

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: P934893

Luminaire Tested: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934893
REPORT IS A COMBINATION OF REPORTS P933716 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-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: -

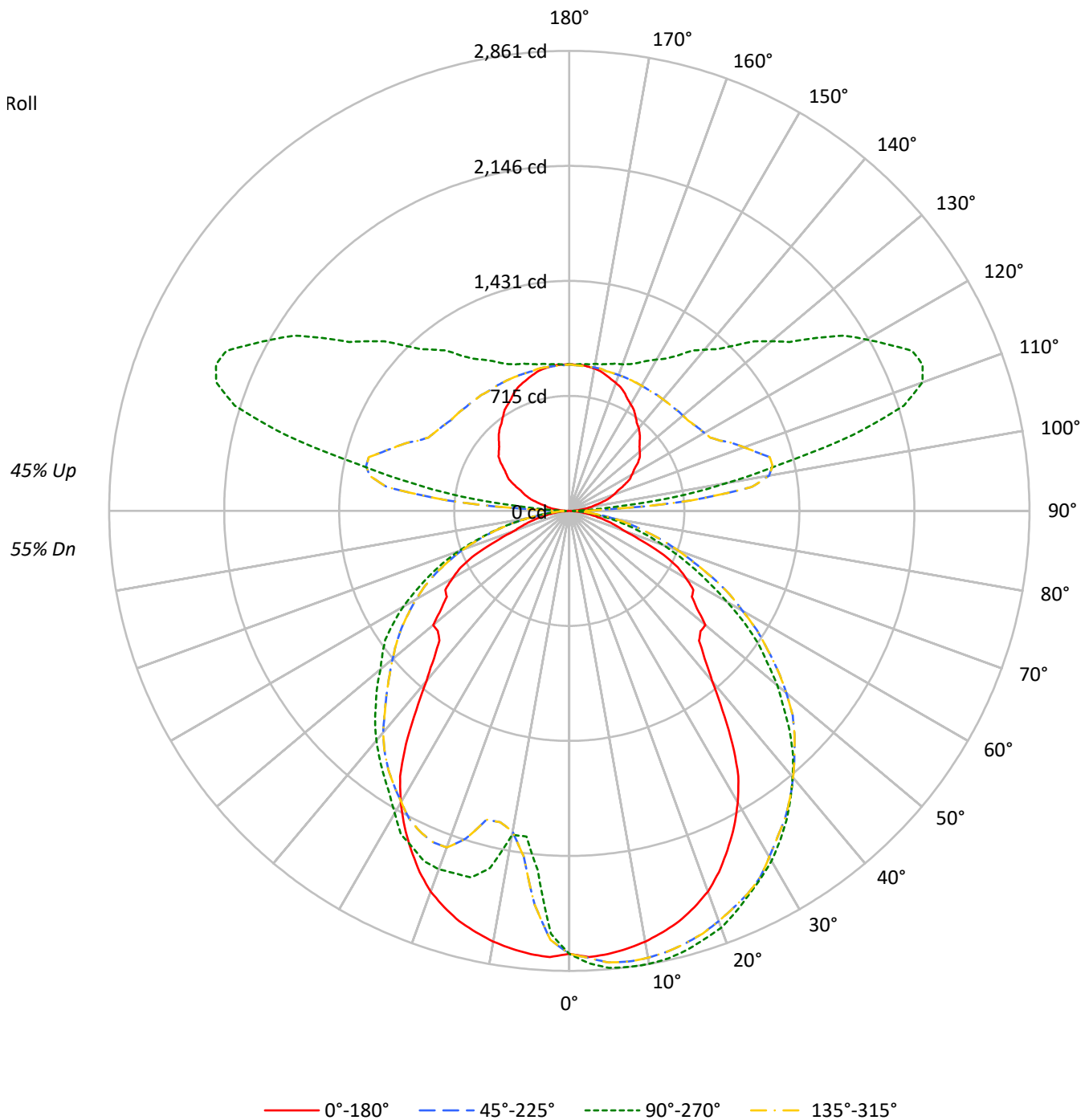
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13048.7 lumens
Efficiency: N/A
Efficacy: 127.4 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: General Diffuse

