

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: P934513

Luminaire Tested: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934513
REPORT IS A COMBINATION OF REPORTS P933701 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

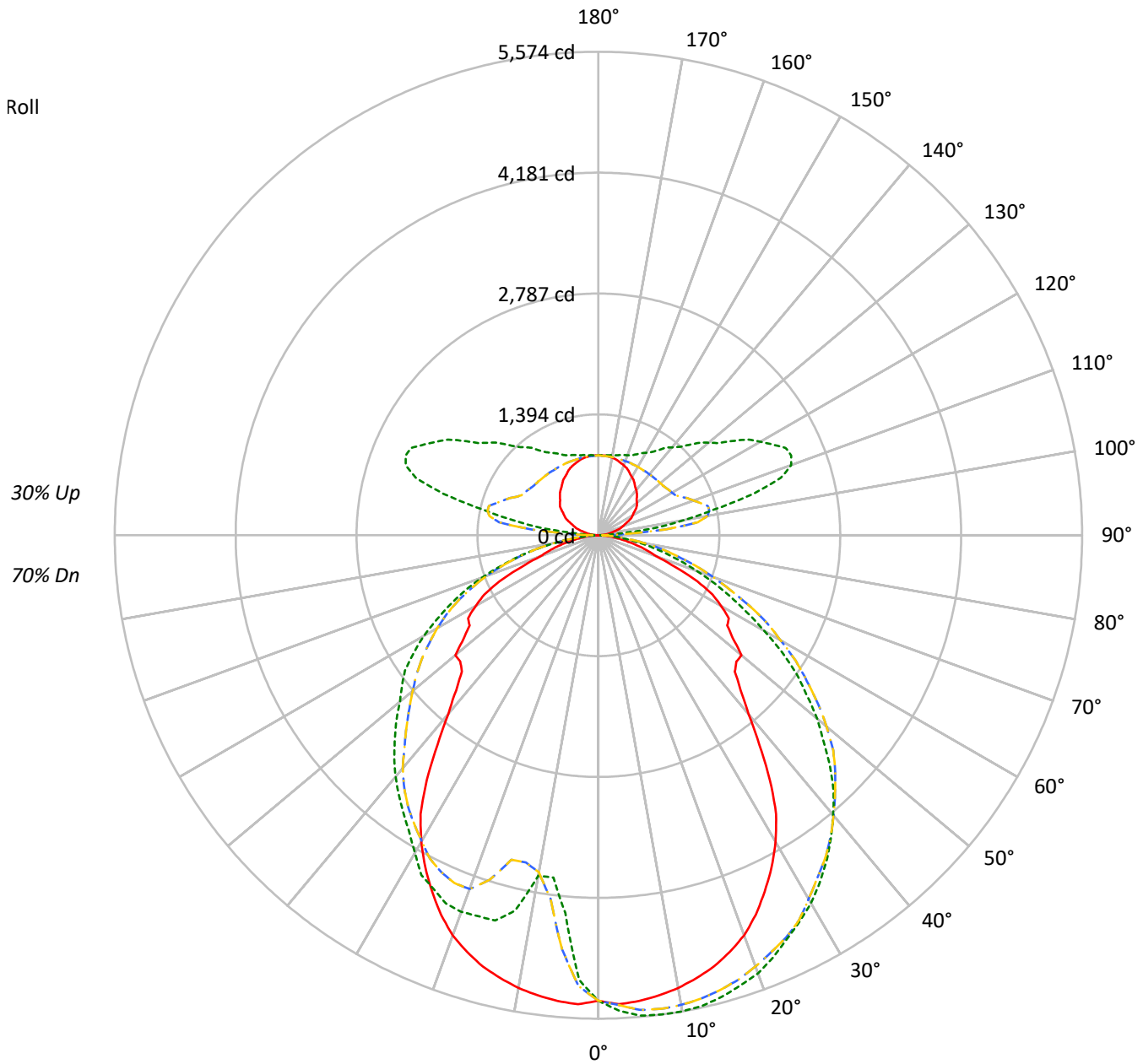
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19889.0 lumens
Efficiency: N/A
Efficacy: 118.4 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): 168
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: P934513
CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12

