

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: P934467

Luminaire Tested: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

**Test Information**

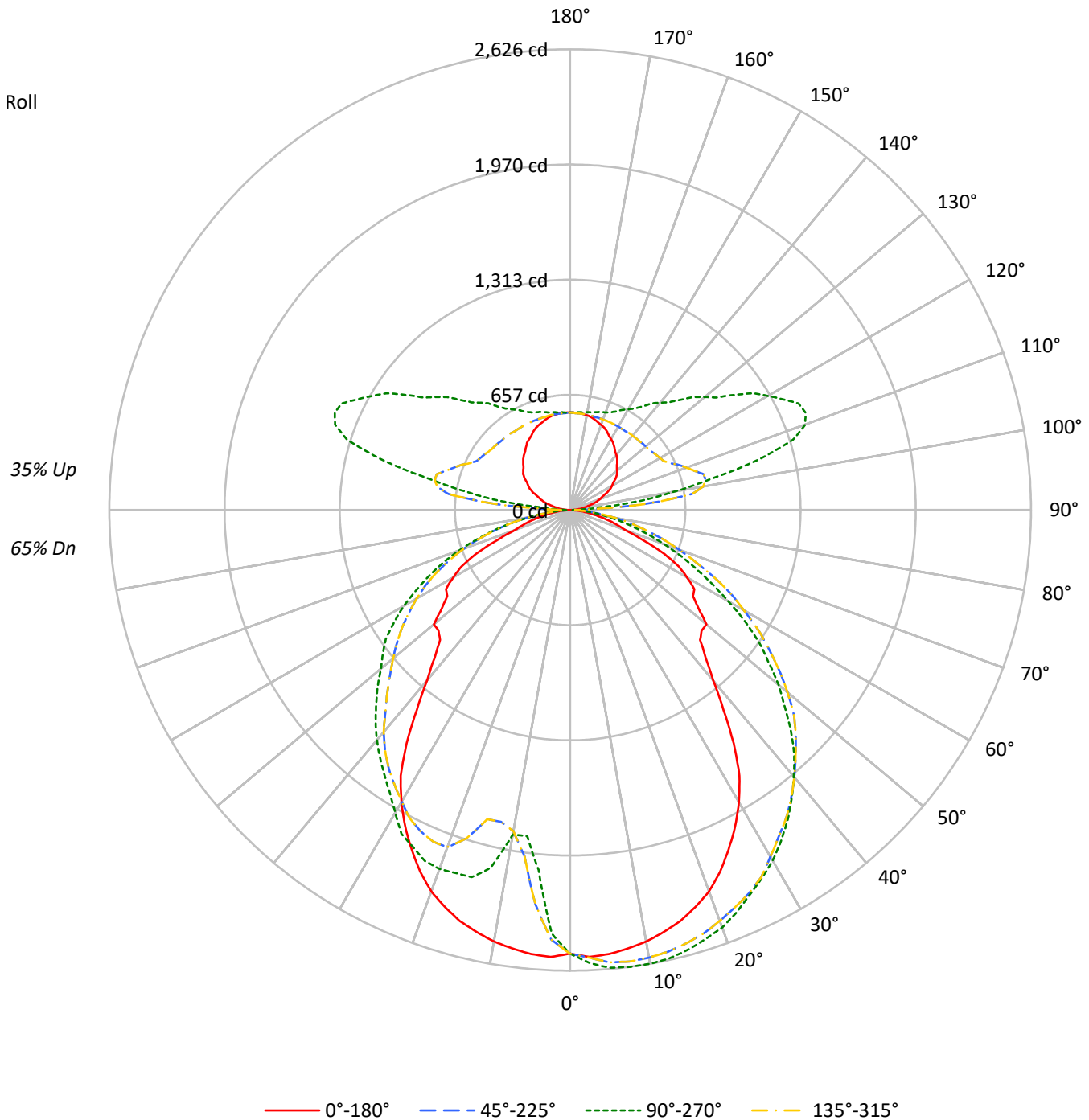
Test Method: LM-79-2019  
Report Number: P934467  
REPORT IS A COMBINATION OF REPORTS P933700 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10161.3 lumens  
Efficiency: N/A  
Efficacy: 112.4 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: P934467  
CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-4000K

### Luminous Intensity Polar Plot





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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	11730	11730	11730	11730
5°	11818	11841	11818	9310
10°	11738	11663	11738	8339
15°	11611	11411	11611	9528
20°	11368	11112	11368	9548
25°	10871	10675	10871	9346
30°	10228	10313	10228	8902
35°	9118	9854	9118	8413
40°	7598	9314	7598	8045
45°	6789	8682	6789	7621
50°	7212	7929	7212	7195
55°	6786	7117	6786	6949
60°	6995	6045	6995	6364
65°	6342	4997	6342	5585
70°	4391	3982	4391	4682
75°	3850	2944	3850	3525
80°	3104	1945	3104	2119
85°	1784	1031	1784	876

