

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: P934449

Luminaire Tested: SQ4-FA-050U-100D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934449
REPORT IS A COMBINATION OF REPORTS P933697 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-100D-930-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

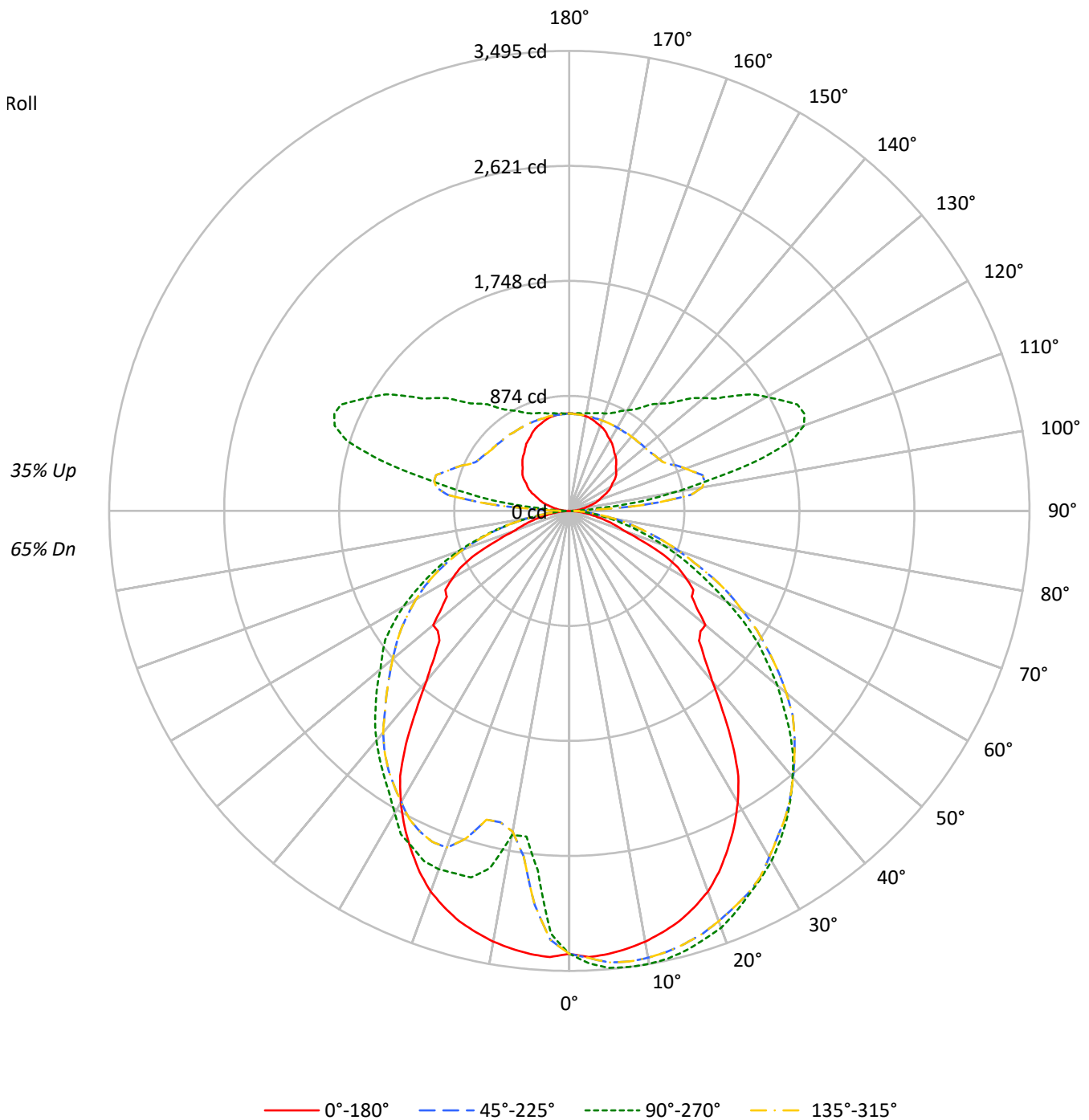
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13521.7 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 135.6
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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10406	10406	10406	10406
5°	10488	10505	10488	8260
10°	10421	10347	10421	7397
15°	10312	10123	10312	8453
20°	10100	9858	10100	8471
25°	9663	9470	9663	8291
30°	9096	9149	9096	7897
35°	8113	8742	8113	7464
40°	6764	8263	6764	7137
45°	6048	7702	6048	6760
50°	6430	7034	6430	6383
55°	6055	6314	6055	6164
60°	6250	5362	6250	5646
65°	5675	4433	5675	4955
70°	3940	3533	3940	4154
75°	3468	2611	3468	3127
80°	2815	1726	2815	1880
85°	1649	914	1649	777

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9263 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.7	2.2
10°-20°	862.2	6.4
20°-30°	1332.9	9.9
30°-40°	1591.2	11.8
40°-50°	1600.5	11.8
50°-60°	1392.6	10.3
60°-70°	987.4	7.3
70°-80°	522.4	3.9
80°-90°	132.9	1.0
90°-100°	360.6	2.7
100°-110°	948.1	7.0
110°-120°	983.1	7.3
120°-130°	788.5	5.8
130°-140°	618.7	4.6
140°-150°	474.9	3.5
150°-160°	342.0	2.5
160°-170°	209.3	1.5
170°-180°	70.7	0.5
0°-30°	2498.8	18.5
0°-40°	4090.0	30.2
0°-60°	7083.1	52.4
0°-90°	8725.8	64.5
90°-120°	2291.7	16.9
90°-150°	4173.9	30.9
90°-180°	4796.0	35.5
0°-180°	13521.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3364	3364	3364	3364	3364	
5°	3380	3485	3380	2740	3380	321
15°	3227	3453	3227	2884	3227	908
25°	2842	3221	2842	2820	2842	1305
35°	2161	2874	2161	2454	2161	1337
45°	1394	2368	1394	2078	1394	1117
55°	1136	1747	1136	1706	1136	1044
65°	789	1054	789	1178	789	754
75°	299	500	299	598	299	315
85°	51	127	51	108	51	69
90°	5	19	5	19	5	6
95°	48	218	48	218	48	53
105°	171	1485	171	1485	171	181
115°	303	1912	303	1912	303	300
125°	422	1522	422	1522	422	375
135°	503	1181	503	1181	503	389
145°	583	958	583	958	583	365
155°	659	825	659	825	659	303
165°	712	769	712	769	712	201
175°	740	745	740	745	740	70
180°	740	740	740	740	740	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3392.9	3392.9	3412.0	3418.4	3418.4	3408.8	3399.3	3408.8	3437.5	3447.0	3443.8
5°	3380.2	3405.7	3440.7	3447.0	3453.4	3450.3	3443.8	3450.3	3482.0	3488.4	3491.6
7.5°	3354.7	3402.5	3447.0	3456.6	3466.1	3456.6	3453.4	3459.8	3491.6	3497.9	3497.9
10°	3322.9	3389.8	3440.7	3447.0	3456.6	3447.0	3447.0	3459.8	3491.6	3497.9	3501.2
12.5°	3278.3	3370.7	3418.4	3424.8	3437.5	3434.3	3431.1	3443.8	3475.7	3482.0	3482.0
15°	3227.4	3335.7	3380.2	3386.6	3408.8	3402.5	3402.5	3415.2	3450.3	3459.8	3456.6
17.5°	3157.4	3291.1	3342.0	3351.6	3367.5	3364.2	3367.5	3380.2	3412.0	3418.4	3421.6
20°	3077.8	3230.6	3291.1	3300.7	3316.6	3316.6	3316.6	3332.4	3364.2	3377.0	3377.0
22.5°	2969.6	3167.0	3230.6	3237.0	3256.1	3256.1	3262.4	3284.7	3313.3	3316.6	3316.6
25°	2842.3	3096.9	3151.1	3170.2	3189.2	3198.8	3208.3	3221.1	3230.6	3227.4	3230.6
27.5°	2708.6	3007.8	3077.8	3090.6	3116.0	3125.6	3138.3	3141.5	3144.6	3154.2	3147.8
30°	2559.0	2883.7	2988.7	3001.5	3042.8	3049.2	3036.5	3042.8	3058.7	3065.1	3071.5
32.5°	2390.3	2699.0	2896.4	2925.0	2963.2	2944.1	2941.0	2950.5	2976.0	2976.0	2982.3
35°	2161.2	2555.9	2810.5	2836.0	2864.5	2842.3	2855.0	2858.2	2874.1	2883.7	2880.5
37.5°	1909.7	2431.7	2721.4	2740.5	2762.7	2734.1	2753.2	2762.7	2775.5	2769.1	2769.1