Input Watts (W): 102.4
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

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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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	22	18	16	14

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	1.9
10°-20°	705.8	5.4
20°-30°	1091.1	8.4
30°-40°	1302.5	10.0
40°-50°	1310.2	10.0
50°-60°	1140.0	8.7
60°-70°	808.3	6.2
70°-80°	427.6	3.3
80°-90°	110.0	0.8
90°-100°	444.0	3.4
100°-110°	1167.3	8.9
110°-120°	1210.3	9.3
120°-130°	970.8	7.4
130°-140°	761.8	5.8
140°-150°	584.7	4.5
150°-160°	421.1	3.2
160°-170°	257.6	2.0
170°-180°	87.0	0.7
0°-30°	2045.5	15.7
0°-40°	3348.0	25.7
0°-60°	5798.2	44.4
0°-90°	7144.1	54.7
90°-120°	2821.6	21.6
90°-150°	5138.9	39.4
90°-180°	5905.0	45.3
0°-180°	13048.7	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°	6	23	6	23	6	7
95°	59	268	59	268	59	65
105°	210	1828	210	1828	210	223
115°	374	2354	374	2354	374	369
125°	520	1874	520	1874	520	461
135°	619	1454	619	1454	619	479
145°	718	1180	718	1180	718	450
155°	812	1016	812	1016	812	373
165°	876	946	876	946	876	247
175°	911	917	911	917	911	86
180°	911	911	911	911	911	



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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°	6.1	11.0	16.0	17.2	26.9	39.9	46.4	41.3	31.0	23.3	23.3
92.5°	24.5	66.1	107.7	118.0	165.9	229.7	261.7	229.3	164.7	116.2	111.5
95°	58.7	134.8	210.8	229.8	408.1	645.8	764.7	682.4	517.7	394.3	380.3
97.5°	101.5	168.6	235.8	252.5	549.8	946.2	1144.4	1092.3	988.3	910.3	883.7
100°	134.5	195.3	256.3	271.4	601.4	1041.2	1261.1	1264.9	1272.5	1278.3	1246.5
102.5°	162.6	219.4	276.2	290.4	624.9	1071.1	1294.1	1360.4	1493.0	1592.5	1565.3
105°	210.3	258.4	306.4	318.5	642.5	1074.4	1290.5	1439.1	1736.2	1959.2	1944.6
107.5°	259.2	304.1	348.8	360.1	645.7	1026.6	1217.1	1424.4	1839.0	2150.0	2153.5
110°	292.3	332.7	373.1	383.3	640.8	984.2	1156.0	1387.7	1851.2	2198.9	2214.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	324.6	363.1	401.7	411.4	641.0	947.3	1100.4	1337.6	1812.0	2167.7	2191.1
115°	373.5	409.1	444.7	453.6	646.9	904.8	1033.7	1262.2	1719.2	2061.9	2094.4
117.5°	421.8	454.2	486.5	494.6	659.0	878.2	987.9	1194.0	1606.5	1915.8	1951.7
120°	449.9	480.3	510.7	518.3	668.7	869.3	969.5	1158.0	1534.8	1817.4	1852.3
122.5°	477.4	508.2	538.8	546.5	682.8	864.5	955.4	1125.1	1464.5	1719.0	1753.4
125°	519.6	547.6	575.5	582.5	701.7	860.7	940.2	1084.3	1372.5	1588.7	1620.5
127.5°	553.8	582.1	610.3	617.4	720.8	858.5	927.3	1051.1	1298.6	1484.2	1510.9
130°	572.2	602.5	633.0	640.6	734.6	859.9	922.5	1032.6	1253.0	1418.3	1443.0
132.5°	591.1	621.6	652.0	659.6	745.8	860.7	918.2	1016.8	1214.1	1362.0	1384.1
135°	619.2	646.9	674.7	681.6	758.0	859.9	910.9	993.5	1158.6	1282.5	1301.6
137.5°	648.0	675.4	702.8	709.7	776.4	865.2	909.6	979.4	1119.1	1223.8	1239.4
140°	671.9	697.1	722.3	728.7	787.5	866.1	905.3	965.7	1086.3	1176.8	1191.4
142.5°	690.2	713.6	736.9	742.8	797.0	869.3	905.3	958.3	1064.3	1143.8	1156.3
145°	718.3	738.7	759.0	764.2	809.2	869.3	899.2	942.6	1029.3	1094.3	1103.7
147.5°	746.4	766.2	786.1	791.1	827.2	875.2	899.2	933.3	1001.5	1052.7	1060.5
150°	764.7	782.7	800.6	805.1	836.4	878.3	899.2	928.0	985.6	1028.8	1035.2
152.5°	783.7	797.3	810.9	814.2	842.5	880.3	899.2	923.8	973.0	1009.9	1014.7
155°	811.8	821.8	831.9	834.5	856.0	884.8	899.2	918.8	957.9	987.3	990.4
157.5°	832.6	842.3	852.1	854.6	869.5	889.3	899.2	914.4	944.9	967.7	969.9
160°	846.7	854.3	861.9	863.7	875.6	891.3	899.2	912.2	938.4	957.9	959.2
162.5°	860.7	866.4	872.1	873.6	882.2	893.5	899.2	910.3	932.3	948.7	949.9
165°	876.0	881.1	886.3	887.6	891.4	896.7	899.2	907.1	922.9	934.7	936.0
167.5°	890.1	892.5	895.0	895.6	898.8	903.2	905.3	910.5	920.8	928.6	929.1
170°	899.2	901.7	904.2	904.8	905.0	905.2	905.3	910.5	920.8	928.6	928.6
172.5°	904.2	904.7	905.2	905.3	905.3	905.3	905.3	909.4	917.6	923.7	923.2
175°	910.9	910.9	910.9	910.9	909.0	906.5	905.3	907.9	913.1	917.0	917.0
177.5°	910.9	910.9	910.9	910.9	909.4	907.5	906.5	908.6	912.6	915.7	915.2
180°	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9