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10405 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.2	2.2
10°-20°	648.0	6.4
20°-30°	1001.6	9.9
30°-40°	1195.7	11.8
40°-50°	1202.7	11.8
50°-60°	1046.5	10.3
60°-70°	742.0	7.3
70°-80°	392.6	3.9
80°-90°	99.9	1.0
90°-100°	271.0	2.7
100°-110°	712.5	7.0
110°-120°	738.8	7.3
120°-130°	592.6	5.8
130°-140°	465.0	4.6
140°-150°	356.9	3.5
150°-160°	257.0	2.5
160°-170°	157.3	1.5
170°-180°	53.1	0.5
0°-30°	1877.8	18.5
0°-40°	3073.5	30.2
0°-60°	5322.8	52.4
0°-90°	6557.3	64.5
90°-120°	1722.2	16.9
90°-150°	3136.7	30.9
90°-180°	3604.0	35.5
0°-180°	10161.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2528	2528	2528	2528	2528	
5°	2540	2619	2540	2059	2540	241
15°	2425	2595	2425	2167	2425	682
25°	2136	2421	2136	2119	2136	981
35°	1624	2160	1624	1844	1624	1005
45°	1048	1780	1048	1562	1048	839
55°	854	1313	854	1282	854	785
65°	593	792	593	885	593	567
75°	225	376	225	450	225	236
85°	38	96	38	81	38	52
90°	4	14	4	14	4	5
95°	36	164	36	164	36	40
105°	128	1116	128	1116	128	136
115°	228	1436	228	1436	228	225
125°	317	1144	317	1144	317	282
135°	378	888	378	888	378	292
145°	438	720	438	720	438	275
155°	496	620	496	620	496	228
165°	535	578	535	578	535	151
175°	556	560	556	560	556	53
180°	556	556	556	556	556	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2549.7	2549.7	2564.0	2568.8	2568.8	2561.7	2554.5	2561.7	2583.2	2590.4	2588.0
5°	2540.2	2559.3	2585.6	2590.4	2595.2	2592.7	2588.0	2592.7	2616.7	2621.5	2623.9
7.5°	2521.1	2556.9	2590.4	2597.5	2604.8	2597.5	2595.2	2600.0	2623.9	2628.7	2628.7
10°	2497.1	2547.3	2585.6	2590.4	2597.5	2590.4	2590.4	2600.0	2623.9	2628.7	2631.0
12.5°	2463.6	2533.0	2568.8	2573.6	2583.2	2580.8	2578.4	2588.0	2611.9	2616.7	2616.7
15°	2425.4	2506.7	2540.2	2545.0	2561.7	2556.9	2556.9	2566.5	2592.7	2600.0	2597.5
17.5°	2372.7	2473.2	2511.5	2518.6	2530.6	2528.2	2530.6	2540.2	2564.0	2568.8	2571.3
20°	2313.0	2427.7	2473.2	2480.3	2492.4	2492.4	2492.4	2504.3	2528.2	2537.8	2537.8
22.5°	2231.6	2379.9	2427.7	2432.5	2446.8	2446.8	2451.6	2468.4	2489.9	2492.4	2492.4
25°	2135.9	2327.3	2367.9	2382.3	2396.7	2403.8	2411.0	2420.6	2427.7	2425.4	2427.7
27.5°	2035.4	2260.3	2313.0	2322.5	2341.7	2348.8	2358.4	2360.8	2363.2	2370.3	2365.5
30°	1923.0	2167.0	2246.0	2255.6	2286.6	2291.4	2281.8	2286.6	2298.6	2303.4	2308.2
32.5°	1796.3	2028.3	2176.6	2198.1	2226.8	2212.5	2210.0	2217.3	2236.4	2236.4	2241.2
35°	1624.0	1920.7	2112.0	2131.1	2152.7	2135.9	2145.5	2147.9	2159.9	2167.0	2164.6
37.5°	1435.1	1827.3	2045.0	2059.4	2076.2	2054.6	2068.9	2076.2	2085.7	2081.0	2081.0
40°	1267.7	1681.5	1966.1	1975.7	1990.0	1973.3	1987.6	1992.4	1997.2	1992.4	1990.0
42.5°	1143.3	1521.2	1882.4	1894.3	1884.8	1896.8	1901.6	1911.1	1903.9	1894.3	1894.3
45°	1047.6	1478.1	1791.5	1805.9	1791.5	1810.7	1817.8	1817.8	1796.3	1791.5	1789.1
47.5°	1016.6	1392.0	1700.6	1700.6	1693.5	1717.4	1729.3	1712.6	1691.0	1683.9	1683.9
50°	1014.1	1296.4	1576.2	1566.7	1600.1	1628.8	1616.9	1600.1	1583.4	1557.1	1557.1
52.5°	920.9	1179.2	1415.9	1451.9	1504.5	1521.2	1502.1	1485.4	1456.7	1444.7	1435.1
55°	853.9	1057.2	1270.1	1341.8	1396.8	1418.4	1382.5	1365.8	1322.7	1315.6	1310.8
57.5°	839.5	880.2	1136.2	1227.0	1294.0	1291.6	1270.1	1239.0	1203.1	1195.9	1193.5
60°	770.2	636.2	992.6	1100.2	1169.6	1162.4	1143.3	1114.6	1081.1	1076.3	1071.5
62.5°	698.4	461.6	829.9	952.0	1050.0	1047.6	1030.9	987.8	963.9	952.0	942.4
65°	593.2	387.5	590.8	791.7	932.9	937.6	901.7	870.7	844.3	829.9	827.6
67.5°	452.0	315.7	399.4	660.1	820.4	815.6	770.2	755.8	722.3	715.2	700.8
70°	334.8	210.4	277.4	535.8	710.4	698.4	662.6	645.8	614.7	597.9	588.4
72.5°	277.4	169.8	203.3	416.2	597.9	583.6	552.5	533.4	507.1	492.7	483.2
75°	224.8	179.4	155.5	308.6	485.5	476.0	447.2	428.1	406.6	387.5	389.9
77.5°	165.0	167.5	124.4	227.2	385.1	370.8	354.0	330.1	320.5	301.4	301.4
80°	124.4	131.5	93.3	155.5	277.4	277.4	263.1	246.4	229.6	220.0	220.0
82.5°	83.7	83.7	69.3	98.0	189.0	181.8	172.3	167.5	157.9	153.1	153.1
85°	38.3	47.8	43.1	59.8	102.8	107.6	107.6	102.8	100.5	95.7	98.0
87.5°	11.9	21.5	26.3	33.5	52.6	55.0	57.4	57.4	57.4	59.8	59.8
90°	3.7	6.7	9.7	10.4	16.4	24.3	28.3	25.2	18.9	14.2	14.2
92.5°	14.9	40.3	65.7	72.1	101.3	140.2	159.7	139.9	100.5	70.9	68.1
95°	35.8	82.3	128.7	140.3	249.1	394.2	466.8	416.6	316.1	240.7	232.2
97.5°	61.9	102.8	143.8	154.1	335.5	577.5	698.5	666.7	603.2	555.6	539.3
100°	82.1	119.2	156.3	165.6	367.0	635.5	769.7	772.1	776.7	780.2	760.8
102.5°	99.3	134.0	168.5	177.2	381.4	653.8	789.9	830.4	911.3	972.0	955.4
105°	128.4	157.7	187.1	194.4	392.2	655.9	787.7	878.4	1059.9	1195.9	1186.9
107.5°	158.2	185.6	212.9	219.8	394.1	626.6	742.9	869.4	1122.5	1312.3	1314.5
110°	178.3	203.0	227.8	234.0	391.2	600.8	705.6	847.0	1129.9	1342.1	1351.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	198.1	221.7	245.2	251.1	391.3	578.2	671.6	816.4	1105.9	1323.1	1337.4
115°	228.0	249.7	271.5	276.9	394.9	552.3	631.0	770.5	1049.4	1258.5	1278.3
117.5°	257.4	277.2	296.9	301.9	402.3	536.0	602.9	728.8	980.6	1169.4	1191.3
120°	274.6	293.2	311.8	316.4	408.2	530.6	591.8	706.7	936.8	1109.3	1130.5
122.5°	291.4	310.1	328.8	333.6	416.7	527.7	583.2	686.7	893.9	1049.3	1070.3
