

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: P934505

Luminaire Tested: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934505
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-B50-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

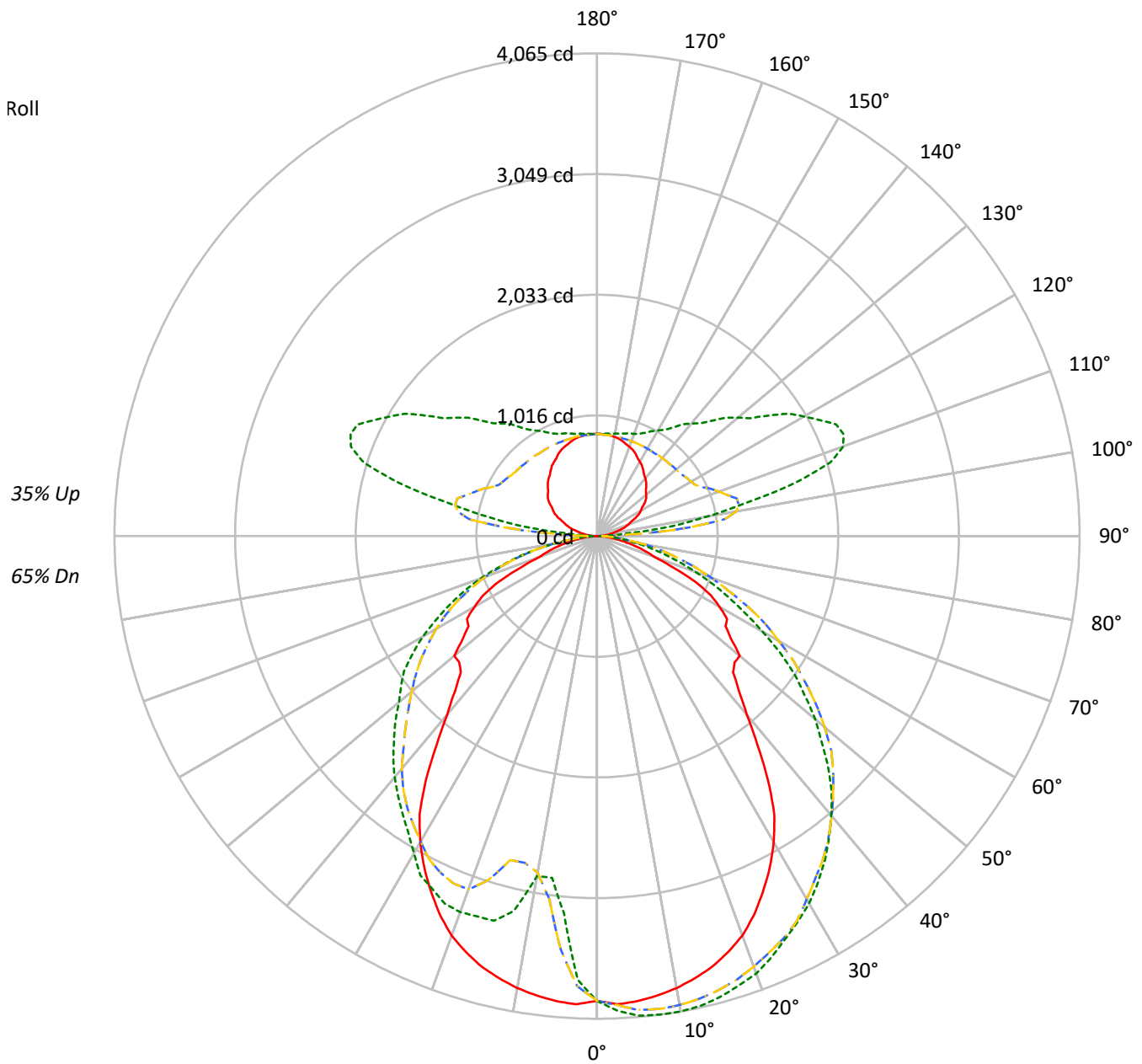
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15727.6 lumens
Efficiency: N/A
Efficacy: 116.0 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

TEST NUMBER: P934505
CATALOG NUMBER: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270° - · 135°-315°



TEST NUMBER: P934505
 CATALOG NUMBER: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

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°	12104	12104	12104	12104
5°	12199	12218	12199	9607
10°	12121	12036	12121	8604
15°	11994	11775	11994	9832
20°	11748	11466	11748	9852
25°	11239	11015	11239	9643
30°	10580	10641	10580	9186
35°	9437	10168	9437	8682
40°	7867	9611	7867	8301
45°	7034	8959	7034	7863
50°	7479	8182	7479	7424
55°	7043	7344	7043	7170
60°	7270	6237	7270	6567
65°	6601	5156	6601	5763
70°	4582	4109	4582	4831
75°	4033	3037	4033	3637
80°	3274	2008	3274	2186
85°	1918	1063	1918	904

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10774 cd/sqm



TEST NUMBER: P934505

CATALOG NUMBER: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.2	2.2
10°-20°	1002.9	6.4
20°-30°	1550.3	9.9
30°-40°	1850.7	11.8
40°-50°	1861.6	11.8
50°-60°	1619.8	10.3
60°-70°	1148.5	7.3
70°-80°	607.6	3.9
80°-90°	154.6	1.0
90°-100°	419.4	2.7
100°-110°	1102.8	7.0
110°-120°	1143.4	7.3
120°-130°	917.2	5.8
130°-140°	719.7	4.6
140°-150°	552.4	3.5
150°-160°	397.8	2.5
160°-170°	243.4	1.5
170°-180°	82.2	0.5
0°-30°	2906.5	18.5
0°-40°	4757.2	30.2
0°-60°	8238.6	52.4
0°-90°	10149.3	64.5
90°-120°	2665.6	16.9
90°-150°	4854.8	30.9
90°-180°	5578.0	35.5
0°-180°	15727.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3913	3913	3913	3913	3913	
5°	3932	4054	3932	3188	3932	373
15°	3754	4017	3754	3354	3754	1056
25°	3306	3747	3306	3280	3306	1518
35°	2514	3343	2514	2854	2514	1555
45°	1622	2754	1622	2418	1622	1299
55°	1322	2032	1322	1984	1322	1214
65°	918	1225	918	1370	918	877
75°	348	581	348	696	348	366
85°	59	148	59	126	59	80
90°	6	22	6	22	6	7
95°	56	254	56	254	56	62
105°	199	1727	199	1727	199	211
115°	353	2224	353	2224	353	348
125°	491	1771	491	1771	491	436
135°	585	1374	585	1374	585	453
145°	679	1115	679	1115	679	425
155°	767	960	767	960	767	352
165°	828	894	828	894	828	234
175°	860	866	860	866	860	82
180°	860	860	860	860	860	