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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°	23.3	23.3	23.3	23.3	23.3	31.0	41.3	46.4	39.9	26.9	17.2
92.5°	93.1	74.5	93.1	111.5	116.2	164.7	229.3	261.7	229.7	165.9	118.0
95°	324.4	268.4	324.4	380.3	394.3	517.7	682.4	764.7	645.8	408.1	229.8
97.5°	777.1	670.6	777.1	883.7	910.3	988.3	1092.3	1144.4	946.2	549.8	252.5
100°	1119.7	992.8	1119.7	1246.5	1278.3	1272.5	1264.9	1261.1	1041.2	601.4	271.4
102.5°	1456.6	1348.0	1456.6	1565.3	1592.5	1493.0	1360.4	1294.1	1071.1	624.9	290.4
105°	1886.1	1827.7	1886.1	1944.6	1959.2	1736.2	1439.1	1290.5	1074.4	642.5	318.5
107.5°	2167.6	2181.7	2167.6	2153.5	2150.0	1839.0	1424.4	1217.1	1026.6	645.7	360.1
110°	2275.0	2335.8	2275.0	2214.1	2198.9	1851.2	1387.7	1156.0	984.2	640.8	383.3



TEST NUMBER: P934893

CATALOG NUMBER: SQ4-FA-075U-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°	2284.5	2377.9	2284.5	2191.1	2167.7	1812.0	1337.6	1100.4	947.3	641.0	411.4
115°	2223.9	2353.5	2223.9	2094.4	2061.9	1719.2	1262.2	1033.7	904.8	646.9	453.6
117.5°	2095.4	2239.2	2095.4	1951.7	1915.8	1606.5	1194.0	987.9	878.2	659.0	494.6
120°	1992.0	2131.6	1992.0	1852.3	1817.4	1534.8	1158.0	969.5	869.3	668.7	518.3
122.5°	1891.1	2028.9	1891.1	1753.4	1719.0	1464.5	1125.1	955.4	864.5	682.8	546.5
125°	1747.4	1874.3	1747.4	1620.5	1588.7	1372.5	1084.3	940.2	860.7	701.7	582.5
127.5°	1618.0	1725.1	1618.0	1510.9	1484.2	1298.6	1051.1	927.3	858.5	720.8	617.4
130°	1541.8	1640.7	1541.8	1443.0	1418.3	1253.0	1032.6	922.5	859.9	734.6	640.6
132.5°	1472.7	1561.2	1472.7	1384.1	1362.0	1214.1	1016.8	918.2	860.7	745.8	659.6
135°	1377.9	1454.3	1377.9	1301.6	1282.5	1158.6	993.5	910.9	859.9	758.0	681.6
137.5°	1301.9	1364.4	1301.9	1239.4	1223.8	1119.1	979.4	909.6	865.2	776.4	709.7
140°	1249.9	1308.2	1249.9	1191.4	1176.8	1086.3	965.7	905.3	866.1	787.5	728.7
142.5°	1206.6	1256.9	1206.6	1156.3	1143.8	1064.3	958.3	905.3	869.3	797.0	742.8