Luminous Intensity Polar Plot



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



TEST NUMBER: P934513

CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12

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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	30	26	31	27	24	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16597	16597	16597	16597
5°	16727	16754	16727	13174
10°	16622	16504	16622	11799
15°	16447	16146	16447	13482
20°	16110	15723	16110	13510
25°	15412	15105	15412	13224
30°	14508	14592	14508	12596
35°	12940	13943	12940	11905
40°	10788	13179	10788	11383
45°	9646	12285	9646	10783
50°	10256	11219	10256	10180
55°	9658	10070	9658	9832
60°	9969	8553	9969	9005
65°	9053	7070	9053	7903
70°	6283	5634	6283	6625
75°	5531	4165	5531	4987
80°	4490	2754	4490	2998
85°	2631	1459	2631	1240

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14775 cd/sqm



TEST NUMBER: P934513

CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.4	2.4
10°-20°	1375.3	6.9
20°-30°	2125.9	10.7
30°-40°	2537.9	12.8
40°-50°	2552.8	12.8
50°-60°	2221.2	11.2
60°-70°	1574.9	7.9
70°-80°	833.2	4.2
80°-90°	211.0	1.1
90°-100°	449.1	2.3
100°-110°	1180.7	5.9
110°-120°	1224.2	6.2
120°-130°	982.0	4.9
130°-140°	770.5	3.9
140°-150°	591.4	3.0
150°-160°	425.9	2.1
160°-170°	260.6	1.3
170°-180°	88.0	0.4
0°-30°	3985.6	20.0
0°-40°	6523.4	32.8
0°-60°	11297.4	56.8
0°-90°	13916.5	70.0
90°-120°	2854.0	14.3
90°-150°	5197.9	26.1
90°-180°	5972.0	30.0
0°-180°	19889.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5366	5366	5366	5366	5366	
5°	5391	5559	5391	4371	5391	511
15°	5148	5508	5148	4599	5148	1448
25°	4533	5138	4533	4498	4533	2082
35°	3447	4584	3447	3914	3447	2133
45°	2224	3777	2224	3315	2224	1781
55°	1812	2787	1812	2721	1812	1665
65°	1259	1680	1259	1878	1259	1203
75°	477	797	477	954	477	502
85°	81	203	81	173	81	110
90°	6	24	6	24	6	9
95°	59	271	59	271	59	66
105°	213	1849	213	1849	213	226
115°	378	2381	378	2381	378	373
125°	526	1896	526	1896	526	467
135°	626	1471	626	1471	626	485
145°	726	1193	726	1193	726	455
155°	821	1028	821	1028	821	377
165°	886	957	886	957	886	250
175°	921	928	921	928	921	87
180°	921	921	921	921	921	



