

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: P934469

Luminaire Tested: SQ4-FA-050U-100D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934469
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-935-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

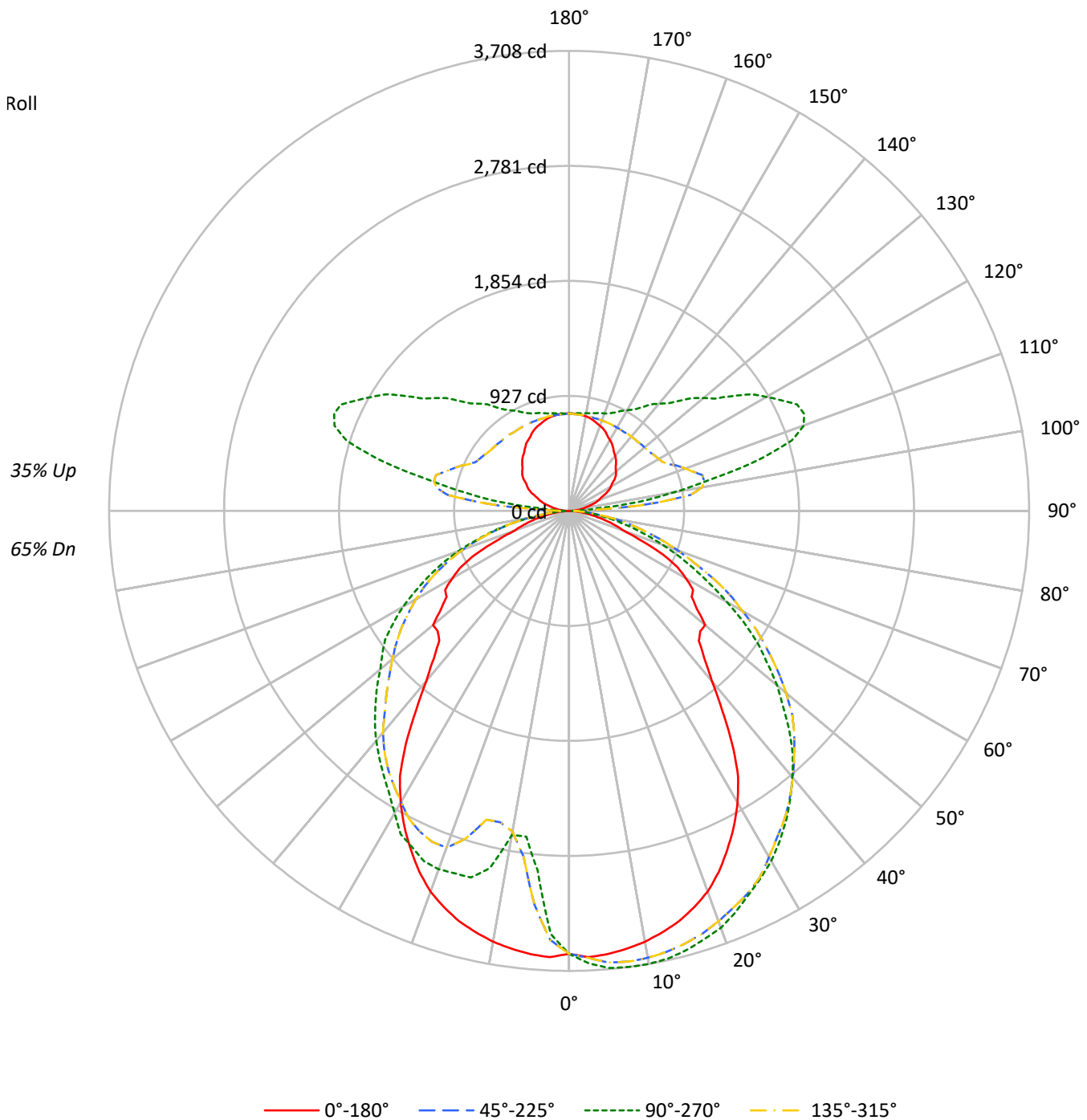
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14346.8 lumens
Efficiency: N/A
Efficacy: 105.8 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				
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	69	69	69	65
1	101	97	93	89	95	91	88	84	80	78	75	71	69	67	62	60	59	62	60	59	55
2	92	85	78	73	86	80	74	69	70	66	63	62	59	56	54	52	50	54	52	50	46
3	84	74	67	61	79	70	63	58	62	57	53	55	51	47	48	45	42	48	45	42	39
4	77	66	58	52	72	62	55	49	55	49	45	49	44	41	43	39	36	43	39	36	33
5	71	59	50	44	66	56	48	42	49	43	39	44	39	35	39	35	32	39	35	32	29
6	65	53	44	38	61	50	42	37	45	38	34	40	35	31	35	31	28	35	31	28	25
7	60	48	39	34	56	45	38	32	40	34	30	36	31	27	32	28	25	32	28	25	22
8	56	43	35	30	52	41	34	29	37	31	27	33	28	24	29	25	22	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	27	23	20	18
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	25	21	18	25	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11041	11041	11041	11041
5°	11128	11145	11128	8764
10°	11057	10979	11057	7849
15°	10941	10741	10941	8969
20°	10716	10459	10716	8988
25°	10252	10048	10252	8797
30°	9651	9707	9651	8379
35°	8608	9275	8608	7919
40°	7177	8767	7177	7572
45°	6417	8172	6417	7173
50°	6823	7463	6823	6772
55°	6425	6699	6425	6540
60°	6631	5689	6631	5990
65°	6022	4703	6022	5257
70°	4180	3748	4180	4407
75°	3680	2771	3680	3318
80°	2987	1831	2987	1994
85°	1750	970	1750	824