40°	1686.9	2237.6	2616.3	2629.0	2648.1	2625.9	2644.9	2651.3	2657.7	2651.3	2648.1
42.5°	1521.4	2024.3	2504.9	2520.9	2508.1	2524.0	2530.3	2543.1	2533.5	2520.9	2520.9
45°	1394.1	1967.0	2383.9	2403.1	2383.9	2409.4	2419.0	2419.0	2390.3	2383.9	2380.8
47.5°	1352.7	1852.4	2263.0	2263.0	2253.5	2285.3	2301.2	2278.9	2250.2	2240.8	2240.8
50°	1349.5	1725.1	2097.5	2084.7	2129.3	2167.5	2151.6	2129.3	2107.1	2072.1	2072.1
52.5°	1225.4	1569.1	1884.2	1932.0	2002.0	2024.3	1998.8	1976.6	1938.4	1922.5	1909.7
55°	1136.2	1406.9	1690.1	1785.6	1858.8	1887.5	1839.7	1817.4	1760.1	1750.5	1744.2
57.5°	1117.2	1171.3	1511.9	1632.8	1722.0	1718.7	1690.1	1648.7	1600.9	1591.5	1588.3
60°	1024.9	846.6	1320.9	1464.1	1556.5	1546.9	1521.4	1483.2	1438.7	1432.3	1425.9
62.5°	929.4	614.3	1104.4	1266.8	1397.3	1394.1	1371.8	1314.5	1282.7	1266.8	1254.0
65°	789.3	515.6	786.1	1053.5	1241.3	1247.7	1199.9	1158.6	1123.6	1104.4	1101.2
67.5°	601.5	420.1	531.5	878.5	1091.8	1085.3	1024.9	1005.8	961.2	951.6	932.6
70°	445.6	280.1	369.2	713.0	945.3	929.4	881.6	859.4	818.0	795.7	783.0
72.5°	369.2	226.0	270.5	553.8	795.7	776.6	735.2	709.8	674.8	655.6	643.0
75°	299.2	238.7	206.9	410.6	646.1	633.4	595.2	569.7	541.1	515.6	518.8
77.5°	219.6	222.8	165.5	302.4	512.5	493.4	471.0	439.2	426.5	401.0	401.0
80°	165.5	175.1	124.1	206.9	369.2	369.2	350.1	327.9	305.5	292.9	292.9
82.5°	111.4	111.4	92.3	130.5	251.4	241.9	229.2	222.8	210.1	203.7	203.7
85°	50.9	63.7	57.3	79.6	136.8	143.3	143.3	136.8	133.7	127.3	130.5
87.5°	15.9	28.7	35.0	44.6	70.0	73.2	76.4	76.4	76.4	79.6	79.6
90°	5.0	8.9	12.9	13.9	21.8	32.4	37.7	33.6	25.1	18.9	18.9
92.5°	19.8	53.6	87.4	95.8	134.7	186.5	212.5	186.2	133.7	94.4	90.6
95°	47.7	109.4	171.3	186.7	331.5	524.6	621.1	554.2	420.5	320.2	308.8
97.5°	82.4	136.9	191.4	205.1	446.5	768.5	929.5	887.2	802.7	739.3	717.7
100°	109.2	158.7	208.1	220.4	488.4	845.6	1024.3	1027.4	1033.5	1038.2	1012.4
102.5°	132.1	178.2	224.3	235.8	507.6	870.0	1051.1	1104.9	1212.6	1293.4	1271.3
105°	170.8	209.8	248.8	258.6	521.8	872.7	1048.2	1168.8	1410.2	1591.3	1579.4
107.5°	210.5	246.9	283.4	292.5	524.5	833.9	988.6	1157.0	1493.7	1746.3	1749.2
110°	237.4	270.2	303.1	311.3	520.5	799.5	938.9	1127.2	1503.6	1786.0	1798.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	263.6	294.9	326.3	334.1	520.7	769.4	893.7	1086.4	1471.7	1760.7	1779.6
115°	303.4	332.3	361.2	368.4	525.5	734.9	839.6	1025.2	1396.3	1674.7	1701.1
117.5°	342.6	368.8	395.1	401.7	535.2	713.3	802.4	969.9	1304.8	1556.1	1585.2
120°	365.4	390.2	414.8	421.0	543.1	706.1	787.5	940.6	1246.6	1476.2	1504.5
122.5°	387.8	412.7	437.6	443.9	554.6	702.2	776.0	913.8	1189.5	1396.2	1424.1
125°	422.1	444.8	467.5	473.2	570.0	699.1	763.7	880.7	1114.8	1290.4	1316.2
127.5°	449.8	472.8	495.8	501.5	585.4	697.2	753.2	853.7	1054.7	1205.5	1227.3
130°	464.8	489.5	514.2	520.3	596.6	698.4	749.3	838.7	1017.7	1151.9	1172.0
132.5°	480.1	504.8	529.6	535.8	605.8	699.1	745.7	825.9	986.1	1106.2	1124.2
135°	503.0	525.5	548.0	553.6	615.7	698.4	739.8	806.9	941.1	1041.7	1057.2
137.5°	526.3	548.6	570.9	576.5	630.6	702.8	738.8	795.5	909.0	994.0	1006.7
140°	545.6	566.2	586.7	591.8	639.7	703.4	735.3	784.3	882.3	955.8	967.7
142.5°	560.6	579.5	598.6	603.3	647.3	706.0	735.3	778.3	864.4	929.0	939.2
145°	583.4	599.9	616.5	620.6	657.3	706.0	730.4	765.6	836.0	888.8	896.5
147.5°	606.3	622.3	638.5	642.5	671.8	710.9	730.4	758.1	813.5	855.0	861.5
150°	621.1	635.7	650.3	653.9	679.4	713.4	730.4	753.8	800.5	835.6	840.8
152.5°	636.5	647.5	658.6	661.4	684.4	715.1	730.4	750.4	790.3	820.3	824.2
155°	659.3	667.5	675.7	677.7	695.3	718.7	730.4	746.3	778.0	801.9	804.4
157.5°	676.3	684.2	692.1	694.1	706.2	722.4	730.4	742.8	767.4	786.0	787.8