TEST NUMBER: P934513

CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5411.7	5411.7	5442.1	5452.3	5452.3	5437.0	5421.8	5437.0	5482.7	5498.0	5492.9
5°	5391.3	5432.0	5487.8	5498.0	5508.1	5503.0	5492.9	5503.0	5553.8	5564.0	5569.0
7.5°	5350.7	5426.9	5498.0	5513.2	5528.4	5513.2	5508.1	5518.3	5569.0	5579.2	5579.2
10°	5300.0	5406.6	5487.8	5498.0	5513.2	5498.0	5498.0	5518.3	5569.0	5579.2	5584.3
12.5°	5228.9	5376.1	5452.3	5462.4	5482.7	5477.6	5472.6	5492.9	5543.6	5553.8	5553.8
15°	5147.7	5320.3	5391.3	5401.5	5437.0	5426.9	5426.9	5447.2	5503.0	5518.3	5513.2
17.5°	5036.0	5249.2	5330.4	5345.7	5371.0	5366.0	5371.0	5391.3	5442.1	5452.3	5457.3
20°	4909.1	5152.7	5249.2	5264.4	5289.8	5289.8	5289.8	5315.2	5366.0	5386.3	5386.3
22.5°	4736.5	5051.2	5152.7	5162.9	5193.4	5193.4	5203.5	5239.0	5284.7	5289.8	5289.8
25°	4533.4	4939.5	5025.8	5056.3	5086.8	5102.0	5117.2	5137.5	5152.7	5147.7	5152.7
27.5°	4320.2	4797.4	4909.1	4929.4	4970.0	4985.2	5005.5	5010.6	5015.7	5030.9	5020.8
30°	4081.6	4599.4	4766.9	4787.2	4853.2	4863.4	4843.1	4853.2	4878.6	4888.8	4898.9
32.5°	3812.5	4305.0	4619.7	4665.4	4726.3	4695.9	4690.8	4706.0	4746.6	4746.6	4756.8
35°	3447.0	4076.5	4482.6	4523.2	4568.9	4533.4	4553.7	4558.8	4584.2	4599.4	4594.3
37.5°	3046.0	3878.5	4340.5	4371.0	4406.5	4360.8	4391.3	4406.5	4426.8	4416.6	4416.6
40°	2690.6	3568.8	4173.0	4193.3	4223.7	4188.2	4218.7	4228.8	4239.0	4228.8	4223.7
42.5°	2426.6	3228.7	3995.3	4020.7	4000.4	4025.7	4035.9	4056.2	4041.0	4020.7	4020.7
45°	2223.5	3137.3	3802.4	3832.8	3802.4	3843.0	3858.2	3858.2	3812.5	3802.4	3797.3
47.5°	2157.6	2954.6	3609.5	3609.5	3594.2	3645.0	3670.4	3634.8	3589.2	3573.9	3573.9
50°	2152.5	2751.5	3345.5	3325.2	3396.2	3457.2	3431.8	3396.2	3360.7	3304.9	3304.9
52.5°	1954.5	2502.8	3005.3	3081.5	3193.2	3228.7	3188.1	3152.6	3091.6	3066.3	3046.0
55°	1812.3	2243.9	2695.7	2848.0	2964.7	3010.4	2934.3	2898.7	2807.4	2792.1	2782.0
57.5°	1781.9	1868.2	2411.4	2604.3	2746.4	2741.4	2695.7	2629.7	2553.5	2538.3	2533.2
60°	1634.7	1350.4	2106.8	2335.2	2482.5	2467.2	2426.6	2365.7	2294.6	2284.5	2274.3
62.5°	1482.4	979.8	1761.6	2020.5	2228.6	2223.5	2188.0	2096.6	2045.9	2020.5	2000.2
65°	1259.0	822.4	1253.9	1680.4	1979.9	1990.0	1913.9	1847.9	1792.0	1761.6	1756.5
67.5°	959.5	670.1	847.8	1401.1	1741.3	1731.1	1634.7	1604.2	1533.1	1517.9	1487.4
70°	710.7	446.7	588.9	1137.2	1507.7	1482.4	1406.2	1370.7	1304.7	1269.1	1248.8
72.5°	588.9	360.4	431.5	883.3	1269.1	1238.7	1172.7	1132.1	1076.2	1045.8	1025.5
75°	477.2	380.7	330.0	654.9	1030.5	1010.2	949.3	908.7	863.0	822.4	827.5
77.5°	350.3	355.4	264.0	482.3	817.3	786.9	751.3	700.6	680.3	639.7	639.7
80°	264.0	279.2	198.0	330.0	588.9	588.9	558.4	522.9	487.4	467.0	467.0
82.5°	177.7	177.7	147.2	208.1	401.1	385.8	365.5	355.4	335.1	324.9	324.9
85°	81.2	101.5	91.4	126.9	218.3	228.4	228.4	218.3	213.2	203.1	208.1
87.5°	25.4	45.7	55.8	71.1	111.7	116.8	121.8	121.8	121.8	126.9	126.9
90°	6.2	11.1	16.1	17.3	27.2	40.4	47.0	41.8	31.3	23.5	23.5
92.5°	24.7	66.7	108.8	119.3	167.7	232.3	264.6	231.9	166.5	117.5	112.8
95°	59.4	136.3	213.3	232.5	412.8	653.3	773.5	690.2	523.7	398.8	384.6
97.5°	102.6	170.5	238.4	255.4	556.1	957.0	1157.5	1104.9	999.6	920.7	893.8
100°	136.0	197.6	259.1	274.5	608.2	1053.1	1275.6	1279.4	1287.1	1292.9	1260.8
102.5°	164.5	221.9	279.3	293.7	632.1	1083.4	1309.0	1376.0	1510.1	1610.7	1583.2
105°	212.7	261.3	309.9	322.1	649.8	1086.8	1305.3	1455.6	1756.2	1981.7	1966.9
107.5°	262.2	307.5	352.9	364.2	653.2	1038.5	1231.1	1440.8	1860.2	2174.7	2178.3
110°	295.6	336.5	377.5	387.7	648.2	995.6	1169.3	1403.7	1872.5	2224.1	2239.5



