	2786.3	2779.6	2776.3
42.5°	1595.1	2122.3	2626.1	2642.8	2629.5	2646.1	2652.8	2666.1	2656.2	2642.8	2642.8
45°	1461.5	2062.2	2499.3	2519.3	2499.3	2526.0	2536.1	2536.1	2506.0	2499.3	2496.0
47.5°	1418.2	1942.0	2372.5	2372.5	2362.6	2395.9	2412.5	2389.2	2359.2	2349.1	2349.1
50°	1414.8	1808.6	2199.0	2185.7	2232.4	2272.4	2255.8	2232.4	2209.0	2172.4	2172.4
52.5°	1284.7	1645.0	1975.5	2025.5	2098.9	2122.3	2095.5	2072.2	2032.1	2015.5	2002.2
55°	1191.3	1475.0	1771.9	1872.0	1948.7	1978.8	1928.7	1905.3	1845.3	1835.3	1828.6
57.5°	1171.3	1228.0	1585.0	1711.8	1805.3	1801.9	1771.9	1728.6	1678.5	1668.4	1665.2
60°	1074.4	887.6	1384.8	1535.0	1631.7	1621.8	1595.1	1555.0	1508.3	1501.6	1495.0
62.5°	974.4	644.1	1157.9	1328.0	1464.9	1461.5	1438.2	1378.1	1344.8	1328.0	1314.7
65°	827.5	540.6	824.2	1104.5	1301.4	1308.0	1258.0	1214.7	1177.9	1157.9	1154.6
67.5°	630.6	440.4	557.3	921.0	1144.5	1137.8	1074.4	1054.4	1007.8	997.7	977.7
70°	467.2	293.6	387.1	747.5	991.0	974.4	924.3	901.0	857.6	834.3	820.8
72.5°	387.1	236.9	283.7	580.7	834.3	814.2	770.9	744.1	707.5	687.4	674.0
75°	313.6	250.2	216.9	430.5	677.4	664.1	624.0	597.3	567.2	540.6	543.9
77.5°	230.2	233.6	173.5	317.0	537.3	517.3	493.9	460.5	447.2	420.4	420.4
80°	173.5	183.5	130.2	216.9	387.1	387.1	367.1	343.7	320.4	307.0	307.0
82.5°	116.7	116.7	96.7	136.9	263.7	253.6	240.3	233.6	220.3	213.6	213.6
85°	53.3	66.8	60.0	83.4	143.5	150.2	150.2	143.5	140.1	133.5	136.9
87.5°	16.7	30.1	36.7	46.7	73.5	76.7	80.1	80.1	80.1	83.4	83.4
90°	4.0	7.3	10.6	11.3	17.8	26.5	30.9	27.4	20.6	15.5	15.5
92.5°	16.3	43.9	71.6	78.5	110.3	152.7	173.9	152.4	109.4	77.2	74.1
95°	39.0	89.6	140.2	152.8	271.3	429.4	508.5	453.8	344.3	262.2	252.9
97.5°	67.4	112.0	156.7	167.8	365.5	629.1	760.9	726.3	657.1	605.2	587.5
100°	89.4	129.9	170.3	180.4	399.8	692.3	838.5	841.1	846.1	849.8	828.7
102.5°	108.2	145.9	183.6	193.1	415.5	712.2	860.5	904.6	992.7	1058.8	1040.7
105°	139.8	171.8	203.8	211.8	427.2	714.5	858.0	956.8	1154.5	1302.7	1292.9
107.5°	172.4	202.1	231.9	239.4	429.3	682.6	809.2	947.1	1222.7	1429.5	1431.9
110°	194.2	221.2	248.2	254.9	426.1	654.4	768.6	922.7	1230.8	1461.9	1472.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	215.8	241.5	267.1	273.5	426.2	629.9	731.6	889.3	1204.7	1441.2	1456.8
115°	248.4	272.0	295.7	301.6	430.2	601.7	687.3	839.3	1143.1	1370.9	1392.4
117.5°	280.4	301.9	323.4	328.8	438.2	583.9	656.8	793.9	1068.1	1273.8	1297.7
120°	299.2	319.4	339.7	344.7	444.7	578.0	644.6	769.9	1020.4	1208.3	1231.5
122.5°	317.4	337.8	358.2	363.3	454.0	574.8	635.3	748.1	973.8	1143.0	1165.8
125°	345.5	364.0	382.7	387.3	466.6	572.3	625.1	721.0	912.6	1056.4	1077.5
127.5°	368.3	387.0	405.7	410.5	479.2	570.8	616.5	698.9	863.4	986.9	1004.6
130°	380.4	400.6	420.9	426.0	488.4	571.7	613.3	686.6	833.1	942.9	959.4
132.5°	393.0	413.2	433.5	438.6	495.9	572.3	610.5	676.1	807.2	905.5	920.2
135°	411.8	430.2	448.5	453.2	503.9	571.7	605.6	660.5	770.4	852.7	865.4
137.5°	430.9	449.1	467.4	471.9	516.2	575.2	604.8	651.3	744.1	813.7	824.1
140°	446.7	463.5	480.3	484.5	523.7	575.8	602.0	642.1	722.2	782.4	792.1
142.5°	458.9	474.4	489.9	493.8	529.9	577.9	602.0	637.2	707.7	760.5	768.9
