

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: P934093

Luminaire Tested: SQ4-FA-025U-100D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

**Test Information**

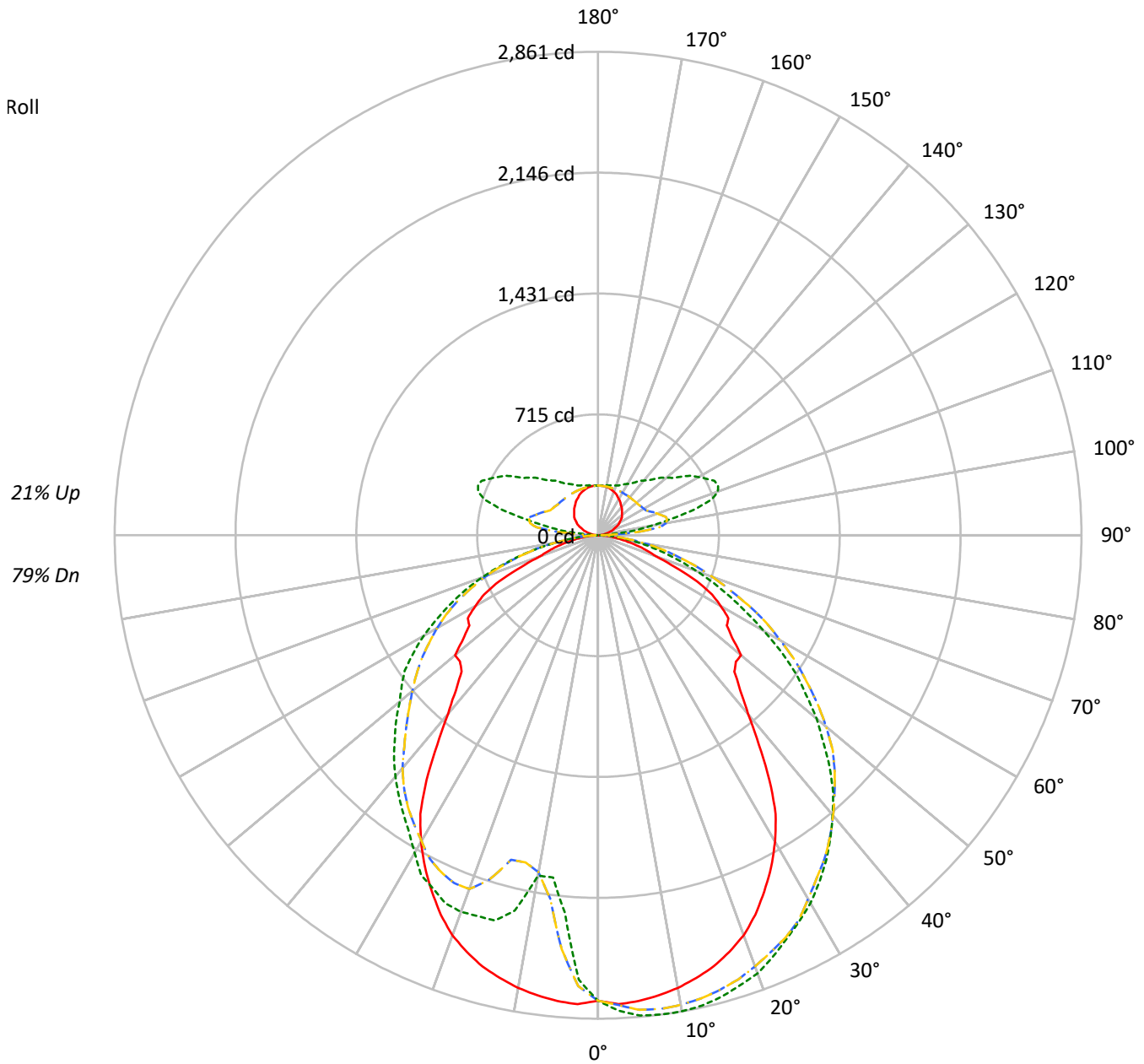
Test Method: LM-79-2019  
Report Number: P934093  
REPORT IS A COMBINATION OF REPORTS P933684 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-100D-B2750-1D-UNV-STD-W-8-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9049.5 lumens  
Efficiency: N/A  
Efficacy: 116.6 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): 77.6  
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	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79		
1	104	100	96	92	100	96	92	89	88	85	82	80	78	76	73	72	70	67		
2	95	87	81	76	91	84	78	73	77	72	68	70	67	64	65	62	59	56		
3	87	77	69	63	83	74	67	61	68	62	57	62	58	54	57	54	50	47		
4	79	68	60	53	76	65	58	52	60	54	49	56	50	46	51	47	43	41		
5	73	61	52	46	70	58	51	45	54	47	42	50	44	40	46	41	38	35		
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31		
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27		
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24		
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	27	24	22		
10	51	38	30	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20		

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

	0°	90°	180°	270°
0°	12778	12778	12778	12778
5°	12873	12898	12873	10142
10°	12787	12705	12787	9084
15°	12648	12430	12648	10380
20°	12383	12104	12383	10401
25°	11842	11629	11842	10180
30°	11142	11234	11142	9697
35°	9933	10734	9933	9165
40°	8277	10146	8277	8763
45°	7395	9458	7395	8301
50°	7857	8637	7857	7837
55°	7392	7753	7392	7569
60°	7620	6584	7620	6933
65°	6908	5443	6908	6084
70°	4783	4338	4783	5100
75°	4194	3207	4194	3839
80°	3381	2120	3381	2309
85°	1942	1123	1942	953