TEST NUMBER: P934513

CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	328.3	367.3	406.3	416.1	648.4	958.1	1113.0	1352.9	1832.7	2192.6	2216.2
115°	377.8	413.8	449.8	458.8	654.4	915.2	1045.6	1276.7	1738.9	2085.6	2118.4
117.5°	426.6	459.3	492.0	500.2	666.5	888.3	999.2	1207.8	1624.9	1937.8	1974.1
120°	455.1	485.9	516.6	524.3	676.4	879.3	980.7	1171.3	1552.4	1838.3	1873.6
122.5°	482.9	514.0	545.0	552.8	690.7	874.5	966.4	1138.0	1481.3	1738.7	1773.5
125°	525.6	553.9	582.2	589.3	709.9	870.6	951.0	1096.8	1388.3	1607.0	1639.1
127.5°	560.2	588.8	617.4	624.5	729.0	868.3	938.0	1063.2	1313.5	1501.3	1528.4
130°	578.8	609.6	640.3	648.0	743.0	869.7	933.1	1044.5	1267.4	1434.5	1459.5
132.5°	597.9	628.7	659.5	667.2	754.4	870.6	928.7	1028.5	1228.0	1377.6	1400.0
135°	626.4	654.4	682.4	689.4	766.7	869.8	921.3	1004.9	1172.0	1297.3	1316.6
137.5°	655.4	683.2	711.0	717.9	785.3	875.2	920.1	990.7	1132.0	1237.9	1253.7
140°	679.5	705.1	730.6	737.0	796.6	876.0	915.7	976.7	1098.8	1190.3	1205.1
142.5°	698.1	721.7	745.4	751.3	806.1	879.2	915.7	969.3	1076.5	1156.9	1169.6
145°	726.5	747.1	767.7	772.9	818.5	879.2	909.6	953.4	1041.1	1106.8	1116.4
147.5°	755.0	775.0	795.1	800.1	836.6	885.3	909.6	944.1	1013.1	1064.8	1072.8
150°	773.5	791.6	809.8	814.3	846.1	888.4	909.6	938.7	996.9	1040.6	1047.1
152.5°	792.7	806.4	820.2	823.6	852.3	890.5	909.6	934.5	984.2	1021.5	1026.4
155°	821.1	831.3	841.5	844.0	865.9	895.0	909.6	929.4	968.9	998.6	1001.8
157.5°	842.2	852.1	861.9	864.4	879.5	899.6	909.6	925.0	955.7	978.8	981.1
160°	856.4	864.1	871.8	873.7	885.7	901.6	909.6	922.8	949.1	968.9	970.2
162.5°	870.6	876.4	882.2	883.6	892.3	903.8	909.6	920.7	942.9	959.6	960.8
165°	886.1	891.3	896.5	897.8	901.7	907.0	909.6	917.6	933.5	945.4	946.7
167.5°	900.3	902.7	905.2	905.8	909.1	913.5	915.7	920.9	931.4	939.2	939.8
170°	909.6	912.0	914.5	915.1	915.3	915.6	915.7	920.9	931.4	939.2	939.2
172.5°	914.5	915.0	915.6	915.7	915.7	915.7	915.7	919.8	928.1	934.3	933.8
175°	921.3	921.3	921.3	921.3	919.4	916.9	915.7	918.3	923.6	927.5	927.5
177.5°	921.3	921.3	921.3	921.3	919.9	918.0	917.0	919.1	923.2	926.3	925.7
180°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3