TEST NUMBER: P934505
 CATALOG NUMBER: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3946.4	3946.4	3968.7	3976.0	3976.0	3964.9	3953.8	3964.9	3998.3	4009.4	4005.6
5°	3931.7	3961.3	4002.0	4009.4	4016.8	4013.1	4005.6	4013.1	4050.1	4057.5	4061.2
7.5°	3902.0	3957.5	4009.4	4020.5	4031.6	4020.5	4016.8	4024.2	4061.2	4068.6	4068.6
10°	3865.0	3942.8	4002.0	4009.4	4020.5	4009.4	4009.4	4024.2	4061.2	4068.6	4072.3
12.5°	3813.1	3920.6	3976.0	3983.5	3998.3	3994.5	3990.9	4005.6	4042.7	4050.1	4050.1
15°	3753.9	3879.8	3931.7	3939.1	3964.9	3957.5	3957.5	3972.4	4013.1	4024.2	4020.5
17.5°	3672.5	3828.0	3887.2	3898.3	3916.8	3913.1	3916.8	3931.7	3968.7	3976.0	3979.8
20°	3579.9	3757.7	3828.0	3839.1	3857.6	3857.6	3857.6	3876.1	3913.1	3927.9	3927.9
22.5°	3454.0	3683.6	3757.7	3765.0	3787.3	3787.3	3794.7	3820.5	3853.9	3857.6	3857.6
25°	3306.0	3602.2	3665.1	3687.3	3709.5	3720.6	3731.7	3746.6	3757.7	3753.9	3757.7
27.5°	3150.5	3498.5	3579.9	3594.8	3624.4	3635.5	3650.3	3654.0	3657.6	3668.8	3661.4
30°	2976.5	3354.1	3476.3	3491.1	3539.2	3546.6	3531.8	3539.2	3557.7	3565.2	3572.6
32.5°	2780.2	3139.4	3368.9	3402.2	3446.6	3424.4	3420.8	3431.9	3461.5	3461.5	3468.9
35°	2513.8	2972.8	3269.0	3298.6	3331.9	3306.0	3320.7	3324.5	3343.0	3354.1	3350.4
37.5°	2221.2	2828.4	3165.3	3187.6	3213.4	3180.1	3202.3	3213.4	3228.3	3220.8	3220.8
40°	1962.1	2602.6	3043.2	3057.9	3080.1	3054.3	3076.4	3083.9	3091.3	3083.9	3080.1
42.5°	1769.6	2354.5	2913.5	2932.1	2917.3	2935.7	2943.1	2958.0	2946.9	2932.1	2932.1
45°	1621.5	2287.9	2772.9	2795.1	2772.9	2802.5	2813.6	2813.6	2780.2	2772.9	2769.2
47.5°	1573.4	2154.6	2632.2	2632.2	2621.1	2658.1	2676.7	2650.7	2617.3	2606.3	2606.3
50°	1569.7	2006.5	2439.7	2424.9	2476.7	2521.1	2502.7	2476.7	2450.8	2410.1	2410.1
52.5°	1425.3	1825.1	2191.6	2247.2	2328.6	2354.5	2324.9	2299.0	2254.6	2236.1	2221.2
55°	1321.6	1636.4	1965.8	2076.8	2162.0	2195.4	2139.8	2113.9	2047.2	2036.1	2028.7
57.5°	1299.5	1362.3	1758.5	1899.2	2002.9	1999.1	1965.8	1917.7	1862.1	1851.1	1847.4
60°	1192.1	984.7	1536.3	1703.0	1810.4	1799.3	1769.6	1725.2	1673.4	1666.0	1658.5
62.5°	1081.0	714.5	1284.6	1473.5	1625.3	1621.5	1595.6	1529.0	1492.0	1473.5	1458.6
65°	918.1	599.7	914.4	1225.4	1443.8	1451.2	1395.7	1347.6	1306.9	1284.6	1280.9
67.5°	699.7	488.7	618.2	1021.8	1269.9	1262.4	1192.1	1169.8	1118.0	1106.9	1084.7
70°	518.3	325.8	429.5	829.3	1099.5	1081.0	1025.4	999.6	951.5	925.5	910.7
72.5°	429.5	262.8	314.7	644.2	925.5	903.3	855.2	825.6	784.8	762.6	747.9
75°	348.0	277.7	240.6	477.6	751.5	736.7	692.3	662.7	629.3	599.7	603.5
77.5°	255.4	259.2	192.5	351.7	596.1	573.8	547.9	510.9	496.0	466.4	466.4
80°	192.5	203.6	144.4	240.6	429.5	429.5	407.2	381.4	355.4	340.6	340.6
82.5°	129.5	129.5	107.3	151.8	292.4	281.3	266.6	259.2	244.3	237.0	237.0
85°	59.2	74.1	66.6	92.6	159.2	166.6	166.6	159.2	155.5	148.0	151.8
87.5°	18.5	33.3	40.7	51.8	81.4	85.2	88.8	88.8	88.8	92.6	92.6
90°	5.8	10.4	15.0	16.2	25.4	37.7	43.9	39.0	29.2	21.9	21.9
92.5°	23.1	62.3	101.6	111.4	156.6	217.0	247.1	216.6	155.5	109.7	105.4
95°	55.5	127.3	199.2	217.2	385.6	610.2	722.4	644.6	489.1	372.5	359.2
97.5°	95.8	159.2	222.7	238.5	519.4	893.8	1081.1	1032.0	933.6	859.9	834.8
100°	127.0	184.6	242.0	256.4	568.1	983.6	1191.4	1195.0	1202.2	1207.6	1177.6
102.5°	153.6	207.3	260.9	274.3	590.4	1011.9	1222.6	1285.2	1410.4	1504.4	1478.7
105°	198.7	244.1	289.4	300.8	606.9	1015.1	1219.2	1359.5	1640.3	1850.9	1837.1
107.5°	244.9	287.2	329.6	340.2	610.1	970.0	1149.8	1345.7	1737.4	2031.2	2034.5
110°	276.1	314.3	352.6	362.1	605.4	929.9	1092.1	1311.1	1748.9	2077.3	2091.7