125°	317.2	334.2	351.3	355.5	428.3	525.4	573.9	661.9	837.8	969.8	989.2
127.5°	338.1	355.3	372.5	376.8	439.9	524.0	566.0	641.6	792.6	906.0	922.3
130°	349.2	367.8	386.4	391.0	448.3	524.8	563.0	630.3	764.8	865.6	880.7
132.5°	360.8	379.4	398.0	402.6	455.2	525.4	560.5	620.7	741.1	831.3	844.8
135°	378.0	394.9	411.8	416.0	462.6	524.8	555.9	606.4	707.2	782.8	794.5
137.5°	395.6	412.3	429.0	433.2	473.9	528.1	555.2	597.9	683.1	747.0	756.5
140°	410.0	425.5	440.9	444.8	480.7	528.6	552.6	589.4	663.0	718.2	727.1
142.5°	421.3	435.5	449.8	453.3	486.4	530.5	552.6	584.9	649.6	698.2	705.8
145°	438.5	450.9	463.4	466.4	493.9	530.6	548.9	575.3	628.3	667.9	673.7
147.5°	455.6	467.7	479.8	482.8	504.8	534.2	548.9	569.7	611.3	642.5	647.3
150°	466.8	477.7	488.7	491.4	510.6	536.1	548.9	566.4	601.7	628.0	631.9
152.5°	478.4	486.7	494.9	497.0	514.3	537.4	548.9	563.9	593.9	616.4	619.4
155°	495.5	501.6	507.8	509.3	522.5	540.1	548.9	560.8	584.6	602.6	604.6
157.5°	508.2	514.1	520.1	521.6	530.7	542.8	548.9	558.1	576.7	590.6	592.0
160°	516.8	521.5	526.1	527.3	534.5	544.1	548.9	556.9	572.7	584.6	585.5
162.5°	525.4	528.9	532.3	533.2	538.5	545.5	548.9	555.6	569.1	579.1	579.8
165°	534.7	537.8	540.9	541.7	544.1	547.3	548.9	553.7	563.3	570.5	571.3
167.5°	543.3	544.7	546.3	546.6	548.6	551.2	552.6	555.8	562.1	566.8	567.2
170°	548.9	550.3	551.9	552.2	552.3	552.5	552.6	555.8	562.1	566.8	566.8
172.5°	551.9	552.2	552.5	552.6	552.6	552.6	552.6	555.1	560.1	563.8	563.6
175°	555.9	555.9	555.9	555.9	554.9	553.3	552.6	554.1	557.3	559.7	559.7
177.5°	555.9	555.9	555.9	555.9	555.0	553.9	553.3	554.6	557.0	558.9	558.6
180°	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2592.7	2585.6	2592.7	2588.0	2590.4	2583.2	2561.7	2554.5	2561.7	2568.8	2568.8
5°	2623.9	2619.1	2623.9	2623.9	2621.5	2616.7	2592.7	2588.0	2592.7	2595.2	2590.4
7.5°	2633.5	2626.2	2633.5	2628.7	2628.7	2623.9	2600.0	2595.2	2597.5	2604.8	2597.5
10°	2633.5	2626.2	2633.5	2631.0	2628.7	2623.9	2600.0	2590.4	2590.4	2597.5	2590.4
12.5°	2621.5	2616.7	2621.5	2616.7	2616.7	2611.9	2588.0	2578.4	2580.8	2583.2	2573.6
15°	2602.3	2595.2	2602.3	2597.5	2600.0	2592.7	2566.5	2556.9	2556.9	2561.7	2545.0
17.5°	2573.6	2564.0	2573.6	2571.3	2568.8	2564.0	2540.2	2530.6	2528.2	2530.6	2518.6
20°	2540.2	2533.0	2540.2	2537.8	2537.8	2528.2	2504.3	2492.4	2492.4	2492.4	2480.3
22.5°	2487.6	2480.3	2487.6	2492.4	2492.4	2489.9	2468.4	2451.6	2446.8	2446.8	2432.5
25°	2427.7	2420.6	2427.7	2427.7	2425.4	2427.7	2420.6	2411.0	2403.8	2396.7	2382.3
27.5°	2370.3	2365.5	2370.3	2365.5	2370.3	2363.2	2360.8	2358.4	2348.8	2341.7	2322.5
30°	2313.0	2308.2	2313.0	2308.2	2303.4	2298.6	2286.6	2281.8	2291.4	2286.6	2255.6
32.5°	2241.2	2236.4	2241.2	2241.2	2236.4	2236.4	2217.3	2210.0	2212.5	2226.8	2198.1
35°	2167.0	2159.9	2167.0	2164.6	2167.0	2159.9	2147.9	2145.5	2135.9	2152.7	2131.1
37.5°	2081.0	2073.7	2081.0	2081.0	2081.0	2085.7	2076.2	2068.9	2054.6	2076.2	2059.4
40°	1992.4	1982.8	1992.4	1990.0	1992.4	1997.2	1992.4	1987.6	1973.3	1990.0	1975.7
42.5°	1892.0	1889.6	1892.0	1894.3	1894.3	1903.9	1911.1	1901.6	1896.8	1884.8	1894.3
45°	1784.3	1779.5	1784.3	1789.1	1791.5	1796.3	1817.8	1817.8	1810.7	1791.5	1805.9
47.5°	1669.5	1657.5	1669.5	1683.9	1683.9	1691.0	1712.6	1729.3	1717.4	1693.5	1700.6
50°	1547.6	1549.9	1547.6	1557.1	1557.1	1583.4	1600.1	1616.9	1628.8	1600.1	1566.7
52.5°	1428.0	1425.5	1428.0	1435.1	1444.7	1456.7	1485.4	1502.1	1521.2	1504.5	1451.9
55°	1308.3	1313.1	1308.3	1310.8	1315.6	1322.7	1365.8	1382.5	1418.4	1396.8	1341.8
57.5°	1188.7	1181.6	1188.7	1193.5	1195.9	1203.1	1239.0	1270.1	1291.6	1294.0	1227.0
60°	1050.0	1040.5	1050.0	1071.5	1076.3	1081.1	1114.6	1143.3	1162.4	1169.6	1100.2
62.5°	928.1	911.3	928.1	942.4	952.0	963.9	987.8	1030.9	1047.6	1050.0	952.0
65°	798.9	791.7	798.9	827.6	829.9	844.3	870.7	901.7	937.6	932.9	791.7
67.5°	681.7	681.7	681.7	700.8	715.2	722.3	755.8	770.2	815.6	820.4	660.1
70°	574.1	571.7	574.1	588.4	597.9	614.7	645.8	662.6	698.4	710.4	535.8
72.5°	471.2	468.8	471.2	483.2	492.7	507.1	533.4	552.5	583.6	597.9	416.2
75°	380.3	375.6	380.3	389.9	387.5	406.6	428.1	447.2	476.0	485.5	308.6
77.5°	291.8	291.8	291.8	301.4	301.4	320.5	330.1	354.0	370.8	385.1	227.2
80°	217.7	215.2	217.7	220.0	220.0	229.6	246.4	263.1	277.4	277.4	155.5
82.5°	153.1	148.3	153.1	153.1	153.1	157.9	167.5	172.3	181.8	189.0	98.0
85°	95.7	95.7	95.7	98.0	95.7	100.5	102.8	107.6	107.6	102.8	59.8
87.5°	62.2	59.8	62.2	59.8	59.8	57.4	57.4	57.4	55.0	52.6	33.5
90°	14.2	14.2	14.2	14.2	14.2	18.9	25.2	28.3	24.3	16.4	10.4
92.5°	56.8	45.5	56.8	68.1	70.9	100.5	139.9	159.7	140.2	101.3	72.1
95°	198.0	163.8	198.0	232.2	240.7	316.1	416.6	466.8	394.2	249.1	140.3
97.5°	474.3	409.3	474.3	539.3	555.6	603.2	666.7	698.5	577.5	335.5	154.1
100°	683.4	605.9	683.4	760.8	780.2	776.7	772.1	769.7	635.5	367.0	165.6
102.5°	889.0	822.7	889.0	955.4	972.0	911.3	830.4	789.9	653.8	381.4	177.2
105°	1151.3	1115.6	1151.3	1186.9	1195.9	1059.9	878.4	787.7	655.9	392.2	194.4
107.5°	1323.1	1331.7	1323.1	1314.5	1312.3	1122.5	869.4	742.9	626.6	394.1	219.8
110°	1388.5	1425.7	1388.5	1351.4	1342.1	1129.9	847.0	705.6	600.8	391.2	234.0





