

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: P936017

Luminaire Tested: SQ4-FA-150U-100D-840-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936017
REPORT IS A COMBINATION OF REPORTS P933777 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-840-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

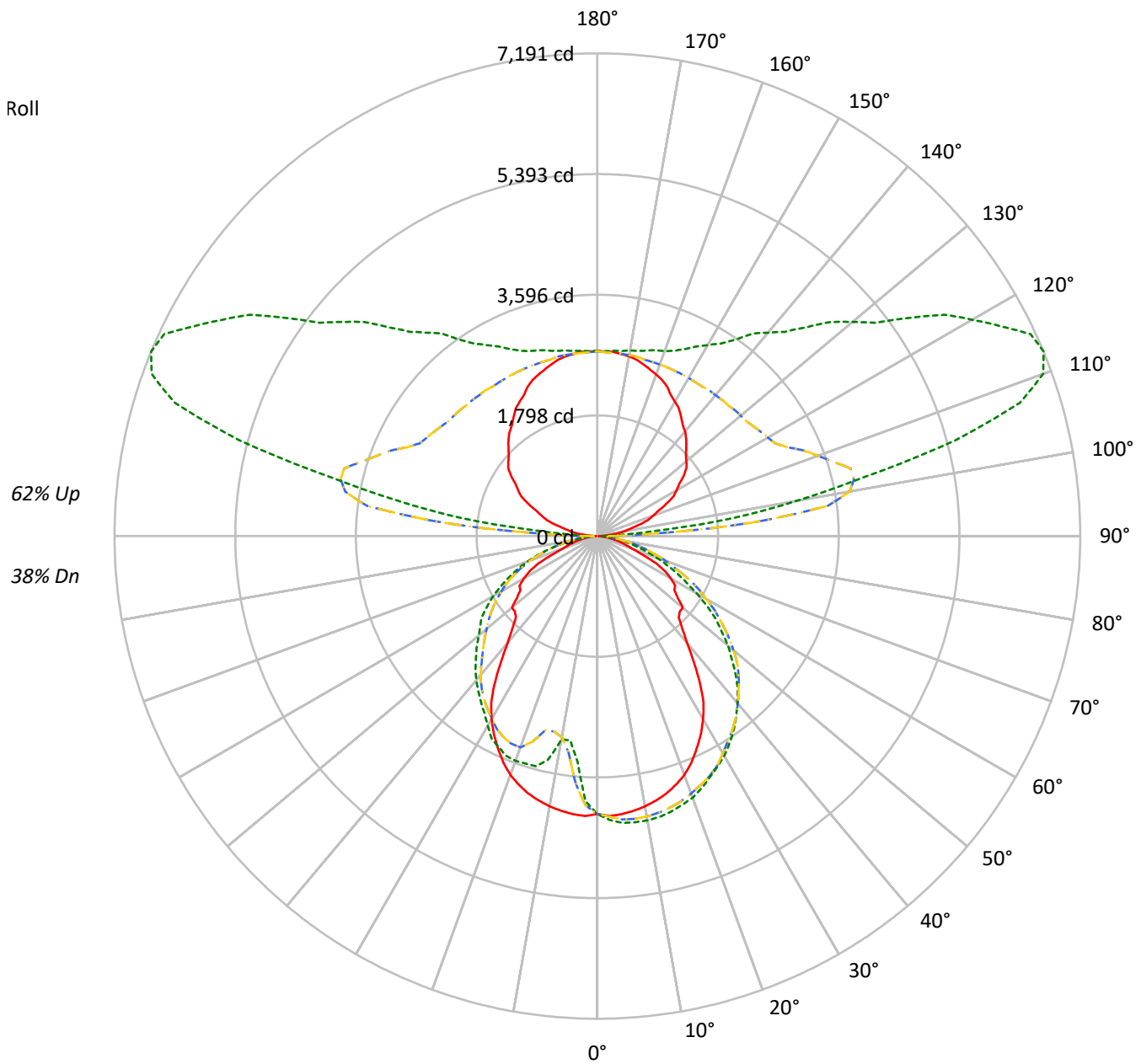
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28599.6 lumens
Efficiency: N/A
Efficacy: 131.7 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-Indirect

Input Watts (W): 217.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P936017
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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				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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38				38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32				32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27				27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23				23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19				19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15				15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13				13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12				12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10				10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9				9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12803	12803	12803	12803
5°	12904	12924	12904	10162
10°	12822	12731	12822	9102
15°	12688	12455	12688	10400
20°	12427	12129	12427	10422
25°	11889	11652	11889	10201
30°	11192	11256	11192	9717
35°	9982	10756	9982	9183
40°	8323	10167	8323	8781
45°	7441	9477	7441	8318
50°	7911	8655	7911	7853
55°	7450	7768	7450	7584
60°	7690	6598	7690	6947
65°	6983	5454	6983	6097
70°	4847	4346	4847	5110
75°	4266	3213	4266	3848
80°	3463	2124	3463	2312
85°	2028	1125	2028	957

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11397 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.6	1.3
10°-20°	1060.9	3.7
20°-30°	1640.0	5.7
30°-40°	1957.8	6.8
40°-50°	1969.2	6.9
50°-60°	1713.5	6.0
60°-70°	1214.9	4.2
70°-80°	642.7	2.2
80°-90°	170.6	0.6
90°-100°	1342.7	4.7
100°-110°	3530.0	12.3
110°-120°	3660.2	12.8
120°-130°	2936.0	10.3
130°-140°	2303.7	8.1
140°-150°	1768.2	6.2
150°-160°	1273.4	4.5
160°-170°	779.1	2.7
170°-180°	263.2	0.9
0°-30°	3074.5	10.8
0°-40°	5032.3	17.6
0°-60°	8715.0	30.5
0°-90°	10743.1	37.6
90°-120°	8532.9	29.8
90°-150°	15540.7	54.3
90°-180°	17856.0	62.4
0°-180°	28599.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4139	4139	4139	4139	4139	
5°	4159	4288	4159	3372	4159	395
15°	3971	4249	3971	3548	3971	1117
25°	3497	3963	3497	3470	3497	1606
35°	2659	3536	2659	3019	2659	1645
45°	1715	2914	1715	2557	1715	1374
55°	1398	2150	1398	2099	1398	1285
65°	971	1296	971	1449	971	928
75°	368	615	368	736	368	387
85°	63	157	63	133	63	85
90°	18	70	18	70	18	18
95°	177	812	177	812	177	197
105°	636	5528	636	5528	636	674
115°	1130	7117	1130	7117	1130	1116
125°	1571	5668	1571	5668	1571	1395
135°	1873	4398	1873	4398	1873	1449
145°	2172	3568	2172	3568	2172	1361
155°	2455	3072	2455	3072	2455	1128
165°	2649	2862	2649	2862	2649	748
175°	2754	2773	2754	2773	2754	261
180°	2754	2754	2754	2754	2754	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3
2.5°	4174.6	4174.6	4198.1	4205.9	4205.9	4194.2	4182.4	4194.2	4229.4	4241.2	4237.2
5°	4159.0	4190.3	4233.4	4241.2	4249.0	4245.1	4237.2	4245.1	4284.3	4292.1	4296.0
7.5°	4127.6	4186.4	4241.2	4252.9	4264.7	4252.9	4249.0	4256.9	4296.0	4303.8	4303.8
10°	4088.4	4170.7	4233.4	4241.2	4252.9	4241.2	4241.2	4256.9	4296.0	4303.8	4307.8
12.5°	4033.6	4147.2	4205.9	4213.8	4229.4	4225.5	4221.6	4237.2	4276.5	4284.3	4284.3
15°	3971.0	4104.2	4159.0	4166.8	4194.2	4186.4	4186.4	4202.1	4245.1	4256.9	4252.9
17.5°	3884.8	4049.3	4112.0	4123.7	4143.3	4139.3	4143.3	4159.0	4198.1	4205.9	4209.9
20°	3786.9	3974.9	4049.3	4061.1	4080.6	4080.6	4080.6	4100.2	4139.3	4155.0	4155.0