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11335 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.6	2.7
10°-20°	705.8	7.8
20°-30°	1091.1	12.1
30°-40°	1302.5	14.4
40°-50°	1310.2	14.5
50°-60°	1140.0	12.6
60°-70°	808.3	8.9
70°-80°	427.6	4.7
80°-90°	107.6	1.2
90°-100°	143.4	1.6
100°-110°	377.1	4.2
110°-120°	391.1	4.3
120°-130°	313.7	3.5
130°-140°	246.1	2.7
140°-150°	188.9	2.1
150°-160°	136.0	1.5
160°-170°	83.2	0.9
170°-180°	28.1	0.3
0°-30°	2045.5	22.6
0°-40°	3348.0	37.0
0°-60°	5798.2	64.1
0°-90°	7141.7	78.9
90°-120°	911.7	10.1
90°-150°	1660.4	18.3
90°-180°	1908.0	21.1
0°-180°	9049.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2754	2754	2754	2754	2754	
5°	2767	2853	2767	2243	2767	262
15°	2642	2827	2642	2361	2642	743
25°	2327	2637	2327	2308	2327	1068
35°	1769	2353	1769	2009	1769	1094
45°	1141	1938	1141	1701	1141	914
55°	930	1430	930	1397	930	855
65°	646	862	646	964	646	618
75°	245	409	245	490	245	257
85°	42	104	42	88	42	56
90°	2	8	2	8	2	3
95°	19	87	19	87	19	21
105°	68	590	68	590	68	72
115°	121	760	121	760	121	119
125°	168	606	168	606	168	149
135°	200	470	200	470	200	155
145°	232	381	232	381	232	145
155°	262	328	262	328	262	121
165°	283	306	283	306	283	80
175°	294	296	294	296	294	28
180°	294	294	294	294	294	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2777.5	2777.5	2793.0	2798.3	2798.3	2790.5	2782.7	2790.5	2813.9	2821.7	2819.2
5°	2767.0	2787.8	2816.5	2821.7	2827.0	2824.3	2819.2	2824.3	2850.4	2855.7	2858.2
7.5°	2746.2	2785.3	2821.7	2829.5	2837.4	2829.5	2827.0	2832.2	2858.2	2863.4	2863.4
10°	2720.1	2774.8	2816.5	2821.7	2829.5	2821.7	2821.7	2832.2	2858.2	2863.4	2866.0
12.5°	2683.6	2759.2	2798.3	2803.5	2813.9	2811.3	2808.7	2819.2	2845.2	2850.4	2850.4
15°	2642.0	2730.5	2767.0	2772.2	2790.5	2785.3	2785.3	2795.7	2824.3	2832.2	2829.5
17.5°	2584.6	2694.0	2735.8	2743.5	2756.6	2754.0	2756.6	2767.0	2793.0	2798.3	2800.9
20°	2519.5	2644.6	2694.0	2701.8	2715.0	2715.0	2715.0	2728.0	2754.0	2764.4	2764.4
22.5°	2430.9	2592.5	2644.6	2649.8	2665.4	2665.4	2670.6	2688.8	2712.3	2715.0	2715.0
25°	2326.7	2535.1	2579.4	2595.1	2610.7	2618.5	2626.3	2636.8	2644.6	2642.0	2644.6
27.5°	2217.2	2462.1	2519.5	2529.9	2550.8	2558.6	2569.0	2571.6	2574.2	2582.0	2576.8
30°	2094.8	2360.6	2446.6	2457.0	2490.8	2496.1	2485.6	2490.8	2503.8	2509.1	2514.3
32.5°	1956.7	2209.4	2371.0	2394.4	2425.7	2410.1	2407.4	2415.3	2436.1	2436.1	2441.3
35°	1769.1	2092.2	2300.6	2321.4	2344.9	2326.7	2337.1	2339.7	2352.8	2360.6	2357.9
37.5°	1563.3	1990.5	2227.7	2243.3	2261.6	2238.1	2253.7	2261.6	2271.9	2266.8	2266.8
40°	1380.9	1831.7	2141.7	2152.1	2167.7	2149.5	2165.2	2170.4	2175.6	2170.4	2167.7
42.5°	1245.4	1657.1	2050.5	2063.5	2053.1	2066.2	2071.4	2081.7	2074.0	2063.5	2063.5
45°	1141.2	1610.1	1951.5	1967.2	1951.5	1972.4	1980.2	1980.2	1956.7	1951.5	1948.9
47.5°	1107.4	1516.4	1852.5	1852.5	1844.7	1870.7	1883.8	1865.5	1842.0	1834.3	1834.3
50°	1104.7	1412.1	1717.0	1706.6	1743.1	1774.3	1761.3	1743.1	1724.8	1696.1	1696.1
52.5°	1003.2	1284.5	1542.4	1581.5	1638.8	1657.1	1636.3	1618.0	1586.8	1573.8	1563.3
55°	930.2	1151.6	1383.6	1461.6	1521.6	1545.1	1505.9	1487.8	1440.8	1433.1	1427.8
57.5°	914.5	958.8	1237.6	1336.6	1409.6	1406.9	1383.6	1349.6	1310.6	1302.7	1300.1
60°	839.0	693.1	1081.2	1198.5	1274.1	1266.2	1245.4	1214.2	1177.7	1172.5	1167.2
62.5°	760.8	502.9	904.1	1037.0	1143.8	1141.2	1123.0	1076.0	1050.0	1037.0	1026.5
65°	646.1	422.1	643.6	862.5	1016.2	1021.3	982.3	948.4	919.7	904.1	901.5
67.5°	492.4	343.9	435.1	719.1	893.7	888.5	839.0	823.3	786.8	779.0	763.4
70°	364.7	229.2	302.2	583.6	773.8	760.8	721.8	703.5	669.6	651.4	640.9
72.5°	302.2	185.0	221.5	453.4	651.4	635.8	601.9	581.0	552.4	536.7	526.3
75°	244.9	195.4	169.4	336.1	528.9	518.5	487.2	466.4	442.9	422.1	424.7
77.5°	179.7	182.4	135.5	247.5	419.4	403.9	385.6	359.6	349.1	328.3	328.3
80°	135.5	143.3	101.7	169.4	302.2	302.2	286.6	268.4	250.1	239.7	239.7
82.5°	91.2	91.2	75.5	106.8	205.9	198.0	187.6	182.4	172.0	166.7	166.7
85°	41.7	52.1	46.9	65.2	112.0	117.2	117.2	112.0	109.4	104.2	106.8
87.5°	13.0	23.5	28.7	36.5	57.3	59.9	62.5	62.5	62.5	65.2	65.2
90°	2.0	3.5	5.1	5.5	8.7	12.9	15.0	13.3	10.0	7.5	7.5
92.5°	7.9	21.3	34.8	38.2	53.6	74.2	84.5	74.0	53.2	37.6	36.1
95°	18.9	43.5	68.1	74.2	131.8	208.6	247.1	220.5	167.3	127.4	122.9
97.5°	32.8	54.5	76.1	81.5	177.6	305.7	369.8	353.0	319.4	294.1	285.5
100°	43.5	63.1	82.7	87.7	194.2	336.3	407.4	408.7	411.2	413.0	402.8
102.5°	52.6	70.9	89.2	93.8	201.9	346.1	418.2	439.6	482.4	514.5	505.7
105°	67.9	83.5	99.1	102.9	207.7	347.2	417.0	465.0	561.0	633.0	628.3
107.5°	83.7	98.2	112.7	116.3	208.6	331.7	393.2	460.2	594.2	694.6	695.8
110°	94.5	107.5	120.6	123.8	207.1	318.0	373.5	448.3	598.1	710.4	715.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	104.9	117.3	129.8	132.9	207.2	306.1	355.6	432.2	585.4	700.4	707.9
115°	120.7	132.1	143.7	146.5	209.0	292.3	334.0	407.8	555.5	666.2	676.7
117.5°	136.3	146.7	157.2	159.8	213.0	283.8	319.2	385.8	519.0	619.0	630.6
120°	145.3	155.2	165.1	167.5	216.1	280.9	313.3	374.1	495.9	587.2	598.4
122.5°	154.2	164.2	174.1	176.6	220.7	279.3	308.7	363.5	473.2	555.4	566.6