145°	477.6	491.1	504.7	508.1	538.1	578.0	597.9	626.7	684.4	727.6	733.9
147.5°	496.3	509.5	522.7	525.9	549.9	581.9	597.9	620.6	665.8	699.9	705.1
150°	508.5	520.4	532.3	535.3	556.2	584.0	597.9	617.0	655.4	684.1	688.3
152.5°	521.1	530.2	539.1	541.4	560.2	585.4	597.9	614.3	646.9	671.5	674.7
155°	539.7	546.4	553.1	554.8	569.2	588.3	597.9	610.9	636.9	656.4	658.5
157.5°	553.5	560.0	566.6	568.2	578.1	591.3	597.9	608.0	628.2	643.4	644.8
160°	562.9	568.0	573.1	574.3	582.2	592.7	597.9	606.6	623.8	636.9	637.7
162.5°	572.3	576.1	579.9	580.9	586.6	594.2	597.9	605.2	619.9	630.8	631.6
165°	582.4	585.9	589.2	590.1	592.7	596.1	597.9	603.1	613.6	621.5	622.4
167.5°	591.8	593.4	595.1	595.4	597.6	600.5	602.0	605.4	612.3	617.4	617.8
170°	597.9	599.5	601.2	601.6	601.7	601.9	602.0	605.4	612.3	617.4	617.4
172.5°	601.2	601.6	601.9	602.0	602.0	602.0	602.0	604.7	610.1	614.2	613.9
175°	605.6	605.6	605.6	605.6	604.4	602.7	602.0	603.6	607.1	609.6	609.6
177.5°	605.6	605.6	605.6	605.6	604.6	603.3	602.7	604.1	606.8	608.9	608.5
180°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3617.2	3607.2	3617.2	3610.5	3613.9	3603.8	3573.9	3563.8	3573.9	3583.8	3583.8
5°	3660.6	3653.9	3660.6	3660.6	3657.3	3650.6	3617.2	3610.5	3617.2	3620.5	3613.9
7.5°	3673.9	3663.9	3673.9	3667.2	3667.2	3660.6	3627.2	3620.5	3623.8	3633.9	3623.8
10°	3673.9	3663.9	3673.9	3670.6	3667.2	3660.6	3627.2	3613.9	3613.9	3623.8	3613.9
12.5°	3657.3	3650.6	3657.3	3650.6	3650.6	3643.9	3610.5	3597.2	3600.5	3603.8	3590.5
15°	3630.6	3620.5	3630.6	3623.8	3627.2	3617.2	3580.5	3567.2	3567.2	3573.9	3550.5
17.5°	3590.5	3577.1	3590.5	3587.2	3583.8	3577.1	3543.8	3530.5	3527.1	3530.5	3513.7
20°	3543.8	3533.7	3543.8	3540.4	3540.4	3527.1	3493.7	3477.0	3477.0	3477.0	3460.4
22.5°	3470.3	3460.4	3470.3	3477.0	3477.0	3473.7	3443.7	3420.3	3413.6	3413.6	3393.6
25°	3386.9	3377.0	3386.9	3386.9	3383.7	3386.9	3377.0	3363.6	3353.6	3343.5	3323.5
27.5°	3306.8	3300.1	3306.8	3300.1	3306.8	3296.9	3293.5	3290.2	3276.9	3266.8	3240.1
30°	3226.8	3220.1	3226.8	3220.1	3213.5	3206.8	3190.1	3183.4	3196.7	3190.1	3146.7
32.5°	3126.7	3120.0	3126.7	3126.7	3120.0	3120.0	3093.3	3083.3	3086.7	3106.7	3066.7
35°	3023.3	3013.2	3023.3	3019.9	3023.3	3013.2	2996.6	2993.2	2979.9	3003.2	2973.2
37.5°	2903.1	2893.1	2903.1	2903.1	2903.1	2909.8	2896.5	2886.4	2866.4	2896.5	2873.1
40°	2779.6	2766.3	2779.6	2776.3	2779.6	2786.3	2779.6	2772.9	2752.9	2776.3	2756.3
42.5°	2639.5	2636.2	2639.5	2642.8	2642.8	2656.2	2666.1	2652.8	2646.1	2629.5	2642.8
45°	2489.4	2482.6	2489.4	2496.0	2499.3	2506.0	2536.1	2536.1	2526.0	2499.3	2519.3
47.5°	2329.1	2312.5	2329.1	2349.1	2349.1	2359.2	2389.2	2412.5	2395.9	2362.6	2372.5
50°	2158.9	2162.3	2158.9	2172.4	2172.4	2209.0	2232.4	2255.8	2272.4	2232.4	2185.7
52.5°	1992.1	1988.8	1992.1	2002.2	2015.5	2032.1	2072.2	2095.5	2122.3	2098.9	2025.5
55°	1825.3	1832.0	1825.3	1828.6	1835.3	1845.3	1905.3	1928.7	1978.8	1948.7	1872.0
57.5°	1658.5	1648.4	1658.5	1665.2	1668.4	1678.5	1728.6	1771.9	1801.9	1805.3	1711.8
60°	1464.9	1451.6	1464.9	1495.0	1501.6	1508.3	1555.0	1595.1	1621.8	1631.7	1535.0
62.5°	1294.7	1271.3	1294.7	1314.7	1328.0	1344.8	1378.1	1438.2	1461.5	1464.9	1328.0