22.5°	3653.7	3896.6	3974.9	3982.7	4006.2	4006.2	4014.0	4041.4	4076.7	4080.6	4080.6
25°	3497.1	3810.4	3877.0	3900.5	3923.9	3935.7	3947.5	3963.2	3974.9	3971.0	3974.9
27.5°	3332.6	3700.8	3786.9	3802.6	3833.9	3845.7	3861.3	3865.3	3869.1	3880.9	3873.1
30°	3148.6	3548.0	3677.2	3692.9	3743.8	3751.6	3736.0	3743.8	3763.4	3771.3	3779.1
32.5°	2941.0	3320.9	3563.7	3598.9	3645.9	3622.4	3618.6	3630.3	3661.6	3661.6	3669.4
35°	2659.1	3144.7	3458.0	3489.3	3524.5	3497.1	3512.7	3516.7	3536.2	3548.0	3544.2
37.5°	2349.7	2992.0	3348.3	3371.8	3399.2	3363.9	3387.5	3399.2	3414.9	3407.0	3407.0
40°	2075.6	2753.1	3219.1	3234.7	3258.2	3230.9	3254.3	3262.2	3270.0	3262.2	3258.2
42.5°	1872.0	2490.6	3082.0	3101.6	3085.9	3105.5	3113.3	3129.0	3117.2	3101.6	3101.6
45°	1715.3	2420.2	2933.2	2956.7	2933.2	2964.5	2976.3	2976.3	2941.0	2933.2	2929.3
47.5°	1664.4	2279.2	2784.4	2784.4	2772.6	2811.7	2831.4	2803.9	2768.7	2757.0	2757.0
50°	1660.4	2122.5	2580.8	2565.0	2619.9	2666.9	2647.3	2619.9	2592.5	2549.4	2549.4
52.5°	1507.7	1930.7	2318.3	2377.1	2463.3	2490.6	2459.3	2432.0	2384.9	2365.4	2349.7
55°	1398.0	1731.0	2079.4	2196.9	2287.0	2322.3	2263.5	2236.1	2165.6	2153.8	2146.0
57.5°	1374.6	1441.1	1860.2	2009.0	2118.7	2114.7	2079.4	2028.6	1969.8	1958.1	1954.2
60°	1261.0	1041.6	1625.2	1801.4	1915.0	1903.3	1872.0	1824.9	1770.1	1762.3	1754.4
62.5°	1143.5	755.8	1358.9	1558.7	1719.2	1715.3	1687.9	1617.4	1578.2	1558.7	1543.0
65°	971.2	634.4	967.3	1296.3	1527.3	1535.2	1476.4	1425.5	1382.4	1358.9	1354.9
67.5°	740.1	516.9	654.0	1080.9	1343.3	1335.4	1261.0	1237.5	1182.6	1170.9	1147.5
70°	548.2	344.6	454.3	877.2	1163.1	1143.5	1084.7	1057.4	1006.5	979.0	963.4
72.5°	454.3	278.0	332.9	681.4	979.0	955.5	904.6	873.3	830.2	806.7	791.1
75°	368.1	293.7	254.5	505.2	794.9	779.3	732.3	701.0	665.7	634.4	638.3
77.5°	270.2	274.2	203.6	372.1	630.5	607.0	579.6	540.4	524.7	493.4	493.4
80°	203.6	215.4	152.7	254.5	454.3	454.3	430.8	403.4	375.9	360.3	360.3
82.5°	137.0	137.0	113.5	160.6	309.3	297.6	282.0	274.2	258.5	250.7	250.7
85°	62.6	78.3	70.4	97.9	168.4	176.3	176.3	168.4	164.5	156.6	160.6
87.5°	19.6	35.3	43.1	54.8	86.2	90.1	94.0	94.0	94.0	97.9	97.9
90°	18.5	33.3	48.1	51.8	81.3	120.7	140.5	124.9	93.7	70.2	70.2
92.5°	73.9	199.6	325.3	356.8	501.6	694.7	791.2	693.4	497.9	351.2	337.3
95°	177.4	407.5	637.6	695.1	1234.3	1953.3	2312.7	2063.7	1565.9	1192.4	1150.1
97.5°	306.9	509.8	712.7	763.5	1662.6	2861.3	3460.7	3303.4	2988.7	2752.7	2672.1
100°	406.7	590.7	774.8	820.8	1818.5	3148.7	3813.8	3825.2	3848.3	3865.6	3769.6
102.5°	491.7	663.4	835.2	878.1	1889.9	3239.1	3913.7	4114.1	4515.1	4815.8	4733.6
105°	636.0	781.4	926.8	963.2	1943.0	3249.3	3902.5	4351.9	5250.8	5924.9	5880.8
107.5°	783.9	919.4	1055.0	1088.9	1952.8	3104.7	3680.7	4307.6	5561.4	6501.7	6512.4
110°	883.7	1006.1	1128.5	1159.1	1938.1	2976.5	3495.8	4196.7	5598.4	6649.6	6695.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	981.7	1098.4	1215.0	1244.2	1938.7	2864.6	3327.6	4044.9	5479.4	6555.4	6626.0
115°	1129.6	1237.2	1344.9	1371.7	1956.5	2736.3	3126.1	3817.1	5199.1	6235.6	6333.6
117.5°	1275.6	1373.3	1471.1	1495.5	1992.8	2655.8	2987.4	3611.0	4858.3	5793.7	5902.4
120°	1360.6	1452.7	1544.6	1567.7	2022.4	2628.8	2932.0	3501.8	4641.3	5496.0	5601.7
122.5°	1443.8	1536.6	1629.5	1652.7	2065.0	2614.6	2889.5	3402.6	4428.8	5198.5	5302.6
125°	1571.4	1656.0	1740.7	1761.8	2122.3	2603.0	2843.3	3279.2	4150.9	4804.6	4900.6
127.5°	1674.9	1760.3	1845.8	1867.1	2179.5	2596.2	2804.4	3178.7	3927.2	4488.6	4569.5
130°	1730.4	1822.4	1914.3	1937.4	2221.4	2600.2	2789.6	3122.8	3789.2	4288.9	4363.7
132.5°	1787.7	1879.7	1971.7	1994.7	2255.3	2602.9	2776.7	3075.0	3671.5	4118.9	4185.9
135°	1872.7	1956.4	2040.3	2061.3	2292.4	2600.5	2754.5	3004.3	3503.8	3878.5	3936.2
137.5°	1959.6	2042.6	2125.6	2146.3	2347.8	2616.4	2750.8	2961.9	3384.3	3701.0	3748.3
140°	2031.7	2108.1	2184.6	2203.6	2381.7	2619.1	2737.8	2920.2	3285.1	3558.7	3602.8