125°	167.9	177.0	186.0	188.2	226.8	278.2	303.8	350.3	443.5	513.3	523.6
127.5°	179.0	188.0	197.2	199.5	232.9	277.4	299.6	339.7	419.6	479.6	488.3
130°	184.9	194.7	204.5	207.0	237.3	277.9	298.1	333.7	404.9	458.2	466.2
132.5°	191.0	200.8	210.6	213.1	241.0	278.2	296.7	328.5	392.2	440.1	447.2
135°	200.1	209.0	218.0	220.3	244.9	277.9	294.3	321.0	374.4	414.4	420.5
137.5°	209.3	218.2	227.1	229.3	250.8	279.5	293.9	316.5	361.6	395.4	400.4
140°	217.0	225.2	233.4	235.5	254.5	279.8	292.5	312.1	351.0	380.2	384.9
142.5°	223.0	230.5	238.1	240.0	257.5	280.9	292.5	309.7	343.9	369.6	373.6
145°	232.1	238.7	245.2	246.9	261.5	280.9	290.6	304.6	332.6	353.6	356.6
147.5°	241.2	247.6	254.0	255.6	267.2	282.8	290.6	301.6	323.6	340.1	342.6
150°	247.1	252.9	258.6	260.1	270.3	283.8	290.6	299.8	318.5	332.4	334.5
152.5°	253.2	257.5	262.0	263.1	272.2	284.5	290.6	298.5	314.3	326.3	327.8
155°	262.3	265.5	268.8	269.6	276.6	285.9	290.6	296.9	309.5	319.0	320.0
157.5°	269.0	272.1	275.3	276.1	280.9	287.3	290.6	295.5	305.3	312.7	313.4
160°	273.5	276.0	278.4	279.0	282.9	288.0	290.6	294.8	303.2	309.5	309.9
162.5°	278.1	279.9	281.7	282.2	285.0	288.7	290.6	294.1	301.2	306.5	306.9
165°	283.1	284.8	286.4	286.8	288.1	289.8	290.6	293.1	298.2	302.0	302.4
167.5°	287.6	288.4	289.2	289.4	290.5	291.9	292.5	294.2	297.6	300.0	300.2
170°	290.6	291.4	292.2	292.3	292.4	292.5	292.5	294.2	297.6	300.0	300.0
172.5°	292.2	292.3	292.5	292.5	292.5	292.5	292.5	293.8	296.5	298.5	298.3
175°	294.3	294.3	294.3	294.3	293.7	292.9	292.5	293.3	295.0	296.3	296.3
177.5°	294.3	294.3	294.3	294.3	293.8	293.2	292.9	293.6	294.9	295.9	295.7
180°	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2824.3	2816.5	2824.3	2819.2	2821.7	2813.9	2790.5	2782.7	2790.5	2798.3	2798.3
5°	2858.2	2853.0	2858.2	2858.2	2855.7	2850.4	2824.3	2819.2	2824.3	2827.0	2821.7
7.5°	2868.7	2860.8	2868.7	2863.4	2863.4	2858.2	2832.2	2827.0	2829.5	2837.4	2829.5
10°	2868.7	2860.8	2868.7	2866.0	2863.4	2858.2	2832.2	2821.7	2821.7	2829.5	2821.7
12.5°	2855.7	2850.4	2855.7	2850.4	2850.4	2845.2	2819.2	2808.7	2811.3	2813.9	2803.5
15°	2834.8	2827.0	2834.8	2829.5	2832.2	2824.3	2795.7	2785.3	2785.3	2790.5	2772.2
17.5°	2803.5	2793.0	2803.5	2800.9	2798.3	2793.0	2767.0	2756.6	2754.0	2756.6	2743.5
20°	2767.0	2759.2	2767.0	2764.4	2764.4	2754.0	2728.0	2715.0	2715.0	2715.0	2701.8
22.5°	2709.7	2701.8	2709.7	2715.0	2715.0	2712.3	2688.8	2670.6	2665.4	2665.4	2649.8
25°	2644.6	2636.8	2644.6	2644.6	2642.0	2644.6	2636.8	2626.3	2618.5	2610.7	2595.1
27.5°	2582.0	2576.8	2582.0	2576.8	2582.0	2574.2	2571.6	2569.0	2558.6	2550.8	2529.9
30°	2519.5	2514.3	2519.5	2514.3	2509.1	2503.8	2490.8	2485.6	2496.1	2490.8	2457.0
32.5°	2441.3	2436.1	2441.3	2441.3	2436.1	2436.1	2415.3	2407.4	2410.1	2425.7	2394.4
35°	2360.6	2352.8	2360.6	2357.9	2360.6	2352.8	2339.7	2337.1	2326.7	2344.9	2321.4
37.5°	2266.8	2258.9	2266.8	2266.8	2266.8	2271.9	2261.6	2253.7	2238.1	2261.6	2243.3
40°	2170.4	2159.9	2170.4	2167.7	2170.4	2175.6	2170.4	2165.2	2149.5	2167.7	2152.1
42.5°	2060.9	2058.4	2060.9	2063.5	2063.5	2074.0	2081.7	2071.4	2066.2	2053.1	2063.5
45°	1943.7	1938.5	1943.7	1948.9	1951.5	1956.7	1980.2	1980.2	1972.4	1951.5	1967.2
47.5°	1818.6	1805.6	1818.6	1834.3	1834.3	1842.0	1865.5	1883.8	1870.7	1844.7	1852.5
50°	1685.8	1688.3	1685.8	1696.1	1696.1	1724.8	1743.1	1761.3	1774.3	1743.1	1706.6
52.5°	1555.5	1552.9	1555.5	1563.3	1573.8	1586.8	1618.0	1636.3	1657.1	1638.8	1581.5
55°	1425.2	1430.4	1425.2	1427.8	1433.1	1440.8	1487.8	1505.9	1545.1	1521.6	1461.6
57.5°	1294.9	1287.1	1294.9	1300.1	1302.7	1310.6	1349.6	1383.6	1406.9	1409.6	1336.6
60°	1143.8	1133.4	1143.8	1167.2	1172.5	1177.7	1214.2	1245.4	1266.2	1274.1	1198.5
62.5°	1010.9	992.7	1010.9	1026.5	1037.0	1050.0	1076.0	1123.0	1141.2	1143.8	1037.0
65°	870.2	862.5	870.2	901.5	904.1	919.7	948.4	982.3	1021.3	1016.2	862.5
67.5°	742.6	742.6	742.6	763.4	779.0	786.8	823.3	839.0	888.5	893.7	719.1
70°	625.3	622.8	625.3	640.9	651.4	669.6	703.5	721.8	760.8	773.8	583.6
72.5°	513.3	510.6	513.3	526.3	536.7	552.4	581.0	601.9	635.8	651.4	453.4
75°	414.3	409.1	414.3	424.7	422.1	442.9	466.4	487.2	518.5	528.9	336.1
77.5°	317.9	317.9	317.9	328.3	328.3	349.1	359.6	385.6	403.9	419.4	247.5
80°	237.1	234.5	237.1	239.7	239.7	250.1	268.4	286.6	302.2	302.2	169.4
82.5°	166.7	161.5	166.7	166.7	166.7	172.0	182.4	187.6	198.0	205.9	106.8
85°	104.2	104.2	104.2	106.8	104.2	109.4	112.0	117.2	117.2	112.0	65.2
87.5°	67.7	65.2	67.7	65.2	65.2	62.5	62.5	62.5	59.9	57.3	36.5
90°	7.5	7.5	7.5	7.5	7.5	10.0	13.3	15.0	12.9	8.7	5.5
92.5°	30.1	24.1	30.1	36.1	37.6	53.2	74.0	84.5	74.2	53.6	38.2
95°	104.8	86.7	104.8	122.9	127.4	167.3	220.5	247.1	208.6	131.8	74.2
97.5°	251.0	216.6	251.0	285.5	294.1	319.4	353.0	369.8	305.7	177.6	81.5
100°	361.8	320.7	361.8	402.8	413.0	411.2	408.7	407.4	336.3	194.2	87.7
102.5°	470.6	435.5	470.6	505.7	514.5	482.4	439.6	418.2	346.1	201.9	93.8
105°	609.4	590.5	609.4	628.3	633.0	561.0	465.0	417.0	347.2	207.7	102.9
107.5°	700.4	704.9	700.4	695.8	694.6	594.2	460.2	393.2	331.7	208.6	116.3
110°	735.0	754.7	735.0	715.3	710.4	598.1	448.3	373.5	318.0	207.1	123.8