TEST NUMBER: P934505

CATALOG NUMBER: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	306.6	343.1	379.5	388.6	605.6	894.9	1039.5	1263.6	1711.7	2047.9	2069.9
115°	352.9	386.5	420.1	428.5	611.2	854.8	976.6	1192.4	1624.1	1948.0	1978.6
117.5°	398.4	429.0	459.5	467.2	622.5	829.7	933.3	1128.1	1517.7	1809.9	1843.8
120°	425.1	453.8	482.5	489.7	631.8	821.3	916.0	1094.0	1449.9	1717.0	1749.9
122.5°	451.0	480.1	509.0	516.3	645.1	816.8	902.6	1062.9	1383.5	1623.9	1656.4
125°	490.9	517.3	543.8	550.4	663.0	813.1	888.2	1024.4	1296.7	1500.9	1530.9
127.5°	523.2	549.9	576.7	583.3	680.9	811.0	876.1	993.0	1226.8	1402.2	1427.5
130°	540.6	569.4	598.0	605.2	694.0	812.3	871.5	975.6	1183.8	1339.8	1363.2
132.5°	558.4	587.2	616.0	623.2	704.6	813.1	867.4	960.6	1147.0	1286.7	1307.6
135°	585.1	611.2	637.4	643.9	716.1	812.4	860.5	938.6	1094.6	1211.7	1229.7
137.5°	612.1	638.1	664.1	670.5	733.5	817.4	859.4	925.3	1057.3	1156.2	1171.0
140°	634.7	658.6	682.4	688.4	744.0	818.2	855.3	912.2	1026.3	1111.7	1125.6
142.5°	652.0	674.1	696.2	701.7	752.9	821.2	855.3	905.3	1005.5	1080.5	1092.4
145°	678.6	697.8	717.0	721.9	764.5	821.2	849.6	890.5	972.4	1033.8	1042.7
147.5°	705.2	723.8	742.6	747.3	781.4	826.9	849.6	881.8	946.2	994.5	1002.0
150°	722.4	739.4	756.4	760.6	790.3	829.8	849.6	876.7	931.1	971.9	978.0
152.5°	740.4	753.2	766.1	769.2	796.0	831.7	849.6	872.8	919.2	954.1	958.7
155°	766.9	776.4	786.0	788.3	808.8	835.9	849.6	868.1	905.0	932.7	935.7
157.5°	786.6	795.9	805.0	807.3	821.5	840.2	849.6	864.0	892.6	914.2	916.3
160°	799.9	807.1	814.3	816.0	827.2	842.1	849.6	861.9	886.5	905.0	906.2
162.5°	813.1	818.6	824.0	825.3	833.4	844.1	849.6	859.9	880.7	896.3	897.4
165°	827.6	832.5	837.3	838.5	842.2	847.1	849.6	857.0	871.9	883.0	884.2
167.5°	840.9	843.1	845.5	846.0	849.1	853.2	855.3	860.1	869.9	877.2	877.8
170°	849.6	851.8	854.1	854.7	854.9	855.2	855.3	860.1	869.9	877.2	877.2
172.5°	854.1	854.6	855.2	855.3	855.3	855.3	855.3	859.1	866.8	872.6	872.2
175°	860.5	860.5	860.5	860.5	858.7	856.4	855.3	857.7	862.6	866.3	866.3
177.5°	860.5	860.5	860.5	860.5	859.2	857.4	856.5	858.4	862.3	865.2	864.6
180°	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5



TEST NUMBER: P934505

CATALOG NUMBER: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	4013.1	4002.0	4013.1	4005.6	4009.4	3998.3	3964.9	3953.8	3964.9	3976.0	3976.0
5°	4061.2	4053.8	4061.2	4061.2	4057.5	4050.1	4013.1	4005.6	4013.1	4016.8	4009.4
7.5°	4076.0	4065.0	4076.0	4068.6	4068.6	4061.2	4024.2	4016.8	4020.5	4031.6	4020.5
10°	4076.0	4065.0	4076.0	4072.3	4068.6	4061.2	4024.2	4009.4	4009.4	4020.5	4009.4
12.5°	4057.5	4050.1	4057.5	4050.1	4050.1	4042.7	4005.6	3990.9	3994.5	3998.3	3983.5
15°	4027.9	4016.8	4027.9	4020.5	4024.2	4013.1	3972.4	3957.5	3957.5	3964.9	3939.1
17.5°	3983.5	3968.7	3983.5	3979.8	3976.0	3968.7	3931.7	3916.8	3913.1	3916.8	3898.3
20°	3931.7	3920.6	3931.7	3927.9	3927.9	3913.1	3876.1	3857.6	3857.6	3857.6	3839.1
22.5°	3850.2	3839.1	3850.2	3857.6	3857.6	3853.9	3820.5	3794.7	3787.3	3787.3	3765.0
25°	3757.7	3746.6	3757.7	3757.7	3753.9	3757.7	3746.6	3731.7	3720.6	3709.5	3687.3
27.5°	3668.8	3661.4	3668.8	3661.4	3668.8	3657.6	3654.0	3650.3	3635.5	3624.4	3594.8
30°	3579.9	3572.6	3579.9	3572.6	3565.2	3557.7	3539.2	3531.8	3546.6	3539.2	3491.1
32.5°	3468.9	3461.5	3468.9	3468.9	3461.5	3461.5	3431.9	3420.8	3424.4	3446.6	3402.2
35°	3354.1	3343.0	3354.1	3350.4	3354.1	3343.0	3324.5	3320.7	3306.0	3331.9	3298.6
37.5°	3220.8	3209.7	3220.8	3220.8	3220.8	3228.3	3213.4	3202.3	3180.1	3213.4	3187.6
40°	3083.9	3069.0	3083.9	3080.1	3083.9	3091.3	3083.9	3076.4	3054.3	3080.1	3057.9
42.5°	2928.4	2924.6	2928.4	2932.1	2932.1	2946.9	2958.0	2943.1	2935.7	2917.3	2932.1
45°	2761.7	2754.4	2761.7	2769.2	2772.9	2780.2	2813.6	2813.6	2802.5	2772.9	2795.1
47.5°	2584.1	2565.6	2584.1	2606.3	2606.3	2617.3	2650.7	2676.7	2658.1	2621.1	2632.2
50°	2395.2	2399.0	2395.2	2410.1	2410.1	2450.8	2476.7	2502.7	2521.1	2476.7	2424.9
52.5°	2210.1	2206.5	2210.1	2221.2	2236.1	2254.6	2299.0	2324.9	2354.5	2328.6	2247.2
55°	2025.0	2032.5	2025.0	2028.7	2036.1	2047.2	2113.9	2139.8	2195.4	2162.0	2076.8
57.5°	1840.0	1828.9	1840.0	1847.4	1851.1	1862.1	1917.7	1965.8	1999.1	2002.9	1899.2
60°	1625.3	1610.4	1625.3	1658.5	1666.0	1673.4	1725.2	1769.6	1799.3	1810.4	1703.0
62.5°	1436.4	1410.5	1436.4	1458.6	1473.5	1492.0	1529.0	1595.6	1621.5	1625.3	1473.5
65°	1236.5	1225.4	1236.5	1280.9	1284.6	1306.9	1347.6	1395.7	1451.2	1443.8	1225.4
67.5°	1055.1	1055.1	1055.1	1084.7	1106.9	1118.0	1169.8	1192.1	1262.4	1269.9	1021.8
70°	888.5	884.8	888.5	910.7	925.5	951.5	999.6	1025.4	1081.0	1099.5	829.3
72.5°	729.4	725.6	729.4	747.9	762.6	784.8	825.6	855.2	903.3	925.5	644.2
75°	588.6	581.2	588.6	603.5	599.7	629.3	662.7	692.3	736.7	751.5	477.6
77.5°	451.7	451.7	451.7	466.4	466.4	496.0	510.9	547.9	573.8	596.1	351.7
80°	336.9	333.2	336.9	340.6	340.6	355.4	381.4	407.2	429.5	429.5	240.6
82.5°	237.0	229.5	237.0	237.0	237.0	244.3	259.2	266.6	281.3	292.4	151.8
85°	148.0	148.0	148.0	151.8	148.0	155.5	159.2	166.6	166.6	159.2	92.6
87.5°	96.3	92.6	96.3	92.6	92.6	88.8	88.8	88.8	85.2	81.4	51.8
90°	21.9	21.9	21.9	21.9	21.9	29.2	39.0	43.9	37.7	25.4	16.2
92.5°	87.9	70.4	87.9	105.4	109.7	155.5	216.6	247.1	217.0	156.6	111.4
95°	306.4	253.5	306.4	359.2	372.5	489.1	644.6	722.4	610.2	385.6	217.2
97.5°	734.1	633.5	734.1	834.8	859.9	933.6	1032.0	1081.1	893.8	519.4	238.5
100°	1057.8	937.9	1057.8	1177.6	1207.6	1202.2	1195.0	1191.4	983.6	568.1	256.4
102.5°	1376.1	1273.4	1376.1	1478.7	1504.4	1410.4	1285.2	1222.6	1011.9	590.4	274.3
105°	1782.0	1726.8	1782.0	1837.1	1850.9	1640.3	1359.5	1219.2	1015.1	606.9	300.8
107.5°	2047.8	2061.2	2047.8	2034.5	2031.2	1737.4	1345.7	1149.8	970.0	610.1	340.2
110°	2149.1	2206.7	2149.1	2091.7	2077.3	1748.9	1311.1	1092.1	929.9	605.4	362.1