145°	1141.8	1179.8	1141.8	1103.7	1094.3	1029.3	942.6	899.2	869.3	809.2	764.2
147.5°	1092.0	1123.5	1092.0	1060.5	1052.7	1001.5	933.3	899.2	875.2	827.2	791.1
150°	1060.7	1086.3	1060.7	1035.2	1028.8	985.6	928.0	899.2	878.3	836.4	805.1
152.5°	1033.9	1053.2	1033.9	1014.7	1009.9	973.0	923.8	899.2	880.3	842.5	814.2
155°	1003.3	1016.0	1003.3	990.4	987.3	957.9	918.8	899.2	884.8	856.0	834.5
157.5°	978.9	987.9	978.9	969.9	967.7	944.9	914.4	899.2	889.3	869.5	854.6
160°	964.4	969.5	964.4	959.2	957.9	938.4	912.2	899.2	891.3	875.6	863.7
162.5°	954.8	959.8	954.8	949.9	948.7	932.3	910.3	899.2	893.5	882.2	873.6
165°	941.1	946.3	941.1	936.0	934.7	922.9	907.1	899.2	896.7	891.4	887.6
167.5°	931.3	933.4	931.3	929.1	928.6	920.8	910.5	905.3	903.2	898.8	895.6
170°	928.6	928.6	928.6	928.6	928.6	920.8	910.5	905.3	905.2	905.0	904.8
172.5°	921.3	919.4	921.3	923.2	923.7	917.6	909.4	905.3	905.3	905.3	905.3
175°	917.0	917.0	917.0	917.0	917.0	913.1	907.9	905.3	906.5	909.0	910.9
177.5°	913.0	910.9	913.0	915.2	915.7	912.6	908.6	906.5	907.5	909.4	910.9
180°	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9



TEST NUMBER: P934893

CATALOG NUMBER: SQ4-FA-075U-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°	16.0	11.0	6.1	11.0	16.0	17.2	26.9	39.9	46.4	41.3	31.0
92.5°	107.7	66.1	24.5	66.1	107.7	118.0	165.9	229.7	261.7	229.3	164.7
95°	210.8	134.8	58.7	134.8	210.8	229.8	408.1	645.8	764.7	682.4	517.7
97.5°	235.8	168.6	101.5	168.6	235.8	252.5	549.8	946.2	1144.4	1092.3	988.3
100°	256.3	195.3	134.5	195.3	256.3	271.4	601.4	1041.2	1261.1	1264.9	1272.5
102.5°	276.2	219.4	162.6	219.4	276.2	290.4	624.9	1071.1	1294.1	1360.4	1493.0
105°	306.4	258.4	210.3	258.4	306.4	318.5	642.5	1074.4	1290.5	1439.1	1736.2
107.5°	348.8	304.1	259.2	304.1	348.8	360.1	645.7	1026.6	1217.1	1424.4	1839.0
110°	373.1	332.7	292.3	332.7	373.1	383.3	640.8	984.2	1156.0	1387.7	1851.2