TEST NUMBER: P934093

CATALOG NUMBER: SQ4-FA-025U-100D-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°	738.1	768.3	738.1	707.9	700.4	585.4	432.2	355.6	306.1	207.2	132.9
115°	718.6	760.4	718.6	676.7	666.2	555.5	407.8	334.0	292.3	209.0	146.5
117.5°	677.1	723.5	677.1	630.6	619.0	519.0	385.8	319.2	283.8	213.0	159.8
120°	643.6	688.7	643.6	598.4	587.2	495.9	374.1	313.3	280.9	216.1	167.5
122.5°	611.0	655.5	611.0	566.6	555.4	473.2	363.5	308.7	279.3	220.7	176.6
125°	564.6	605.6	564.6	523.6	513.3	443.5	350.3	303.8	278.2	226.8	188.2
127.5°	522.8	557.4	522.8	488.3	479.6	419.6	339.7	299.6	277.4	232.9	199.5
130°	498.1	530.1	498.1	466.2	458.2	404.9	333.7	298.1	277.9	237.3	207.0
132.5°	475.8	504.4	475.8	447.2	440.1	392.2	328.5	296.7	278.2	241.0	213.1
135°	445.2	469.8	445.2	420.5	414.4	374.4	321.0	294.3	277.9	244.9	220.3
137.5°	420.6	440.8	420.6	400.4	395.4	361.6	316.5	293.9	279.5	250.8	229.3
140°	403.8	422.7	403.8	384.9	380.2	351.0	312.1	292.5	279.8	254.5	235.5
142.5°	389.9	406.0	389.9	373.6	369.6	343.9	309.7	292.5	280.9	257.5	240.0
145°	369.0	381.2	369.0	356.6	353.6	332.6	304.6	290.6	280.9	261.5	246.9
147.5°	352.8	363.0	352.8	342.6	340.1	323.6	301.6	290.6	282.8	267.2	255.6
150°	342.7	351.0	342.7	334.5	332.4	318.5	299.8	290.6	283.8	270.3	260.1
152.5°	334.1	340.3	334.1	327.8	326.3	314.3	298.5	290.6	284.5	272.2	263.1
155°	324.1	328.2	324.1	320.0	319.0	309.5	296.9	290.6	285.9	276.6	269.6
157.5°	316.3	319.2	316.3	313.4	312.7	305.3	295.5	290.6	287.3	280.9	276.1
160°	311.6	313.3	311.6	309.9	309.5	303.2	294.8	290.6	288.0	282.9	279.0
162.5°	308.5	310.1	308.5	306.9	306.5	301.2	294.1	290.6	288.7	285.0	282.2
165°	304.1	305.8	304.1	302.4	302.0	298.2	293.1	290.6	289.8	288.1	286.8
167.5°	300.9	301.6	300.9	300.2	300.0	297.6	294.2	292.5	291.9	290.5	289.4
170°	300.0	300.0	300.0	300.0	300.0	297.6	294.2	292.5	292.5	292.4	292.3
172.5°	297.7	297.1	297.7	298.3	298.5	296.5	293.8	292.5	292.5	292.5	292.5
175°	296.3	296.3	296.3	296.3	296.3	295.0	293.3	292.5	292.9	293.7	294.3
177.5°	295.0	294.3	295.0	295.7	295.9	294.9	293.6	292.9	293.2	293.8	294.3
180°	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3