TEST NUMBER: P934513

CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5503.0	5487.8	5503.0	5492.9	5498.0	5482.7	5437.0	5421.8	5437.0	5452.3	5452.3
5°	5569.0	5558.9	5569.0	5569.0	5564.0	5553.8	5503.0	5492.9	5503.0	5508.1	5498.0
7.5°	5589.3	5574.1	5589.3	5579.2	5579.2	5569.0	5518.3	5508.1	5513.2	5528.4	5513.2
10°	5589.3	5574.1	5589.3	5584.3	5579.2	5569.0	5518.3	5498.0	5498.0	5513.2	5498.0
12.5°	5564.0	5553.8	5564.0	5553.8	5553.8	5543.6	5492.9	5472.6	5477.6	5482.7	5462.4
15°	5523.3	5508.1	5523.3	5513.2	5518.3	5503.0	5447.2	5426.9	5426.9	5437.0	5401.5
17.5°	5462.4	5442.1	5462.4	5457.3	5452.3	5442.1	5391.3	5371.0	5366.0	5371.0	5345.7
20°	5391.3	5376.1	5391.3	5386.3	5386.3	5366.0	5315.2	5289.8	5289.8	5289.8	5264.4
22.5°	5279.7	5264.4	5279.7	5289.8	5289.8	5284.7	5239.0	5203.5	5193.4	5193.4	5162.9
25°	5152.7	5137.5	5152.7	5152.7	5147.7	5152.7	5137.5	5117.2	5102.0	5086.8	5056.3
27.5°	5030.9	5020.8	5030.9	5020.8	5030.9	5015.7	5010.6	5005.5	4985.2	4970.0	4929.4
30°	4909.1	4898.9	4909.1	4898.9	4888.8	4878.6	4853.2	4843.1	4863.4	4853.2	4787.2
32.5°	4756.8	4746.6	4756.8	4756.8	4746.6	4746.6	4706.0	4690.8	4695.9	4726.3	4665.4
35°	4599.4	4584.2	4599.4	4594.3	4599.4	4584.2	4558.8	4553.7	4533.4	4568.9	4523.2
37.5°	4416.6	4401.4	4416.6	4416.6	4416.6	4426.8	4406.5	4391.3	4360.8	4406.5	4371.0
40°	4228.8	4208.5	4228.8	4223.7	4228.8	4239.0	4228.8	4218.7	4188.2	4223.7	4193.3
42.5°	4015.6	4010.5	4015.6	4020.7	4020.7	4041.0	4056.2	4035.9	4025.7	4000.4	4020.7
45°	3787.1	3777.0	3787.1	3797.3	3802.4	3812.5	3858.2	3858.2	3843.0	3802.4	3832.8
47.5°	3543.5	3518.1	3543.5	3573.9	3573.9	3589.2	3634.8	3670.4	3645.0	3594.2	3609.5
50°	3284.6	3289.6	3284.6	3304.9	3304.9	3360.7	3396.2	3431.8	3457.2	3396.2	3325.2
52.5°	3030.7	3025.7	3030.7	3046.0	3066.3	3091.6	3152.6	3188.1	3228.7	3193.2	3081.5
55°	2776.9	2787.1	2776.9	2782.0	2792.1	2807.4	2898.7	2934.3	3010.4	2964.7	2848.0
57.5°	2523.1	2507.8	2523.1	2533.2	2538.3	2553.5	2629.7	2695.7	2741.4	2746.4	2604.3
60°	2228.6	2208.3	2228.6	2274.3	2284.5	2294.6	2365.7	2426.6	2467.2	2482.5	2335.2
62.5°	1969.7	1934.2	1969.7	2000.2	2020.5	2045.9	2096.6	2188.0	2223.5	2228.6	2020.5
65°	1695.6	1680.4	1695.6	1756.5	1761.6	1792.0	1847.9	1913.9	1990.0	1979.9	1680.4
67.5°	1446.8	1446.8	1446.8	1487.4	1517.9	1533.1	1604.2	1634.7	1731.1	1741.3	1401.1
70°	1218.4	1213.3	1218.4	1248.8	1269.1	1304.7	1370.7	1406.2	1482.4	1507.7	1137.2
72.5°	1000.1	995.0	1000.1	1025.5	1045.8	1076.2	1132.1	1172.7	1238.7	1269.1	883.3
75°	807.2	797.0	807.2	827.5	822.4	863.0	908.7	949.3	1010.2	1030.5	654.9
77.5°	619.3	619.3	619.3	639.7	639.7	680.3	700.6	751.3	786.9	817.3	482.3
80°	462.0	456.9	462.0	467.0	467.0	487.4	522.9	558.4	588.9	588.9	330.0
82.5°	324.9	314.7	324.9	324.9	324.9	335.1	355.4	365.5	385.8	401.1	208.1
85°	203.1	203.1	203.1	208.1	203.1	213.2	218.3	228.4	228.4	218.3	126.9
87.5°	132.0	126.9	132.0	126.9	126.9	121.8	121.8	121.8	116.8	111.7	71.1
90°	23.5	23.5	23.5	23.5	23.5	31.3	41.8	47.0	40.4	27.2	17.3
92.5°	94.1	75.4	94.1	112.8	117.5	166.5	231.9	264.6	232.3	167.7	119.3
95°	328.0	271.4	328.0	384.6	398.8	523.7	690.2	773.5	653.3	412.8	232.5
97.5°	786.0	678.3	786.0	893.8	920.7	999.6	1104.9	1157.5	957.0	556.1	255.4
100°	1132.5	1004.2	1132.5	1260.8	1292.9	1287.1	1279.4	1275.6	1053.1	608.2	274.5
102.5°	1473.3	1363.4	1473.3	1583.2	1610.7	1510.1	1376.0	1309.0	1083.4	632.1	293.7
105°	1907.9	1848.8	1907.9	1966.9	1981.7	1756.2	1455.6	1305.3	1086.8	649.8	322.1
107.5°	2192.5	2206.8	2192.5	2178.3	2174.7	1860.2	1440.8	1231.1	1038.5	653.2	364.2
110°	2301.0	2362.6	2301.0	2239.5	2224.1	1872.5	1403.7	1169.3	995.6	648.2	387.7