160°	687.7	693.9	700.1	701.6	711.2	724.0	730.4	741.0	762.1	778.0	779.1
162.5°	699.1	703.7	708.4	709.5	716.5	725.8	730.4	739.3	757.1	770.6	771.5
165°	711.5	715.7	719.9	720.9	724.1	728.3	730.4	736.8	749.6	759.2	760.2
167.5°	722.9	724.9	726.9	727.4	730.0	733.5	735.3	739.5	747.9	754.2	754.7
170°	730.4	732.3	734.3	734.8	735.0	735.2	735.3	739.5	747.9	754.2	754.2
172.5°	734.3	734.7	735.2	735.3	735.3	735.3	735.3	738.6	745.3	750.2	749.8
175°	739.8	739.8	739.8	739.8	738.3	736.3	735.3	737.4	741.7	744.8	744.8
177.5°	739.8	739.8	739.8	739.8	738.7	737.2	736.4	738.0	741.3	743.8	743.3
180°	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3450.3	3440.7	3450.3	3443.8	3447.0	3437.5	3408.8	3399.3	3408.8	3418.4	3418.4
5°	3491.6	3485.3	3491.6	3491.6	3488.4	3482.0	3450.3	3443.8	3450.3	3453.4	3447.0
7.5°	3504.3	3494.8	3504.3	3497.9	3497.9	3491.6	3459.8	3453.4	3456.6	3466.1	3456.6
10°	3504.3	3494.8	3504.3	3501.2	3497.9	3491.6	3459.8	3447.0	3447.0	3456.6	3447.0
12.5°	3488.4	3482.0	3488.4	3482.0	3482.0	3475.7	3443.8	3431.1	3434.3	3437.5	3424.8
15°	3462.9	3453.4	3462.9	3456.6	3459.8	3450.3	3415.2	3402.5	3402.5	3408.8	3386.6
17.5°	3424.8	3412.0	3424.8	3421.6	3418.4	3412.0	3380.2	3367.5	3364.2	3367.5	3351.6
20°	3380.2	3370.7	3380.2	3377.0	3377.0	3364.2	3332.4	3316.6	3316.6	3316.6	3300.7
22.5°	3310.2	3300.7	3310.2	3316.6	3316.6	3313.3	3284.7	3262.4	3256.1	3256.1	3237.0
25°	3230.6	3221.1	3230.6	3230.6	3227.4	3230.6	3221.1	3208.3	3198.8	3189.2	3170.2
27.5°	3154.2	3147.8	3154.2	3147.8	3154.2	3144.6	3141.5	3138.3	3125.6	3116.0	3090.6
30°	3077.8	3071.5	3077.8	3071.5	3065.1	3058.7	3042.8	3036.5	3049.2	3042.8	3001.5
32.5°	2982.3	2976.0	2982.3	2982.3	2976.0	2976.0	2950.5	2941.0	2944.1	2963.2	2925.0
35°	2883.7	2874.1	2883.7	2880.5	2883.7	2874.1	2858.2	2855.0	2842.3	2864.5	2836.0
37.5°	2769.1	2759.5	2769.1	2769.1	2769.1	2775.5	2762.7	2753.2	2734.1	2762.7	2740.5
40°	2651.3	2638.6	2651.3	2648.1	2651.3	2657.7	2651.3	2644.9	2625.9	2648.1	2629.0
42.5°	2517.6	2514.4	2517.6	2520.9	2520.9	2533.5	2543.1	2530.3	2524.0	2508.1	2520.9
45°	2374.4	2368.0	2374.4	2380.8	2383.9	2390.3	2419.0	2419.0	2409.4	2383.9	2403.1
47.5°	2221.7	2205.8	2221.7	2240.8	2240.8	2250.2	2278.9	2301.2	2285.3	2253.5	2263.0
50°	2059.3	2062.5	2059.3	2072.1	2072.1	2107.1	2129.3	2151.6	2167.5	2129.3	2084.7
52.5°	1900.1	1897.0	1900.1	1909.7	1922.5	1938.4	1976.6	1998.8	2024.3	2002.0	1932.0
55°	1741.0	1747.4	1741.0	1744.2	1750.5	1760.1	1817.4	1839.7	1887.5	1858.8	1785.6
57.5°	1581.9	1572.4	1581.9	1588.3	1591.5	1600.9	1648.7	1690.1	1718.7	1722.0	1632.8
60°	1397.3	1384.5	1397.3	1425.9	1432.3	1438.7	1483.2	1521.4	1546.9	1556.5	1464.1
62.5°	1234.9	1212.7	1234.9	1254.0	1266.8	1282.7	1314.5	1371.8	1394.1	1397.3	1266.8
65°	1063.1	1053.5	1063.1	1101.2	1104.4	1123.6	1158.6	1199.9	1247.7	1241.3	1053.5
67.5°	907.1	907.1	907.1	932.6	951.6	961.2	1005.8	1024.9	1085.3	1091.8	878.5
70°	763.9	760.7	763.9	783.0	795.7	818.0	859.4	881.6	929.4	945.3	713.0
72.5°	627.1	623.9	627.1	643.0	655.6	674.8	709.8	735.2	776.6	795.7	553.8
75°	506.1	499.7	506.1	518.8	515.6	541.1	569.7	595.2	633.4	646.1	410.6
77.5°	388.3	388.3	388.3	401.0	401.0	426.5	439.2	471.0	493.4	512.5	302.4
80°	289.6	286.4	289.6	292.9	292.9	305.5	327.9	350.1	369.2	369.2	206.9
82.5°	203.7	197.3	203.7	203.7	203.7	210.1	222.8	229.2	241.9	251.4	130.5
85°	127.3	127.3	127.3	130.5	127.3	133.7	136.8	143.3	143.3	136.8	79.6
87.5°	82.8	79.6	82.8	79.6	79.6	76.4	76.4	76.4	73.2	70.0	44.6
90°	18.9	18.9	18.9	18.9	18.9	25.1	33.6	37.7	32.4	21.8	13.9
92.5°	75.6	60.5	75.6	90.6	94.4	133.7	186.2	212.5	186.5	134.7	95.8