TEST NUMBER: P934093

CATALOG NUMBER: SQ4-FA-025U-100D-B2750-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2793.0	2777.5	2777.5	2751.4	2741.0	2733.2	2720.1	2681.0	2670.6	2660.2	2675.8
5°	2816.5	2787.8	2767.0	2720.1	2681.0	2665.4	2615.9	2522.1	2459.6	2412.6	2386.6
7.5°	2821.7	2785.3	2746.2	2673.2	2579.4	2537.8	2386.6	2214.7	2167.7	2126.1	2100.0
10°	2816.5	2774.8	2720.1	2610.7	2389.2	2316.3	2165.2	2053.1	2024.5	2016.7	2024.5
12.5°	2798.3	2759.2	2683.6	2501.3	2191.2	2141.7	2053.1	1988.0	1982.7	1995.8	2066.2
15°	2767.0	2730.5	2642.0	2355.4	2081.7	2045.3	1982.7	1959.3	1988.0	2079.2	2290.2
17.5°	2735.8	2694.0	2584.6	2212.1	1998.4	1972.4	1928.0	1975.0	2136.5	2258.9	2329.3
20°	2694.0	2644.6	2519.5	2107.9	1938.5	1915.0	1894.2	2105.2	2227.7	2271.9	2311.1
22.5°	2644.6	2592.5	2430.9	2034.9	1876.0	1857.7	1870.7	2178.2	2227.7	2258.9	2292.8
25°	2579.4	2535.1	2326.7	1977.5	1826.5	1805.6	1855.1	2170.4	2199.0	2206.9	2274.6
27.5°	2519.5	2462.1	2217.2	1925.5	1766.5	1758.7	1868.2	2136.5	2157.4	2165.2	2238.1
30°	2446.6	2360.6	2094.8	1870.7	1704.0	1701.3	1870.7	2094.8	2089.6	2110.4	2183.4
32.5°	2371.0	2209.4	1956.7	1803.0	1644.1	1641.5	1852.5	2032.2	2027.0	2055.7	2110.4
35°	2300.6	2092.2	1769.1	1724.8	1568.5	1571.1	1808.2	1959.3	1961.9	1988.0	2021.9
37.5°	2227.7	1990.5	1563.3	1638.8	1495.6	1495.6	1748.3	1891.5	1886.4	1894.2	1941.0
40°	2141.7	1831.7	1380.9	1526.8	1427.8	1419.9	1675.3	1818.6	1800.3	1797.8	1862.9
42.5°	2050.5	1657.1	1245.4	1378.3	1349.6	1339.2	1586.8	1730.0	1696.1	1704.0	1787.3
45°	1951.5	1610.1	1141.2	1164.7	1268.9	1261.1	1490.3	1628.4	1605.0	1625.8	1711.8
47.5°	1852.5	1516.4	1107.4	966.7	1182.9	1180.2	1383.6	1529.4	1516.4	1537.3	1628.4
50°	1717.0	1412.1	1104.7	828.5	1086.5	1096.9	1255.9	1433.1	1433.1	1451.3	1547.6
52.5°	1542.4	1284.5	1003.2	750.3	974.5	1005.7	1143.8	1349.6	1354.9	1373.1	1459.1
55°	1383.6	1151.6	930.2	690.5	841.6	909.3	1034.4	1263.7	1274.1	1292.4	1370.4
57.5°	1237.6	958.8	914.5	620.1	719.1	784.3	938.0	1180.2	1185.5	1201.1	1276.7
60°	1081.2	693.1	839.0	544.6	612.3	661.8	849.3	1081.2	1099.5	1109.9	1175.1
62.5°	904.1	502.9	760.8	492.4	560.1	570.6	776.5	987.5	1010.9	1018.7	1057.8
65°	643.6	422.1	646.1	448.1	505.4	508.1	698.3	891.0	912.0	925.0	953.6
67.5°	435.1	343.9	492.4	406.4	463.8	466.4	622.8	779.0	807.7	818.1	836.3
70°	302.2	229.2	364.7	362.2	416.9	422.1	541.9	677.4	703.5	711.3	721.8
72.5°	221.5	185.0	302.2	325.7	367.4	372.6	458.6	562.8	588.8	596.6	601.9
75°	169.4	195.4	244.9	284.0	312.7	315.2	375.2	458.6	476.8	482.1	484.6
77.5°	135.5	182.4	179.7	229.2	255.4	250.1	294.4	354.4	369.9	369.9	369.9
80°	101.7	143.3	135.5	164.2	187.6	182.4	211.0	252.7	257.9	263.2	260.5
82.5°	75.5	91.2	91.2	104.2	125.0	119.9	140.7	164.2	164.2	164.2	169.4
85°	46.9	52.1	41.7	54.7	70.3	67.7	78.2	88.5	91.2	91.2	86.0
87.5°	28.7	23.5	13.0	20.8	31.3	31.3	36.5	39.0	36.5	36.5	36.5
90°	5.1	3.5	2.0	3.5	5.1	5.5	8.7	12.9	15.0	13.3	10.0
92.5°	34.8	21.3	7.9	21.3	34.8	38.2	53.6	74.2	84.5	74.0	53.2
95°	68.1	43.5	18.9	43.5	68.1	74.2	131.8	208.6	247.1	220.5	167.3
97.5°	76.1	54.5	32.8	54.5	76.1	81.5	177.6	305.7	369.8	353.0	319.4
100°	82.7	63.1	43.5	63.1	82.7	87.7	194.2	336.3	407.4	408.7	411.2
102.5°	89.2	70.9	52.6	70.9	89.2	93.8	201.9	346.1	418.2	439.6	482.4
105°	99.1	83.5	67.9	83.5	99.1	102.9	207.7	347.2	417.0	465.0	561.0
107.5°	112.7	98.2	83.7	98.2	112.7	116.3	208.6	331.7	393.2	460.2	594.2
110°	120.6	107.5	94.5	107.5	120.6	123.8	207.1	318.0	373.5	448.3	598.1