TEST NUMBER: P934467

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1394.4	1451.4	1394.4	1337.4	1323.1	1105.9	816.4	671.6	578.2	391.3	251.1
115°	1357.4	1436.5	1357.4	1278.3	1258.5	1049.4	770.5	631.0	552.3	394.9	276.9
117.5°	1279.1	1366.8	1279.1	1191.3	1169.4	980.6	728.8	602.9	536.0	402.3	301.9
120°	1215.8	1301.1	1215.8	1130.5	1109.3	936.8	706.7	591.8	530.6	408.2	316.4
122.5°	1154.4	1238.4	1154.4	1070.3	1049.3	893.9	686.7	583.2	527.7	416.7	333.6
125°	1066.6	1144.0	1066.6	989.2	969.8	837.8	661.9	573.9	525.4	428.3	355.5
127.5°	987.6	1053.0	987.6	922.3	906.0	792.6	641.6	566.0	524.0	439.9	376.8
130°	941.1	1001.5	941.1	880.7	865.6	764.8	630.3	563.0	524.8	448.3	391.0
132.5°	898.9	953.0	898.9	844.8	831.3	741.1	620.7	560.5	525.4	455.2	402.6
135°	841.1	887.7	841.1	794.5	782.8	707.2	606.4	555.9	524.8	462.6	416.0
137.5°	794.7	832.8	794.7	756.5	747.0	683.1	597.9	555.2	528.1	473.9	433.2
140°	762.8	798.4	762.8	727.1	718.2	663.0	589.4	552.6	528.6	480.7	444.8
142.5°	736.4	767.1	736.4	705.8	698.2	649.6	584.9	552.6	530.5	486.4	453.3
145°	697.0	720.1	697.0	673.7	667.9	628.3	575.3	548.9	530.6	493.9	466.4
147.5°	666.6	685.8	666.6	647.3	642.5	611.3	569.7	548.9	534.2	504.8	482.8
150°	647.5	663.0	647.5	631.9	628.0	601.7	566.4	548.9	536.1	510.6	491.4
152.5°	631.2	642.9	631.2	619.4	616.4	593.9	563.9	548.9	537.4	514.3	497.0
155°	612.3	620.1	612.3	604.6	602.6	584.6	560.8	548.9	540.1	522.5	509.3
157.5°	597.5	602.9	597.5	592.0	590.6	576.7	558.1	548.9	542.8	530.7	521.6
160°	588.6	591.8	588.6	585.5	584.6	572.7	556.9	548.9	544.1	534.5	527.3
162.5°	582.8	585.8	582.8	579.8	579.1	569.1	555.6	548.9	545.5	538.5	533.2
165°	574.4	577.6	574.4	571.3	570.5	563.3	553.7	548.9	547.3	544.1	541.7
167.5°	568.4	569.8	568.4	567.2	566.8	562.1	555.8	552.6	551.2	548.6	546.6
170°	566.8	566.8	566.8	566.8	566.8	562.1	555.8	552.6	552.5	552.3	552.2
172.5°	562.4	561.2	562.4	563.6	563.8	560.1	555.1	552.6	552.6	552.6	552.6
175°	559.7	559.7	559.7	559.7	559.7	557.3	554.1	552.6	553.3	554.9	555.9
177.5°	557.3	555.9	557.3	558.6	558.9	557.0	554.6	553.3	553.9	555.0	555.9
180°	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9