TEST NUMBER: P934513

CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2310.8	2405.3	2310.8	2216.2	2192.6	1832.7	1352.9	1113.0	958.1	648.4	416.1
115°	2249.5	2380.6	2249.5	2118.4	2085.6	1738.9	1276.7	1045.6	915.2	654.4	458.8
117.5°	2119.5	2264.9	2119.5	1974.1	1937.8	1624.9	1207.8	999.2	888.3	666.5	500.2
120°	2014.9	2156.1	2014.9	1873.6	1838.3	1552.4	1171.3	980.7	879.3	676.4	524.3
122.5°	1912.9	2052.2	1912.9	1773.5	1738.7	1481.3	1138.0	966.4	874.5	690.7	552.8
125°	1767.4	1895.8	1767.4	1639.1	1607.0	1388.3	1096.8	951.0	870.6	709.9	589.3
127.5°	1636.6	1744.9	1636.6	1528.4	1501.3	1313.5	1063.2	938.0	868.3	729.0	624.5
130°	1559.6	1659.6	1559.6	1459.5	1434.5	1267.4	1044.5	933.1	869.7	743.0	648.0
132.5°	1489.6	1579.2	1489.6	1400.0	1377.6	1228.0	1028.5	928.7	870.6	754.4	667.2
135°	1393.8	1471.0	1393.8	1316.6	1297.3	1172.0	1004.9	921.3	869.8	766.7	689.4
137.5°	1316.9	1380.1	1316.9	1253.7	1237.9	1132.0	990.7	920.1	875.2	785.3	717.9
140°	1264.1	1323.2	1264.1	1205.1	1190.3	1098.8	976.7	915.7	876.0	796.6	737.0
142.5°	1220.5	1271.3	1220.5	1169.6	1156.9	1076.5	969.3	915.7	879.2	806.1	751.3
145°	1154.9	1193.4	1154.9	1116.4	1106.8	1041.1	953.4	909.6	879.2	818.5	772.9
147.5°	1104.6	1136.5	1104.6	1072.8	1064.8	1013.1	944.1	909.6	885.3	836.6	800.1
150°	1072.9	1098.8	1072.9	1047.1	1040.6	996.9	938.7	909.6	888.4	846.1	814.3
152.5°	1045.9	1065.4	1045.9	1026.4	1021.5	984.2	934.5	909.6	890.5	852.3	823.6
155°	1014.8	1027.7	1014.8	1001.8	998.6	968.9	929.4	909.6	895.0	865.9	844.0
157.5°	990.1	999.2	990.1	981.1	978.8	955.7	925.0	909.6	899.6	879.5	864.4
160°	975.5	980.7	975.5	970.2	968.9	949.1	922.8	909.6	901.6	885.7	873.7
162.5°	965.8	970.8	965.8	960.8	959.6	942.9	920.7	909.6	903.8	892.3	883.6
165°	952.0	957.2	952.0	946.7	945.4	933.5	917.6	909.6	907.0	901.7	897.8
167.5°	942.0	944.2	942.0	939.8	939.2	931.4	920.9	915.7	913.5	909.1	905.8
170°	939.2	939.2	939.2	939.2	939.2	931.4	920.9	915.7	915.6	915.3	915.1
172.5°	931.9	930.0	931.9	933.8	934.3	928.1	919.8	915.7	915.7	915.7	915.7
175°	927.5	927.5	927.5	927.5	927.5	923.6	918.3	915.7	916.9	919.4	921.3
177.5°	923.5	921.3	923.5	925.7	926.3	923.2	919.1	917.0	918.0	919.9	921.3
180°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3