TEST NUMBER: P934893

CATALOG NUMBER: SQ4-FA-075U-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°	401.7	363.1	324.6	363.1	401.7	411.4	641.0	947.3	1100.4	1337.6	1812.0
115°	444.7	409.1	373.5	409.1	444.7	453.6	646.9	904.8	1033.7	1262.2	1719.2
117.5°	486.5	454.2	421.8	454.2	486.5	494.6	659.0	878.2	987.9	1194.0	1606.5
120°	510.7	480.3	449.9	480.3	510.7	518.3	668.7	869.3	969.5	1158.0	1534.8
122.5°	538.8	508.2	477.4	508.2	538.8	546.5	682.8	864.5	955.4	1125.1	1464.5
125°	575.5	547.6	519.6	547.6	575.5	582.5	701.7	860.7	940.2	1084.3	1372.5
127.5°	610.3	582.1	553.8	582.1	610.3	617.4	720.8	858.5	927.3	1051.1	1298.6
130°	633.0	602.5	572.2	602.5	633.0	640.6	734.6	859.9	922.5	1032.6	1253.0
132.5°	652.0	621.6	591.1	621.6	652.0	659.6	745.8	860.7	918.2	1016.8	1214.1
135°	674.7	646.9	619.2	646.9	674.7	681.6	758.0	859.9	910.9	993.5	1158.6
137.5°	702.8	675.4	648.0	675.4	702.8	709.7	776.4	865.2	909.6	979.4	1119.1
140°	722.3	697.1	671.9	697.1	722.3	728.7	787.5	866.1	905.3	965.7	1086.3
142.5°	736.9	713.6	690.2	713.6	736.9	742.8	797.0	869.3	905.3	958.3	1064.3
145°	759.0	738.7	718.3	738.7	759.0	764.2	809.2	869.3	899.2	942.6	1029.3
147.5°	786.1	766.2	746.4	766.2	786.1	791.1	827.2	875.2	899.2	933.3	1001.5
150°	800.6	782.7	764.7	782.7	800.6	805.1	836.4	878.3	899.2	928.0	985.6
152.5°	810.9	797.3	783.7	797.3	810.9	814.2	842.5	880.3	899.2	923.8	973.0
155°	831.9	821.8	811.8	821.8	831.9	834.5	856.0	884.8	899.2	918.8	957.9
157.5°	852.1	842.3	832.6	842.3	852.1	854.6	869.5	889.3	899.2	914.4	944.9
160°	861.9	854.3	846.7	854.3	861.9	863.7	875.6	891.3	899.2	912.2	938.4
162.5°	872.1	866.4	860.7	866.4	872.1	873.6	882.2	893.5	899.2	910.3	932.3
165°	886.3	881.1	876.0	881.1	886.3	887.6	891.4	896.7	899.2	907.1	922.9
167.5°	895.0	892.5	890.1	892.5	895.0	895.6	898.8	903.2	905.3	910.5	920.8
170°	904.2	901.7	899.2	901.7	904.2	904.8	905.0	905.2	905.3	910.5	920.8
172.5°	905.2	904.7	904.2	904.7	905.2	905.3	905.3	905.3	905.3	909.4	917.6
175°	910.9	910.9	910.9	910.9	910.9	910.9	909.0	906.5	905.3	907.9	913.1
177.5°	910.9	910.9	910.9	910.9	910.9	910.9	909.4	907.5	906.5	908.6	912.6
180°	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9