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9828 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.2	2.2
10°-20°	914.9	6.4
20°-30°	1414.2	9.9
30°-40°	1688.3	11.8
40°-50°	1698.2	11.8
50°-60°	1477.6	10.3
60°-70°	1047.6	7.3
70°-80°	554.3	3.9
80°-90°	141.0	1.0
90°-100°	382.6	2.7
100°-110°	1005.9	7.0
110°-120°	1043.0	7.3
120°-130°	836.7	5.8
130°-140°	656.5	4.6
140°-150°	503.9	3.5
150°-160°	362.9	2.5
160°-170°	222.0	1.5
170°-180°	75.0	0.5
0°-30°	2651.3	18.5
0°-40°	4339.6	30.2
0°-60°	7515.3	52.4
0°-90°	9258.3	64.5
90°-120°	2431.6	16.9
90°-150°	4428.6	30.9
90°-180°	5089.0	35.5
0°-180°	14346.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3570	3570	3570	3570	3570	
5°	3586	3698	3586	2908	3586	340
15°	3424	3664	3424	3060	3424	963
25°	3016	3418	3016	2992	3016	1385
35°	2293	3050	2293	2604	2293	1419
45°	1479	2512	1479	2205	1479	1185
55°	1206	1854	1206	1810	1206	1108
65°	838	1118	838	1250	838	800
75°	318	530	318	635	318	334
85°	54	135	54	115	54	73
90°	5	20	5	20	5	7
95°	51	231	51	231	51	56
105°	181	1575	181	1575	181	192
115°	322	2028	322	2028	322	318
125°	448	1615	448	1615	448	398
135°	534	1253	534	1253	534	413
145°	619	1017	619	1017	619	388
155°	700	876	700	876	700	321
165°	755	816	755	816	755	213
175°	785	790	785	790	785	75
180°	785	785	785	785	785	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3600.0	3600.0	3620.2	3627.0	3627.0	3616.8	3606.7	3616.8	3647.2	3657.4	3654.0
5°	3586.5	3613.5	3650.6	3657.4	3664.1	3660.8	3654.0	3660.8	3694.5	3701.3	3704.7
7.5°	3559.4	3610.1	3657.4	3667.5	3677.7	3667.5	3664.1	3670.9	3704.7	3711.4	3711.4
10°	3525.7	3596.6	3650.6	3657.4	3667.5	3657.4	3657.4	3670.9	3704.7	3711.4	3714.8
12.5°	3478.4	3576.4	3627.0	3633.8	3647.2	3643.8	3640.5	3654.0	3687.8	3694.5	3694.5
15°	3424.4	3539.2	3586.5	3593.2	3616.8	3610.1	3610.1	3623.6	3660.8	3670.9	3667.5
17.5°	3350.1	3491.9	3545.9	3556.1	3572.9	3569.5	3572.9	3586.5	3620.2	3627.0	3630.4
20°	3265.6	3427.8	3491.9	3502.1	3518.9	3518.9	3518.9	3535.8	3569.5	3583.1	3583.1
22.5°	3150.8	3360.2	3427.8	3434.5	3454.8	3454.8	3461.5	3485.1	3515.5	3518.9	3518.9
25°	3015.7	3285.9	3343.3	3363.6	3383.8	3393.9	3404.1	3417.6	3427.8	3424.4	3427.8
27.5°	2873.9	3191.3	3265.6	3279.2	3306.2	3316.3	3329.8	3333.2	3336.5	3346.7	3339.9
30°	2715.2	3059.6	3171.1	3184.6	3228.5	3235.2	3221.8	3228.5	3245.4	3252.2	3258.9
32.5°	2536.1	2863.7	3073.2	3103.5	3144.1	3123.8	3120.4	3130.6	3157.6	3157.6	3164.3
35°	2293.1	2711.8	2982.0	3009.0	3039.3	3015.7	3029.2	3032.6	3049.5	3059.6	3056.3
37.5°	2026.2	2580.1	2887.4	2907.7	2931.3	2900.9	2921.2	2931.3	2944.9	2938.0	2938.0
40°	1789.9	2374.1	2776.0	2789.4	2809.7	2786.1	2806.3	2813.1	2819.9	2813.1	2809.7
42.5°	1614.3	2147.8	2657.7	2674.7	2661.1	2678.0	2684.7	2698.3	2688.1	2674.7	2674.7
45°	1479.2	2087.1	2529.4	2549.7	2529.4	2556.4	2566.6	2566.6	2536.1	2529.4	2526.1
47.5°	1435.3	1965.5	2401.1	2401.1	2391.0	2424.7	2441.7	2418.0	2387.6	2377.5	2377.5
50°	1431.9	1830.4	2225.5	2212.0	2259.2	2299.8	2282.9	2259.2	2235.6	2198.5	2198.5
52.5°	1300.2	1664.9	1999.2	2049.9	2124.2	2147.8	2120.8	2097.2	2056.6	2039.8	2026.2
55°	1205.6	1492.7	1793.2	1894.5	1972.2	2002.6	1951.9	1928.3	1867.5	1857.4	1850.6
57.5°	1185.4	1242.7	1604.1	1732.5	1827.0	1823.6	1793.2	1749.3	1698.6	1688.6	1685.2
60°	1087.4	898.3	1401.5	1553.5	1651.4	1641.3	1614.3	1573.7	1526.4	1519.7	1512.9
62.5°	986.1	651.8	1171.8	1344.1	1482.6	1479.2	1455.6	1394.7	1361.0	1344.1	1330.6
65°	837.5	547.1	834.1	1117.8	1317.0	1323.8	1273.1	1229.3	1192.1	1171.8	1168.4
67.5°	638.2	445.8	563.9	932.1	1158.4	1151.6	1087.4	1067.1	1019.8	1009.7	989.5
70°	472.8	297.2	391.7	756.5	1003.0	986.1	935.4	911.8	867.9	844.2	830.8
72.5°	391.7	239.8	287.0	587.6	844.2	824.0	780.1	753.1	715.9	695.7	682.2
75°	317.5	253.3	219.5	435.6	685.5	672.1	631.5	604.5	574.1	547.1	550.5
77.5°	233.0	236.4	175.6	320.9	543.7	523.5	499.8	466.0	452.5	425.5	425.5
80°	175.6	185.7	131.7	219.5	391.7	391.7	371.5	347.9	324.2	310.7	310.7
82.5°	118.2	118.2	97.9	138.4	266.8	256.6	243.2	236.4	222.9	216.2	216.2
85°	54.0	67.6	60.7	84.4	145.2	152.0	152.0	145.2	141.9	135.0	138.4
87.5°	16.9	30.4	37.1	47.3	74.3	77.7	81.0	81.0	81.0	84.4	84.4
90°	5.3	9.5	13.7	14.7	23.2	34.4	40.0	35.6	26.7	20.0	20.0
92.5°	21.0	56.8	92.7	101.6	142.9	197.9	225.4	197.6	141.9	100.1	96.1
95°	50.6	116.1	181.7	198.1	351.7	556.6	659.0	588.1	446.2	339.8	327.7
97.5°	87.4	145.3	203.1	217.6	473.8	815.4	986.2	941.4	851.7	784.4	761.5
100°	115.9	168.4	220.8	233.9	518.2	897.2	1086.8	1090.0	1096.6	1101.6	1074.2
102.5°	140.2	189.1	238.0	250.2	538.5	923.1	1115.3	1172.4	1286.6	1372.3	1348.9
105°	181.2	222.6	264.0	274.4	553.6	926.0	1112.1	1240.2	1496.3	1688.4	1675.8
107.5°	223.4	262.0	300.7	310.3	556.5	884.8	1048.9	1227.6	1584.9	1852.8	1855.9
110°	251.9	286.7	321.6	330.3	552.3	848.3	996.2	1196.0	1595.4	1894.9	1908.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	279.7	312.9	346.2	354.5	552.4	816.3	948.3	1152.7	1561.5	1868.1	1888.2
115°	321.9	352.6	383.2	390.9	557.5	779.8	890.9	1087.7	1481.5	1776.9	1804.9
117.5°	363.5	391.3	419.2	426.2	567.9	756.8	851.3	1029.0	1384.4	1651.0	1681.9
120°	387.7	414.0	440.1	446.7	576.3	749.2	835.6	997.9	1322.6	1566.2	1596.3
122.5°	411.4	437.9	464.3	471.0	588.5	745.1	823.4	969.6	1262.1	1481.4	1511.0