65°	1114.5	1104.5	1114.5	1154.6	1157.9	1177.9	1214.7	1258.0	1308.0	1301.4	1104.5
67.5°	951.0	951.0	951.0	977.7	997.7	1007.8	1054.4	1074.4	1137.8	1144.5	921.0
70°	800.8	797.5	800.8	820.8	834.3	857.6	901.0	924.3	974.4	991.0	747.5
72.5°	657.4	654.0	657.4	674.0	687.4	707.5	744.1	770.9	814.2	834.3	580.7
75°	530.6	523.9	530.6	543.9	540.6	567.2	597.3	624.0	664.1	677.4	430.5
77.5°	407.1	407.1	407.1	420.4	420.4	447.2	460.5	493.9	517.3	537.3	317.0
80°	303.7	300.3	303.7	307.0	307.0	320.4	343.7	367.1	387.1	387.1	216.9
82.5°	213.6	206.9	213.6	213.6	213.6	220.3	233.6	240.3	253.6	263.7	136.9
85°	133.5	133.5	133.5	136.9	133.5	140.1	143.5	150.2	150.2	143.5	83.4
87.5°	86.8	83.4	86.8	83.4	83.4	80.1	80.1	80.1	76.7	73.5	46.7
90°	15.5	15.5	15.5	15.5	15.5	20.6	27.4	30.9	26.5	17.8	11.3
92.5°	61.8	49.6	61.8	74.1	77.2	109.4	152.4	173.9	152.7	110.3	78.5
95°	215.6	178.5	215.6	252.9	262.2	344.3	453.8	508.5	429.4	271.3	152.8
97.5°	516.7	445.9	516.7	587.5	605.2	657.1	726.3	760.9	629.1	365.5	167.8
100°	744.4	660.0	744.4	828.7	849.8	846.1	841.1	838.5	692.3	399.8	180.4
102.5°	968.4	896.2	968.4	1040.7	1058.8	992.7	904.6	860.5	712.2	415.5	193.1
105°	1254.1	1215.2	1254.1	1292.9	1302.7	1154.5	956.8	858.0	714.5	427.2	211.8
107.5°	1441.2	1450.6	1441.2	1431.9	1429.5	1222.7	947.1	809.2	682.6	429.3	239.4
110°	1512.5	1553.0	1512.5	1472.1	1461.9	1230.8	922.7	768.6	654.4	426.1	254.9



TEST NUMBER: P934593

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1518.9	1581.1	1518.9	1456.8	1441.2	1204.7	889.3	731.6	629.9	426.2	273.5
115°	1478.6	1564.8	1478.6	1392.4	1370.9	1143.1	839.3	687.3	601.7	430.2	301.6
117.5°	1393.3	1488.9	1393.3	1297.7	1273.8	1068.1	793.9	656.8	583.9	438.2	328.8
120°	1324.4	1417.3	1324.4	1231.5	1208.3	1020.4	769.9	644.6	578.0	444.7	344.7
122.5°	1257.4	1349.0	1257.4	1165.8	1143.0	973.8	748.1	635.3	574.8	454.0	363.3
125°	1161.8	1246.2	1161.8	1077.5	1056.4	912.6	721.0	625.1	572.3	466.6	387.3
127.5°	1075.8	1147.0	1075.8	1004.6	986.9	863.4	698.9	616.5	570.8	479.2	410.5
130°	1025.1	1090.9	1025.1	959.4	942.9	833.1	686.6	613.3	571.7	488.4	426.0
132.5°	979.2	1038.1	979.2	920.2	905.5	807.2	676.1	610.5	572.3	495.9	438.6
135°	916.2	967.0	916.2	865.4	852.7	770.4	660.5	605.6	571.7	503.9	453.2
137.5°	865.7	907.2	865.7	824.1	813.7	744.1	651.3	604.8	575.2	516.2	471.9
140°	830.9	869.8	830.9	792.1	782.4	722.2	642.1	602.0	575.8	523.7	484.5
142.5°	802.2	835.6	802.2	768.9	760.5	707.7	637.2	602.0	577.9	529.9	493.8
145°	759.2	784.5	759.2	733.9	727.6	684.4	626.7	597.9	578.0	538.1	508.1
147.5°	726.1	747.1	726.1	705.1	699.9	665.8	620.6	597.9	581.9	549.9	525.9
150°	705.3	722.2	705.3	688.3	684.1	655.4	617.0	597.9	584.0	556.2	535.3
152.5°	687.5	700.4	687.5	674.7	671.5	646.9	614.3	597.9	585.4	560.2	541.4
155°	667.0	675.5	667.0	658.5	656.4	636.9	610.9	597.9	588.3	569.2	554.8
157.5°	650.9	656.8	650.9	644.8	643.4	628.2	608.0	597.9	591.3	578.1	568.2
160°	641.2	644.6	641.2	637.7	636.9	623.8	606.6	597.9	592.7	582.2	574.3
162.5°	634.9	638.1	634.9	631.6	630.8	619.9	605.2	597.9	594.2	586.6	580.9
165°	625.7	629.2	625.7	622.4	621.5	613.6	603.1	597.9	596.1	592.7	590.1
167.5°	619.2	620.7	619.2	617.8	617.4	612.3	605.4	602.0	600.5	597.6	595.4