142.5°	2087.2	2157.8	2228.4	2246.1	2410.0	2628.6	2737.8	2898.1	3218.5	3458.9	3496.9
145°	2172.2	2233.9	2295.4	2310.8	2447.0	2628.6	2719.4	2850.4	3112.5	3309.1	3337.9
147.5°	2257.2	2317.2	2377.1	2392.1	2501.2	2646.7	2719.4	2822.5	3028.7	3183.4	3207.2
150°	2312.7	2367.0	2421.2	2434.7	2529.6	2656.1	2719.4	2806.5	2980.7	3111.3	3130.6
152.5°	2370.0	2411.1	2452.1	2462.4	2548.1	2662.3	2719.4	2793.8	2942.5	3054.0	3068.6
155°	2455.1	2485.5	2515.8	2523.5	2588.8	2675.8	2719.4	2778.6	2896.9	2985.6	2995.3
157.5°	2517.9	2547.5	2577.0	2584.4	2629.4	2689.3	2719.4	2765.4	2857.4	2926.5	2933.3
160°	2560.4	2583.4	2606.4	2612.2	2647.9	2695.6	2719.4	2758.8	2837.6	2896.8	2900.8
162.5°	2602.9	2620.2	2637.4	2641.7	2667.6	2702.1	2719.4	2752.7	2819.3	2869.2	2872.8
165°	2649.1	2664.7	2680.3	2684.3	2696.0	2711.6	2719.4	2743.2	2790.8	2826.6	2830.5
167.5°	2691.7	2699.1	2706.4	2708.3	2718.2	2731.3	2737.8	2753.5	2784.7	2808.1	2809.8
170°	2719.4	2726.8	2734.2	2736.1	2736.7	2737.5	2737.8	2753.5	2784.7	2808.1	2808.1
172.5°	2734.2	2735.8	2737.5	2737.8	2737.8	2737.8	2737.8	2750.2	2774.9	2793.4	2791.9
175°	2754.5	2754.5	2754.5	2754.5	2749.0	2741.6	2737.8	2745.7	2761.3	2773.0	2773.0
177.5°	2754.5	2754.5	2754.5	2754.5	2750.2	2744.5	2741.6	2747.7	2760.1	2769.3	2767.6
180°	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3
2.5°	4245.1	4233.4	4245.1	4237.2	4241.2	4229.4	4194.2	4182.4	4194.2	4205.9	4205.9
5°	4296.0	4288.2	4296.0	4296.0	4292.1	4284.3	4245.1	4237.2	4245.1	4249.0	4241.2
7.5°	4311.6	4300.0	4311.6	4303.8	4303.8	4296.0	4256.9	4249.0	4252.9	4264.7	4252.9
10°	4311.6	4300.0	4311.6	4307.8	4303.8	4296.0	4256.9	4241.2	4241.2	4252.9	4241.2
12.5°	4292.1	4284.3	4292.1	4284.3	4284.3	4276.5	4237.2	4221.6	4225.5	4229.4	4213.8
15°	4260.8	4249.0	4260.8	4252.9	4256.9	4245.1	4202.1	4186.4	4186.4	4194.2	4166.8
17.5°	4213.8	4198.1	4213.8	4209.9	4205.9	4198.1	4159.0	4143.3	4139.3	4143.3	4123.7
20°	4159.0	4147.2	4159.0	4155.0	4155.0	4139.3	4100.2	4080.6	4080.6	4080.6	4061.1
22.5°	4072.8	4061.1	4072.8	4080.6	4080.6	4076.7	4041.4	4014.0	4006.2	4006.2	3982.7
25°	3974.9	3963.2	3974.9	3974.9	3971.0	3974.9	3963.2	3947.5	3935.7	3923.9	3900.5
27.5°	3880.9	3873.1	3880.9	3873.1	3880.9	3869.1	3865.3	3861.3	3845.7	3833.9	3802.6
30°	3786.9	3779.1	3786.9	3779.1	3771.3	3763.4	3743.8	3736.0	3751.6	3743.8	3692.9
32.5°	3669.4	3661.6	3669.4	3669.4	3661.6	3661.6	3630.3	3618.6	3622.4	3645.9	3598.9
35°	3548.0	3536.2	3548.0	3544.2	3548.0	3536.2	3516.7	3512.7	3497.1	3524.5	3489.3
37.5°	3407.0	3395.3	3407.0	3407.0	3407.0	3414.9	3399.2	3387.5	3363.9	3399.2	3371.8
40°	3262.2	3246.5	3262.2	3258.2	3262.2	3270.0	3262.2	3254.3	3230.9	3258.2	3234.7
42.5°	3097.7	3093.7	3097.7	3101.6	3101.6	3117.2	3129.0	3113.3	3105.5	3085.9	3101.6
45°	2921.4	2913.6	2921.4	2929.3	2933.2	2941.0	2976.3	2976.3	2964.5	2933.2	2956.7
47.5°	2733.5	2713.9	2733.5	2757.0	2757.0	2768.7	2803.9	2831.4	2811.7	2772.6	2784.4
50°	2533.7	2537.7	2533.7	2549.4	2549.4	2592.5	2619.9	2647.3	2666.9	2619.9	2565.0
52.5°	2337.9	2334.1	2337.9	2349.7	2365.4	2384.9	2432.0	2459.3	2490.6	2463.3	2377.1
55°	2142.1	2150.0	2142.1	2146.0	2153.8	2165.6	2236.1	2263.5	2322.3	2287.0	2196.9
57.5°	1946.4	1934.6	1946.4	1954.2	1958.1	1969.8	2028.6	2079.4	2114.7	2118.7	2009.0
60°	1719.2	1703.5	1719.2	1754.4	1762.3	1770.1	1824.9	1872.0	1903.3	1915.0	1801.4
62.5°	1519.4	1492.1	1519.4	1543.0	1558.7	1578.2	1617.4	1687.9	1715.3	1719.2	1558.7
65°	1308.0	1296.3	1308.0	1354.9	1358.9	1382.4	1425.5	1476.4	1535.2	1527.3	1296.3
67.5°	1116.1	1116.1	1116.1	1147.5	1170.9	1182.6	1237.5	1261.0	1335.4	1343.3	1080.9
70°	939.9	935.9	939.9	963.4	979.0	1006.5	1057.4	1084.7	1143.5	1163.1	877.2
72.5°	771.5	767.6	771.5	791.1	806.7	830.2	873.3	904.6	955.5	979.0	681.4
75°	622.6	614.8	622.6	638.3	634.4	665.7	701.0	732.3	779.3	794.9	505.2
77.5°	477.8	477.8	477.8	493.4	493.4	524.7	540.4	579.6	607.0	630.5	372.1
80°	356.4	352.4	356.4	360.3	360.3	375.9	403.4	430.8	454.3	454.3	254.5