TEST NUMBER: P934467

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2564.0	2549.7	2549.7	2525.9	2516.3	2509.1	2497.1	2461.2	2451.6	2442.1	2456.4
5°	2585.6	2559.3	2540.2	2497.1	2461.2	2446.8	2401.4	2315.3	2257.9	2214.8	2190.9
7.5°	2590.4	2556.9	2521.1	2454.1	2367.9	2329.7	2190.9	2033.1	1990.0	1951.8	1927.8
10°	2585.6	2547.3	2497.1	2396.7	2193.3	2126.4	1987.6	1884.8	1858.5	1851.3	1858.5
12.5°	2568.8	2533.0	2463.6	2296.2	2011.5	1966.1	1884.8	1825.0	1820.2	1832.1	1896.8
15°	2540.2	2506.7	2425.4	2162.2	1911.1	1877.6	1820.2	1798.6	1825.0	1908.7	2102.4
17.5°	2511.5	2473.2	2372.7	2030.7	1834.6	1810.7	1770.0	1813.0	1961.3	2073.7	2138.4
20°	2473.2	2427.7	2313.0	1935.1	1779.5	1758.0	1738.9	1932.6	2045.0	2085.7	2121.6
22.5°	2427.7	2379.9	2231.6	1868.1	1722.2	1705.4	1717.4	1999.6	2045.0	2073.7	2104.9
25°	2367.9	2327.3	2135.9	1815.4	1676.7	1657.5	1703.0	1992.4	2018.7	2025.9	2088.1
27.5°	2313.0	2260.3	2035.4	1767.6	1621.7	1614.5	1715.0	1961.3	1980.5	1987.6	2054.6
30°	2246.0	2167.0	1923.0	1717.4	1564.3	1561.9	1717.4	1923.0	1918.3	1937.4	2004.4
32.5°	2176.6	2028.3	1796.3	1655.2	1509.3	1506.9	1700.6	1865.6	1860.8	1887.2	1937.4
35°	2112.0	1920.7	1624.0	1583.4	1439.9	1442.3	1660.0	1798.6	1801.1	1825.0	1856.1
37.5°	2045.0	1827.3	1435.1	1504.5	1372.9	1372.9	1604.9	1736.5	1731.8	1738.9	1781.9
40°	1966.1	1681.5	1267.7	1401.6	1310.8	1303.5	1538.0	1669.5	1652.7	1650.4	1710.2
42.5°	1882.4	1521.2	1143.3	1265.3	1239.0	1229.4	1456.7	1588.2	1557.1	1564.3	1640.8
45°	1791.5	1478.1	1047.6	1069.2	1164.9	1157.7	1368.2	1494.9	1473.4	1492.5	1571.5
47.5°	1700.6	1392.0	1016.6	887.4	1085.9	1083.5	1270.1	1404.0	1392.0	1411.2	1494.9
50°	1576.2	1296.4	1014.1	760.6	997.4	1007.0	1152.9	1315.6	1315.6	1332.3	1420.7
52.5°	1415.9	1179.2	920.9	688.8	894.6	923.3	1050.0	1239.0	1243.8	1260.5	1339.5
55°	1270.1	1057.2	853.9	633.9	772.6	834.7	949.6	1160.1	1169.6	1186.4	1258.1
57.5°	1136.2	880.2	839.5	569.3	660.1	720.0	861.1	1083.5	1088.3	1102.7	1172.0
60°	992.6	636.2	770.2	499.9	562.1	607.5	779.7	992.6	1009.3	1018.9	1078.8
62.5°	829.9	461.6	698.4	452.0	514.2	523.8	712.8	906.5	928.1	935.2	971.1
65°	590.8	387.5	593.2	411.4	464.0	466.4	641.0	818.0	837.2	849.1	875.4
67.5°	399.4	315.7	452.0	373.1	425.8	428.1	571.7	715.2	741.5	751.0	767.8
70°	277.4	210.4	334.8	332.5	382.7	387.5	497.5	621.8	645.8	653.0	662.6
72.5°	203.3	169.8	277.4	299.0	337.3	342.1	421.0	516.7	540.6	547.7	552.5
75°	155.5	179.4	224.8	260.7	287.0	289.4	344.4	421.0	437.7	442.5	444.9
77.5°	124.4	167.5	165.0	210.4	234.4	229.6	270.3	325.3	339.6	339.6	339.6
80°	93.3	131.5	124.4	150.7	172.3	167.5	193.7	232.0	236.8	241.6	239.1
82.5°	69.3	83.7	83.7	95.7	114.8	110.1	129.2	150.7	150.7	150.7	155.5
85°	43.1	47.8	38.3	50.2	64.5	62.2	71.8	81.3	83.7	83.7	78.9
87.5°	26.3	21.5	11.9	19.1	28.7	28.7	33.5	35.8	33.5	33.5	33.5
90°	9.7	6.7	3.7	6.7	9.7	10.4	16.4	24.3	28.3	25.2	18.9
92.5°	65.7	40.3	14.9	40.3	65.7	72.1	101.3	140.2	159.7	139.9	100.5
95°	128.7	82.3	35.8	82.3	128.7	140.3	249.1	394.2	466.8	416.6	316.1
97.5°	143.8	102.8	61.9	102.8	143.8	154.1	335.5	577.5	698.5	666.7	603.2
100°	156.3	119.2	82.1	119.2	156.3	165.6	367.0	635.5	769.7	772.1	776.7
102.5°	168.5	134.0	99.3	134.0	168.5	177.2	381.4	653.8	789.9	830.4	911.3
105°	187.1	157.7	128.4	157.7	187.1	194.4	392.2	655.9	787.7	878.4	1059.9
107.5°	212.9	185.6	158.2	185.6	212.9	219.8	394.1	626.6	742.9	869.4	1122.5
110°	227.8	203.0	178.3	203.0	227.8	234.0	391.2	600.8	705.6	847.0	1129.9