TEST NUMBER: P934893

CATALOG NUMBER: SQ4-FA-075U-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°	23.3	23.3	23.3	23.3	23.3	23.3	23.3	31.0	41.3	46.4	39.9
92.5°	116.2	111.5	93.1	74.5	93.1	111.5	116.2	164.7	229.3	261.7	229.7
95°	394.3	380.3	324.4	268.4	324.4	380.3	394.3	517.7	682.4	764.7	645.8
97.5°	910.3	883.7	777.1	670.6	777.1	883.7	910.3	988.3	1092.3	1144.4	946.2
100°	1278.3	1246.5	1119.7	992.8	1119.7	1246.5	1278.3	1272.5	1264.9	1261.1	1041.2
102.5°	1592.5	1565.3	1456.6	1348.0	1456.6	1565.3	1592.5	1493.0	1360.4	1294.1	1071.1
105°	1959.2	1944.6	1886.1	1827.7	1886.1	1944.6	1959.2	1736.2	1439.1	1290.5	1074.4
107.5°	2150.0	2153.5	2167.6	2181.7	2167.6	2153.5	2150.0	1839.0	1424.4	1217.1	1026.6
110°	2198.9	2214.1	2275.0	2335.8	2275.0	2214.1	2198.9	1851.2	1387.7	1156.0	984.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2167.7	2191.1	2284.5	2377.9	2284.5	2191.1	2167.7	1812.0	1337.6	1100.4	947.3
115°	2061.9	2094.4	2223.9	2353.5	2223.9	2094.4	2061.9	1719.2	1262.2	1033.7	904.8
117.5°	1915.8	1951.7	2095.4	2239.2	2095.4	1951.7	1915.8	1606.5	1194.0	987.9	878.2
120°	1817.4	1852.3	1992.0	2131.6	1992.0	1852.3	1817.4	1534.8	1158.0	969.5	869.3
122.5°	1719.0	1753.4	1891.1	2028.9	1891.1	1753.4	1719.0	1464.5	1125.1	955.4	864.5
125°	1588.7	1620.5	1747.4	1874.3	1747.4	1620.5	1588.7	1372.5	1084.3	940.2	860.7
127.5°	1484.2	1510.9	1618.0	1725.1	1618.0	1510.9	1484.2	1298.6	1051.1	927.3	858.5
130°	1418.3	1443.0	1541.8	1640.7	1541.8	1443.0	1418.3	1253.0	1032.6	922.5	859.9
132.5°	1362.0	1384.1	1472.7	1561.2	1472.7	1384.1	1362.0	1214.1	1016.8	918.2	860.7
135°	1282.5	1301.6	1377.9	1454.3	1377.9	1301.6	1282.5	1158.6	993.5	910.9	859.9
137.5°	1223.8	1239.4	1301.9	1364.4	1301.9	1239.4	1223.8	1119.1	979.4	909.6	865.2
140°	1176.8	1191.4	1249.9	1308.2	1249.9	1191.4	1176.8	1086.3	965.7	905.3	866.1
142.5°	1143.8	1156.3	1206.6	1256.9	1206.6	1156.3	1143.8	1064.3	958.3	905.3	869.3
145°	1094.3	1103.7	1141.8	1179.8	1141.8	1103.7	1094.3	1029.3	942.6	899.2	869.3
147.5°	1052.7	1060.5	1092.0	1123.5	1092.0	1060.5	1052.7	1001.5	933.3	899.2	875.2
150°	1028.8	1035.2	1060.7	1086.3	1060.7	1035.2	1028.8	985.6	928.0	899.2	878.3
152.5°	1009.9	1014.7	1033.9	1053.2	1033.9	1014.7	1009.9	973.0	923.8	899.2	880.3
155°	987.3	990.4	1003.3	1016.0	1003.3	990.4	987.3	957.9	918.8	899.2	884.8
157.5°	967.7	969.9	978.9	987.9	978.9	969.9	967.7	944.9	914.4	899.2	889.3
160°	957.9	959.2	964.4	969.5	964.4	959.2	957.9	938.4	912.2	899.2	891.3
162.5°	948.7	949.9	954.8	959.8	954.8	949.9	948.7	932.3	910.3	899.2	893.5
165°	934.7	936.0	941.1	946.3	941.1	936.0	934.7	922.9	907.1	899.2	896.7
167.5°	928.6	929.1	931.3	933.4	931.3	929.1	928.6	920.8	910.5	905.3	903.2
170°	928.6	928.6	928.6	928.6	928.6	928.6	928.6	920.8	910.5	905.3	905.2
172.5°	923.7	923.2	921.3	919.4	921.3	923.2	923.7	917.6	909.4	905.3	905.3
175°	917.0	917.0	917.0	917.0	917.0	917.0	917.0	913.1	907.9	905.3	906.5
177.5°	915.7	915.2	913.0	910.9	913.0	915.2	915.7	912.6	908.6	906.5	907.5
180°	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9	910.9