125°	447.8	471.9	496.0	502.1	604.8	741.8	810.3	934.5	1182.8	1369.2	1396.5
127.5°	477.3	501.7	526.0	532.1	621.1	739.8	799.2	905.8	1119.1	1279.1	1302.2
130°	493.1	519.4	545.5	552.1	633.0	741.0	795.0	889.9	1079.8	1222.2	1243.5
132.5°	509.4	535.7	561.9	568.5	642.7	741.8	791.3	876.3	1046.3	1173.7	1192.8
135°	533.7	557.5	581.4	587.4	653.2	741.1	784.9	856.2	998.5	1105.3	1121.7
137.5°	558.4	582.1	605.8	611.7	669.1	745.7	783.9	844.1	964.5	1054.7	1068.2
140°	578.9	600.7	622.5	627.9	678.7	746.4	780.2	832.1	936.2	1014.1	1026.7
142.5°	594.8	614.9	635.1	640.1	686.8	749.1	780.2	825.8	917.2	985.7	996.5
145°	619.0	636.5	654.1	658.5	697.4	749.1	775.0	812.3	887.0	943.0	951.2
147.5°	643.3	660.3	677.4	681.7	712.8	754.3	775.0	804.4	863.2	907.2	914.0
150°	659.0	674.4	689.9	693.8	720.9	756.9	775.0	799.8	849.4	886.6	892.1
152.5°	675.4	687.1	698.8	701.7	726.2	758.7	775.0	796.2	838.5	870.3	874.5
155°	699.6	708.3	717.0	719.1	737.7	762.5	775.0	791.8	825.5	850.8	853.5
157.5°	717.6	726.0	734.3	736.5	749.3	766.5	775.0	788.1	814.3	833.9	835.9
160°	729.7	736.2	742.8	744.4	754.6	768.2	775.0	786.2	808.6	825.5	826.6
162.5°	741.8	746.7	751.6	752.8	760.2	770.0	775.0	784.4	803.4	817.6	818.6
165°	755.0	759.4	763.8	764.9	768.2	772.8	775.0	781.8	795.3	805.5	806.6
167.5°	767.1	769.1	771.2	771.7	774.6	778.3	780.2	784.6	793.6	800.2	800.7
170°	775.0	777.0	779.2	779.7	779.8	780.1	780.2	784.6	793.6	800.2	800.2
172.5°	779.2	779.6	780.1	780.2	780.2	780.2	780.2	783.7	790.7	796.0	795.6
175°	784.9	784.9	784.9	784.9	783.3	781.2	780.2	782.4	786.9	790.2	790.2
177.5°	784.9	784.9	784.9	784.9	783.8	782.1	781.3	783.1	786.6	789.2	788.7
180°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3660.8	3650.6	3660.8	3654.0	3657.4	3647.2	3616.8	3606.7	3616.8	3627.0	3627.0
5°	3704.7	3697.9	3704.7	3704.7	3701.3	3694.5	3660.8	3654.0	3660.8	3664.1	3657.4
7.5°	3718.1	3708.1	3718.1	3711.4	3711.4	3704.7	3670.9	3664.1	3667.5	3677.7	3667.5
10°	3718.1	3708.1	3718.1	3714.8	3711.4	3704.7	3670.9	3657.4	3657.4	3667.5	3657.4
12.5°	3701.3	3694.5	3701.3	3694.5	3694.5	3687.8	3654.0	3640.5	3643.8	3647.2	3633.8
15°	3674.2	3664.1	3674.2	3667.5	3670.9	3660.8	3623.6	3610.1	3610.1	3616.8	3593.2
17.5°	3633.8	3620.2	3633.8	3630.4	3627.0	3620.2	3586.5	3572.9	3569.5	3572.9	3556.1
20°	3586.5	3576.4	3586.5	3583.1	3583.1	3569.5	3535.8	3518.9	3518.9	3518.9	3502.1
22.5°	3512.2	3502.1	3512.2	3518.9	3518.9	3515.5	3485.1	3461.5	3454.8	3454.8	3434.5
25°	3427.8	3417.6	3427.8	3427.8	3424.4	3427.8	3417.6	3404.1	3393.9	3383.8	3363.6
27.5°	3346.7	3339.9	3346.7	3339.9	3346.7	3336.5	3333.2	3329.8	3316.3	3306.2	3279.2
30°	3265.6	3258.9	3265.6	3258.9	3252.2	3245.4	3228.5	3221.8	3235.2	3228.5	3184.6
32.5°	3164.3	3157.6	3164.3	3164.3	3157.6	3157.6	3130.6	3120.4	3123.8	3144.1	3103.5
35°	3059.6	3049.5	3059.6	3056.3	3059.6	3049.5	3032.6	3029.2	3015.7	3039.3	3009.0
37.5°	2938.0	2927.9	2938.0	2938.0	2938.0	2944.9	2931.3	2921.2	2900.9	2931.3	2907.7
40°	2813.1	2799.6	2813.1	2809.7	2813.1	2819.9	2813.1	2806.3	2786.1	2809.7	2789.4
42.5°	2671.3	2667.9	2671.3	2674.7	2674.7	2688.1	2698.3	2684.7	2678.0	2661.1	2674.7
45°	2519.3	2512.5	2519.3	2526.1	2529.4	2536.1	2566.6	2566.6	2556.4	2529.4	2549.7
47.5°	2357.2	2340.4	2357.2	2377.5	2377.5	2387.6	2418.0	2441.7	2424.7	2391.0	2401.1
50°	2185.0	2188.4	2185.0	2198.5	2198.5	2235.6	2259.2	2282.9	2299.8	2259.2	2212.0
52.5°	2016.1	2012.8	2016.1	2026.2	2039.8	2056.6	2097.2	2120.8	2147.8	2124.2	2049.9
55°	1847.2	1854.0	1847.2	1850.6	1857.4	1867.5	1928.3	1951.9	2002.6	1972.2	1894.5
57.5°	1678.4	1668.3	1678.4	1685.2	1688.6	1698.6	1749.3	1793.2	1823.6	1827.0	1732.5
60°	1482.6	1469.0	1482.6	1512.9	1519.7	1526.4	1573.7	1614.3	1641.3	1651.4	1553.5
62.5°	1310.3	1286.7	1310.3	1330.6	1344.1	1361.0	1394.7	1455.6	1479.2	1482.6	1344.1
65°	1128.0	1117.8	1128.0	1168.4	1171.8	1192.1	1229.3	1273.1	1323.8	1317.0	1117.8
67.5°	962.5	962.5	962.5	989.5	1009.7	1019.8	1067.1	1087.4	1151.6	1158.4	932.1
70°	810.5	807.1	810.5	830.8	844.2	867.9	911.8	935.4	986.1	1003.0	756.5
72.5°	665.3	661.9	665.3	682.2	695.7	715.9	753.1	780.1	824.0	844.2	587.6
75°	536.9	530.2	536.9	550.5	547.1	574.1	604.5	631.5	672.1	685.5	435.6
77.5°	412.0	412.0	412.0	425.5	425.5	452.5	466.0	499.8	523.5	543.7	320.9
80°	307.3	303.9	307.3	310.7	310.7	324.2	347.9	371.5	391.7	391.7	219.5
82.5°	216.2	209.3	216.2	216.2	216.2	222.9	236.4	243.2	256.6	266.8	138.4
85°	135.0	135.0	135.0	138.4	135.0	141.9	145.2	152.0	152.0	145.2	84.4
87.5°	87.8	84.4	87.8	84.4	84.4	81.0	81.0	81.0	77.7	74.3	47.3
90°	20.0	20.0	20.0	20.0	20.0	26.7	35.6	40.0	34.4	23.2	14.7
92.5°	80.2	64.2	80.2	96.1	100.1	141.9	197.6	225.4	197.9	142.9	101.6
95°	279.5	231.2	279.5	327.7	339.8	446.2	588.1	659.0	556.6	351.7	198.1
97.5°	669.7	577.9	669.7	761.5	784.4	851.7	941.4	986.2	815.4	473.8	217.6
100°	964.9	855.6	964.9	1074.2	1101.6	1096.6	1090.0	1086.8	897.2	518.2	233.9
102.5°	1255.3	1161.6	1255.3	1348.9	1372.3	1286.6	1172.4	1115.3	923.1	538.5	250.2
105°	1625.5	1575.2	1625.5	1675.8	1688.4	1496.3	1240.2	1112.1	926.0	553.6	274.4
107.5°	1868.0	1880.2	1868.0	1855.9	1852.8	1584.9	1227.6	1048.9	884.8	556.5	310.3
110°	1960.5	2012.9	1960.5	1908.1	1894.9	1595.4	1196.0	996.2	848.3	552.3	330.3