95°	263.4	217.9	263.4	308.8	320.2	420.5	554.2	621.1	524.6	331.5	186.7
97.5°	631.2	544.7	631.2	717.7	739.3	802.7	887.2	929.5	768.5	446.5	205.1
100°	909.4	806.4	909.4	1012.4	1038.2	1033.5	1027.4	1024.3	845.6	488.4	220.4
102.5°	1183.1	1094.8	1183.1	1271.3	1293.4	1212.6	1104.9	1051.1	870.0	507.6	235.8
105°	1532.0	1484.6	1532.0	1579.4	1591.3	1410.2	1168.8	1048.2	872.7	521.8	258.6
107.5°	1760.6	1772.1	1760.6	1749.2	1746.3	1493.7	1157.0	988.6	833.9	524.5	292.5
110°	1847.7	1897.2	1847.7	1798.3	1786.0	1503.6	1127.2	938.9	799.5	520.5	311.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1855.6	1931.5	1855.6	1779.6	1760.7	1471.7	1086.4	893.7	769.4	520.7	334.1
115°	1806.3	1911.6	1806.3	1701.1	1674.7	1396.3	1025.2	839.6	734.9	525.5	368.4
117.5°	1702.0	1818.7	1702.0	1585.2	1556.1	1304.8	969.9	802.4	713.3	535.2	401.7
120°	1618.0	1731.3	1618.0	1504.5	1476.2	1246.6	940.6	787.5	706.1	543.1	421.0
122.5°	1536.1	1647.9	1536.1	1424.1	1396.2	1189.5	913.8	776.0	702.2	554.6	443.9
125°	1419.2	1522.3	1419.2	1316.2	1290.4	1114.8	880.7	763.7	699.1	570.0	473.2
127.5°	1314.2	1401.2	1314.2	1227.3	1205.5	1054.7	853.7	753.2	697.2	585.4	501.5
130°	1252.4	1332.7	1252.4	1172.0	1151.9	1017.7	838.7	749.3	698.4	596.6	520.3
132.5°	1196.1	1268.1	1196.1	1124.2	1106.2	986.1	825.9	745.7	699.1	605.8	535.8
135°	1119.2	1181.2	1119.2	1057.2	1041.7	941.1	806.9	739.8	698.4	615.7	553.6
137.5°	1057.5	1108.2	1057.5	1006.7	994.0	909.0	795.5	738.8	702.8	630.6	576.5
140°	1015.1	1062.5	1015.1	967.7	955.8	882.3	784.3	735.3	703.4	639.7	591.8
142.5°	980.1	1020.9	980.1	939.2	929.0	864.4	778.3	735.3	706.0	647.3	603.3
145°	927.4	958.3	927.4	896.5	888.8	836.0	765.6	730.4	706.0	657.3	620.6
147.5°	887.0	912.6	887.0	861.5	855.0	813.5	758.1	730.4	710.9	671.8	642.5
150°	861.5	882.3	861.5	840.8	835.6	800.5	753.8	730.4	713.4	679.4	653.9
152.5°	839.9	855.5	839.9	824.2	820.3	790.3	750.4	730.4	715.1	684.4	661.4
155°	814.9	825.2	814.9	804.4	801.9	778.0	746.3	730.4	718.7	695.3	677.7
157.5°	795.1	802.4	795.1	787.8	786.0	767.4	742.8	730.4	722.4	706.2	694.1
160°	783.3	787.5	783.3	779.1	778.0	762.1	741.0	730.4	724.0	711.2	701.6
162.5°	775.5	779.6	775.5	771.5	770.6	757.1	739.3	730.4	725.8	716.5	709.5
165°	764.5	768.6	764.5	760.2	759.2	749.6	736.8	730.4	728.3	724.1	720.9
167.5°	756.4	758.2	756.4	754.7	754.2	747.9	739.5	735.3	733.5	730.0	727.4
170°	754.2	754.2	754.2	754.2	754.2	747.9	739.5	735.3	735.2	735.0	734.8
172.5°	748.3	746.8	748.3	749.8	750.2	745.3	738.6	735.3	735.3	735.3	735.3
175°	744.8	744.8	744.8	744.8	744.8	741.7	737.4	735.3	736.3	738.3	739.8
177.5°	741.6	739.8	741.6	743.3	743.8	741.3	738.0	736.4	737.2	738.7	739.8
180°	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3412.0	3392.9	3392.9	3361.1	3348.3	3338.8	3322.9	3275.2	3262.4	3249.7	3268.8
5°	3440.7	3405.7	3380.2	3322.9	3275.2	3256.1	3195.6	3081.0	3004.6	2947.3	2915.5
7.5°	3447.0	3402.5	3354.7	3265.6	3151.1	3100.1	2915.5	2705.5	2648.1	2597.2	2565.3
10°	3440.7	3389.8	3322.9	3189.2	2918.7	2829.5	2644.9	2508.1	2473.1	2463.5	2473.1
12.5°	3418.4	3370.7	3278.3	3055.6	2676.8	2616.3	2508.1	2428.5	2422.2	2438.1	2524.0
15°	3380.2	3335.7	3227.4	2877.3	2543.1	2498.5	2422.2	2393.5	2428.5	2539.9	2797.7
17.5°	3342.0	3291.1	3157.4	2702.3	2441.3	2409.4	2355.3	2412.6	2609.9	2759.5	2845.5
20°	3291.1	3230.6	3077.8	2574.9	2368.0	2339.4	2313.9	2571.8	2721.4	2775.5	2823.2
22.5°	3230.6	3167.0	2969.6	2485.8	2291.7	2269.4	2285.3	2660.9	2721.4	2759.5	2800.9
25°	3151.1	3096.9	2842.3	2415.8	2231.2	2205.8	2266.2	2651.3	2686.4	2695.9	2778.6
27.5°	3077.8	3007.8	2708.6	2352.1	2158.0	2148.4	2282.1	2609.9	2635.4	2644.9	2734.1
30°	2988.7	2883.7	2559.0	2285.3	2081.6	2078.4	2285.3	2559.0	2552.7	2578.1	2667.2