82.5°	250.7	242.8	250.7	250.7	250.7	258.5	274.2	282.0	297.6	309.3	160.6
85°	156.6	156.6	156.6	160.6	156.6	164.5	168.4	176.3	176.3	168.4	97.9
87.5°	101.9	97.9	101.9	97.9	97.9	94.0	94.0	94.0	90.1	86.2	54.8
90°	70.2	70.2	70.2	70.2	70.2	93.7	124.9	140.5	120.7	81.3	51.8
92.5°	281.4	225.6	281.4	337.3	351.2	497.9	693.4	791.2	694.7	501.6	356.8
95°	980.8	811.5	980.8	1150.1	1192.4	1565.9	2063.7	2312.7	1953.3	1234.3	695.1
97.5°	2350.1	2028.0	2350.1	2672.1	2752.7	2988.7	3303.4	3460.7	2861.3	1662.6	763.5
100°	3386.0	3002.2	3386.0	3769.6	3865.6	3848.3	3825.2	3813.8	3148.7	1818.5	820.8
102.5°	4405.0	4076.3	4405.0	4733.6	4815.8	4515.1	4114.1	3913.7	3239.1	1889.9	878.1
105°	5704.2	5527.6	5704.2	5880.8	5924.9	5250.8	4351.9	3902.5	3249.3	1943.0	963.2
107.5°	6555.2	6597.9	6555.2	6512.4	6501.7	5561.4	4307.6	3680.7	3104.7	1952.8	1088.9
110°	6879.7	7063.8	6879.7	6695.7	6649.6	5598.4	4196.7	3495.8	2976.5	1938.1	1159.1



TEST NUMBER: P936017

CATALOG NUMBER: SQ4-FA-150U-100D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6908.7	7191.4	6908.7	6626.0	6555.4	5479.4	4044.9	3327.6	2864.6	1938.7	1244.2
115°	6725.4	7117.4	6725.4	6333.6	6235.6	5199.1	3817.1	3126.1	2736.3	1956.5	1371.7
117.5°	6337.0	6771.7	6337.0	5902.4	5793.7	4858.3	3611.0	2987.4	2655.8	1992.8	1495.5
120°	6023.9	6446.3	6023.9	5601.7	5496.0	4641.3	3501.8	2932.0	2628.8	2022.4	1567.7
122.5°	5719.2	6135.8	5719.2	5302.6	5198.5	4428.8	3402.6	2889.5	2614.6	2065.0	1652.7
125°	5284.3	5668.1	5284.3	4900.6	4804.6	4150.9	3279.2	2843.3	2603.0	2122.3	1761.8
127.5°	4893.3	5216.9	4893.3	4569.5	4488.6	3927.2	3178.7	2804.4	2596.2	2179.5	1867.1
130°	4662.8	4961.8	4662.8	4363.7	4288.9	3789.2	3122.8	2789.6	2600.2	2221.4	1937.4
132.5°	4453.6	4721.5	4453.6	4185.9	4118.9	3671.5	3075.0	2776.7	2602.9	2255.3	1994.7
135°	4167.1	4398.0	4167.1	3936.2	3878.5	3503.8	3004.3	2754.5	2600.5	2292.4	2061.3
137.5°	3937.3	4126.2	3937.3	3748.3	3701.0	3384.3	2961.9	2750.8	2616.4	2347.8	2146.3
140°	3779.5	3956.1	3779.5	3602.8	3558.7	3285.1	2920.2	2737.8	2619.1	2381.7	2203.6
142.5°	3648.9	3800.8	3648.9	3496.9	3458.9	3218.5	2898.1	2737.8	2628.6	2410.0	2246.1
145°	3453.0	3568.0	3453.0	3337.9	3309.1	3112.5	2850.4	2719.4	2628.6	2447.0	2310.8
147.5°	3302.6	3397.8	3302.6	3207.2	3183.4	3028.7	2822.5	2719.4	2646.7	2501.2	2392.1
150°	3207.8	3285.1	3207.8	3130.6	3111.3	2980.7	2806.5	2719.4	2656.1	2529.6	2434.7
152.5°	3126.9	3185.2	3126.9	3068.6	3054.0	2942.5	2793.8	2719.4	2662.3	2548.1	2462.4
155°	3033.9	3072.5	3033.9	2995.3	2985.6	2896.9	2778.6	2719.4	2675.8	2588.8	2523.5
157.5°	2960.3	2987.4	2960.3	2933.3	2926.5	2857.4	2765.4	2719.4	2689.3	2629.4	2584.4
160°	2916.4	2932.0	2916.4	2900.8	2896.8	2837.6	2758.8	2719.4	2695.6	2647.9	2612.2
162.5°	2887.6	2902.4	2887.6	2872.8	2869.2	2819.3	2752.7	2719.4	2702.1	2667.6	2641.7
165°	2846.1	2861.7	2846.1	2830.5	2826.6	2790.8	2743.2	2719.4	2711.6	2696.0	2684.3
167.5°	2816.3	2822.9	2816.3	2809.8	2808.1	2784.7	2753.5	2737.8	2731.3	2718.2	2708.3
170°	2808.1	2808.1	2808.1	2808.1	2808.1	2784.7	2753.5	2737.8	2737.5	2736.7	2736.1
172.5°	2786.2	2780.4	2786.2	2791.9	2793.4	2774.9	2750.2	2737.8	2737.8	2737.8	2737.8
175°	2773.0	2773.0	2773.0	2773.0	2773.0	2761.3	2745.7	2737.8	2741.6	2749.0	2754.5
177.5°	2761.1	2754.5	2761.1	2767.6	2769.3	2760.1	2747.7	2741.6	2744.5	2750.2	2754.5
180°	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3
2.5°	4198.1	4174.6	4174.6	4135.5	4119.8	4108.0	4088.4	4029.8	4014.0	3998.3	4021.9
5°	4233.4	4190.3	4159.0	4088.4	4029.8	4006.2	3931.8	3790.9	3696.8	3626.4	3587.2
7.5°	4241.2	4186.4	4127.6	4018.0	3877.0	3814.4	3587.2	3328.8	3258.2	3195.6	3156.4
10°	4233.4	4170.7	4088.4	3923.9	3591.1	3481.4	3254.3	3085.9	3042.8	3031.1	3042.8
12.5°	4205.9	4147.2	4033.6	3759.5	3293.5	3219.1	3085.9	2988.0	2980.2	2999.8	3105.5
15°	4159.0	4104.2	3971.0	3540.2	3129.0	3074.2	2980.2	2944.9	2988.0	3125.0	3442.3
17.5°	4112.0	4049.3	3884.8	3324.8	3003.7	2964.5	2897.9	2968.4	3211.2	3395.3	3501.1