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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°	26.9	17.2	16.0	11.0	6.1
92.5°	165.9	118.0	107.7	66.1	24.5
95°	408.1	229.8	210.8	134.8	58.7
97.5°	549.8	252.5	235.8	168.6	101.5
100°	601.4	271.4	256.3	195.3	134.5
102.5°	624.9	290.4	276.2	219.4	162.6
105°	642.5	318.5	306.4	258.4	210.3
107.5°	645.7	360.1	348.8	304.1	259.2
110°	640.8	383.3	373.1	332.7	292.3



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CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	641.0	411.4	401.7	363.1	324.6
115°	646.9	453.6	444.7	409.1	373.5
117.5°	659.0	494.6	486.5	454.2	421.8
120°	668.7	518.3	510.7	480.3	449.9
122.5°	682.8	546.5	538.8	508.2	477.4
125°	701.7	582.5	575.5	547.6	519.6
127.5°	720.8	617.4	610.3	582.1	553.8
130°	734.6	640.6	633.0	602.5	572.2
132.5°	745.8	659.6	652.0	621.6	591.1
135°	758.0	681.6	674.7	646.9	619.2
137.5°	776.4	709.7	702.8	675.4	648.0
140°	787.5	728.7	722.3	697.1	671.9
142.5°	797.0	742.8	736.9	713.6	690.2
145°	809.2	764.2	759.0	738.7	718.3
147.5°	827.2	791.1	786.1	766.2	746.4
150°	836.4	805.1	800.6	782.7	764.7
152.5°	842.5	814.2	810.9	797.3	783.7
155°	856.0	834.5	831.9	821.8	811.8
157.5°	869.5	854.6	852.1	842.3	832.6
160°	875.6	863.7	861.9	854.3	846.7
162.5°	882.2	873.6	872.1	866.4	860.7
165°	891.4	887.6	886.3	881.1	876.0
167.5°	898.8	895.6	895.0	892.5	890.1
170°	905.0	904.8	904.2	901.7	899.2
172.5°	905.3	905.3	905.2	904.7	904.2
175°	909.0	910.9	910.9	910.9	910.9
177.5°	909.4	910.9	910.9	910.9	910.9
180°	910.9	910.9	910.9	910.9	910.9



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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	14.09	14.99	15.00	15.93	17.13	16.92	17.83	17.84	18.76	19.97
	3H	14.57	15.38	15.49	16.32	17.55	18.28	19.09	19.20	20.03	21.26
	4H	14.76	15.53	15.70	16.48	17.71	18.72	19.49	19.67	20.44	21.67
	6H	14.88	15.59	15.83	16.54	17.79	19.01	19.72	19.97	20.67	21.92
	8H	14.88	15.56	15.84	16.53	17.77	19.09	19.76	20.05	20.73	21.98
	12H	14.86	15.50	15.82	16.46	17.73	19.13	19.77	20.10	20.74	22.01
4H	2H	15.13	15.89	16.07	16.84	18.08	17.34	18.11	18.29	19.05	20.29
	3H	16.16	16.80	17.12	17.78	19.03	18.85	19.49	19.81	20.47	21.72
	4H	16.44	17.02	17.40	17.99	19.27	19.38	19.97	20.35	20.94	22.21
	6H	16.56	17.07	17.54	18.06	19.34	19.75	20.26	20.73	21.25	22.52
	8H	16.57	17.04	17.55	18.03	19.32	19.86	20.33	20.84	21.32	22.61
	12H	16.54	16.96	17.54	17.97	19.26	19.92	20.35	20.92	21.35	22.64
8H	4H	16.89	17.36	17.88	18.35	19.64	19.51	19.98	20.49	20.97	22.26
	6H	17.16	17.55	18.16	18.58	19.86	19.95	20.34	20.96	21.37	22.66
	8H	17.20	17.54	18.22	18.56	19.87	20.10	20.45	21.12	21.47	22.77
	12H	17.19	17.49	18.21	18.50	19.85	20.21	20.51	21.23	21.52	22.87
12H	4H	16.90	17.33	17.90	18.33	19.63	19.48	19.90	20.48	20.91	22.20
	6H	17.22	17.56	18.23	18.58	19.88	19.95	20.29	20.96	21.31	22.61
	8H	17.29	17.59	18.31	18.60	19.95	20.11	20.41	21.13	21.43	22.78