TEST NUMBER: P934505

CATALOG NUMBER: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2158.3	2246.6	2158.3	2069.9	2047.9	1711.7	1263.6	1039.5	894.9	605.6	388.6
115°	2101.0	2223.5	2101.0	1978.6	1948.0	1624.1	1192.4	976.6	854.8	611.2	428.5
117.5°	1979.6	2115.4	1979.6	1843.8	1809.9	1517.7	1128.1	933.3	829.7	622.5	467.2
120°	1881.9	2013.8	1881.9	1749.9	1717.0	1449.9	1094.0	916.0	821.3	631.8	489.7
122.5°	1786.6	1916.8	1786.6	1656.4	1623.9	1383.5	1062.9	902.6	816.8	645.1	516.3
125°	1650.8	1770.7	1650.8	1530.9	1500.9	1296.7	1024.4	888.2	813.1	663.0	550.4
127.5°	1528.6	1629.7	1528.6	1427.5	1402.2	1226.8	993.0	876.1	811.0	680.9	583.3
130°	1456.7	1550.1	1456.7	1363.2	1339.8	1183.8	975.6	871.5	812.3	694.0	605.2
132.5°	1391.3	1475.0	1391.3	1307.6	1286.7	1147.0	960.6	867.4	813.1	704.6	623.2
135°	1301.8	1373.9	1301.8	1229.7	1211.7	1094.6	938.6	860.5	812.4	716.1	643.9
137.5°	1230.0	1289.0	1230.0	1171.0	1156.2	1057.3	925.3	859.4	817.4	733.5	670.5
140°	1180.7	1235.9	1180.7	1125.6	1111.7	1026.3	912.2	855.3	818.2	744.0	688.4
142.5°	1139.9	1187.4	1139.9	1092.4	1080.5	1005.5	905.3	855.3	821.2	752.9	701.7
145°	1078.7	1114.6	1078.7	1042.7	1033.8	972.4	890.5	849.6	821.2	764.5	721.9
147.5°	1031.7	1061.5	1031.7	1002.0	994.5	946.2	881.8	849.6	826.9	781.4	747.3
150°	1002.1	1026.3	1002.1	978.0	971.9	931.1	876.7	849.6	829.8	790.3	760.6
152.5°	976.9	995.1	976.9	958.7	954.1	919.2	872.8	849.6	831.7	796.0	769.2
155°	947.8	959.9	947.8	935.7	932.7	905.0	868.1	849.6	835.9	808.8	788.3
157.5°	924.8	933.3	924.8	916.3	914.2	892.6	864.0	849.6	840.2	821.5	807.3
160°	911.1	916.0	911.1	906.2	905.0	886.5	861.9	849.6	842.1	827.2	816.0
162.5°	902.1	906.7	902.1	897.4	896.3	880.7	859.9	849.6	844.1	833.4	825.3
165°	889.2	894.0	889.2	884.2	883.0	871.9	857.0	849.6	847.1	842.2	838.5
167.5°	879.8	881.9	879.8	877.8	877.2	869.9	860.1	855.3	853.2	849.1	846.0
170°	877.2	877.2	877.2	877.2	877.2	869.9	860.1	855.3	855.2	854.9	854.7
172.5°	870.4	868.6	870.4	872.2	872.6	866.8	859.1	855.3	855.3	855.3	855.3
175°	866.3	866.3	866.3	866.3	866.3	862.6	857.7	855.3	856.4	858.7	860.5
177.5°	862.5	860.5	862.5	864.6	865.2	862.3	858.4	856.5	857.4	859.2	860.5
180°	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5