TEST NUMBER: P934469

CATALOG NUMBER: SQ4-FA-050U-100D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1968.8	2049.3	1968.8	1888.2	1868.1	1561.5	1152.7	948.3	816.3	552.4	354.5
115°	1916.6	2028.3	1916.6	1804.9	1776.9	1481.5	1087.7	890.9	779.8	557.5	390.9
117.5°	1805.8	1929.7	1805.8	1681.9	1651.0	1384.4	1029.0	851.3	756.8	567.9	426.2
120°	1716.7	1837.0	1716.7	1596.3	1566.2	1322.6	997.9	835.6	749.2	576.3	446.7
122.5°	1629.8	1748.5	1629.8	1511.0	1481.4	1262.1	969.6	823.4	745.1	588.5	471.0
125°	1505.8	1615.2	1505.8	1396.5	1369.2	1182.8	934.5	810.3	741.8	604.8	502.1
127.5°	1394.4	1486.7	1394.4	1302.2	1279.1	1119.1	905.8	799.2	739.8	621.1	532.1
130°	1328.8	1414.0	1328.8	1243.5	1222.2	1079.8	889.9	795.0	741.0	633.0	552.1
132.5°	1269.1	1345.5	1269.1	1192.8	1173.7	1046.3	876.3	791.3	741.8	642.7	568.5
135°	1187.5	1253.3	1187.5	1121.7	1105.3	998.5	856.2	784.9	741.1	653.2	587.4
137.5°	1122.0	1175.8	1122.0	1068.2	1054.7	964.5	844.1	783.9	745.7	669.1	611.7
140°	1077.0	1127.4	1077.0	1026.7	1014.1	936.2	832.1	780.2	746.4	678.7	627.9
142.5°	1039.9	1083.1	1039.9	996.5	985.7	917.2	825.8	780.2	749.1	686.8	640.1
145°	984.0	1016.8	984.0	951.2	943.0	887.0	812.3	775.0	749.1	697.4	658.5
147.5°	941.1	968.3	941.1	914.0	907.2	863.2	804.4	775.0	754.3	712.8	681.7
150°	914.1	936.2	914.1	892.1	886.6	849.4	799.8	775.0	756.9	720.9	693.8
152.5°	891.1	907.7	891.1	874.5	870.3	838.5	796.2	775.0	758.7	726.2	701.7
155°	864.6	875.6	864.6	853.5	850.8	825.5	791.8	775.0	762.5	737.7	719.1
157.5°	843.6	851.3	843.6	835.9	833.9	814.3	788.1	775.0	766.5	749.3	736.5
160°	831.1	835.6	831.1	826.6	825.5	808.6	786.2	775.0	768.2	754.6	744.4
162.5°	822.9	827.1	822.9	818.6	817.6	803.4	784.4	775.0	770.0	760.2	752.8
165°	811.1	815.5	811.1	806.6	805.5	795.3	781.8	775.0	772.8	768.2	764.9
167.5°	802.6	804.5	802.6	800.7	800.2	793.6	784.6	780.2	778.3	774.6	771.7
170°	800.2	800.2	800.2	800.2	800.2	793.6	784.6	780.2	780.1	779.8	779.7
172.5°	794.0	792.4	794.0	795.6	796.0	790.7	783.7	780.2	780.2	780.2	780.2
175°	790.2	790.2	790.2	790.2	790.2	786.9	782.4	780.2	781.2	783.3	784.9
177.5°	786.8	784.9	786.8	788.7	789.2	786.6	783.1	781.3	782.1	783.8	784.9
180°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9