20°	4049.3	3974.9	3786.9	3168.1	2913.6	2878.3	2847.0	3164.3	3348.3	3414.9	3473.6
22.5°	3974.9	3896.6	3653.7	3058.6	2819.7	2792.2	2811.7	3273.9	3348.3	3395.3	3446.2
25°	3877.0	3810.4	3497.1	2972.4	2745.3	2713.9	2788.3	3262.2	3305.3	3317.0	3418.8
27.5°	3786.9	3700.8	3332.6	2894.0	2655.2	2643.4	2807.9	3211.2	3242.6	3254.3	3363.9
30°	3677.2	3548.0	3148.6	2811.7	2561.2	2557.2	2811.7	3148.6	3140.8	3172.1	3281.7
32.5°	3563.7	3320.9	2941.0	2710.0	2471.1	2467.1	2784.4	3054.6	3046.8	3089.9	3172.1
35°	3458.0	3144.7	2659.1	2592.5	2357.6	2361.4	2717.8	2944.9	2948.9	2988.0	3038.9
37.5°	3348.3	2992.0	2349.7	2463.3	2247.9	2247.9	2627.7	2843.2	2835.3	2847.0	2917.6
40°	3219.1	2753.1	2075.6	2294.8	2146.0	2134.3	2518.1	2733.5	2706.0	2702.2	2800.1
42.5°	3082.0	2490.6	1872.0	2071.6	2028.6	2012.9	2384.9	2600.3	2549.4	2561.2	2686.5
45°	2933.2	2420.2	1715.3	1750.5	1907.1	1895.4	2240.0	2447.6	2412.3	2443.7	2572.9
47.5°	2784.4	2279.2	1664.4	1452.9	1777.9	1774.1	2079.4	2298.8	2279.2	2310.5	2447.6
50°	2580.8	2122.5	1660.4	1245.4	1633.1	1648.7	1887.6	2153.8	2153.8	2181.3	2326.1
52.5°	2318.3	1930.7	1507.7	1127.8	1464.6	1511.6	1719.2	2028.6	2036.4	2063.8	2193.1
55°	2079.4	1731.0	1398.0	1037.8	1264.9	1366.7	1554.7	1899.3	1915.0	1942.4	2059.9
57.5°	1860.2	1441.1	1374.6	932.1	1080.9	1178.8	1409.8	1774.1	1781.9	1805.4	1918.9
60°	1625.2	1041.6	1261.0	818.5	920.3	994.7	1276.7	1625.2	1652.6	1668.2	1766.1
62.5°	1358.9	755.8	1143.5	740.1	842.0	857.7	1167.0	1484.2	1519.4	1531.2	1590.0
65°	967.3	634.4	971.2	673.6	759.8	763.6	1049.6	1339.3	1370.7	1390.2	1433.3
67.5°	654.0	516.9	740.1	610.9	697.0	701.0	935.9	1170.9	1214.0	1229.7	1257.1
70°	454.3	344.6	548.2	544.4	626.6	634.4	814.6	1018.2	1057.4	1069.1	1084.7
72.5°	332.9	278.0	454.3	489.6	552.2	560.0	689.2	845.9	885.1	896.8	904.6
75°	254.5	293.7	368.1	426.8	469.9	473.8	564.0	689.2	716.7	724.5	728.4
77.5°	203.6	274.2	270.2	344.6	383.7	375.9	442.5	532.6	556.0	556.0	556.0
80°	152.7	215.4	203.6	246.7	282.0	274.2	317.2	379.9	387.7	395.5	391.6
82.5°	113.5	137.0	137.0	156.6	188.0	180.1	211.4	246.7	246.7	246.7	254.5
85°	70.4	78.3	62.6	82.2	105.7	101.9	117.5	133.2	137.0	137.0	129.2
87.5°	43.1	35.3	19.6	31.3	47.0	47.0	54.8	58.8	54.8	54.8	54.8
90°	48.1	33.3	18.5	33.3	48.1	51.8	81.3	120.7	140.5	124.9	93.7
92.5°	325.3	199.6	73.9	199.6	325.3	356.8	501.6	694.7	791.2	693.4	497.9
95°	637.6	407.5	177.4	407.5	637.6	695.1	1234.3	1953.3	2312.7	2063.7	1565.9
97.5°	712.7	509.8	306.9	509.8	712.7	763.5	1662.6	2861.3	3460.7	3303.4	2988.7
100°	774.8	590.7	406.7	590.7	774.8	820.8	1818.5	3148.7	3813.8	3825.2	3848.3
102.5°	835.2	663.4	491.7	663.4	835.2	878.1	1889.9	3239.1	3913.7	4114.1	4515.1
105°	926.8	781.4	636.0	781.4	926.8	963.2	1943.0	3249.3	3902.5	4351.9	5250.8
107.5°	1055.0	919.4	783.9	919.4	1055.0	1088.9	1952.8	3104.7	3680.7	4307.6	5561.4
110°	1128.5	1006.1	883.7	1006.1	1128.5	1159.1	1938.1	2976.5	3495.8	4196.7	5598.4



TEST NUMBER: P936017

CATALOG NUMBER: SQ4-FA-150U-100D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1215.0	1098.4	981.7	1098.4	1215.0	1244.2	1938.7	2864.6	3327.6	4044.9	5479.4
115°	1344.9	1237.2	1129.6	1237.2	1344.9	1371.7	1956.5	2736.3	3126.1	3817.1	5199.1
117.5°	1471.1	1373.3	1275.6	1373.3	1471.1	1495.5	1992.8	2655.8	2987.4	3611.0	4858.3
120°	1544.6	1452.7	1360.6	1452.7	1544.6	1567.7	2022.4	2628.8	2932.0	3501.8	4641.3
122.5°	1629.5	1536.6	1443.8	1536.6	1629.5	1652.7	2065.0	2614.6	2889.5	3402.6	4428.8
125°	1740.7	1656.0	1571.4	1656.0	1740.7	1761.8	2122.3	2603.0	2843.3	3279.2	4150.9
127.5°	1845.8	1760.3	1674.9	1760.3	1845.8	1867.1	2179.5	2596.2	2804.4	3178.7	3927.2
130°	1914.3	1822.4	1730.4	1822.4	1914.3	1937.4	2221.4	2600.2	2789.6	3122.8	3789.2
132.5°	1971.7	1879.7	1787.7	1879.7	1971.7	1994.7	2255.3	2602.9	2776.7	3075.0	3671.5
135°	2040.3	1956.4	1872.7	1956.4	2040.3	2061.3	2292.4	2600.5	2754.5	3004.3	3503.8
137.5°	2125.6	2042.6	1959.6	2042.6	2125.6	2146.3	2347.8	2616.4	2750.8	2961.9	3384.3