TEST NUMBER: P934467

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	245.2	221.7	198.1	221.7	245.2	251.1	391.3	578.2	671.6	816.4	1105.9
115°	271.5	249.7	228.0	249.7	271.5	276.9	394.9	552.3	631.0	770.5	1049.4
117.5°	296.9	277.2	257.4	277.2	296.9	301.9	402.3	536.0	602.9	728.8	980.6
120°	311.8	293.2	274.6	293.2	311.8	316.4	408.2	530.6	591.8	706.7	936.8
122.5°	328.8	310.1	291.4	310.1	328.8	333.6	416.7	527.7	583.2	686.7	893.9
125°	351.3	334.2	317.2	334.2	351.3	355.5	428.3	525.4	573.9	661.9	837.8
127.5°	372.5	355.3	338.1	355.3	372.5	376.8	439.9	524.0	566.0	641.6	792.6
130°	386.4	367.8	349.2	367.8	386.4	391.0	448.3	524.8	563.0	630.3	764.8
132.5°	398.0	379.4	360.8	379.4	398.0	402.6	455.2	525.4	560.5	620.7	741.1
135°	411.8	394.9	378.0	394.9	411.8	416.0	462.6	524.8	555.9	606.4	707.2
137.5°	429.0	412.3	395.6	412.3	429.0	433.2	473.9	528.1	555.2	597.9	683.1
140°	440.9	425.5	410.0	425.5	440.9	444.8	480.7	528.6	552.6	589.4	663.0
142.5°	449.8	435.5	421.3	435.5	449.8	453.3	486.4	530.5	552.6	584.9	649.6
145°	463.4	450.9	438.5	450.9	463.4	466.4	493.9	530.6	548.9	575.3	628.3
147.5°	479.8	467.7	455.6	467.7	479.8	482.8	504.8	534.2	548.9	569.7	611.3
150°	488.7	477.7	466.8	477.7	488.7	491.4	510.6	536.1	548.9	566.4	601.7
152.5°	494.9	486.7	478.4	486.7	494.9	497.0	514.3	537.4	548.9	563.9	593.9
155°	507.8	501.6	495.5	501.6	507.8	509.3	522.5	540.1	548.9	560.8	584.6
157.5°	520.1	514.1	508.2	514.1	520.1	521.6	530.7	542.8	548.9	558.1	576.7
160°	526.1	521.5	516.8	521.5	526.1	527.3	534.5	544.1	548.9	556.9	572.7
162.5°	532.3	528.9	525.4	528.9	532.3	533.2	538.5	545.5	548.9	555.6	569.1
165°	540.9	537.8	534.7	537.8	540.9	541.7	544.1	547.3	548.9	553.7	563.3
167.5°	546.3	544.7	543.3	544.7	546.3	546.6	548.6	551.2	552.6	555.8	562.1
170°	551.9	550.3	548.9	550.3	551.9	552.2	552.3	552.5	552.6	555.8	562.1
172.5°	552.5	552.2	551.9	552.2	552.5	552.6	552.6	552.6	552.6	555.1	560.1
175°	555.9	555.9	555.9	555.9	555.9	555.9	554.9	553.3	552.6	554.1	557.3
177.5°	555.9	555.9	555.9	555.9	555.9	555.9	555.0	553.9	553.3	554.6	557.0
180°	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9