32.5°	2896.4	2699.0	2390.3	2202.5	2008.4	2005.2	2263.0	2482.6	2476.3	2511.3	2578.1
35°	2810.5	2555.9	2161.2	2107.1	1916.1	1919.3	2208.9	2393.5	2396.7	2428.5	2469.9
37.5°	2721.4	2431.7	1909.7	2002.0	1827.0	1827.0	2135.7	2310.8	2304.4	2313.9	2371.3
40°	2616.3	2237.6	1686.9	1865.1	1744.2	1734.6	2046.6	2221.7	2199.3	2196.2	2275.8
42.5°	2504.9	2024.3	1521.4	1683.7	1648.7	1636.0	1938.4	2113.4	2072.1	2081.6	2183.4
45°	2383.9	1967.0	1394.1	1422.8	1550.0	1540.5	1820.6	1989.3	1960.6	1986.1	2091.2
47.5°	2263.0	1852.4	1352.7	1180.8	1445.0	1441.9	1690.1	1868.3	1852.4	1877.9	1989.3
50°	2097.5	1725.1	1349.5	1012.2	1327.3	1340.0	1534.1	1750.5	1750.5	1772.9	1890.6
52.5°	1884.2	1569.1	1225.4	916.6	1190.4	1228.6	1397.3	1648.7	1655.1	1677.4	1782.4
55°	1690.1	1406.9	1136.2	843.5	1028.1	1110.8	1263.6	1543.7	1556.5	1578.7	1674.2
57.5°	1511.9	1171.3	1117.2	757.6	878.5	958.1	1145.8	1441.9	1448.2	1467.3	1559.6
60°	1320.9	846.6	1024.9	665.2	748.0	808.5	1037.6	1320.9	1343.2	1355.9	1435.4
62.5°	1104.4	614.3	929.4	601.5	684.3	697.1	948.5	1206.3	1234.9	1244.5	1292.3
65°	786.1	515.6	789.3	547.5	617.5	620.6	853.0	1088.5	1114.0	1129.9	1164.9
67.5°	531.5	420.1	601.5	496.5	566.5	569.7	760.7	951.6	986.6	999.4	1021.7
70°	369.2	280.1	445.6	442.5	509.3	515.6	662.1	827.6	859.4	868.9	881.6
72.5°	270.5	226.0	369.2	397.9	448.8	455.1	560.2	687.5	719.3	728.9	735.2
75°	206.9	238.7	299.2	346.9	381.9	385.1	458.4	560.2	582.5	588.8	592.0
77.5°	165.5	222.8	219.6	280.1	311.9	305.5	359.7	432.9	451.9	451.9	451.9
80°	124.1	175.1	165.5	200.5	229.2	222.8	257.8	308.8	315.1	321.4	318.3
82.5°	92.3	111.4	111.4	127.3	152.8	146.4	171.8	200.5	200.5	200.5	206.9
85°	57.3	63.7	50.9	66.8	85.9	82.8	95.5	108.2	111.4	111.4	105.0
87.5°	35.0	28.7	15.9	25.5	38.2	38.2	44.6	47.8	44.6	44.6	44.6
90°	12.9	8.9	5.0	8.9	12.9	13.9	21.8	32.4	37.7	33.6	25.1
92.5°	87.4	53.6	19.8	53.6	87.4	95.8	134.7	186.5	212.5	186.2	133.7
95°	171.3	109.4	47.7	109.4	171.3	186.7	331.5	524.6	621.1	554.2	420.5
97.5°	191.4	136.9	82.4	136.9	191.4	205.1	446.5	768.5	929.5	887.2	802.7
100°	208.1	158.7	109.2	158.7	208.1	220.4	488.4	845.6	1024.3	1027.4	1033.5
102.5°	224.3	178.2	132.1	178.2	224.3	235.8	507.6	870.0	1051.1	1104.9	1212.6
105°	248.8	209.8	170.8	209.8	248.8	258.6	521.8	872.7	1048.2	1168.8	1410.2
107.5°	283.4	246.9	210.5	246.9	283.4	292.5	524.5	833.9	988.6	1157.0	1493.7
110°	303.1	270.2	237.4	270.2	303.1	311.3	520.5	799.5	938.9	1127.2	1503.6



TEST NUMBER: P934449

CATALOG NUMBER: SQ4-FA-050U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	326.3	294.9	263.6	294.9	326.3	334.1	520.7	769.4	893.7	1086.4	1471.7
115°	361.2	332.3	303.4	332.3	361.2	368.4	525.5	734.9	839.6	1025.2	1396.3
117.5°	395.1	368.8	342.6	368.8	395.1	401.7	535.2	713.3	802.4	969.9	1304.8
120°	414.8	390.2	365.4	390.2	414.8	421.0	543.1	706.1	787.5	940.6	1246.6
122.5°	437.6	412.7	387.8	412.7	437.6	443.9	554.6	702.2	776.0	913.8	1189.5
125°	467.5	444.8	422.1	444.8	467.5	473.2	570.0	699.1	763.7	880.7	1114.8
127.5°	495.8	472.8	449.8	472.8	495.8	501.5	585.4	697.2	753.2	853.7	1054.7
130°	514.2	489.5	464.8	489.5	514.2	520.3	596.6	698.4	749.3	838.7	1017.7
132.5°	529.6	504.8	480.1	504.8	529.6	535.8	605.8	699.1	745.7	825.9	986.1
135°	548.0	525.5	503.0	525.5	548.0	553.6	615.7	698.4	739.8	806.9	941.1
137.5°	570.9	548.6	526.3	548.6	570.9	576.5	630.6	702.8	738.8	795.5	909.0
140°	586.7	566.2	545.6	566.2	586.7	591.8	639.7	703.4	735.3	784.3	882.3
142.5°	598.6	579.5	560.6	579.5	598.6	603.3	647.3	706.0	735.3	778.3	864.4
145°	616.5	599.9	583.4	599.9	616.5	620.6	657.3	706.0	730.4	765.6	836.0
147.5°	638.5	622.3	606.3	622.3	638.5	642.5	671.8	710.9	730.4	758.1	813.5