140°	2184.6	2108.1	2031.7	2108.1	2184.6	2203.6	2381.7	2619.1	2737.8	2920.2	3285.1
142.5°	2228.4	2157.8	2087.2	2157.8	2228.4	2246.1	2410.0	2628.6	2737.8	2898.1	3218.5
145°	2295.4	2233.9	2172.2	2233.9	2295.4	2310.8	2447.0	2628.6	2719.4	2850.4	3112.5
147.5°	2377.1	2317.2	2257.2	2317.2	2377.1	2392.1	2501.2	2646.7	2719.4	2822.5	3028.7
150°	2421.2	2367.0	2312.7	2367.0	2421.2	2434.7	2529.6	2656.1	2719.4	2806.5	2980.7
152.5°	2452.1	2411.1	2370.0	2411.1	2452.1	2462.4	2548.1	2662.3	2719.4	2793.8	2942.5
155°	2515.8	2485.5	2455.1	2485.5	2515.8	2523.5	2588.8	2675.8	2719.4	2778.6	2896.9
157.5°	2577.0	2547.5	2517.9	2547.5	2577.0	2584.4	2629.4	2689.3	2719.4	2765.4	2857.4
160°	2606.4	2583.4	2560.4	2583.4	2606.4	2612.2	2647.9	2695.6	2719.4	2758.8	2837.6
162.5°	2637.4	2620.2	2602.9	2620.2	2637.4	2641.7	2667.6	2702.1	2719.4	2752.7	2819.3
165°	2680.3	2664.7	2649.1	2664.7	2680.3	2684.3	2696.0	2711.6	2719.4	2743.2	2790.8
167.5°	2706.4	2699.1	2691.7	2699.1	2706.4	2708.3	2718.2	2731.3	2737.8	2753.5	2784.7
170°	2734.2	2726.8	2719.4	2726.8	2734.2	2736.1	2736.7	2737.5	2737.8	2753.5	2784.7
172.5°	2737.5	2735.8	2734.2	2735.8	2737.5	2737.8	2737.8	2737.8	2737.8	2750.2	2774.9
175°	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2749.0	2741.6	2737.8	2745.7	2761.3
177.5°	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2750.2	2744.5	2741.6	2747.7	2760.1
180°	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5



TEST NUMBER: P936017

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3	4139.3
2.5°	3994.5	3982.7	3998.3	3955.3	3998.3	3982.7	3994.5	4021.9	3998.3	4014.0	4029.8
5°	3504.9	3485.4	3422.7	3371.8	3422.7	3485.4	3504.9	3587.2	3626.4	3696.8	3790.9
7.5°	3132.9	3117.2	3101.6	3070.2	3101.6	3117.2	3132.9	3156.4	3195.6	3258.2	3328.8
10°	3050.6	3054.6	3078.1	3074.2	3078.1	3054.6	3050.6	3042.8	3031.1	3042.8	3085.9
12.5°	3262.2	3297.4	3426.6	3418.8	3426.6	3297.4	3262.2	3105.5	2999.8	2980.2	2988.0
15°	3504.9	3516.7	3544.2	3548.0	3544.2	3516.7	3504.9	3442.3	3125.0	2988.0	2944.9
17.5°	3528.4	3532.4	3552.0	3552.0	3552.0	3532.4	3528.4	3501.1	3395.3	3211.2	2968.4
20°	3508.9	3516.7	3555.8	3563.7	3555.8	3516.7	3508.9	3473.6	3414.9	3348.3	3164.3
22.5°	3501.1	3516.7	3548.0	3544.2	3548.0	3516.7	3501.1	3446.2	3395.3	3348.3	3273.9
25°	3461.9	3461.9	3465.8	3469.7	3465.8	3461.9	3461.9	3418.8	3317.0	3305.3	3262.2
27.5°	3379.7	3387.5	3411.0	3407.0	3411.0	3387.5	3379.7	3363.9	3254.3	3242.6	3211.2
30°	3305.3	3297.4	3277.8	3262.2	3277.8	3297.4	3305.3	3281.7	3172.1	3140.8	3148.6
32.5°	3179.9	3160.3	3140.8	3129.0	3140.8	3160.3	3179.9	3172.1	3089.9	3046.8	3054.6
35°	3031.1	3035.0	3031.1	3019.3	3031.1	3035.0	3031.1	3038.9	2988.0	2948.9	2944.9
37.5°	2925.4	2933.2	2929.3	2913.6	2929.3	2933.2	2925.4	2917.6	2847.0	2835.3	2843.2
40°	2815.7	2819.7	2815.7	2803.9	2815.7	2819.7	2815.7	2800.1	2702.2	2706.0	2733.5
42.5°	2710.0	2706.0	2694.3	2686.5	2694.3	2706.0	2710.0	2686.5	2561.2	2549.4	2600.3
45°	2588.6	2592.5	2569.0	2557.2	2569.0	2592.5	2588.6	2572.9	2443.7	2412.3	2447.6
47.5°	2467.1	2467.1	2447.6	2435.8	2447.6	2467.1	2467.1	2447.6	2310.5	2279.2	2298.8
50°	2337.9	2334.1	2306.6	2302.7	2306.6	2334.1	2337.9	2326.1	2181.3	2153.8	2153.8
52.5°	2189.1	2189.1	2193.1	2200.9	2193.1	2189.1	2189.1	2193.1	2063.8	2036.4	2028.6
55°	2059.9	2063.8	2091.2	2099.0	2091.2	2063.8	2059.9	2059.9	1942.4	1915.0	1899.3
57.5°	1926.7	1926.7	1946.4	1946.4	1946.4	1926.7	1926.7	1918.9	1805.4	1781.9	1774.1
60°	1774.1	1781.9	1797.5	1793.6	1797.5	1781.9	1774.1	1766.1	1668.2	1652.6	1625.2
62.5°	1613.4	1621.3	1625.2	1617.4	1625.2	1621.3	1613.4	1590.0	1531.2	1519.4	1484.2
65°	1445.0	1452.9	1456.8	1449.0	1456.8	1452.9	1445.0	1433.3	1390.2	1370.7	1339.3
67.5°	1272.7	1268.8	1264.9	1280.5	1264.9	1268.8	1272.7	1257.1	1229.7	1214.0	1170.9
70°	1096.5	1096.5	1092.6	1100.4	1092.6	1096.5	1096.5	1084.7	1069.1	1057.4	1018.2
72.5°	908.6	904.6	920.3	908.6	920.3	904.6	908.6	904.6	896.8	885.1	845.9
75°	724.5	732.3	724.5	736.3	724.5	732.3	724.5	728.4	724.5	716.7	689.2