TEST NUMBER: P934093

CATALOG NUMBER: SQ4-FA-025U-100D-B2750-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	129.8	117.3	104.9	117.3	129.8	132.9	207.2	306.1	355.6	432.2	585.4
115°	143.7	132.1	120.7	132.1	143.7	146.5	209.0	292.3	334.0	407.8	555.5
117.5°	157.2	146.7	136.3	146.7	157.2	159.8	213.0	283.8	319.2	385.8	519.0
120°	165.1	155.2	145.3	155.2	165.1	167.5	216.1	280.9	313.3	374.1	495.9
122.5°	174.1	164.2	154.2	164.2	174.1	176.6	220.7	279.3	308.7	363.5	473.2
125°	186.0	177.0	167.9	177.0	186.0	188.2	226.8	278.2	303.8	350.3	443.5
127.5°	197.2	188.0	179.0	188.0	197.2	199.5	232.9	277.4	299.6	339.7	419.6
130°	204.5	194.7	184.9	194.7	204.5	207.0	237.3	277.9	298.1	333.7	404.9
132.5°	210.6	200.8	191.0	200.8	210.6	213.1	241.0	278.2	296.7	328.5	392.2
135°	218.0	209.0	200.1	209.0	218.0	220.3	244.9	277.9	294.3	321.0	374.4
137.5°	227.1	218.2	209.3	218.2	227.1	229.3	250.8	279.5	293.9	316.5	361.6
140°	233.4	225.2	217.0	225.2	233.4	235.5	254.5	279.8	292.5	312.1	351.0
142.5°	238.1	230.5	223.0	230.5	238.1	240.0	257.5	280.9	292.5	309.7	343.9
145°	245.2	238.7	232.1	238.7	245.2	246.9	261.5	280.9	290.6	304.6	332.6
147.5°	254.0	247.6	241.2	247.6	254.0	255.6	267.2	282.8	290.6	301.6	323.6
150°	258.6	252.9	247.1	252.9	258.6	260.1	270.3	283.8	290.6	299.8	318.5
152.5°	262.0	257.5	253.2	257.5	262.0	263.1	272.2	284.5	290.6	298.5	314.3
155°	268.8	265.5	262.3	265.5	268.8	269.6	276.6	285.9	290.6	296.9	309.5
157.5°	275.3	272.1	269.0	272.1	275.3	276.1	280.9	287.3	290.6	295.5	305.3
160°	278.4	276.0	273.5	276.0	278.4	279.0	282.9	288.0	290.6	294.8	303.2
162.5°	281.7	279.9	278.1	279.9	281.7	282.2	285.0	288.7	290.6	294.1	301.2
165°	286.4	284.8	283.1	284.8	286.4	286.8	288.1	289.8	290.6	293.1	298.2
167.5°	289.2	288.4	287.6	288.4	289.2	289.4	290.5	291.9	292.5	294.2	297.6
170°	292.2	291.4	290.6	291.4	292.2	292.3	292.4	292.5	292.5	294.2	297.6
172.5°	292.5	292.3	292.2	292.3	292.5	292.5	292.5	292.5	292.5	293.8	296.5
175°	294.3	294.3	294.3	294.3	294.3	294.3	293.7	292.9	292.5	293.3	295.0
177.5°	294.3	294.3	294.3	294.3	294.3	294.3	293.8	293.2	292.9	293.6	294.9
180°	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3



TEST NUMBER: P934093

CATALOG NUMBER: SQ4-FA-025U-100D-B2750-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2657.6	2649.8	2660.2	2631.5	2660.2	2649.8	2657.6	2675.8	2660.2	2670.6	2681.0
5°	2331.9	2318.9	2277.2	2243.3	2277.2	2318.9	2331.9	2386.6	2412.6	2459.6	2522.1
7.5°	2084.4	2074.0	2063.5	2042.7	2063.5	2074.0	2084.4	2100.0	2126.1	2167.7	2214.7
10°	2029.7	2032.2	2047.9	2045.3	2047.9	2032.2	2029.7	2024.5	2016.7	2024.5	2053.1
12.5°	2170.4	2193.8	2279.8	2274.6	2279.8	2193.8	2170.4	2066.2	1995.8	1982.7	1988.0
15°	2331.9	2339.7	2357.9	2360.6	2357.9	2339.7	2331.9	2290.2	2079.2	1988.0	1959.3
17.5°	2347.6	2350.1	2363.1	2363.1	2363.1	2350.1	2347.6	2329.3	2258.9	2136.5	1975.0
20°	2334.6	2339.7	2365.8	2371.0	2365.8	2339.7	2334.6	2311.1	2271.9	2227.7	2105.2
22.5°	2329.3	2339.7	2360.6	2357.9	2360.6	2339.7	2329.3	2292.8	2258.9	2227.7	2178.2
25°	2303.2	2303.2	2305.9	2308.4	2305.9	2303.2	2303.2	2274.6	2206.9	2199.0	2170.4
27.5°	2248.6	2253.7	2269.4	2266.8	2269.4	2253.7	2248.6	2238.1	2165.2	2157.4	2136.5
30°	2199.0	2193.8	2180.7	2170.4	2180.7	2193.8	2199.0	2183.4	2110.4	2089.6	2094.8
32.5°	2115.7	2102.6	2089.6	2081.7	2089.6	2102.6	2115.7	2110.4	2055.7	2027.0	2032.2
35°	2016.7	2019.2	2016.7	2008.8	2016.7	2019.2	2016.7	2021.9	1988.0	1961.9	1959.3
37.5°	1946.3	1951.5	1948.9	1938.5	1948.9	1951.5	1946.3	1941.0	1894.2	1886.4	1891.5
40°	1873.3	1876.0	1873.3	1865.5	1873.3	1876.0	1873.3	1862.9	1797.8	1800.3	1818.6
42.5°	1803.0	1800.3	1792.5	1787.3	1792.5	1800.3	1803.0	1787.3	1704.0	1696.1	1730.0
45°	1722.2	1724.8	1709.2	1701.3	1709.2	1724.8	1722.2	1711.8	1625.8	1605.0	1628.4
47.5°	1641.5	1641.5	1628.4	1620.6	1628.4	1641.5	1641.5	1628.4	1537.3	1516.4	1529.4
50°	1555.5	1552.9	1534.6	1532.0	1534.6	1552.9	1555.5	1547.6	1451.3	1433.1	1433.1
52.5°	1456.4	1456.4	1459.1	1464.3	1459.1	1456.4	1456.4	1459.1	1373.1	1354.9	1349.6
55°	1370.4	1373.1	1391.3	1396.6	1391.3	1373.1	1370.4	1370.4	1292.4	1274.1	1263.7
57.5°	1281.9	1281.9	1294.9	1294.9	1294.9	1281.9	1281.9	1276.7	1201.1	1185.5	1180.2
60°	1180.2	1185.5	1195.9	1193.4	1195.9	1185.5	1180.2	1175.1	1109.9	1099.5	1081.2
62.5°	1073.5	1078.7	1081.2	1076.0	1081.2	1078.7	1073.5	1057.8	1018.7	1010.9	987.5
65°	961.4	966.7	969.2	964.0	969.2	966.7	961.4	953.6	925.0	912.0	891.0
67.5°	846.8	844.2	841.6	852.0	841.6	844.2	846.8	836.3	818.1	807.7	779.0
70°	729.5	729.5	726.9	732.1	726.9	729.5	729.5	721.8	711.3	703.5	677.4
72.5°	604.5	601.9	612.3	604.5	612.3	601.9	604.5	601.9	596.6	588.8	562.8
75°	482.1	487.2	482.1	489.8	482.1	487.2	482.1	484.6	482.1	476.8	458.6
77.5°	367.4	372.6	367.4	367.4	367.4	372.6	367.4	369.9	369.9	369.9	354.4
80°	260.5	257.9	257.9	255.4	257.9	257.9	260.5	260.5	263.2	257.9	252.7
82.5°	166.7	164.2	164.2	169.4	164.2	164.2	166.7	169.4	164.2	164.2	164.2
85°	91.2	93.8	88.5	88.5	88.5	93.8	91.2	86.0	91.2	91.2	88.5
87.5°	33.9	31.3	31.3	31.3	31.3	31.3	33.9	36.5	36.5	36.5	39.0
90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	10.0	13.3	15.0	12.9
92.5°	37.6	36.1	30.1	24.1	30.1	36.1	37.6	53.2	74.0	84.5	74.2
95°	127.4	122.9	104.8	86.7	104.8	122.9	127.4	167.3	220.5	247.1	208.6
97.5°	294.1	285.5	251.0	216.6	251.0	285.5	294.1	319.4	353.0	369.8	305.7
100°	413.0	402.8	361.8	320.7	361.8	402.8	413.0	411.2	408.7	407.4	336.3
102.5°	514.5	505.7	470.6	435.5	470.6	505.7	514.5	482.4	439.6	418.2	346.1
105°	633.0	628.3	609.4	590.5	609.4	628.3	633.0	561.0	465.0	417.0	347.2
107.5°	694.6	695.8	700.4	704.9	700.4	695.8	694.6	594.2	460.2	393.2	331.7
110°	710.4	715.3	735.0	754.7	735.0	715.3	710.4	598.1	448.3	373.5	318.0