TEST NUMBER: P934467

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2439.7	2432.5	2442.1	2415.8	2442.1	2432.5	2439.7	2456.4	2442.1	2451.6	2461.2
5°	2140.7	2128.8	2090.5	2059.4	2090.5	2128.8	2140.7	2190.9	2214.8	2257.9	2315.3
7.5°	1913.5	1903.9	1894.3	1875.2	1894.3	1903.9	1913.5	1927.8	1951.8	1990.0	2033.1
10°	1863.3	1865.6	1880.0	1877.6	1880.0	1865.6	1863.3	1858.5	1851.3	1858.5	1884.8
12.5°	1992.4	2014.0	2092.9	2088.1	2092.9	2014.0	1992.4	1896.8	1832.1	1820.2	1825.0
15°	2140.7	2147.9	2164.6	2167.0	2164.6	2147.9	2140.7	2102.4	1908.7	1825.0	1798.6
17.5°	2155.1	2157.5	2169.4	2169.4	2169.4	2157.5	2155.1	2138.4	2073.7	1961.3	1813.0
20°	2143.1	2147.9	2171.8	2176.6	2171.8	2147.9	2143.1	2121.6	2085.7	2045.0	1932.6
22.5°	2138.4	2147.9	2167.0	2164.6	2167.0	2147.9	2138.4	2104.9	2073.7	2045.0	1999.6
25°	2114.4	2114.4	2116.8	2119.2	2116.8	2114.4	2114.4	2088.1	2025.9	2018.7	1992.4
27.5°	2064.2	2068.9	2083.3	2081.0	2083.3	2068.9	2064.2	2054.6	1987.6	1980.5	1961.3
30°	2018.7	2014.0	2001.9	1992.4	2001.9	2014.0	2018.7	2004.4	1937.4	1918.3	1923.0
32.5°	1942.2	1930.3	1918.3	1911.1	1918.3	1930.3	1942.2	1937.4	1887.2	1860.8	1865.6
35°	1851.3	1853.7	1851.3	1844.1	1851.3	1853.7	1851.3	1856.1	1825.0	1801.1	1798.6
37.5°	1786.7	1791.5	1789.1	1779.5	1789.1	1791.5	1786.7	1781.9	1738.9	1731.8	1736.5
40°	1719.7	1722.2	1719.7	1712.6	1719.7	1722.2	1719.7	1710.2	1650.4	1652.7	1669.5
42.5°	1655.2	1652.7	1645.6	1640.8	1645.6	1652.7	1655.2	1640.8	1564.3	1557.1	1588.2
45°	1581.0	1583.4	1569.1	1561.9	1569.1	1583.4	1581.0	1571.5	1492.5	1473.4	1494.9
47.5°	1506.9	1506.9	1494.9	1487.7	1494.9	1506.9	1506.9	1494.9	1411.2	1392.0	1404.0
50°	1428.0	1425.5	1408.8	1406.4	1408.8	1425.5	1428.0	1420.7	1332.3	1315.6	1315.6
52.5°	1337.0	1337.0	1339.5	1344.3	1339.5	1337.0	1337.0	1339.5	1260.5	1243.8	1239.0
55°	1258.1	1260.5	1277.3	1282.1	1277.3	1260.5	1258.1	1258.1	1186.4	1169.6	1160.1
57.5°	1176.8	1176.8	1188.7	1188.7	1188.7	1176.8	1176.8	1172.0	1102.7	1088.3	1083.5
60°	1083.5	1088.3	1097.9	1095.5	1097.9	1088.3	1083.5	1078.8	1018.9	1009.3	992.6
62.5°	985.4	990.2	992.6	987.8	992.6	990.2	985.4	971.1	935.2	928.1	906.5
65°	882.6	887.4	889.8	885.0	889.8	887.4	882.6	875.4	849.1	837.2	818.0
67.5°	777.4	775.0	772.6	782.1	772.6	775.0	777.4	767.8	751.0	741.5	715.2
70°	669.7	669.7	667.3	672.1	667.3	669.7	669.7	662.6	653.0	645.8	621.8
72.5°	555.0	552.5	562.1	555.0	562.1	552.5	555.0	552.5	547.7	540.6	516.7
75°	442.5	447.2	442.5	449.7	442.5	447.2	442.5	444.9	442.5	437.7	421.0
77.5°	337.3	342.1	337.3	337.3	337.3	342.1	337.3	339.6	339.6	339.6	325.3
80°	239.1	236.8	236.8	234.4	236.8	236.8	239.1	239.1	241.6	236.8	232.0
82.5°	153.1	150.7	150.7	155.5	150.7	150.7	153.1	155.5	150.7	150.7	150.7
85°	83.7	86.1	81.3	81.3	81.3	86.1	83.7	78.9	83.7	83.7	81.3
87.5°	31.1	28.7	28.7	28.7	28.7	28.7	31.1	33.5	33.5	33.5	35.8
90°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	18.9	25.2	28.3	24.3
92.5°	70.9	68.1	56.8	45.5	56.8	68.1	70.9	100.5	139.9	159.7	140.2
95°	240.7	232.2	198.0	163.8	198.0	232.2	240.7	316.1	416.6	466.8	394.2
97.5°	555.6	539.3	474.3	409.3	474.3	539.3	555.6	603.2	666.7	698.5	577.5
100°	780.2	760.8	683.4	605.9	683.4	760.8	780.2	776.7	772.1	769.7	635.5
102.5°	972.0	955.4	889.0	822.7	889.0	955.4	972.0	911.3	830.4	789.9	653.8
105°	1195.9	1186.9	1151.3	1115.6	1151.3	1186.9	1195.9	1059.9	878.4	787.7	655.9
107.5°	1312.3	1314.5	1323.1	1331.7	1323.1	1314.5	1312.3	1122.5	869.4	742.9	626.6
110°	1342.1	1351.4	1388.5	1425.7	1388.5	1351.4	1342.1	1129.9	847.0	705.6	600.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1323.1	1337.4	1394.4	1451.4	1394.4	1337.4	1323.1	1105.9	816.4	671.6	578.2
115°	1258.5	1278.3	1357.4	1436.5	1357.4	1278.3	1258.5	1049.4	770.5	631.0	552.3
117.5°	1169.4	1191.3	1279.1	1366.8	1279.1	1191.3	1169.4	980.6	728.8	602.9	536.0
120°	1109.3	1130.5	1215.8	1301.1	1215.8	1130.5	1109.3	936.8	706.7	591.8	530.6
122.5°	1049.3	1070.3	1154.4	1238.4	1154.4	1070.3	1049.3	893.9	686.7	583.2	527.7
125°	969.8	989.2	1066.6	1144.0	1066.6	989.2	969.8	837.8	661.9	573.9	525.4
127.5°	906.0	922.3	987.6	1053.0	987.6	922.3	906.0	792.6	641.6	566.0	524.0
130°	865.6	880.7	941.1	1001.5	941.1	880.7	865.6	764.8	630.3	563.0	524.8
132.5°	831.3	844.8	898.9	953.0	898.9	844.8	831.3	741.1	620.7	560.5	525.4
135°	782.8	794.5	841.1	887.7	841.1	794.5	782.8	707.2	606.4	555.9	524.8
137.5°	747.0	756.5	794.7	832.8	794.7	756.5	747.0	683.1	597.9	555.2	528.1
140°	718.2	727.1	762.8	798.4	762.8	727.1	718.2	663.0	589.4	552.6	528.6
142.5°	698.2	705.8	736.4	767.1	736.4	705.8	698.2	649.6	584.9	552.6	530.5
145°	667.9	673.7	697.0	720.1	697.0	673.7	667.9	628.3	575.3	548.9	530.6
147.5°	642.5	647.3	666.6	685.8	666.6	647.3	642.5	611.3	569.7	548.9	534.2
150°	628.0	631.9	647.5	663.0	647.5	631.9	628.0	601.7	566.4	548.9	536.1
152.5°	616.4	619.4	631.2	642.9	631.2	619.4	616.4	593.9	563.9	548.9	537.4
155°	602.6	604.6	612.3	620.1	612.3	604.6	602.6	584.6	560.8	548.9	540.1
157.5°	590.6	592.0	597.5	602.9	597.5	592.0	590.6	576.7	558.1	548.9	542.8
160°	584.6	585.5	588.6	591.8	588.6	585.5	584.6	572.7	556.9	548.9	544.1
162.5°	579.1	579.8	582.8	585.8	582.8	579.8	579.1	569.1	555.6	548.9	545.5
165°	570.5	571.3	574.4	577.6	574.4	571.3	570.5	563.3	553.7	548.9	547.3
167.5°	566.8	567.2	568.4	569.8	568.4	567.2	566.8	562.1	555.8	552.6	551.2
170°	566.8	566.8	566.8	566.8	566.8	566.8	566.8	562.1	555.8	552.6	552.5
172.5°	563.8	563.6	562.4	561.2	562.4	563.6	563.8	560.1	555.1	552.6	552.6
175°	559.7	559.7	559.7	559.7	559.7	559.7	559.7	557.3	554.1	552.6	553.3
177.5°	558.9	558.6	557.3	555.9	557.3	558.6	558.9	557.0	554.6	553.3	553.9
180°	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2528.2	2528.2	2528.2	2528.2	2528.2
2.5°	2497.1	2509.1	2516.3	2525.9	2549.7
5°	2401.4	2446.8	2461.2	2497.1	2540.2
7.5°	2190.9	2329.7	2367.9	2454.1	2521.1
10°	1987.6	2126.4	2193.3	2396.7	2497.1
12.5°	1884.8	1966.1	2011.5	2296.2	2463.6
15°	1820.2	1877.6	1911.1	2162.2	2425.4
17.5°	1770.0	1810.7	1834.6	2030.7	2372.7
20°	1738.9	1758.0	1779.5	1935.1	2313.0
22.5°	1717.4	1705.4	1722.2	1868.1	2231.6
25°	1703.0	1657.5	1676.7	1815.4	2135.9
27.5°	1715.0	1614.5	1621.7	1767.6	2035.4
30°	1717.4	1561.9	1564.3	1717.4	1923.0
32.5°	1700.6	1506.9	1509.3	1655.2	1796.3
35°	1660.0	1442.3	1439.9	1583.4	1624.0
37.5°	1604.9	1372.9	1372.9	1504.5	1435.1
40°	1538.0	1303.5	1310.8	1401.6	1267.7
42.5°	1456.7	1229.4	1239.0	1265.3	1143.3
45°	1368.2	1157.7	1164.9	1069.2	1047.6
47.5°	1270.1	1083.5	1085.9	887.4	1016.6
50°	1152.9	1007.0	997.4	760.6	1014.1
52.5°	1050.0	923.3	894.6	688.8	920.9
55°	949.6	834.7	772.6	633.9	853.9
57.5°	861.1	720.0	660.1	569.3	839.5
60°	779.7	607.5	562.1	499.9	770.2
62.5°	712.8	523.8	514.2	452.0	698.4
65°	641.0	466.4	464.0	411.4	593.2
67.5°	571.7	428.1	425.8	373.1	452.0
70°	497.5	387.5	382.7	332.5	334.8
72.5°	421.0	342.1	337.3	299.0	277.4
75°	344.4	289.4	287.0	260.7	224.8
77.5°	270.3	229.6	234.4	210.4	165.0
80°	193.7	167.5	172.3	150.7	124.4
82.5°	129.2	110.1	114.8	95.7	83.7
85°	71.8	62.2	64.5	50.2	38.3
87.5°	33.5	28.7	28.7	19.1	11.9
90°	16.4	10.4	9.7	6.7	3.7
92.5°	101.3	72.1	65.7	40.3	14.9
95°	249.1	140.3	128.7	82.3	35.8
97.5°	335.5	154.1	143.8	102.8	61.9
100°	367.0	165.6	156.3	119.2	82.1
102.5°	381.4	177.2	168.5	134.0	99.3
105°	392.2	194.4	187.1	157.7	128.4
107.5°	394.1	219.8	212.9	185.6	158.2
110°	391.2	234.0	227.8	203.0	178.3