77.5°	552.2	560.0	552.2	552.2	552.2	560.0	552.2	556.0	556.0	556.0	532.6
80°	391.6	387.7	387.7	383.7	387.7	387.7	391.6	391.6	395.5	387.7	379.9
82.5°	250.7	246.7	246.7	254.5	246.7	246.7	250.7	254.5	246.7	246.7	246.7
85°	137.0	141.0	133.2	133.2	133.2	141.0	137.0	129.2	137.0	137.0	133.2
87.5°	50.9	47.0	47.0	47.0	47.0	47.0	50.9	54.8	54.8	54.8	58.8
90°	70.2	70.2	70.2	70.2	70.2	70.2	70.2	93.7	124.9	140.5	120.7
92.5°	351.2	337.3	281.4	225.6	281.4	337.3	351.2	497.9	693.4	791.2	694.7
95°	1192.4	1150.1	980.8	811.5	980.8	1150.1	1192.4	1565.9	2063.7	2312.7	1953.3
97.5°	2752.7	2672.1	2350.1	2028.0	2350.1	2672.1	2752.7	2988.7	3303.4	3460.7	2861.3
100°	3865.6	3769.6	3386.0	3002.2	3386.0	3769.6	3865.6	3848.3	3825.2	3813.8	3148.7
102.5°	4815.8	4733.6	4405.0	4076.3	4405.0	4733.6	4815.8	4515.1	4114.1	3913.7	3239.1
105°	5924.9	5880.8	5704.2	5527.6	5704.2	5880.8	5924.9	5250.8	4351.9	3902.5	3249.3
107.5°	6501.7	6512.4	6555.2	6597.9	6555.2	6512.4	6501.7	5561.4	4307.6	3680.7	3104.7
110°	6649.6	6695.7	6879.7	7063.8	6879.7	6695.7	6649.6	5598.4	4196.7	3495.8	2976.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6555.4	6626.0	6908.7	7191.4	6908.7	6626.0	6555.4	5479.4	4044.9	3327.6	2864.6
115°	6235.6	6333.6	6725.4	7117.4	6725.4	6333.6	6235.6	5199.1	3817.1	3126.1	2736.3
117.5°	5793.7	5902.4	6337.0	6771.7	6337.0	5902.4	5793.7	4858.3	3611.0	2987.4	2655.8
120°	5496.0	5601.7	6023.9	6446.3	6023.9	5601.7	5496.0	4641.3	3501.8	2932.0	2628.8
122.5°	5198.5	5302.6	5719.2	6135.8	5719.2	5302.6	5198.5	4428.8	3402.6	2889.5	2614.6
125°	4804.6	4900.6	5284.3	5668.1	5284.3	4900.6	4804.6	4150.9	3279.2	2843.3	2603.0
127.5°	4488.6	4569.5	4893.3	5216.9	4893.3	4569.5	4488.6	3927.2	3178.7	2804.4	2596.2
130°	4288.9	4363.7	4662.8	4961.8	4662.8	4363.7	4288.9	3789.2	3122.8	2789.6	2600.2
132.5°	4118.9	4185.9	4453.6	4721.5	4453.6	4185.9	4118.9	3671.5	3075.0	2776.7	2602.9
135°	3878.5	3936.2	4167.1	4398.0	4167.1	3936.2	3878.5	3503.8	3004.3	2754.5	2600.5
137.5°	3701.0	3748.3	3937.3	4126.2	3937.3	3748.3	3701.0	3384.3	2961.9	2750.8	2616.4
140°	3558.7	3602.8	3779.5	3956.1	3779.5	3602.8	3558.7	3285.1	2920.2	2737.8	2619.1
142.5°	3458.9	3496.9	3648.9	3800.8	3648.9	3496.9	3458.9	3218.5	2898.1	2737.8	2628.6
145°	3309.1	3337.9	3453.0	3568.0	3453.0	3337.9	3309.1	3112.5	2850.4	2719.4	2628.6
147.5°	3183.4	3207.2	3302.6	3397.8	3302.6	3207.2	3183.4	3028.7	2822.5	2719.4	2646.7
150°	3111.3	3130.6	3207.8	3285.1	3207.8	3130.6	3111.3	2980.7	2806.5	2719.4	2656.1
152.5°	3054.0	3068.6	3126.9	3185.2	3126.9	3068.6	3054.0	2942.5	2793.8	2719.4	2662.3
155°	2985.6	2995.3	3033.9	3072.5	3033.9	2995.3	2985.6	2896.9	2778.6	2719.4	2675.8
157.5°	2926.5	2933.3	2960.3	2987.4	2960.3	2933.3	2926.5	2857.4	2765.4	2719.4	2689.3
160°	2896.8	2900.8	2916.4	2932.0	2916.4	2900.8	2896.8	2837.6	2758.8	2719.4	2695.6
162.5°	2869.2	2872.8	2887.6	2902.4	2887.6	2872.8	2869.2	2819.3	2752.7	2719.4	2702.1
165°	2826.6	2830.5	2846.1	2861.7	2846.1	2830.5	2826.6	2790.8	2743.2	2719.4	2711.6
167.5°	2808.1	2809.8	2816.3	2822.9	2816.3	2809.8	2808.1	2784.7	2753.5	2737.8	2731.3
170°	2808.1	2808.1	2808.1	2808.1	2808.1	2808.1	2808.1	2784.7	2753.5	2737.8	2737.5
172.5°	2793.4	2791.9	2786.2	2780.4	2786.2	2791.9	2793.4	2774.9	2750.2	2737.8	2737.8
175°	2773.0	2773.0	2773.0	2773.0	2773.0	2773.0	2773.0	2761.3	2745.7	2737.8	2741.6
177.5°	2769.3	2767.6	2761.1	2754.5	2761.1	2767.6	2769.3	2760.1	2747.7	2741.6	2744.5
180°	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5	2754.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4139.3	4139.3	4139.3	4139.3	4139.3
2.5°	4088.4	4108.0	4119.8	4135.5	4174.6
5°	3931.8	4006.2	4029.8	4088.4	4159.0
7.5°	3587.2	3814.4	3877.0	4018.0	4127.6
10°	3254.3	3481.4	3591.1	3923.9	4088.4
12.5°	3085.9	3219.1	3293.5	3759.5	4033.6
15°	2980.2	3074.2	3129.0	3540.2	3971.0
17.5°	2897.9	2964.5	3003.7	3324.8	3884.8
20°	2847.0	2878.3	2913.6	3168.1	3786.9
22.5°	2811.7	2792.2	2819.7	3058.6	3653.7
25°	2788.3	2713.9	2745.3	2972.4	3497.1