150°	650.3	635.7	621.1	635.7	650.3	653.9	679.4	713.4	730.4	753.8	800.5
152.5°	658.6	647.5	636.5	647.5	658.6	661.4	684.4	715.1	730.4	750.4	790.3
155°	675.7	667.5	659.3	667.5	675.7	677.7	695.3	718.7	730.4	746.3	778.0
157.5°	692.1	684.2	676.3	684.2	692.1	694.1	706.2	722.4	730.4	742.8	767.4
160°	700.1	693.9	687.7	693.9	700.1	701.6	711.2	724.0	730.4	741.0	762.1
162.5°	708.4	703.7	699.1	703.7	708.4	709.5	716.5	725.8	730.4	739.3	757.1
165°	719.9	715.7	711.5	715.7	719.9	720.9	724.1	728.3	730.4	736.8	749.6
167.5°	726.9	724.9	722.9	724.9	726.9	727.4	730.0	733.5	735.3	739.5	747.9
170°	734.3	732.3	730.4	732.3	734.3	734.8	735.0	735.2	735.3	739.5	747.9
172.5°	735.2	734.7	734.3	734.7	735.2	735.3	735.3	735.3	735.3	738.6	745.3
175°	739.8	739.8	739.8	739.8	739.8	739.8	738.3	736.3	735.3	737.4	741.7
177.5°	739.8	739.8	739.8	739.8	739.8	739.8	738.7	737.2	736.4	738.0	741.3
180°	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8



TEST NUMBER: P934449

CATALOG NUMBER: SQ4-FA-050U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3246.5	3237.0	3249.7	3214.6	3249.7	3237.0	3246.5	3268.8	3249.7	3262.4	3275.2
5°	2848.6	2832.7	2781.8	2740.5	2781.8	2832.7	2848.6	2915.5	2947.3	3004.6	3081.0
7.5°	2546.3	2533.5	2520.9	2495.3	2520.9	2533.5	2546.3	2565.3	2597.2	2648.1	2705.5
10°	2479.4	2482.6	2501.7	2498.5	2501.7	2482.6	2479.4	2473.1	2463.5	2473.1	2508.1
12.5°	2651.3	2679.9	2785.0	2778.6	2785.0	2679.9	2651.3	2524.0	2438.1	2422.2	2428.5
15°	2848.6	2858.2	2880.5	2883.7	2880.5	2858.2	2848.6	2797.7	2539.9	2428.5	2393.5
17.5°	2867.8	2871.0	2886.9	2886.9	2886.9	2871.0	2867.8	2845.5	2759.5	2609.9	2412.6
20°	2851.9	2858.2	2890.0	2896.4	2890.0	2858.2	2851.9	2823.2	2775.5	2721.4	2571.8
22.5°	2845.5	2858.2	2883.7	2880.5	2883.7	2858.2	2845.5	2800.9	2759.5	2721.4	2660.9
25°	2813.6	2813.6	2816.8	2820.0	2816.8	2813.6	2813.6	2778.6	2695.9	2686.4	2651.3
27.5°	2746.8	2753.2	2772.3	2769.1	2772.3	2753.2	2746.8	2734.1	2644.9	2635.4	2609.9
30°	2686.4	2679.9	2664.0	2651.3	2664.0	2679.9	2686.4	2667.2	2578.1	2552.7	2559.0
32.5°	2584.5	2568.6	2552.7	2543.1	2552.7	2568.6	2584.5	2578.1	2511.3	2476.3	2482.6
35°	2463.5	2466.7	2463.5	2454.0	2463.5	2466.7	2463.5	2469.9	2428.5	2396.7	2393.5
37.5°	2377.6	2383.9	2380.8	2368.0	2380.8	2383.9	2377.6	2371.3	2313.9	2304.4	2310.8
40°	2288.5	2291.7	2288.5	2278.9	2288.5	2291.7	2288.5	2275.8	2196.2	2199.3	2221.7
42.5°	2202.5	2199.3	2189.8	2183.4	2189.8	2199.3	2202.5	2183.4	2081.6	2072.1	2113.4
45°	2103.9	2107.1	2088.0	2078.4	2088.0	2107.1	2103.9	2091.2	1986.1	1960.6	1989.3
47.5°	2005.2	2005.2	1989.3	1979.7	1989.3	2005.2	2005.2	1989.3	1877.9	1852.4	1868.3
50°	1900.1	1897.0	1874.7	1871.6	1874.7	1897.0	1900.1	1890.6	1772.9	1750.5	1750.5
52.5°	1779.2	1779.2	1782.4	1788.8	1782.4	1779.2	1779.2	1782.4	1677.4	1655.1	1648.7
55°	1674.2	1677.4	1699.6	1706.0	1699.6	1677.4	1674.2	1674.2	1578.7	1556.5	1543.7
57.5°	1565.9	1565.9	1581.9	1581.9	1581.9	1565.9	1565.9	1559.6	1467.3	1448.2	1441.9
60°	1441.9	1448.2	1460.9	1457.8	1460.9	1448.2	1441.9	1435.4	1355.9	1343.2	1320.9
62.5°	1311.3	1317.7	1320.9	1314.5	1320.9	1317.7	1311.3	1292.3	1244.5	1234.9	1206.3
65°	1174.5	1180.8	1184.0	1177.7	1184.0	1180.8	1174.5	1164.9	1129.9	1114.0	1088.5
67.5°	1034.4	1031.2	1028.1	1040.8	1028.1	1031.2	1034.4	1021.7	999.4	986.6	951.6
70°	891.2	891.2	888.0	894.4	888.0	891.2	891.2	881.6	868.9	859.4	827.6
72.5°	738.4	735.2	748.0	738.4	748.0	735.2	738.4	735.2	728.9	719.3	687.5
75°	588.8	595.2	588.8	598.4	588.8	595.2	588.8	592.0	588.8	582.5	560.2
77.5°	448.8	455.1	448.8	448.8	448.8	455.1	448.8	451.9	451.9	451.9	432.9
80°	318.3	315.1	315.1	311.9	315.1	315.1	318.3	318.3	321.4	315.1	308.8