TEST NUMBER: P934469

CATALOG NUMBER: SQ4-FA-050U-100D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3620.2	3600.0	3600.0	3566.2	3552.7	3542.5	3525.7	3475.1	3461.5	3448.0	3468.2
5°	3650.6	3613.5	3586.5	3525.7	3475.1	3454.8	3390.6	3269.0	3187.9	3127.2	3093.4
7.5°	3657.4	3610.1	3559.4	3464.9	3343.3	3289.3	3093.4	2870.6	2809.7	2755.7	2721.9
10°	3650.6	3596.6	3525.7	3383.8	3096.8	3002.2	2806.3	2661.1	2624.0	2613.9	2624.0
12.5°	3627.0	3576.4	3478.4	3242.0	2840.1	2776.0	2661.1	2576.7	2570.0	2586.8	2678.0
15°	3586.5	3539.2	3424.4	3052.9	2698.3	2651.0	2570.0	2539.6	2576.7	2694.9	2968.5
17.5°	3545.9	3491.9	3350.1	2867.2	2590.3	2556.4	2499.0	2559.8	2769.2	2927.9	3019.1
20°	3491.9	3427.8	3265.6	2732.0	2512.5	2482.1	2455.1	2728.7	2887.4	2944.9	2995.5
22.5°	3427.8	3360.2	3150.8	2637.5	2431.5	2407.8	2424.7	2823.3	2887.4	2927.9	2971.9
25°	3343.3	3285.9	3015.7	2563.2	2367.4	2340.4	2404.5	2813.1	2850.3	2860.4	2948.2
27.5°	3265.6	3191.3	2873.9	2495.7	2289.7	2279.5	2421.4	2769.2	2796.3	2806.3	2900.9
30°	3171.1	3059.6	2715.2	2424.7	2208.6	2205.2	2424.7	2715.2	2708.4	2735.4	2830.0
32.5°	3073.2	2863.7	2536.1	2337.0	2130.9	2127.5	2401.1	2634.1	2627.4	2664.5	2735.4
35°	2982.0	2711.8	2293.1	2235.6	2033.0	2036.4	2343.7	2539.6	2543.0	2576.7	2620.6
37.5°	2887.4	2580.1	2026.2	2124.2	1938.5	1938.5	2266.0	2451.8	2445.0	2455.1	2516.0
40°	2776.0	2374.1	1789.9	1978.9	1850.6	1840.5	2171.5	2357.2	2333.5	2330.2	2414.7
42.5°	2657.7	2147.8	1614.3	1786.5	1749.3	1735.8	2056.6	2242.4	2198.5	2208.6	2316.7
45°	2529.4	2087.1	1479.2	1509.6	1644.6	1634.5	1931.7	2110.7	2080.2	2107.3	2218.8
47.5°	2401.1	1965.5	1435.3	1252.9	1533.2	1529.9	1793.2	1982.3	1965.5	1992.5	2110.7
50°	2225.5	1830.4	1431.9	1073.9	1408.3	1421.7	1627.7	1857.4	1857.4	1881.0	2005.9
52.5°	1999.2	1664.9	1300.2	972.6	1263.0	1303.6	1482.6	1749.3	1756.1	1779.7	1891.2
55°	1793.2	1492.7	1205.6	894.9	1090.8	1178.6	1340.7	1637.9	1651.4	1675.0	1776.3
57.5°	1604.1	1242.7	1185.4	803.8	932.1	1016.5	1215.7	1529.9	1536.6	1556.9	1654.8
60°	1401.5	898.3	1087.4	705.8	793.6	857.8	1101.0	1401.5	1425.1	1438.6	1523.0
62.5°	1171.8	651.8	986.1	638.2	726.1	739.6	1006.4	1279.9	1310.3	1320.4	1371.1
65°	834.1	547.1	837.5	580.9	655.2	658.5	905.1	1155.0	1182.0	1198.8	1236.0
67.5°	563.9	445.8	638.2	526.8	601.1	604.5	807.1	1009.7	1046.9	1060.4	1084.1
70°	391.7	297.2	472.8	469.5	540.3	547.1	702.5	878.1	911.8	921.9	935.4
72.5°	287.0	239.8	391.7	422.2	476.2	482.9	594.4	729.5	763.2	773.4	780.1
75°	219.5	253.3	317.5	368.1	405.2	408.6	486.3	594.4	618.0	624.8	628.1
77.5°	175.6	236.4	233.0	297.2	330.9	324.2	381.6	459.3	479.5	479.5	479.5
80°	131.7	185.7	175.6	212.7	243.2	236.4	273.6	327.6	334.3	341.1	337.7
82.5°	97.9	118.2	118.2	135.0	162.1	155.3	182.3	212.7	212.7	212.7	219.5
85°	60.7	67.6	54.0	70.9	91.2	87.8	101.3	114.8	118.2	118.2	111.4
87.5°	37.1	30.4	16.9	27.0	40.6	40.6	47.3	50.7	47.3	47.3	47.3
90°	13.7	9.5	5.3	9.5	13.7	14.7	23.2	34.4	40.0	35.6	26.7
92.5°	92.7	56.8	21.0	56.8	92.7	101.6	142.9	197.9	225.4	197.6	141.9
95°	181.7	116.1	50.6	116.1	181.7	198.1	351.7	556.6	659.0	588.1	446.2
97.5°	203.1	145.3	87.4	145.3	203.1	217.6	473.8	815.4	986.2	941.4	851.7
100°	220.8	168.4	115.9	168.4	220.8	233.9	518.2	897.2	1086.8	1090.0	1096.6
102.5°	238.0	189.1	140.2	189.1	238.0	250.2	538.5	923.1	1115.3	1172.4	1286.6
105°	264.0	222.6	181.2	222.6	264.0	274.4	553.6	926.0	1112.1	1240.2	1496.3
107.5°	300.7	262.0	223.4	262.0	300.7	310.3	556.5	884.8	1048.9	1227.6	1584.9
110°	321.6	286.7	251.9	286.7	321.6	330.3	552.3	848.3	996.2	1196.0	1595.4