27.5°	2807.9	2643.4	2655.2	2894.0	3332.6
30°	2811.7	2557.2	2561.2	2811.7	3148.6
32.5°	2784.4	2467.1	2471.1	2710.0	2941.0
35°	2717.8	2361.4	2357.6	2592.5	2659.1
37.5°	2627.7	2247.9	2247.9	2463.3	2349.7
40°	2518.1	2134.3	2146.0	2294.8	2075.6
42.5°	2384.9	2012.9	2028.6	2071.6	1872.0
45°	2240.0	1895.4	1907.1	1750.5	1715.3
47.5°	2079.4	1774.1	1777.9	1452.9	1664.4
50°	1887.6	1648.7	1633.1	1245.4	1660.4
52.5°	1719.2	1511.6	1464.6	1127.8	1507.7
55°	1554.7	1366.7	1264.9	1037.8	1398.0
57.5°	1409.8	1178.8	1080.9	932.1	1374.6
60°	1276.7	994.7	920.3	818.5	1261.0
62.5°	1167.0	857.7	842.0	740.1	1143.5
65°	1049.6	763.6	759.8	673.6	971.2
67.5°	935.9	701.0	697.0	610.9	740.1
70°	814.6	634.4	626.6	544.4	548.2
72.5°	689.2	560.0	552.2	489.6	454.3
75°	564.0	473.8	469.9	426.8	368.1
77.5°	442.5	375.9	383.7	344.6	270.2
80°	317.2	274.2	282.0	246.7	203.6
82.5°	211.4	180.1	188.0	156.6	137.0
85°	117.5	101.9	105.7	82.2	62.6
87.5°	54.8	47.0	47.0	31.3	19.6
90°	81.3	51.8	48.1	33.3	18.5
92.5°	501.6	356.8	325.3	199.6	73.9
95°	1234.3	695.1	637.6	407.5	177.4
97.5°	1662.6	763.5	712.7	509.8	306.9
100°	1818.5	820.8	774.8	590.7	406.7
102.5°	1889.9	878.1	835.2	663.4	491.7
105°	1943.0	963.2	926.8	781.4	636.0
107.5°	1952.8	1088.9	1055.0	919.4	783.9
110°	1938.1	1159.1	1128.5	1006.1	883.7



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CATALOG NUMBER: SQ4-FA-150U-100D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1938.7	1244.2	1215.0	1098.4	981.7
115°	1956.5	1371.7	1344.9	1237.2	1129.6
117.5°	1992.8	1495.5	1471.1	1373.3	1275.6
120°	2022.4	1567.7	1544.6	1452.7	1360.6
122.5°	2065.0	1652.7	1629.5	1536.6	1443.8
125°	2122.3	1761.8	1740.7	1656.0	1571.4
127.5°	2179.5	1867.1	1845.8	1760.3	1674.9
130°	2221.4	1937.4	1914.3	1822.4	1730.4
132.5°	2255.3	1994.7	1971.7	1879.7	1787.7
135°	2292.4	2061.3	2040.3	1956.4	1872.7
137.5°	2347.8	2146.3	2125.6	2042.6	1959.6
140°	2381.7	2203.6	2184.6	2108.1	2031.7
142.5°	2410.0	2246.1	2228.4	2157.8	2087.2
145°	2447.0	2310.8	2295.4	2233.9	2172.2
147.5°	2501.2	2392.1	2377.1	2317.2	2257.2
150°	2529.6	2434.7	2421.2	2367.0	2312.7
152.5°	2548.1	2462.4	2452.1	2411.1	2370.0
155°	2588.8	2523.5	2515.8	2485.5	2455.1
157.5°	2629.4	2584.4	2577.0	2547.5	2517.9
160°	2647.9	2612.2	2606.4	2583.4	2560.4
162.5°	2667.6	2641.7	2637.4	2620.2	2602.9
165°	2696.0	2684.3	2680.3	2664.7	2649.1
167.5°	2718.2	2708.3	2706.4	2699.1	2691.7
170°	2736.7	2736.1	2734.2	2726.8	2719.4
172.5°	2737.8	2737.8	2737.5	2735.8	2734.2
175°	2749.0	2754.5	2754.5	2754.5	2754.5
177.5°	2750.2	2754.5	2754.5	2754.5	2754.5
180°	2754.5	2754.5	2754.5	2754.5	2754.5



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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	12.40	13.16	13.46	14.22	15.66	15.25	16.01	16.31	17.07	18.51
	3H	12.87	13.55	13.93	14.62	16.07	16.59	17.27	17.66	18.34	19.80
	4H	13.05	13.70	14.13	14.77	16.23	17.04	17.68	18.12	18.75	20.22
	6H	13.17	13.76	14.25	14.84	16.31	17.32	17.92	18.41	18.99	20.47
	8H	13.16	13.73	14.26	14.82	16.29	17.40	17.96	18.49	19.05	20.52
	12H	13.13	13.67	14.23	14.75	16.25	17.44	17.97	18.53	19.06	20.55
4H	2H	13.42	14.07	14.51	15.14	16.60	15.65	16.29	16.73	17.36	18.82
	3H	14.44	14.98	15.53	16.08	17.55	17.15	17.69	18.24	18.78	20.26
	4H	14.71	15.21	15.81	16.29	17.79	17.68	18.17	18.77	19.26	20.75
	6H	14.83	15.25	15.94	16.37	17.86	18.04	18.46	19.15	19.58	21.07
	8H	14.83	15.23	15.94	16.33	17.84	18.15	18.54	19.25	19.65	21.15
	12H	14.80	15.15	15.92	16.27	17.78	18.20	18.56	19.33	19.68	21.19
8H	4H	15.16	15.56	16.27	16.66	18.17	17.79	18.19	18.90	19.29	20.80
	6H	15.42	15.74	16.55	16.89	18.39	18.23	18.56	19.36	19.70	21.20
	8H	15.46	15.75	16.59	16.87	18.40	18.38	18.67	19.52	19.80	21.32
	12H	15.44	15.69	16.58	16.81	18.37	18.48	18.73	19.62	19.86	21.42
12H	4H	15.16	15.52	16.29	16.64	18.15	17.75	18.11	18.87	19.23	20.74
	6H	15.48	15.77	16.61	16.89	18.42	18.23	18.51	19.36	19.64	21.16
	8H	15.54	15.79	16.68	16.92	18.48	18.39	18.64	19.52	19.76	21.32