TEST NUMBER: P934467

CATALOG NUMBER: SQ4-FA-050U-100D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	391.3	251.1	245.2	221.7	198.1
115°	394.9	276.9	271.5	249.7	228.0
117.5°	402.3	301.9	296.9	277.2	257.4
120°	408.2	316.4	311.8	293.2	274.6
122.5°	416.7	333.6	328.8	310.1	291.4
125°	428.3	355.5	351.3	334.2	317.2
127.5°	439.9	376.8	372.5	355.3	338.1
130°	448.3	391.0	386.4	367.8	349.2
132.5°	455.2	402.6	398.0	379.4	360.8
135°	462.6	416.0	411.8	394.9	378.0
137.5°	473.9	433.2	429.0	412.3	395.6
140°	480.7	444.8	440.9	425.5	410.0
142.5°	486.4	453.3	449.8	435.5	421.3
145°	493.9	466.4	463.4	450.9	438.5
147.5°	504.8	482.8	479.8	467.7	455.6
150°	510.6	491.4	488.7	477.7	466.8
152.5°	514.3	497.0	494.9	486.7	478.4
155°	522.5	509.3	507.8	501.6	495.5
157.5°	530.7	521.6	520.1	514.1	508.2
160°	534.5	527.3	526.1	521.5	516.8
162.5°	538.5	533.2	532.3	528.9	525.4
165°	544.1	541.7	540.9	537.8	534.7
167.5°	548.6	546.6	546.3	544.7	543.3
170°	552.3	552.2	551.9	550.3	548.9
172.5°	552.6	552.6	552.5	552.2	551.9
175°	554.9	555.9	555.9	555.9	555.9
177.5°	555.0	555.9	555.9	555.9	555.9
180°	555.9	555.9	555.9	555.9	555.9



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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	14.60	15.61	15.43	16.46	17.51	17.44	18.45	18.26	19.30	20.34
	3H	15.09	16.00	15.93	16.85	17.93	18.80	19.71	19.64	20.56	21.64
	4H	15.29	16.15	16.14	17.01	18.09	19.25	20.11	20.11	20.97	22.06
	6H	15.42	16.21	16.28	17.07	18.17	19.55	20.34	20.41	21.20	22.30
	8H	15.42	16.17	16.29	17.06	18.16	19.63	20.38	20.50	21.27	22.36
	12H	15.40	16.11	16.28	16.99	18.12	19.67	20.39	20.55	21.27	22.39
4H	2H	15.66	16.51	16.51	17.37	18.46	17.87	18.72	18.72	19.58	20.67
	3H	16.70	17.41	17.57	18.30	19.41	19.39	20.10	20.26	21.00	22.10
	4H	16.98	17.63	17.86	18.52	19.65	19.93	20.58	20.81	21.47	22.59
	6H	17.11	17.67	18.01	18.59	19.72	20.30	20.86	21.20	21.78	22.91
	8H	17.12	17.65	18.02	18.55	19.70	20.41	20.94	21.31	21.85	22.99
	12H	17.10	17.57	18.01	18.50	19.65	20.48	20.95	21.40	21.88	23.03
8H	4H	17.45	17.97	18.34	18.88	20.02	20.06	20.59	20.96	21.49	22.64
	6H	17.71	18.15	18.64	19.10	20.24	20.51	20.94	21.43	21.89	23.03
	8H	17.76	18.14	18.69	19.08	20.25	20.66	21.05	21.60	21.99	23.15
	12H	17.75	18.09	18.69	19.02	20.23	20.77	21.11	21.71	22.04	23.25
12H	4H	17.46	17.93	18.38	18.86	20.01	20.03	20.51	20.95	21.43	22.58
	6H	17.78	18.16	18.71	19.10	20.26	20.51	20.89	21.44	21.83	22.99
	8H	17.85	18.19	18.79	19.12	20.33	20.68	21.01	21.61	21.95	23.16