TEST NUMBER: P934469

CATALOG NUMBER: SQ4-FA-050U-100D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	346.2	312.9	279.7	312.9	346.2	354.5	552.4	816.3	948.3	1152.7	1561.5
115°	383.2	352.6	321.9	352.6	383.2	390.9	557.5	779.8	890.9	1087.7	1481.5
117.5°	419.2	391.3	363.5	391.3	419.2	426.2	567.9	756.8	851.3	1029.0	1384.4
120°	440.1	414.0	387.7	414.0	440.1	446.7	576.3	749.2	835.6	997.9	1322.6
122.5°	464.3	437.9	411.4	437.9	464.3	471.0	588.5	745.1	823.4	969.6	1262.1
125°	496.0	471.9	447.8	471.9	496.0	502.1	604.8	741.8	810.3	934.5	1182.8
127.5°	526.0	501.7	477.3	501.7	526.0	532.1	621.1	739.8	799.2	905.8	1119.1
130°	545.5	519.4	493.1	519.4	545.5	552.1	633.0	741.0	795.0	889.9	1079.8
132.5°	561.9	535.7	509.4	535.7	561.9	568.5	642.7	741.8	791.3	876.3	1046.3
135°	581.4	557.5	533.7	557.5	581.4	587.4	653.2	741.1	784.9	856.2	998.5
137.5°	605.8	582.1	558.4	582.1	605.8	611.7	669.1	745.7	783.9	844.1	964.5
140°	622.5	600.7	578.9	600.7	622.5	627.9	678.7	746.4	780.2	832.1	936.2
142.5°	635.1	614.9	594.8	614.9	635.1	640.1	686.8	749.1	780.2	825.8	917.2
145°	654.1	636.5	619.0	636.5	654.1	658.5	697.4	749.1	775.0	812.3	887.0
147.5°	677.4	660.3	643.3	660.3	677.4	681.7	712.8	754.3	775.0	804.4	863.2
150°	689.9	674.4	659.0	674.4	689.9	693.8	720.9	756.9	775.0	799.8	849.4
152.5°	698.8	687.1	675.4	687.1	698.8	701.7	726.2	758.7	775.0	796.2	838.5
155°	717.0	708.3	699.6	708.3	717.0	719.1	737.7	762.5	775.0	791.8	825.5
157.5°	734.3	726.0	717.6	726.0	734.3	736.5	749.3	766.5	775.0	788.1	814.3
160°	742.8	736.2	729.7	736.2	742.8	744.4	754.6	768.2	775.0	786.2	808.6
162.5°	751.6	746.7	741.8	746.7	751.6	752.8	760.2	770.0	775.0	784.4	803.4
165°	763.8	759.4	755.0	759.4	763.8	764.9	768.2	772.8	775.0	781.8	795.3
167.5°	771.2	769.1	767.1	769.1	771.2	771.7	774.6	778.3	780.2	784.6	793.6
170°	779.2	777.0	775.0	777.0	779.2	779.7	779.8	780.1	780.2	784.6	793.6
172.5°	780.1	779.6	779.2	779.6	780.1	780.2	780.2	780.2	780.2	783.7	790.7
175°	784.9	784.9	784.9	784.9	784.9	784.9	783.3	781.2	780.2	782.4	786.9
177.5°	784.9	784.9	784.9	784.9	784.9	784.9	783.8	782.1	781.3	783.1	786.6
180°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9