TEST NUMBER: P934505
 CATALOG NUMBER: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3968.7	3946.4	3946.4	3909.4	3894.6	3883.5	3865.0	3809.5	3794.7	3779.8	3802.0
5°	4002.0	3961.3	3931.7	3865.0	3809.5	3787.3	3716.9	3583.7	3494.7	3428.2	3391.2
7.5°	4009.4	3957.5	3902.0	3798.4	3665.1	3605.9	3391.2	3146.8	3080.1	3020.9	2983.8
10°	4002.0	3942.8	3865.0	3709.5	3394.8	3291.1	3076.4	2917.3	2876.5	2865.4	2876.5
12.5°	3976.0	3920.6	3813.1	3554.1	3113.5	3043.2	2917.3	2824.7	2817.3	2835.8	2935.7
15°	3931.7	3879.8	3753.9	3346.7	2958.0	2906.1	2817.3	2784.0	2824.7	2954.2	3254.1
17.5°	3887.2	3828.0	3672.5	3143.1	2839.5	2802.5	2739.5	2806.2	3035.7	3209.7	3309.7
20°	3828.0	3757.7	3579.9	2995.0	2754.4	2721.0	2691.4	2991.3	3165.3	3228.3	3283.8
22.5°	3757.7	3683.6	3454.0	2891.4	2665.5	2639.6	2658.1	3095.0	3165.3	3209.7	3257.9
25°	3665.1	3602.2	3306.0	2809.9	2595.2	2565.6	2635.9	3083.9	3124.6	3135.7	3231.9
27.5°	3579.9	3498.5	3150.5	2735.9	2510.0	2498.9	2654.4	3035.7	3065.4	3076.4	3180.1
30°	3476.3	3354.1	2976.5	2658.1	2421.2	2417.5	2658.1	2976.5	2969.1	2998.7	3102.4
32.5°	3368.9	3139.4	2780.2	2561.9	2336.0	2332.3	2632.2	2887.6	2880.3	2921.0	2998.7
35°	3269.0	2972.8	2513.8	2450.8	2228.7	2232.4	2569.2	2784.0	2787.7	2824.7	2872.8
37.5°	3165.3	2828.4	2221.2	2328.6	2125.0	2125.0	2484.1	2687.8	2680.3	2691.4	2758.1
40°	3043.2	2602.6	1962.1	2169.4	2028.7	2017.6	2380.5	2584.1	2558.1	2554.5	2647.0
42.5°	2913.5	2354.5	1769.6	1958.4	1917.7	1902.8	2254.6	2458.2	2410.1	2421.2	2539.6
45°	2772.9	2287.9	1621.5	1654.9	1802.9	1791.8	2117.6	2313.8	2280.5	2310.2	2432.3
47.5°	2632.2	2154.6	1573.4	1373.4	1680.7	1677.1	1965.8	2173.1	2154.6	2184.3	2313.8
50°	2439.7	2006.5	1569.7	1177.3	1543.8	1558.6	1784.4	2036.1	2036.1	2062.1	2199.0
52.5°	2191.6	1825.1	1425.3	1066.2	1384.6	1429.0	1625.3	1917.7	1925.1	1951.0	2073.2
55°	1965.8	1636.4	1321.6	981.1	1195.8	1292.0	1469.7	1795.5	1810.4	1836.2	1947.3
57.5°	1758.5	1362.3	1299.5	881.1	1021.8	1114.4	1332.7	1677.1	1684.5	1706.7	1814.0
60°	1536.3	984.7	1192.1	773.7	870.0	940.4	1206.9	1536.3	1562.3	1577.1	1669.6
62.5°	1284.6	714.5	1081.0	699.7	796.0	810.8	1103.2	1403.1	1436.4	1447.5	1503.1
65°	914.4	599.7	918.1	636.8	718.2	721.9	992.2	1266.1	1295.7	1314.2	1355.0
67.5°	618.2	488.7	699.7	577.5	658.9	662.7	884.8	1106.9	1147.6	1162.5	1188.4
70°	429.5	325.8	518.3	514.6	592.3	599.7	770.1	962.6	999.6	1010.7	1025.4
72.5°	314.7	262.8	429.5	462.8	522.0	529.4	651.6	799.7	836.7	847.8	855.2
75°	240.6	277.7	348.0	403.5	444.2	447.9	533.1	651.6	677.5	684.9	688.5
77.5°	192.5	259.2	255.4	325.8	362.8	355.4	418.3	503.5	525.7	525.7	525.7
80°	144.4	203.6	192.5	233.2	266.6	259.2	299.9	359.1	366.5	373.9	370.2
82.5°	107.3	129.5	129.5	148.0	177.7	170.3	199.9	233.2	233.2	233.2	240.6
85°	66.6	74.1	59.2	77.7	99.9	96.3	111.1	125.9	129.5	129.5	122.2
87.5°	40.7	33.3	18.5	29.6	44.5	44.5	51.8	55.6	51.8	51.8	51.8
90°	15.0	10.4	5.8	10.4	15.0	16.2	25.4	37.7	43.9	39.0	29.2
92.5°	101.6	62.3	23.1	62.3	101.6	111.4	156.6	217.0	247.1	216.6	155.5
95°	199.2	127.3	55.5	127.3	199.2	217.2	385.6	610.2	722.4	644.6	489.1
97.5°	222.7	159.2	95.8	159.2	222.7	238.5	519.4	893.8	1081.1	1032.0	933.6
100°	242.0	184.6	127.0	184.6	242.0	256.4	568.1	983.6	1191.4	1195.0	1202.2
102.5°	260.9	207.3	153.6	207.3	260.9	274.3	590.4	1011.9	1222.6	1285.2	1410.4
105°	289.4	244.1	198.7	244.1	289.4	300.8	606.9	1015.1	1219.2	1359.5	1640.3
107.5°	329.6	287.2	244.9	287.2	329.6	340.2	610.1	970.0	1149.8	1345.7	1737.4
110°	352.6	314.3	276.1	314.3	352.6	362.1	605.4	929.9	1092.1	1311.1	1748.9