170°	617.4	617.4	617.4	617.4	617.4	612.3	605.4	602.0	601.9	601.7	601.6
172.5°	612.6	611.3	612.6	613.9	614.2	610.1	604.7	602.0	602.0	602.0	602.0
175°	609.6	609.6	609.6	609.6	609.6	607.1	603.6	602.0	602.7	604.4	605.6
177.5°	607.1	605.6	607.1	608.5	608.9	606.8	604.1	602.7	603.3	604.6	605.6
180°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6



TEST NUMBER: P934593

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3577.1	3557.1	3557.1	3523.8	3510.5	3500.4	3483.7	3433.6	3420.3	3406.9	3427.0
5°	3607.2	3570.5	3543.8	3483.7	3433.6	3413.6	3350.2	3230.1	3150.1	3089.9	3056.6
7.5°	3613.9	3567.2	3517.1	3423.7	3303.5	3250.2	3056.6	2836.3	2776.3	2722.9	2689.5
10°	3607.2	3553.8	3483.7	3343.5	3060.0	2966.5	2772.9	2629.5	2592.8	2582.7	2592.8
12.5°	3583.8	3533.7	3437.0	3203.4	2806.4	2743.0	2629.5	2546.0	2539.3	2556.1	2646.1
15°	3543.8	3497.0	3383.7	3016.6	2666.1	2619.5	2539.3	2509.4	2546.0	2662.9	2933.2
17.5°	3503.8	3450.3	3310.2	2833.1	2559.4	2526.0	2469.3	2529.4	2736.2	2893.1	2983.1
20°	3450.3	3386.9	3226.8	2699.6	2482.6	2452.6	2426.0	2696.2	2853.1	2909.8	2959.9
22.5°	3386.9	3320.3	3113.3	2606.1	2402.6	2379.2	2395.9	2789.7	2853.1	2893.1	2936.5
25°	3303.5	3246.8	2979.9	2532.7	2339.2	2312.5	2375.9	2779.6	2816.3	2826.4	2913.1
27.5°	3226.8	3153.3	2839.7	2466.0	2262.4	2252.4	2392.5	2736.2	2763.0	2772.9	2866.4
30°	3133.3	3023.3	2682.9	2395.9	2182.3	2179.0	2395.9	2682.9	2676.2	2702.9	2796.3
32.5°	3036.6	2829.7	2506.0	2309.1	2105.6	2102.3	2372.5	2602.7	2596.1	2632.8	2702.9
35°	2946.5	2679.6	2265.7	2209.0	2008.8	2012.1	2315.8	2509.4	2512.7	2546.0	2589.4
37.5°	2853.1	2549.4	2002.2	2098.9	1915.4	1915.4	2239.0	2422.6	2415.9	2426.0	2486.0
40°	2743.0	2345.8	1768.6	1955.4	1828.6	1818.6	2145.6	2329.1	2305.8	2302.5	2385.9
42.5°	2626.1	2122.3	1595.1	1765.2	1728.6	1715.1	2032.1	2215.7	2172.4	2182.3	2289.1
45°	2499.3	2062.2	1461.5	1491.6	1625.0	1615.1	1908.7	2085.6	2055.5	2082.2	2192.4
47.5°	2372.5	1942.0	1418.2	1238.0	1515.0	1511.6	1771.9	1958.8	1942.0	1968.7	2085.6
50°	2199.0	1808.6	1414.8	1061.1	1391.4	1404.9	1608.4	1835.3	1835.3	1858.6	1982.2
52.5°	1975.5	1645.0	1284.7	961.1	1248.0	1288.0	1464.9	1728.6	1735.2	1758.5	1868.7
55°	1771.9	1475.0	1191.3	884.2	1077.8	1164.6	1324.8	1618.4	1631.7	1655.1	1755.2
57.5°	1585.0	1228.0	1171.3	794.2	921.0	1004.4	1201.2	1511.6	1518.2	1538.4	1635.1
60°	1384.8	887.6	1074.4	697.4	784.2	847.6	1087.9	1384.8	1408.2	1421.5	1504.9
62.5°	1157.9	644.1	974.4	630.6	717.4	730.8	994.4	1264.6	1294.7	1304.8	1354.8
65°	824.2	540.6	827.5	574.0	647.3	650.7	894.3	1141.2	1167.9	1184.6	1221.3
67.5°	557.3	440.4	630.6	520.5	594.0	597.3	797.5	997.7	1034.4	1047.8	1071.2
70°	387.1	293.6	467.2	463.8	533.9	540.6	694.0	867.6	901.0	911.0	924.3
72.5°	283.7	236.9	387.1	417.1	470.5	477.2	587.3	720.8	754.1	764.2	770.9
75°	216.9	250.2	313.6	363.7	400.4	403.8	480.5	587.3	610.6	617.3	620.7
77.5°	173.5	233.6	230.2	293.6	327.1	320.4	377.0	453.9	473.9	473.9	473.9
80°	130.2	183.5	173.5	210.2	240.3	233.6	270.3	323.7	330.3	337.0	333.7
82.5°	96.7	116.7	116.7	133.5	160.1	153.5	180.2	210.2	210.2	210.2	216.9
85°	60.0	66.8	53.3	70.1	90.1	86.8	100.1	113.5	116.7	116.7	110.1
87.5°	36.7	30.1	16.7	26.7	40.0	40.0	46.7	50.1	46.7	46.7	46.7