TEST NUMBER: P934093

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	700.4	707.9	738.1	768.3	738.1	707.9	700.4	585.4	432.2	355.6	306.1
115°	666.2	676.7	718.6	760.4	718.6	676.7	666.2	555.5	407.8	334.0	292.3
117.5°	619.0	630.6	677.1	723.5	677.1	630.6	619.0	519.0	385.8	319.2	283.8
120°	587.2	598.4	643.6	688.7	643.6	598.4	587.2	495.9	374.1	313.3	280.9
122.5°	555.4	566.6	611.0	655.5	611.0	566.6	555.4	473.2	363.5	308.7	279.3
125°	513.3	523.6	564.6	605.6	564.6	523.6	513.3	443.5	350.3	303.8	278.2
127.5°	479.6	488.3	522.8	557.4	522.8	488.3	479.6	419.6	339.7	299.6	277.4
130°	458.2	466.2	498.1	530.1	498.1	466.2	458.2	404.9	333.7	298.1	277.9
132.5°	440.1	447.2	475.8	504.4	475.8	447.2	440.1	392.2	328.5	296.7	278.2
135°	414.4	420.5	445.2	469.8	445.2	420.5	414.4	374.4	321.0	294.3	277.9
137.5°	395.4	400.4	420.6	440.8	420.6	400.4	395.4	361.6	316.5	293.9	279.5
140°	380.2	384.9	403.8	422.7	403.8	384.9	380.2	351.0	312.1	292.5	279.8
142.5°	369.6	373.6	389.9	406.0	389.9	373.6	369.6	343.9	309.7	292.5	280.9
145°	353.6	356.6	369.0	381.2	369.0	356.6	353.6	332.6	304.6	290.6	280.9
147.5°	340.1	342.6	352.8	363.0	352.8	342.6	340.1	323.6	301.6	290.6	282.8
150°	332.4	334.5	342.7	351.0	342.7	334.5	332.4	318.5	299.8	290.6	283.8
152.5°	326.3	327.8	334.1	340.3	334.1	327.8	326.3	314.3	298.5	290.6	284.5
155°	319.0	320.0	324.1	328.2	324.1	320.0	319.0	309.5	296.9	290.6	285.9
157.5°	312.7	313.4	316.3	319.2	316.3	313.4	312.7	305.3	295.5	290.6	287.3
160°	309.5	309.9	311.6	313.3	311.6	309.9	309.5	303.2	294.8	290.6	288.0
162.5°	306.5	306.9	308.5	310.1	308.5	306.9	306.5	301.2	294.1	290.6	288.7
165°	302.0	302.4	304.1	305.8	304.1	302.4	302.0	298.2	293.1	290.6	289.8
167.5°	300.0	300.2	300.9	301.6	300.9	300.2	300.0	297.6	294.2	292.5	291.9
170°	300.0	300.0	300.0	300.0	300.0	300.0	300.0	297.6	294.2	292.5	292.5
172.5°	298.5	298.3	297.7	297.1	297.7	298.3	298.5	296.5	293.8	292.5	292.5
175°	296.3	296.3	296.3	296.3	296.3	296.3	296.3	295.0	293.3	292.5	292.9
177.5°	295.9	295.7	295.0	294.3	295.0	295.7	295.9	294.9	293.6	292.9	293.2
180°	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3