TEST NUMBER: P934505

CATALOG NUMBER: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	379.5	343.1	306.6	343.1	379.5	388.6	605.6	894.9	1039.5	1263.6	1711.7
115°	420.1	386.5	352.9	386.5	420.1	428.5	611.2	854.8	976.6	1192.4	1624.1
117.5°	459.5	429.0	398.4	429.0	459.5	467.2	622.5	829.7	933.3	1128.1	1517.7
120°	482.5	453.8	425.1	453.8	482.5	489.7	631.8	821.3	916.0	1094.0	1449.9
122.5°	509.0	480.1	451.0	480.1	509.0	516.3	645.1	816.8	902.6	1062.9	1383.5
125°	543.8	517.3	490.9	517.3	543.8	550.4	663.0	813.1	888.2	1024.4	1296.7
127.5°	576.7	549.9	523.2	549.9	576.7	583.3	680.9	811.0	876.1	993.0	1226.8
130°	598.0	569.4	540.6	569.4	598.0	605.2	694.0	812.3	871.5	975.6	1183.8
132.5°	616.0	587.2	558.4	587.2	616.0	623.2	704.6	813.1	867.4	960.6	1147.0
135°	637.4	611.2	585.1	611.2	637.4	643.9	716.1	812.4	860.5	938.6	1094.6
137.5°	664.1	638.1	612.1	638.1	664.1	670.5	733.5	817.4	859.4	925.3	1057.3
140°	682.4	658.6	634.7	658.6	682.4	688.4	744.0	818.2	855.3	912.2	1026.3
142.5°	696.2	674.1	652.0	674.1	696.2	701.7	752.9	821.2	855.3	905.3	1005.5
145°	717.0	697.8	678.6	697.8	717.0	721.9	764.5	821.2	849.6	890.5	972.4
147.5°	742.6	723.8	705.2	723.8	742.6	747.3	781.4	826.9	849.6	881.8	946.2
150°	756.4	739.4	722.4	739.4	756.4	760.6	790.3	829.8	849.6	876.7	931.1
152.5°	766.1	753.2	740.4	753.2	766.1	769.2	796.0	831.7	849.6	872.8	919.2
155°	786.0	776.4	766.9	776.4	786.0	788.3	808.8	835.9	849.6	868.1	905.0
157.5°	805.0	795.9	786.6	795.9	805.0	807.3	821.5	840.2	849.6	864.0	892.6
160°	814.3	807.1	799.9	807.1	814.3	816.0	827.2	842.1	849.6	861.9	886.5
162.5°	824.0	818.6	813.1	818.6	824.0	825.3	833.4	844.1	849.6	859.9	880.7
165°	837.3	832.5	827.6	832.5	837.3	838.5	842.2	847.1	849.6	857.0	871.9
167.5°	845.5	843.1	840.9	843.1	845.5	846.0	849.1	853.2	855.3	860.1	869.9
170°	854.1	851.8	849.6	851.8	854.1	854.7	854.9	855.2	855.3	860.1	869.9
172.5°	855.2	854.6	854.1	854.6	855.2	855.3	855.3	855.3	855.3	859.1	866.8
175°	860.5	860.5	860.5	860.5	860.5	860.5	858.7	856.4	855.3	857.7	862.6
177.5°	860.5	860.5	860.5	860.5	860.5	860.5	859.2	857.4	856.5	858.4	862.3
180°	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5



TEST NUMBER: P934505
 CATALOG NUMBER: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3776.2	3765.0	3779.8	3739.1	3779.8	3765.0	3776.2	3802.0	3779.8	3794.7	3809.5
5°	3313.4	3294.9	3235.7	3187.6	3235.7	3294.9	3313.4	3391.2	3428.2	3494.7	3583.7
7.5°	2961.7	2946.9	2932.1	2902.4	2932.1	2946.9	2961.7	2983.8	3020.9	3080.1	3146.8
10°	2883.9	2887.6	2909.9	2906.1	2909.9	2887.6	2883.9	2876.5	2865.4	2876.5	2917.3
12.5°	3083.9	3117.1	3239.3	3231.9	3239.3	3117.1	3083.9	2935.7	2835.8	2817.3	2824.7
15°	3313.4	3324.5	3350.4	3354.1	3350.4	3324.5	3313.4	3254.1	2954.2	2824.7	2784.0
17.5°	3335.6	3339.3	3357.8	3357.8	3357.8	3339.3	3335.6	3309.7	3209.7	3035.7	2806.2
20°	3317.1	3324.5	3361.5	3368.9	3361.5	3324.5	3317.1	3283.8	3228.3	3165.3	2991.3
22.5°	3309.7	3324.5	3354.1	3350.4	3354.1	3324.5	3309.7	3257.9	3209.7	3165.3	3095.0
25°	3272.6	3272.6	3276.4	3280.0	3276.4	3272.6	3272.6	3231.9	3135.7	3124.6	3083.9
27.5°	3194.9	3202.3	3224.5	3220.8	3224.5	3202.3	3194.9	3180.1	3076.4	3065.4	3035.7
30°	3124.6	3117.1	3098.6	3083.9	3098.6	3117.1	3124.6	3102.4	2998.7	2969.1	2976.5
32.5°	3006.1	2987.6	2969.1	2958.0	2969.1	2987.6	3006.1	2998.7	2921.0	2880.3	2887.6
35°	2865.4	2869.2	2865.4	2854.3	2865.4	2869.2	2865.4	2872.8	2824.7	2787.7	2784.0
37.5°	2765.5	2772.9	2769.2	2754.4	2769.2	2772.9	2765.5	2758.1	2691.4	2680.3	2687.8
40°	2661.8	2665.5	2661.8	2650.7	2661.8	2665.5	2661.8	2647.0	2554.5	2558.1	2584.1
42.5°	2561.9	2558.1	2547.0	2539.6	2547.0	2558.1	2561.9	2539.6	2421.2	2410.1	2458.2
45°	2447.1	2450.8	2428.6	2417.5	2428.6	2450.8	2447.1	2432.3	2310.2	2280.5	2313.8
47.5°	2332.3	2332.3	2313.8	2302.7	2313.8	2332.3	2332.3	2313.8	2184.3	2154.6	2173.1
50°	2210.1	2206.5	2180.5	2176.9	2180.5	2206.5	2210.1	2199.0	2062.1	2036.1	2036.1
52.5°	2069.5	2069.5	2073.2	2080.6	2073.2	2069.5	2069.5	2073.2	1951.0	1925.1	1917.7
55°	1947.3	1951.0	1976.9	1984.3	1976.9	1951.0	1947.3	1947.3	1836.2	1810.4	1795.5
57.5°	1821.4	1821.4	1840.0	1840.0	1840.0	1821.4	1821.4	1814.0	1706.7	1684.5	1677.1
60°	1677.1	1684.5	1699.2	1695.6	1699.2	1684.5	1677.1	1669.6	1577.1	1562.3	1536.3
62.5°	1525.2	1532.7	1536.3	1529.0	1536.3	1532.7	1525.2	1503.1	1447.5	1436.4	1403.1
65°	1366.1	1373.4	1377.2	1369.8	1377.2	1373.4	1366.1	1355.0	1314.2	1295.7	1266.1
67.5°	1203.2	1199.4	1195.8	1210.6	1195.8	1199.4	1203.2	1188.4	1162.5	1147.6	1106.9
70°	1036.6	1036.6	1032.9	1040.3	1032.9	1036.6	1036.6	1025.4	1010.7	999.6	962.6
72.5°	858.9	855.2	870.0	858.9	870.0	855.2	858.9	855.2	847.8	836.7	799.7
75°	684.9	692.3	684.9	696.0	684.9	692.3	684.9	688.5	684.9	677.5	651.6
77.5°	522.0	529.4	522.0	522.0	522.0	529.4	522.0	525.7	525.7	525.7	503.5
80°	370.2	366.5	366.5	362.8	366.5	366.5	370.2	370.2	373.9	366.5	359.1
82.5°	237.0	233.2	233.2	240.6	233.2	233.2	237.0	240.6	233.2	233.2	233.2
85°	129.5	133.3	125.9	125.9	125.9	133.3	129.5	122.2	129.5	129.5	125.9
87.5°	48.1	44.5	44.5	44.5	44.5	44.5	48.1	51.8	51.8	51.8	55.6
90°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	29.2	39.0	43.9	37.7
92.5°	109.7	105.4	87.9	70.4	87.9	105.4	109.7	155.5	216.6	247.1	217.0
95°	372.5	359.2	306.4	253.5	306.4	359.2	372.5	489.1	644.6	722.4	610.2
97.5°	859.9	834.8	734.1	633.5	734.1	834.8	859.9	933.6	1032.0	1081.1	893.8
100°	1207.6	1177.6	1057.8	937.9	1057.8	1177.6	1207.6	1202.2	1195.0	1191.4	983.6
102.5°	1504.4	1478.7	1376.1	1273.4	1376.1	1478.7	1504.4	1410.4	1285.2	1222.6	1011.9
105°	1850.9	1837.1	1782.0	1726.8	1782.0	1837.1	1850.9	1640.3	1359.5	1219.2	1015.1
107.5°	2031.2	2034.5	2047.8	2061.2	2047.8	2034.5	2031.2	1737.4	1345.7	1149.8	970.0
110°	2077.3	2091.7	2149.1	2206.7	2149.1	2091.7	2077.3	1748.9	1311.1	1092.1	929.9