90°	10.6	7.3	4.0	7.3	10.6	11.3	17.8	26.5	30.9	27.4	20.6
92.5°	71.6	43.9	16.3	43.9	71.6	78.5	110.3	152.7	173.9	152.4	109.4
95°	140.2	89.6	39.0	89.6	140.2	152.8	271.3	429.4	508.5	453.8	344.3
97.5°	156.7	112.0	67.4	112.0	156.7	167.8	365.5	629.1	760.9	726.3	657.1
100°	170.3	129.9	89.4	129.9	170.3	180.4	399.8	692.3	838.5	841.1	846.1
102.5°	183.6	145.9	108.2	145.9	183.6	193.1	415.5	712.2	860.5	904.6	992.7
105°	203.8	171.8	139.8	171.8	203.8	211.8	427.2	714.5	858.0	956.8	1154.5
107.5°	231.9	202.1	172.4	202.1	231.9	239.4	429.3	682.6	809.2	947.1	1222.7
110°	248.2	221.2	194.2	221.2	248.2	254.9	426.1	654.4	768.6	922.7	1230.8



TEST NUMBER: P934593

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	267.1	241.5	215.8	241.5	267.1	273.5	426.2	629.9	731.6	889.3	1204.7
115°	295.7	272.0	248.4	272.0	295.7	301.6	430.2	601.7	687.3	839.3	1143.1
117.5°	323.4	301.9	280.4	301.9	323.4	328.8	438.2	583.9	656.8	793.9	1068.1
120°	339.7	319.4	299.2	319.4	339.7	344.7	444.7	578.0	644.6	769.9	1020.4
122.5°	358.2	337.8	317.4	337.8	358.2	363.3	454.0	574.8	635.3	748.1	973.8
125°	382.7	364.0	345.5	364.0	382.7	387.3	466.6	572.3	625.1	721.0	912.6
127.5°	405.7	387.0	368.3	387.0	405.7	410.5	479.2	570.8	616.5	698.9	863.4
130°	420.9	400.6	380.4	400.6	420.9	426.0	488.4	571.7	613.3	686.6	833.1
132.5°	433.5	413.2	393.0	413.2	433.5	438.6	495.9	572.3	610.5	676.1	807.2
135°	448.5	430.2	411.8	430.2	448.5	453.2	503.9	571.7	605.6	660.5	770.4
137.5°	467.4	449.1	430.9	449.1	467.4	471.9	516.2	575.2	604.8	651.3	744.1
140°	480.3	463.5	446.7	463.5	480.3	484.5	523.7	575.8	602.0	642.1	722.2
142.5°	489.9	474.4	458.9	474.4	489.9	493.8	529.9	577.9	602.0	637.2	707.7
145°	504.7	491.1	477.6	491.1	504.7	508.1	538.1	578.0	597.9	626.7	684.4
147.5°	522.7	509.5	496.3	509.5	522.7	525.9	549.9	581.9	597.9	620.6	665.8
150°	532.3	520.4	508.5	520.4	532.3	535.3	556.2	584.0	597.9	617.0	655.4
152.5°	539.1	530.2	521.1	530.2	539.1	541.4	560.2	585.4	597.9	614.3	646.9
155°	553.1	546.4	539.7	546.4	553.1	554.8	569.2	588.3	597.9	610.9	636.9
157.5°	566.6	560.0	553.5	560.0	566.6	568.2	578.1	591.3	597.9	608.0	628.2
160°	573.1	568.0	562.9	568.0	573.1	574.3	582.2	592.7	597.9	606.6	623.8
162.5°	579.9	576.1	572.3	576.1	579.9	580.9	586.6	594.2	597.9	605.2	619.9
165°	589.2	585.9	582.4	585.9	589.2	590.1	592.7	596.1	597.9	603.1	613.6
167.5°	595.1	593.4	591.8	593.4	595.1	595.4	597.6	600.5	602.0	605.4	612.3
170°	601.2	599.5	597.9	599.5	601.2	601.6	601.7	601.9	602.0	605.4	612.3
172.5°	601.9	601.6	601.2	601.6	601.9	602.0	602.0	602.0	602.0	604.7	610.1
175°	605.6	605.6	605.6	605.6	605.6	605.6	604.4	602.7	602.0	603.6	607.1
177.5°	605.6	605.6	605.6	605.6	605.6	605.6	604.6	603.3	602.7	604.1	606.8
180°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6



TEST NUMBER: P934593

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3403.7	3393.6	3406.9	3370.2	3406.9	3393.6	3403.7	3427.0	3406.9	3420.3	3433.6
5°	2986.5	2969.8	2916.5	2873.1	2916.5	2969.8	2986.5	3056.6	3089.9	3150.1	3230.1
7.5°	2669.5	2656.2	2642.8	2616.2	2642.8	2656.2	2669.5	2689.5	2722.9	2776.3	2836.3
10°	2599.5	2602.7	2622.8	2619.5	2622.8	2602.7	2599.5	2592.8	2582.7	2592.8	2629.5