TEST NUMBER: P934469

CATALOG NUMBER: SQ4-FA-050U-100D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3444.6	3434.5	3448.0	3410.8	3448.0	3434.5	3444.6	3468.2	3448.0	3461.5	3475.1
5°	3022.5	3005.6	2951.6	2907.7	2951.6	3005.6	3022.5	3093.4	3127.2	3187.9	3269.0
7.5°	2701.7	2688.1	2674.7	2647.6	2674.7	2688.1	2701.7	2721.9	2755.7	2809.7	2870.6
10°	2630.7	2634.1	2654.4	2651.0	2654.4	2634.1	2630.7	2624.0	2613.9	2624.0	2661.1
12.5°	2813.1	2843.5	2954.9	2948.2	2954.9	2843.5	2813.1	2678.0	2586.8	2570.0	2576.7
15°	3022.5	3032.6	3056.3	3059.6	3056.3	3032.6	3022.5	2968.5	2694.9	2576.7	2539.6
17.5°	3042.7	3046.2	3063.0	3063.0	3063.0	3046.2	3042.7	3019.1	2927.9	2769.2	2559.8
20°	3025.9	3032.6	3066.3	3073.2	3066.3	3032.6	3025.9	2995.5	2944.9	2887.4	2728.7
22.5°	3019.1	3032.6	3059.6	3056.3	3059.6	3032.6	3019.1	2971.9	2927.9	2887.4	2823.3
25°	2985.3	2985.3	2988.7	2992.1	2988.7	2985.3	2985.3	2948.2	2860.4	2850.3	2813.1
27.5°	2914.4	2921.2	2941.4	2938.0	2941.4	2921.2	2914.4	2900.9	2806.3	2796.3	2769.2
30°	2850.3	2843.5	2826.6	2813.1	2826.6	2843.5	2850.3	2830.0	2735.4	2708.4	2715.2
32.5°	2742.2	2725.3	2708.4	2698.3	2708.4	2725.3	2742.2	2735.4	2664.5	2627.4	2634.1
35°	2613.9	2617.3	2613.9	2603.7	2613.9	2617.3	2613.9	2620.6	2576.7	2543.0	2539.6
37.5°	2522.7	2529.4	2526.1	2512.5	2526.1	2529.4	2522.7	2516.0	2455.1	2445.0	2451.8
40°	2428.1	2431.5	2428.1	2418.0	2428.1	2431.5	2428.1	2414.7	2330.2	2333.5	2357.2
42.5°	2337.0	2333.5	2323.4	2316.7	2323.4	2333.5	2337.0	2316.7	2208.6	2198.5	2242.4
45°	2232.2	2235.6	2215.4	2205.2	2215.4	2235.6	2232.2	2218.8	2107.3	2080.2	2110.7
47.5°	2127.5	2127.5	2110.7	2100.5	2110.7	2127.5	2127.5	2110.7	1992.5	1965.5	1982.3
50°	2016.1	2012.8	1989.1	1985.8	1989.1	2012.8	2016.1	2005.9	1881.0	1857.4	1857.4
52.5°	1887.8	1887.8	1891.2	1897.9	1891.2	1887.8	1887.8	1891.2	1779.7	1756.1	1749.3
55°	1776.3	1779.7	1803.3	1810.1	1803.3	1779.7	1776.3	1776.3	1675.0	1651.4	1637.9
57.5°	1661.5	1661.5	1678.4	1678.4	1678.4	1661.5	1661.5	1654.8	1556.9	1536.6	1529.9
60°	1529.9	1536.6	1550.0	1546.7	1550.0	1536.6	1529.9	1523.0	1438.6	1425.1	1401.5
62.5°	1391.3	1398.1	1401.5	1394.7	1401.5	1398.1	1391.3	1371.1	1320.4	1310.3	1279.9
65°	1246.1	1252.9	1256.3	1249.5	1256.3	1252.9	1246.1	1236.0	1198.8	1182.0	1155.0
67.5°	1097.5	1094.1	1090.8	1104.3	1090.8	1094.1	1097.5	1084.1	1060.4	1046.9	1009.7
70°	945.5	945.5	942.2	949.0	942.2	945.5	945.5	935.4	921.9	911.8	878.1
72.5°	783.5	780.1	793.6	783.5	793.6	780.1	783.5	780.1	773.4	763.2	729.5
75°	624.8	631.5	624.8	634.9	624.8	631.5	624.8	628.1	624.8	618.0	594.4
77.5°	476.2	482.9	476.2	476.2	476.2	482.9	476.2	479.5	479.5	479.5	459.3
80°	337.7	334.3	334.3	330.9	334.3	334.3	337.7	337.7	341.1	334.3	327.6
82.5°	216.2	212.7	212.7	219.5	212.7	212.7	216.2	219.5	212.7	212.7	212.7
85°	118.2	121.6	114.8	114.8	114.8	121.6	118.2	111.4	118.2	118.2	114.8
87.5°	43.9	40.6	40.6	40.6	40.6	40.6	43.9	47.3	47.3	47.3	50.7
90°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	26.7	35.6	40.0	34.4
92.5°	100.1	96.1	80.2	64.2	80.2	96.1	100.1	141.9	197.6	225.4	197.9
95°	339.8	327.7	279.5	231.2	279.5	327.7	339.8	446.2	588.1	659.0	556.6
97.5°	784.4	761.5	669.7	577.9	669.7	761.5	784.4	851.7	941.4	986.2	815.4
100°	1101.6	1074.2	964.9	855.6	964.9	1074.2	1101.6	1096.6	1090.0	1086.8	897.2
102.5°	1372.3	1348.9	1255.3	1161.6	1255.3	1348.9	1372.3	1286.6	1172.4	1115.3	923.1
105°	1688.4	1675.8	1625.5	1575.2	1625.5	1675.8	1688.4	1496.3	1240.2	1112.1	926.0
107.5°	1852.8	1855.9	1868.0	1880.2	1868.0	1855.9	1852.8	1584.9	1227.6	1048.9	884.8
110°	1894.9	1908.1	1960.5	2012.9	1960.5	1908.1	1894.9	1595.4	1196.0	996.2	848.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1868.1	1888.2	1968.8	2049.3	1968.8	1888.2	1868.1	1561.5	1152.7	948.3	816.3
115°	1776.9	1804.9	1916.6	2028.3	1916.6	1804.9	1776.9	1481.5	1087.7	890.9	779.8
117.5°	1651.0	1681.9	1805.8	1929.7	1805.8	1681.9	1651.0	1384.4	1029.0	851.3	756.8
120°	1566.2	1596.3	1716.7	1837.0	1716.7	1596.3	1566.2	1322.6	997.9	835.6	749.2
122.5°	1481.4	1511.0	1629.8	1748.5	1629.8	1511.0	1481.4	1262.1	969.6	823.4	745.1
125°	1369.2	1396.5	1505.8	1615.2	1505.8	1396.5	1369.2	1182.8	934.5	810.3	741.8
127.5°	1279.1	1302.2	1394.4	1486.7	1394.4	1302.2	1279.1	1119.1	905.8	799.2	739.8
130°	1222.2	1243.5	1328.8	1414.0	1328.8	1243.5	1222.2	1079.8	889.9	795.0	741.0
132.5°	1173.7	1192.8	1269.1	1345.5	1269.1	1192.8	1173.7	1046.3	876.3	791.3	741.8
135°	1105.3	1121.7	1187.5	1253.3	1187.5	1121.7	1105.3	998.5	856.2	784.9	741.1
137.5°	1054.7	1068.2	1122.0	1175.8	1122.0	1068.2	1054.7	964.5	844.1	783.9	745.7
140°	1014.1	1026.7	1077.0	1127.4	1077.0	1026.7	1014.1	936.2	832.1	780.2	746.4
142.5°	985.7	996.5	1039.9	1083.1	1039.9	996.5	985.7	917.2	825.8	780.2	749.1
145°	943.0	951.2	984.0	1016.8	984.0	951.2	943.0	887.0	812.3	775.0	749.1
147.5°	907.2	914.0	941.1	968.3	941.1	914.0	907.2	863.2	804.4	775.0	754.3
150°	886.6	892.1	914.1	936.2	914.1	892.1	886.6	849.4	799.8	775.0	756.9
152.5°	870.3	874.5	891.1	907.7	891.1	874.5	870.3	838.5	796.2	775.0	758.7
155°	850.8	853.5	864.6	875.6	864.6	853.5	850.8	825.5	791.8	775.0	762.5
157.5°	833.9	835.9	843.6	851.3	843.6	835.9	833.9	814.3	788.1	775.0	766.5
160°	825.5	826.6	831.1	835.6	831.1	826.6	825.5	808.6	786.2	775.0	768.2
162.5°	817.6	818.6	822.9	827.1	822.9	818.6	817.6	803.4	784.4	775.0	770.0
165°	805.5	806.6	811.1	815.5	811.1	806.6	805.5	795.3	781.8	775.0	772.8
167.5°	800.2	800.7	802.6	804.5	802.6	800.7	800.2	793.6	784.6	780.2	778.3
170°	800.2	800.2	800.2	800.2	800.2	800.2	800.2	793.6	784.6	780.2	780.1
172.5°	796.0	795.6	794.0	792.4	794.0	795.6	796.0	790.7	783.7	780.2	780.2
175°	790.2	790.2	790.2	790.2	790.2	790.2	790.2	786.9	782.4	780.2	781.2
177.5°	789.2	788.7	786.8	784.9	786.8	788.7	789.2	786.6	783.1	781.3	782.1
180°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3569.5	3569.5	3569.5	3569.5	3569.5
2.5°	3525.7	3542.5	3552.7	3566.2	3600.0
5°	3390.6	3454.8	3475.1	3525.7	3586.5
7.5°	3093.4	3289.3	3343.3	3464.9	3559.4
10°	2806.3	3002.2	3096.8	3383.8	3525.7
12.5°	2661.1	2776.0	2840.1	3242.0	3478.4
15°	2570.0	2651.0	2698.3	3052.9	3424.4
17.5°	2499.0	2556.4	2590.3	2867.2	3350.1
20°	2455.1	2482.1	2512.5	2732.0	3265.6
22.5°	2424.7	2407.8	2431.5	2637.5	3150.8
25°	2404.5	2340.4	2367.4	2563.2	3015.7
27.5°	2421.4	2279.5	2289.7	2495.7	2873.9
30°	2424.7	2205.2	2208.6	2424.7	2715.2
32.5°	2401.1	2127.5	2130.9	2337.0	2536.1
35°	2343.7	2036.4	2033.0	2235.6	2293.1
37.5°	2266.0	1938.5	1938.5	2124.2	2026.2
40°	2171.5	1840.5	1850.6	1978.9	1789.9
42.5°	2056.6	1735.8	1749.3	1786.5	1614.3
45°	1931.7	1634.5	1644.6	1509.6	1479.2
47.5°	1793.2	1529.9	1533.2	1252.9	1435.3
50°	1627.7	1421.7	1408.3	1073.9	1431.9
52.5°	1482.6	1303.6	1263.0	972.6	1300.2
55°	1340.7	1178.6	1090.8	894.9	1205.6
57.5°	1215.7	1016.5	932.1	803.8	1185.4
60°	1101.0	857.8	793.6	705.8	1087.4
62.5°	1006.4	739.6	726.1	638.2	986.1
65°	905.1	658.5	655.2	580.9	837.5
67.5°	807.1	604.5	601.1	526.8	638.2
70°	702.5	547.1	540.3	469.5	472.8
72.5°	594.4	482.9	476.2	422.2	391.7
75°	486.3	408.6	405.2	368.1	317.5
77.5°	381.6	324.2	330.9	297.2	233.0
80°	273.6	236.4	243.2	212.7	175.6
82.5°	182.3	155.3	162.1	135.0	118.2
85°	101.3	87.8	91.2	70.9	54.0
87.5°	47.3	40.6	40.6	27.0	16.9
90°	23.2	14.7	13.7	9.5	5.3
92.5°	142.9	101.6	92.7	56.8	21.0
95°	351.7	198.1	181.7	116.1	50.6
97.5°	473.8	217.6	203.1	145.3	87.4
100°	518.2	233.9	220.8	168.4	115.9
102.5°	538.5	250.2	238.0	189.1	140.2
105°	553.6	274.4	264.0	222.6	181.2
107.5°	556.5	310.3	300.7	262.0	223.4
110°	552.3	330.3	321.6	286.7	251.9