TEST NUMBER: P934093

CATALOG NUMBER: SQ4-FA-025U-100D-B2750-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2754.0	2754.0	2754.0	2754.0	2754.0
2.5°	2720.1	2733.2	2741.0	2751.4	2777.5
5°	2615.9	2665.4	2681.0	2720.1	2767.0
7.5°	2386.6	2537.8	2579.4	2673.2	2746.2
10°	2165.2	2316.3	2389.2	2610.7	2720.1
12.5°	2053.1	2141.7	2191.2	2501.3	2683.6
15°	1982.7	2045.3	2081.7	2355.4	2642.0
17.5°	1928.0	1972.4	1998.4	2212.1	2584.6
20°	1894.2	1915.0	1938.5	2107.9	2519.5
22.5°	1870.7	1857.7	1876.0	2034.9	2430.9
25°	1855.1	1805.6	1826.5	1977.5	2326.7
27.5°	1868.2	1758.7	1766.5	1925.5	2217.2
30°	1870.7	1701.3	1704.0	1870.7	2094.8
32.5°	1852.5	1641.5	1644.1	1803.0	1956.7
35°	1808.2	1571.1	1568.5	1724.8	1769.1
37.5°	1748.3	1495.6	1495.6	1638.8	1563.3
40°	1675.3	1419.9	1427.8	1526.8	1380.9
42.5°	1586.8	1339.2	1349.6	1378.3	1245.4
45°	1490.3	1261.1	1268.9	1164.7	1141.2
47.5°	1383.6	1180.2	1182.9	966.7	1107.4
50°	1255.9	1096.9	1086.5	828.5	1104.7
52.5°	1143.8	1005.7	974.5	750.3	1003.2
55°	1034.4	909.3	841.6	690.5	930.2
57.5°	938.0	784.3	719.1	620.1	914.5
60°	849.3	661.8	612.3	544.6	839.0
62.5°	776.5	570.6	560.1	492.4	760.8
65°	698.3	508.1	505.4	448.1	646.1
67.5°	622.8	466.4	463.8	406.4	492.4
70°	541.9	422.1	416.9	362.2	364.7
72.5°	458.6	372.6	367.4	325.7	302.2
75°	375.2	315.2	312.7	284.0	244.9
77.5°	294.4	250.1	255.4	229.2	179.7
80°	211.0	182.4	187.6	164.2	135.5
82.5°	140.7	119.9	125.0	104.2	91.2
85°	78.2	67.7	70.3	54.7	41.7
87.5°	36.5	31.3	31.3	20.8	13.0
90°	8.7	5.5	5.1	3.5	2.0
92.5°	53.6	38.2	34.8	21.3	7.9
95°	131.8	74.2	68.1	43.5	18.9
97.5°	177.6	81.5	76.1	54.5	32.8
100°	194.2	87.7	82.7	63.1	43.5
102.5°	201.9	93.8	89.2	70.9	52.6
105°	207.7	102.9	99.1	83.5	67.9
107.5°	208.6	116.3	112.7	98.2	83.7
110°	207.1	123.8	120.6	107.5	94.5



TEST NUMBER: P934093

CATALOG NUMBER: SQ4-FA-025U-100D-B2750-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	207.2	132.9	129.8	117.3	104.9
115°	209.0	146.5	143.7	132.1	120.7
117.5°	213.0	159.8	157.2	146.7	136.3
120°	216.1	167.5	165.1	155.2	145.3
122.5°	220.7	176.6	174.1	164.2	154.2
125°	226.8	188.2	186.0	177.0	167.9
127.5°	232.9	199.5	197.2	188.0	179.0
130°	237.3	207.0	204.5	194.7	184.9
132.5°	241.0	213.1	210.6	200.8	191.0
135°	244.9	220.3	218.0	209.0	200.1
137.5°	250.8	229.3	227.1	218.2	209.3
140°	254.5	235.5	233.4	225.2	217.0
142.5°	257.5	240.0	238.1	230.5	223.0
145°	261.5	246.9	245.2	238.7	232.1
147.5°	267.2	255.6	254.0	247.6	241.2
150°	270.3	260.1	258.6	252.9	247.1
152.5°	272.2	263.1	262.0	257.5	253.2
155°	276.6	269.6	268.8	265.5	262.3
157.5°	280.9	276.1	275.3	272.1	269.0
160°	282.9	279.0	278.4	276.0	273.5
162.5°	285.0	282.2	281.7	279.9	278.1
165°	288.1	286.8	286.4	284.8	283.1
167.5°	290.5	289.4	289.2	288.4	287.6
170°	292.4	292.3	292.2	291.4	290.6
172.5°	292.5	292.5	292.5	292.3	292.2
175°	293.7	294.3	294.3	294.3	294.3
177.5°	293.8	294.3	294.3	294.3	294.3
180°	294.3	294.3	294.3	294.3	294.3



TEST NUMBER: P934093  
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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	15.99	17.19	16.65	17.87	18.66	18.83	20.03	19.49	20.71	21.50
	3H	16.49	17.57	17.17	18.26	19.08	20.20	21.28	20.88	21.97	22.79
	4H	16.70	17.72	17.40	18.42	19.25	20.66	21.68	21.36	22.38	23.21
	6H	16.84	17.78	17.55	18.49	19.33	20.97	21.91	21.68	22.62	23.47
	8H	16.85	17.74	17.57	18.47	19.32	21.05	21.95	21.77	22.68	23.53
	12H	16.83	17.68	17.56	18.41	19.29	21.10	21.96	21.83	22.68	23.56
4H	2H	17.07	18.08	17.77	18.78	19.62	19.28	20.30	19.98	21.00	21.83
	3H	18.13	18.97	18.84	19.71	20.56	20.82	21.67	21.53	22.40	23.26
	4H	18.42	19.18	19.14	19.92	20.81	21.36	22.13	22.09	22.87	23.75
	6H	18.56	19.23	19.31	19.99	20.88	21.75	22.41	22.50	23.18	24.07
	8H	18.57	19.20	19.32	19.96	20.86	21.86	22.49	22.61	23.25	24.15
	12H	18.56	19.12	19.33	19.90	20.81	21.94	22.50	22.71	23.28	24.19
8H	4H	18.90	19.52	19.65	20.28	21.18	21.51	22.14	22.26	22.90	23.80
	6H	19.17	19.69	19.95	20.49	21.40	21.97	22.48	22.75	23.28	24.19
	8H	19.22	19.68	20.01	20.48	21.40	22.12	22.58	22.92	23.38	24.31
	12H	19.22	19.62	20.01	20.42	21.40	22.24	22.64	23.03	23.44	24.42
12H	4H	18.92	19.48	19.69	20.26	21.17	21.49	22.05	22.27	22.84	23.75
	6H	19.24	19.70	20.03	20.50	21.42	21.97	22.43	22.76	23.23	24.15
	8H	19.32	19.72	20.11	20.52	21.50	22.14	22.55	22.94	23.34	24.32