12.5°	2779.6	2809.7	2919.7	2913.1	2919.7	2809.7	2779.6	2646.1	2556.1	2539.3	2546.0
15°	2986.5	2996.6	3019.9	3023.3	3019.9	2996.6	2986.5	2933.2	2662.9	2546.0	2509.4
17.5°	3006.5	3009.9	3026.5	3026.5	3026.5	3009.9	3006.5	2983.1	2893.1	2736.2	2529.4
20°	2989.8	2996.6	3029.9	3036.6	3029.9	2996.6	2989.8	2959.9	2909.8	2853.1	2696.2
22.5°	2983.1	2996.6	3023.3	3019.9	3023.3	2996.6	2983.1	2936.5	2893.1	2853.1	2789.7
25°	2949.8	2949.8	2953.2	2956.5	2953.2	2949.8	2949.8	2913.1	2826.4	2816.3	2779.6
27.5°	2879.7	2886.4	2906.4	2903.1	2906.4	2886.4	2879.7	2866.4	2772.9	2763.0	2736.2
30°	2816.3	2809.7	2792.9	2779.6	2792.9	2809.7	2816.3	2796.3	2702.9	2676.2	2682.9
32.5°	2709.5	2692.9	2676.2	2666.1	2676.2	2692.9	2709.5	2702.9	2632.8	2596.1	2602.7
35°	2582.7	2586.1	2582.7	2572.8	2582.7	2586.1	2582.7	2589.4	2546.0	2512.7	2509.4
37.5°	2492.7	2499.3	2496.0	2482.6	2496.0	2499.3	2492.7	2486.0	2426.0	2415.9	2422.6
40°	2399.2	2402.6	2399.2	2389.2	2399.2	2402.6	2399.2	2385.9	2302.5	2305.8	2329.1
42.5°	2309.1	2305.8	2295.8	2289.1	2295.8	2305.8	2309.1	2289.1	2182.3	2172.4	2215.7
45°	2205.7	2209.0	2189.0	2179.0	2189.0	2209.0	2205.7	2192.4	2082.2	2055.5	2085.6
47.5°	2102.3	2102.3	2085.6	2075.5	2085.6	2102.3	2102.3	2085.6	1968.7	1942.0	1958.8
50°	1992.1	1988.8	1965.4	1962.1	1965.4	1988.8	1992.1	1982.2	1858.6	1835.3	1835.3
52.5°	1865.3	1865.3	1868.7	1875.4	1868.7	1865.3	1865.3	1868.7	1758.5	1735.2	1728.6
55°	1755.2	1758.5	1781.9	1788.6	1781.9	1758.5	1755.2	1755.2	1655.1	1631.7	1618.4
57.5°	1641.8	1641.8	1658.5	1658.5	1658.5	1641.8	1641.8	1635.1	1538.4	1518.2	1511.6
60°	1511.6	1518.2	1531.7	1528.3	1531.7	1518.2	1511.6	1504.9	1421.5	1408.2	1384.8
62.5°	1374.8	1381.5	1384.8	1378.1	1384.8	1381.5	1374.8	1354.8	1304.8	1294.7	1264.6
65°	1231.3	1238.0	1241.4	1234.7	1241.4	1238.0	1231.3	1221.3	1184.6	1167.9	1141.2
67.5°	1084.5	1081.1	1077.8	1091.2	1077.8	1081.1	1084.5	1071.2	1047.8	1034.4	997.7
70°	934.3	934.3	931.0	937.7	931.0	934.3	934.3	924.3	911.0	901.0	867.6
72.5°	774.2	770.9	784.2	774.2	784.2	770.9	774.2	770.9	764.2	754.1	720.8
75°	617.3	624.0	617.3	627.3	617.3	624.0	617.3	620.7	617.3	610.6	587.3
77.5°	470.5	477.2	470.5	470.5	470.5	477.2	470.5	473.9	473.9	473.9	453.9
80°	333.7	330.3	330.3	327.1	330.3	330.3	333.7	333.7	337.0	330.3	323.7
82.5°	213.6	210.2	210.2	216.9	210.2	210.2	213.6	216.9	210.2	210.2	210.2
85°	116.7	120.1	113.5	113.5	113.5	120.1	116.7	110.1	116.7	116.7	113.5
87.5°	43.4	40.0	40.0	40.0	40.0	40.0	43.4	46.7	46.7	46.7	50.1
90°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	20.6	27.4	30.9	26.5
92.5°	77.2	74.1	61.8	49.6	61.8	74.1	77.2	109.4	152.4	173.9	152.7
95°	262.2	252.9	215.6	178.5	215.6	252.9	262.2	344.3	453.8	508.5	429.4
97.5°	605.2	587.5	516.7	445.9	516.7	587.5	605.2	657.1	726.3	760.9	629.1
100°	849.8	828.7	744.4	660.0	744.4	828.7	849.8	846.1	841.1	838.5	692.3
102.5°	1058.8	1040.7	968.4	896.2	968.4	1040.7	1058.8	992.7	904.6	860.5	712.2
105°	1302.7	1292.9	1254.1	1215.2	1254.1	1292.9	1302.7	1154.5	956.8	858.0	714.5
107.5°	1429.5	1431.9	1441.2	1450.6	1441.2	1431.9	1429.5	1222.7	947.1	809.2	682.6