TEST NUMBER: P934505

CATALOG NUMBER: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2047.9	2069.9	2158.3	2246.6	2158.3	2069.9	2047.9	1711.7	1263.6	1039.5	894.9
115°	1948.0	1978.6	2101.0	2223.5	2101.0	1978.6	1948.0	1624.1	1192.4	976.6	854.8
117.5°	1809.9	1843.8	1979.6	2115.4	1979.6	1843.8	1809.9	1517.7	1128.1	933.3	829.7
120°	1717.0	1749.9	1881.9	2013.8	1881.9	1749.9	1717.0	1449.9	1094.0	916.0	821.3
122.5°	1623.9	1656.4	1786.6	1916.8	1786.6	1656.4	1623.9	1383.5	1062.9	902.6	816.8
125°	1500.9	1530.9	1650.8	1770.7	1650.8	1530.9	1500.9	1296.7	1024.4	888.2	813.1
127.5°	1402.2	1427.5	1528.6	1629.7	1528.6	1427.5	1402.2	1226.8	993.0	876.1	811.0
130°	1339.8	1363.2	1456.7	1550.1	1456.7	1363.2	1339.8	1183.8	975.6	871.5	812.3
132.5°	1286.7	1307.6	1391.3	1475.0	1391.3	1307.6	1286.7	1147.0	960.6	867.4	813.1
135°	1211.7	1229.7	1301.8	1373.9	1301.8	1229.7	1211.7	1094.6	938.6	860.5	812.4
137.5°	1156.2	1171.0	1230.0	1289.0	1230.0	1171.0	1156.2	1057.3	925.3	859.4	817.4
140°	1111.7	1125.6	1180.7	1235.9	1180.7	1125.6	1111.7	1026.3	912.2	855.3	818.2
142.5°	1080.5	1092.4	1139.9	1187.4	1139.9	1092.4	1080.5	1005.5	905.3	855.3	821.2
145°	1033.8	1042.7	1078.7	1114.6	1078.7	1042.7	1033.8	972.4	890.5	849.6	821.2
147.5°	994.5	1002.0	1031.7	1061.5	1031.7	1002.0	994.5	946.2	881.8	849.6	826.9
150°	971.9	978.0	1002.1	1026.3	1002.1	978.0	971.9	931.1	876.7	849.6	829.8
152.5°	954.1	958.7	976.9	995.1	976.9	958.7	954.1	919.2	872.8	849.6	831.7
155°	932.7	935.7	947.8	959.9	947.8	935.7	932.7	905.0	868.1	849.6	835.9
157.5°	914.2	916.3	924.8	933.3	924.8	916.3	914.2	892.6	864.0	849.6	840.2
160°	905.0	906.2	911.1	916.0	911.1	906.2	905.0	886.5	861.9	849.6	842.1
162.5°	896.3	897.4	902.1	906.7	902.1	897.4	896.3	880.7	859.9	849.6	844.1
165°	883.0	884.2	889.2	894.0	889.2	884.2	883.0	871.9	857.0	849.6	847.1
167.5°	877.2	877.8	879.8	881.9	879.8	877.8	877.2	869.9	860.1	855.3	853.2
170°	877.2	877.2	877.2	877.2	877.2	877.2	877.2	869.9	860.1	855.3	855.2
172.5°	872.6	872.2	870.4	868.6	870.4	872.2	872.6	866.8	859.1	855.3	855.3
175°	866.3	866.3	866.3	866.3	866.3	866.3	866.3	862.6	857.7	855.3	856.4
177.5°	865.2	864.6	862.5	860.5	862.5	864.6	865.2	862.3	858.4	856.5	857.4
180°	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5