82.5°	203.7	200.5	200.5	206.9	200.5	200.5	203.7	206.9	200.5	200.5	200.5
85°	111.4	114.6	108.2	108.2	108.2	114.6	111.4	105.0	111.4	111.4	108.2
87.5°	41.4	38.2	38.2	38.2	38.2	38.2	41.4	44.6	44.6	44.6	47.8
90°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	25.1	33.6	37.7	32.4
92.5°	94.4	90.6	75.6	60.5	75.6	90.6	94.4	133.7	186.2	212.5	186.5
95°	320.2	308.8	263.4	217.9	263.4	308.8	320.2	420.5	554.2	621.1	524.6
97.5°	739.3	717.7	631.2	544.7	631.2	717.7	739.3	802.7	887.2	929.5	768.5
100°	1038.2	1012.4	909.4	806.4	909.4	1012.4	1038.2	1033.5	1027.4	1024.3	845.6
102.5°	1293.4	1271.3	1183.1	1094.8	1183.1	1271.3	1293.4	1212.6	1104.9	1051.1	870.0
105°	1591.3	1579.4	1532.0	1484.6	1532.0	1579.4	1591.3	1410.2	1168.8	1048.2	872.7
107.5°	1746.3	1749.2	1760.6	1772.1	1760.6	1749.2	1746.3	1493.7	1157.0	988.6	833.9
110°	1786.0	1798.3	1847.7	1897.2	1847.7	1798.3	1786.0	1503.6	1127.2	938.9	799.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1760.7	1779.6	1855.6	1931.5	1855.6	1779.6	1760.7	1471.7	1086.4	893.7	769.4
115°	1674.7	1701.1	1806.3	1911.6	1806.3	1701.1	1674.7	1396.3	1025.2	839.6	734.9
117.5°	1556.1	1585.2	1702.0	1818.7	1702.0	1585.2	1556.1	1304.8	969.9	802.4	713.3
120°	1476.2	1504.5	1618.0	1731.3	1618.0	1504.5	1476.2	1246.6	940.6	787.5	706.1
122.5°	1396.2	1424.1	1536.1	1647.9	1536.1	1424.1	1396.2	1189.5	913.8	776.0	702.2
125°	1290.4	1316.2	1419.2	1522.3	1419.2	1316.2	1290.4	1114.8	880.7	763.7	699.1
127.5°	1205.5	1227.3	1314.2	1401.2	1314.2	1227.3	1205.5	1054.7	853.7	753.2	697.2
130°	1151.9	1172.0	1252.4	1332.7	1252.4	1172.0	1151.9	1017.7	838.7	749.3	698.4
132.5°	1106.2	1124.2	1196.1	1268.1	1196.1	1124.2	1106.2	986.1	825.9	745.7	699.1
135°	1041.7	1057.2	1119.2	1181.2	1119.2	1057.2	1041.7	941.1	806.9	739.8	698.4
137.5°	994.0	1006.7	1057.5	1108.2	1057.5	1006.7	994.0	909.0	795.5	738.8	702.8
140°	955.8	967.7	1015.1	1062.5	1015.1	967.7	955.8	882.3	784.3	735.3	703.4
142.5°	929.0	939.2	980.1	1020.9	980.1	939.2	929.0	864.4	778.3	735.3	706.0
145°	888.8	896.5	927.4	958.3	927.4	896.5	888.8	836.0	765.6	730.4	706.0
147.5°	855.0	861.5	887.0	912.6	887.0	861.5	855.0	813.5	758.1	730.4	710.9
150°	835.6	840.8	861.5	882.3	861.5	840.8	835.6	800.5	753.8	730.4	713.4
152.5°	820.3	824.2	839.9	855.5	839.9	824.2	820.3	790.3	750.4	730.4	715.1
155°	801.9	804.4	814.9	825.2	814.9	804.4	801.9	778.0	746.3	730.4	718.7
157.5°	786.0	787.8	795.1	802.4	795.1	787.8	786.0	767.4	742.8	730.4	722.4
160°	778.0	779.1	783.3	787.5	783.3	779.1	778.0	762.1	741.0	730.4	724.0
162.5°	770.6	771.5	775.5	779.6	775.5	771.5	770.6	757.1	739.3	730.4	725.8
165°	759.2	760.2	764.5	768.6	764.5	760.2	759.2	749.6	736.8	730.4	728.3
167.5°	754.2	754.7	756.4	758.2	756.4	754.7	754.2	747.9	739.5	735.3	733.5
170°	754.2	754.2	754.2	754.2	754.2	754.2	754.2	747.9	739.5	735.3	735.2
172.5°	750.2	749.8	748.3	746.8	748.3	749.8	750.2	745.3	738.6	735.3	735.3
175°	744.8	744.8	744.8	744.8	744.8	744.8	744.8	741.7	737.4	735.3	736.3
177.5°	743.8	743.3	741.6	739.8	741.6	743.3	743.8	741.3	738.0	736.4	737.2
180°	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3322.9	3338.8	3348.3	3361.1	3392.9
5°	3195.6	3256.1	3275.2	3322.9	3380.2
7.5°	2915.5	3100.1	3151.1	3265.6	3354.7
10°	2644.9	2829.5	2918.7	3189.2	3322.9
12.5°	2508.1	2616.3	2676.8	3055.6	3278.3
15°	2422.2	2498.5	2543.1	2877.3	3227.4
17.5°	2355.3	2409.4	2441.3	2702.3	3157.4
20°	2313.9	2339.4	2368.0	2574.9	3077.8
22.5°	2285.3	2269.4	2291.7	2485.8	2969.6
25°	2266.2	2205.8	2231.2	2415.8	2842.3
27.5°	2282.1	2148.4	2158.0	2352.1	2708.6
30°	2285.3	2078.4	2081.6	2285.3	2559.0
32.5°	2263.0	2005.2	2008.4	2202.5	2390.3