110°	1461.9	1472.1	1512.5	1553.0	1512.5	1472.1	1461.9	1230.8	922.7	768.6	654.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1441.2	1456.8	1518.9	1581.1	1518.9	1456.8	1441.2	1204.7	889.3	731.6	629.9
115°	1370.9	1392.4	1478.6	1564.8	1478.6	1392.4	1370.9	1143.1	839.3	687.3	601.7
117.5°	1273.8	1297.7	1393.3	1488.9	1393.3	1297.7	1273.8	1068.1	793.9	656.8	583.9
120°	1208.3	1231.5	1324.4	1417.3	1324.4	1231.5	1208.3	1020.4	769.9	644.6	578.0
122.5°	1143.0	1165.8	1257.4	1349.0	1257.4	1165.8	1143.0	973.8	748.1	635.3	574.8
125°	1056.4	1077.5	1161.8	1246.2	1161.8	1077.5	1056.4	912.6	721.0	625.1	572.3
127.5°	986.9	1004.6	1075.8	1147.0	1075.8	1004.6	986.9	863.4	698.9	616.5	570.8
130°	942.9	959.4	1025.1	1090.9	1025.1	959.4	942.9	833.1	686.6	613.3	571.7
132.5°	905.5	920.2	979.2	1038.1	979.2	920.2	905.5	807.2	676.1	610.5	572.3
135°	852.7	865.4	916.2	967.0	916.2	865.4	852.7	770.4	660.5	605.6	571.7
137.5°	813.7	824.1	865.7	907.2	865.7	824.1	813.7	744.1	651.3	604.8	575.2
140°	782.4	792.1	830.9	869.8	830.9	792.1	782.4	722.2	642.1	602.0	575.8
142.5°	760.5	768.9	802.2	835.6	802.2	768.9	760.5	707.7	637.2	602.0	577.9
145°	727.6	733.9	759.2	784.5	759.2	733.9	727.6	684.4	626.7	597.9	578.0
147.5°	699.9	705.1	726.1	747.1	726.1	705.1	699.9	665.8	620.6	597.9	581.9
150°	684.1	688.3	705.3	722.2	705.3	688.3	684.1	655.4	617.0	597.9	584.0
152.5°	671.5	674.7	687.5	700.4	687.5	674.7	671.5	646.9	614.3	597.9	585.4
155°	656.4	658.5	667.0	675.5	667.0	658.5	656.4	636.9	610.9	597.9	588.3
157.5°	643.4	644.8	650.9	656.8	650.9	644.8	643.4	628.2	608.0	597.9	591.3
160°	636.9	637.7	641.2	644.6	641.2	637.7	636.9	623.8	606.6	597.9	592.7
162.5°	630.8	631.6	634.9	638.1	634.9	631.6	630.8	619.9	605.2	597.9	594.2
165°	621.5	622.4	625.7	629.2	625.7	622.4	621.5	613.6	603.1	597.9	596.1
167.5°	617.4	617.8	619.2	620.7	619.2	617.8	617.4	612.3	605.4	602.0	600.5
170°	617.4	617.4	617.4	617.4	617.4	617.4	617.4	612.3	605.4	602.0	601.9
172.5°	614.2	613.9	612.6	611.3	612.6	613.9	614.2	610.1	604.7	602.0	602.0
175°	609.6	609.6	609.6	609.6	609.6	609.6	609.6	607.1	603.6	602.0	602.7
177.5°	608.9	608.5	607.1	605.6	607.1	608.5	608.9	606.8	604.1	602.7	603.3
180°	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6	605.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3527.1	3527.1	3527.1	3527.1	3527.1
2.5°	3483.7	3500.4	3510.5	3523.8	3557.1
5°	3350.2	3413.6	3433.6	3483.7	3543.8
7.5°	3056.6	3250.2	3303.5	3423.7	3517.1
10°	2772.9	2966.5	3060.0	3343.5	3483.7
12.5°	2629.5	2743.0	2806.4	3203.4	3437.0
15°	2539.3	2619.5	2666.1	3016.6	3383.7
17.5°	2469.3	2526.0	2559.4	2833.1	3310.2
20°	2426.0	2452.6	2482.6	2699.6	3226.8
22.5°	2395.9	2379.2	2402.6	2606.1	3113.3
25°	2375.9	2312.5	2339.2	2532.7	2979.9
27.5°	2392.5	2252.4	2262.4	2466.0	2839.7
30°	2395.9	2179.0	2182.3	2395.9	2682.9
32.5°	2372.5	2102.3	2105.6	2309.1	2506.0
35°	2315.8	2012.1	2008.8	2209.0	2265.7
37.5°	2239.0	1915.4	1915.4	2098.9	2002.2
40°	2145.6	1818.6	1828.6	1955.4	1768.6
42.5°	2032.1	1715.1	1728.6	1765.2	1595.1
45°	1908.7	1615.1	1625.0	1491.6	1461.5
47.5°	1771.9	1511.6	1515.0	1238.0	1418.2
50°	1608.4	1404.9	1391.4	1061.1	1414.8
52.5°	1464.9	1288.0	1248.0	961.1	1284.7
55°	1324.8	1164.6	1077.8	884.2	1191.3
57.5°	1201.2	1004.4	921.0	794.2	1171.3