TEST NUMBER: P934505
 CATALOG NUMBER: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3913.1	3913.1	3913.1	3913.1	3913.1
2.5°	3865.0	3883.5	3894.6	3909.4	3946.4
5°	3716.9	3787.3	3809.5	3865.0	3931.7
7.5°	3391.2	3605.9	3665.1	3798.4	3902.0
10°	3076.4	3291.1	3394.8	3709.5	3865.0
12.5°	2917.3	3043.2	3113.5	3554.1	3813.1
15°	2817.3	2906.1	2958.0	3346.7	3753.9
17.5°	2739.5	2802.5	2839.5	3143.1	3672.5
20°	2691.4	2721.0	2754.4	2995.0	3579.9
22.5°	2658.1	2639.6	2665.5	2891.4	3454.0
25°	2635.9	2565.6	2595.2	2809.9	3306.0
27.5°	2654.4	2498.9	2510.0	2735.9	3150.5
30°	2658.1	2417.5	2421.2	2658.1	2976.5
32.5°	2632.2	2332.3	2336.0	2561.9	2780.2
35°	2569.2	2232.4	2228.7	2450.8	2513.8
37.5°	2484.1	2125.0	2125.0	2328.6	2221.2
40°	2380.5	2017.6	2028.7	2169.4	1962.1
42.5°	2254.6	1902.8	1917.7	1958.4	1769.6
45°	2117.6	1791.8	1802.9	1654.9	1621.5
47.5°	1965.8	1677.1	1680.7	1373.4	1573.4
50°	1784.4	1558.6	1543.8	1177.3	1569.7
52.5°	1625.3	1429.0	1384.6	1066.2	1425.3
55°	1469.7	1292.0	1195.8	981.1	1321.6
57.5°	1332.7	1114.4	1021.8	881.1	1299.5
60°	1206.9	940.4	870.0	773.7	1192.1
62.5°	1103.2	810.8	796.0	699.7	1081.0
65°	992.2	721.9	718.2	636.8	918.1
67.5°	884.8	662.7	658.9	577.5	699.7
70°	770.1	599.7	592.3	514.6	518.3
72.5°	651.6	529.4	522.0	462.8	429.5
75°	533.1	447.9	444.2	403.5	348.0
77.5°	418.3	355.4	362.8	325.8	255.4
80°	299.9	259.2	266.6	233.2	192.5
82.5°	199.9	170.3	177.7	148.0	129.5
85°	111.1	96.3	99.9	77.7	59.2
87.5°	51.8	44.5	44.5	29.6	18.5
90°	25.4	16.2	15.0	10.4	5.8
92.5°	156.6	111.4	101.6	62.3	23.1
95°	385.6	217.2	199.2	127.3	55.5
97.5°	519.4	238.5	222.7	159.2	95.8
100°	568.1	256.4	242.0	184.6	127.0
102.5°	590.4	274.3	260.9	207.3	153.6
105°	606.9	300.8	289.4	244.1	198.7
107.5°	610.1	340.2	329.6	287.2	244.9
110°	605.4	362.1	352.6	314.3	276.1



TEST NUMBER: P934505
 CATALOG NUMBER: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	605.6	388.6	379.5	343.1	306.6
115°	611.2	428.5	420.1	386.5	352.9
117.5°	622.5	467.2	459.5	429.0	398.4
120°	631.8	489.7	482.5	453.8	425.1
122.5°	645.1	516.3	509.0	480.1	451.0
125°	663.0	550.4	543.8	517.3	490.9
127.5°	680.9	583.3	576.7	549.9	523.2
130°	694.0	605.2	598.0	569.4	540.6
132.5°	704.6	623.2	616.0	587.2	558.4
135°	716.1	643.9	637.4	611.2	585.1
137.5°	733.5	670.5	664.1	638.1	612.1
140°	744.0	688.4	682.4	658.6	634.7
142.5°	752.9	701.7	696.2	674.1	652.0
145°	764.5	721.9	717.0	697.8	678.6
147.5°	781.4	747.3	742.6	723.8	705.2
150°	790.3	760.6	756.4	739.4	722.4
152.5°	796.0	769.2	766.1	753.2	740.4
155°	808.8	788.3	786.0	776.4	766.9
157.5°	821.5	807.3	805.0	795.9	786.6
160°	827.2	816.0	814.3	807.1	799.9
162.5°	833.4	825.3	824.0	818.6	813.1
165°	842.2	838.5	837.3	832.5	827.6
167.5°	849.1	846.0	845.5	843.1	840.9
170°	854.9	854.7	854.1	851.8	849.6
172.5°	855.3	855.3	855.2	854.6	854.1
175°	858.7	860.5	860.5	860.5	860.5
177.5°	859.2	860.5	860.5	860.5	860.5
180°	860.5	860.5	860.5	860.5	860.5



TEST NUMBER: P934505
 CATALOG NUMBER: SQ4-FA-050U-100D-B50-1D-UNV-STD-W-12

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	14.72	15.73	15.54	16.57	17.62	17.57	18.58	18.39	19.42	20.47
	3H	15.21	16.11	16.04	16.97	18.04	18.93	19.84	19.77	20.69	21.77
	4H	15.40	16.26	16.26	17.12	18.21	19.39	20.24	20.24	21.10	22.19
	6H	15.53	16.32	16.39	17.19	18.29	19.69	20.47	20.55	21.34	22.44
	8H	15.54	16.29	16.41	17.17	18.27	19.77	20.52	20.64	21.41	22.50
	12H	15.51	16.23	16.39	17.11	18.23	19.81	20.53	20.69	21.41	22.54
4H	2H	15.77	16.63	16.63	17.49	18.57	18.00	18.85	18.85	19.71	20.80
	3H	16.81	17.53	17.68	18.42	19.52	19.52	20.23	20.39	21.13	22.23
	4H	17.10	17.75	17.98	18.64	19.76	20.06	20.71	20.94	21.60	22.73
	6H	17.23	17.79	18.13	18.70	19.84	20.44	21.00	21.33	21.91	23.04
	8H	17.24	17.76	18.14	18.67	19.82	20.55	21.08	21.45	21.99	23.13
	12H	17.21	17.68	18.13	18.61	19.76	20.62	21.09	21.54	22.02	23.17
8H	4H	17.57	18.09	18.46	19.00	20.14	20.20	20.72	21.09	21.63	22.77
	6H	17.83	18.27	18.76	19.22	20.36	20.64	21.08	21.57	22.03	23.17
	8H	17.88	18.26	18.81	19.20	20.36	20.80	21.18	21.74	22.13	23.29
	12H	17.87	18.21	18.81	19.14	20.35	20.91	21.25	21.85	22.18	23.39
12H	4H	17.58	18.05	18.50	18.98	20.13	20.17	20.64	21.09	21.57	22.72
	6H	17.90	18.28	18.83	19.22	20.38	20.64	21.03	21.58	21.97	23.13
	8H	17.97	18.31	18.91	19.24	20.45	20.81	21.15	21.75	22.09	23.30