TEST NUMBER: P934469

CATALOG NUMBER: SQ4-FA-050U-100D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	552.4	354.5	346.2	312.9	279.7
115°	557.5	390.9	383.2	352.6	321.9
117.5°	567.9	426.2	419.2	391.3	363.5
120°	576.3	446.7	440.1	414.0	387.7
122.5°	588.5	471.0	464.3	437.9	411.4
125°	604.8	502.1	496.0	471.9	447.8
127.5°	621.1	532.1	526.0	501.7	477.3
130°	633.0	552.1	545.5	519.4	493.1
132.5°	642.7	568.5	561.9	535.7	509.4
135°	653.2	587.4	581.4	557.5	533.7
137.5°	669.1	611.7	605.8	582.1	558.4
140°	678.7	627.9	622.5	600.7	578.9
142.5°	686.8	640.1	635.1	614.9	594.8
145°	697.4	658.5	654.1	636.5	619.0
147.5°	712.8	681.7	677.4	660.3	643.3
150°	720.9	693.8	689.9	674.4	659.0
152.5°	726.2	701.7	698.8	687.1	675.4
155°	737.7	719.1	717.0	708.3	699.6
157.5°	749.3	736.5	734.3	726.0	717.6
160°	754.6	744.4	742.8	736.2	729.7
162.5°	760.2	752.8	751.6	746.7	741.8
165°	768.2	764.9	763.8	759.4	755.0
167.5°	774.6	771.7	771.2	769.1	767.1
170°	779.8	779.7	779.2	777.0	775.0
172.5°	780.2	780.2	780.1	779.6	779.2
175°	783.3	784.9	784.9	784.9	784.9
177.5°	783.8	784.9	784.9	784.9	784.9
180°	784.9	784.9	784.9	784.9	784.9



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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	14.40	15.41	15.22	16.25	17.30	17.25	18.26	18.07	19.10	20.15
	3H	14.89	15.79	15.72	16.65	17.72	18.61	19.52	19.45	20.37	21.45
	4H	15.08	15.94	15.94	16.80	17.89	19.07	19.92	19.92	20.78	21.87
	6H	15.21	16.00	16.07	16.87	17.97	19.37	20.16	20.23	21.02	22.12
	8H	15.22	15.97	16.09	16.85	17.95	19.45	20.20	20.32	21.09	22.18
	12H	15.19	15.91	16.07	16.79	17.91	19.50	20.21	20.37	21.09	22.22
4H	2H	15.45	16.31	16.31	17.17	18.26	17.68	18.53	18.53	19.39	20.48
	3H	16.50	17.21	17.36	18.10	19.20	19.20	19.91	20.07	20.81	21.91
	4H	16.78	17.43	17.66	18.32	19.44	19.74	20.39	20.62	21.28	22.41
	6H	16.91	17.47	17.81	18.39	19.52	20.12	20.68	21.02	21.59	22.73
	8H	16.92	17.44	17.82	18.35	19.50	20.23	20.76	21.13	21.67	22.81
	12H	16.89	17.37	17.81	18.29	19.44	20.30	20.77	21.22	21.70	22.85
8H	4H	17.25	17.77	18.14	18.68	19.82	19.88	20.40	20.77	21.31	22.45
	6H	17.51	17.95	18.44	18.90	20.04	20.32	20.76	21.25	21.71	22.85
	8H	17.56	17.94	18.49	18.88	20.05	20.48	20.87	21.42	21.81	22.97
	12H	17.55	17.89	18.49	18.82	20.03	20.59	20.93	21.53	21.86	23.08
12H	4H	17.26	17.73	18.18	18.66	19.81	19.85	20.32	20.77	21.25	22.40
	6H	17.58	17.96	18.51	18.90	20.06	20.32	20.71	21.26	21.65	22.81
	8H	17.65	17.99	18.59	18.92	20.14	20.49	20.83	21.43	21.77	22.98