60°	1087.9	847.6	784.2	697.4	1074.4
62.5°	994.4	730.8	717.4	630.6	974.4
65°	894.3	650.7	647.3	574.0	827.5
67.5°	797.5	597.3	594.0	520.5	630.6
70°	694.0	540.6	533.9	463.8	467.2
72.5°	587.3	477.2	470.5	417.1	387.1
75°	480.5	403.8	400.4	363.7	313.6
77.5°	377.0	320.4	327.1	293.6	230.2
80°	270.3	233.6	240.3	210.2	173.5
82.5°	180.2	153.5	160.1	133.5	116.7
85°	100.1	86.8	90.1	70.1	53.3
87.5°	46.7	40.0	40.0	26.7	16.7
90°	17.8	11.3	10.6	7.3	4.0
92.5°	110.3	78.5	71.6	43.9	16.3
95°	271.3	152.8	140.2	89.6	39.0
97.5°	365.5	167.8	156.7	112.0	67.4
100°	399.8	180.4	170.3	129.9	89.4
102.5°	415.5	193.1	183.6	145.9	108.2
105°	427.2	211.8	203.8	171.8	139.8
107.5°	429.3	239.4	231.9	202.1	172.4
110°	426.1	254.9	248.2	221.2	194.2



TEST NUMBER: P934593

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	426.2	273.5	267.1	241.5	215.8
115°	430.2	301.6	295.7	272.0	248.4
117.5°	438.2	328.8	323.4	301.9	280.4
120°	444.7	344.7	339.7	319.4	299.2
122.5°	454.0	363.3	358.2	337.8	317.4
125°	466.6	387.3	382.7	364.0	345.5
127.5°	479.2	410.5	405.7	387.0	368.3
130°	488.4	426.0	420.9	400.6	380.4
132.5°	495.9	438.6	433.5	413.2	393.0
135°	503.9	453.2	448.5	430.2	411.8
137.5°	516.2	471.9	467.4	449.1	430.9
140°	523.7	484.5	480.3	463.5	446.7
142.5°	529.9	493.8	489.9	474.4	458.9
145°	538.1	508.1	504.7	491.1	477.6
147.5°	549.9	525.9	522.7	509.5	496.3
150°	556.2	535.3	532.3	520.4	508.5
152.5°	560.2	541.4	539.1	530.2	521.1
155°	569.2	554.8	553.1	546.4	539.7
157.5°	578.1	568.2	566.6	560.0	553.5
160°	582.2	574.3	573.1	568.0	562.9
162.5°	586.6	580.9	579.9	576.1	572.3
165°	592.7	590.1	589.2	585.9	582.4
167.5°	597.6	595.4	595.1	593.4	591.8
170°	601.7	601.6	601.2	599.5	597.9
172.5°	602.0	602.0	601.9	601.6	601.2
175°	604.4	605.6	605.6	605.6	605.6
177.5°	604.6	605.6	605.6	605.6	605.6
180°	605.6	605.6	605.6	605.6	605.6



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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	16.19	17.26	16.95	18.05	19.00	19.02	20.10	19.79	20.89	21.84
	3H	16.68	17.64	17.46	18.44	19.42	20.39	21.35	21.17	22.15	23.13
	4H	16.88	17.79	17.67	18.59	19.59	20.84	21.75	21.64	22.56	23.55
	6H	17.01	17.85	17.82	18.66	19.67	21.14	21.98	21.95	22.79	23.80
	8H	17.02	17.82	17.83	18.65	19.66	21.22	22.02	22.04	22.85	23.87
	12H	16.99	17.76	17.82	18.58	19.62	21.27	22.03	22.09	22.86	23.90
4H	2H	17.25	18.16	18.05	18.96	19.96	19.46	20.37	20.26	21.17	22.17
	3H	18.29	19.05	19.10	19.89	20.90	20.99	21.74	21.80	22.58	23.60
	4H	18.58	19.27	19.40	20.11	21.15	21.52	22.21	22.35	23.05	24.09
	6H	18.71	19.31	19.56	20.17	21.22	21.90	22.50	22.75	23.36	24.41
	8H	18.73	19.28	19.57	20.14	21.20	22.02	22.57	22.86	23.43	24.49
	12H	18.70	19.20	19.57	20.08	21.15	22.08	22.59	22.95	23.46	24.53
8H	4H	19.05	19.61	19.90	20.46	21.52	21.67	22.22	22.51	23.08	24.14
	6H	19.32	19.78	20.19	20.68	21.74	22.11	22.57	22.99	23.47	24.53
	8H	19.36	19.77	20.25	20.67	21.74	22.27	22.68	23.15	23.57	24.65
	12H	19.36	19.72	20.25	20.60	21.73	22.38	22.74	23.27	23.62	24.75
12H	4H	19.07	19.57	19.93	20.45	21.51	21.64	22.14	22.51	23.02	24.08
	6H	19.38	19.79	20.27	20.69	21.76	22.11	22.52	23.00	23.42	24.49
	8H	19.46	19.82	20.35	20.71	21.83	22.28	22.65	23.17	23.53	24.66