35°	2208.9	1919.3	1916.1	2107.1	2161.2
37.5°	2135.7	1827.0	1827.0	2002.0	1909.7
40°	2046.6	1734.6	1744.2	1865.1	1686.9
42.5°	1938.4	1636.0	1648.7	1683.7	1521.4
45°	1820.6	1540.5	1550.0	1422.8	1394.1
47.5°	1690.1	1441.9	1445.0	1180.8	1352.7
50°	1534.1	1340.0	1327.3	1012.2	1349.5
52.5°	1397.3	1228.6	1190.4	916.6	1225.4
55°	1263.6	1110.8	1028.1	843.5	1136.2
57.5°	1145.8	958.1	878.5	757.6	1117.2
60°	1037.6	808.5	748.0	665.2	1024.9
62.5°	948.5	697.1	684.3	601.5	929.4
65°	853.0	620.6	617.5	547.5	789.3
67.5°	760.7	569.7	566.5	496.5	601.5
70°	662.1	515.6	509.3	442.5	445.6
72.5°	560.2	455.1	448.8	397.9	369.2
75°	458.4	385.1	381.9	346.9	299.2
77.5°	359.7	305.5	311.9	280.1	219.6
80°	257.8	222.8	229.2	200.5	165.5
82.5°	171.8	146.4	152.8	127.3	111.4
85°	95.5	82.8	85.9	66.8	50.9
87.5°	44.6	38.2	38.2	25.5	15.9
90°	21.8	13.9	12.9	8.9	5.0
92.5°	134.7	95.8	87.4	53.6	19.8
95°	331.5	186.7	171.3	109.4	47.7
97.5°	446.5	205.1	191.4	136.9	82.4
100°	488.4	220.4	208.1	158.7	109.2
102.5°	507.6	235.8	224.3	178.2	132.1
105°	521.8	258.6	248.8	209.8	170.8
107.5°	524.5	292.5	283.4	246.9	210.5
110°	520.5	311.3	303.1	270.2	237.4



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CATALOG NUMBER: SQ4-FA-050U-100D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	520.7	334.1	326.3	294.9	263.6
115°	525.5	368.4	361.2	332.3	303.4
117.5°	535.2	401.7	395.1	368.8	342.6
120°	543.1	421.0	414.8	390.2	365.4
122.5°	554.6	443.9	437.6	412.7	387.8
125°	570.0	473.2	467.5	444.8	422.1
127.5°	585.4	501.5	495.8	472.8	449.8
130°	596.6	520.3	514.2	489.5	464.8
132.5°	605.8	535.8	529.6	504.8	480.1
135°	615.7	553.6	548.0	525.5	503.0
137.5°	630.6	576.5	570.9	548.6	526.3
140°	639.7	591.8	586.7	566.2	545.6
142.5°	647.3	603.3	598.6	579.5	560.6
145°	657.3	620.6	616.5	599.9	583.4
147.5°	671.8	642.5	638.5	622.3	606.3
150°	679.4	653.9	650.3	635.7	621.1
152.5°	684.4	661.4	658.6	647.5	636.5
155°	695.3	677.7	675.7	667.5	659.3
157.5°	706.2	694.1	692.1	684.2	676.3
160°	711.2	701.6	700.1	693.9	687.7
162.5°	716.5	709.5	708.4	703.7	699.1
165°	724.1	720.9	719.9	715.7	711.5
167.5°	730.0	727.4	726.9	724.9	722.9
170°	735.0	734.8	734.3	732.3	730.4
172.5°	735.3	735.3	735.2	734.7	734.3
175°	738.3	739.8	739.8	739.8	739.8
177.5°	738.7	739.8	739.8	739.8	739.8
180°	739.8	739.8	739.8	739.8	739.8



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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	14.19	15.20	15.01	16.05	17.09	17.04	18.05	17.87	18.90	19.94
	3H	14.68	15.59	15.52	16.44	17.52	18.41	19.31	19.24	20.17	21.24
	4H	14.88	15.73	15.73	16.59	17.68	18.86	19.72	19.71	20.58	21.66
	6H	15.01	15.79	15.87	16.66	17.76	19.16	19.95	20.02	20.82	21.92
	8H	15.01	15.76	15.88	16.65	17.75	19.24	19.99	20.11	20.88	21.98
	12H	14.99	15.70	15.86	16.58	17.71	19.29	20.00	20.17	20.89	22.01
4H	2H	15.25	16.10	16.10	16.96	18.05	17.47	18.33	18.33	19.19	20.27
	3H	16.29	17.00	17.16	17.90	19.00	19.00	19.71	19.86	20.60	21.70
	4H	16.57	17.22	17.45	18.11	19.24	19.54	20.18	20.42	21.07	22.20
	6H	16.71	17.27	17.60	18.18	19.31	19.91	20.47	20.81	21.39	22.52
	8H	16.71	17.24	17.61	18.15	19.29	20.03	20.55	20.93	21.46	22.60
	12H	16.69	17.16	17.61	18.09	19.24	20.10	20.57	21.01	21.49	22.64
8H	4H	17.04	17.56	17.94	18.47	19.62	19.67	20.19	20.57	21.10	22.25
	6H	17.31	17.74	18.23	18.69	19.84	20.12	20.55	21.04	21.50	22.65
	8H	17.35	17.74	18.29	18.68	19.84	20.28	20.66	21.21	21.60	22.76
	12H	17.34	17.68	18.28	18.62	19.83	20.39	20.72	21.32	21.66	22.87
12H	4H	17.05	17.53	17.97	18.45	19.60	19.64	20.11	20.56	21.04	22.19
	6H	17.37	17.76	18.31	18.70	19.86	20.12	20.50	21.05	21.44	22.60
	8H	17.45	17.78	18.38	18.72	19.93	20.29	20.63	21.23	21.56	22.77