TEST NUMBER: P934513

CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5442.1	5411.7	5411.7	5360.9	5340.6	5325.4	5300.0	5223.8	5203.5	5183.2	5213.7
5°	5487.8	5432.0	5391.3	5300.0	5223.8	5193.4	5096.9	4914.1	4792.3	4700.9	4650.2
7.5°	5498.0	5426.9	5350.7	5208.6	5025.8	4944.6	4650.2	4315.1	4223.7	4142.5	4091.7
10°	5487.8	5406.6	5300.0	5086.8	4655.2	4513.1	4218.7	4000.4	3944.5	3929.3	3944.5
12.5°	5452.3	5376.1	5228.9	4873.5	4269.4	4173.0	4000.4	3873.4	3863.3	3888.7	4025.7
15°	5391.3	5320.3	5147.7	4589.2	4056.2	3985.1	3863.3	3817.6	3873.4	4051.1	4462.3
17.5°	5330.4	5249.2	5036.0	4310.0	3893.8	3843.0	3756.7	3848.1	4162.8	4401.4	4538.5
20°	5249.2	5152.7	4909.1	4107.0	3777.0	3731.3	3690.7	4101.9	4340.5	4426.8	4502.9
22.5°	5152.7	5051.2	4736.5	3964.8	3655.2	3619.6	3645.0	4244.0	4340.5	4401.4	4467.4
25°	5025.8	4939.5	4533.4	3853.1	3558.7	3518.1	3614.5	4228.8	4284.6	4299.9	4431.9
27.5°	4909.1	4797.4	4320.2	3751.6	3441.9	3426.7	3639.9	4162.8	4203.4	4218.7	4360.8
30°	4766.9	4599.4	4081.6	3645.0	3320.1	3315.0	3645.0	4081.6	4071.4	4112.0	4254.2
32.5°	4619.7	4305.0	3812.5	3513.0	3203.3	3198.3	3609.5	3959.7	3949.6	4005.4	4112.0
35°	4482.6	4076.5	3447.0	3360.7	3056.1	3061.2	3523.2	3817.6	3822.7	3873.4	3939.4
37.5°	4340.5	3878.5	3046.0	3193.2	2914.0	2914.0	3406.4	3685.6	3675.5	3690.7	3782.1
40°	4173.0	3568.8	2690.6	2974.9	2782.0	2766.7	3264.3	3543.5	3507.9	3502.9	3629.8
42.5°	3995.3	3228.7	2426.6	2685.5	2629.7	2609.4	3091.6	3370.9	3304.9	3320.1	3482.5
45°	3802.4	3137.3	2223.5	2269.2	2472.3	2457.1	2903.8	3172.9	3127.2	3167.8	3335.3
47.5°	3609.5	2954.6	2157.6	1883.4	2304.8	2299.7	2695.7	2980.0	2954.6	2995.2	3172.9
50°	3345.5	2751.5	2152.5	1614.4	2116.9	2137.2	2446.9	2792.1	2792.1	2827.7	3015.5
52.5°	3005.3	2502.8	1954.5	1462.1	1898.6	1959.6	2228.6	2629.7	2639.8	2675.4	2842.9
55°	2695.7	2243.9	1812.3	1345.3	1639.7	1771.7	2015.4	2462.1	2482.5	2518.0	2670.3
57.5°	2411.4	1868.2	1781.9	1208.2	1401.1	1528.1	1827.6	2299.7	2309.9	2340.3	2487.5
60°	2106.8	1350.4	1634.7	1061.0	1193.0	1289.5	1655.0	2106.8	2142.3	2162.6	2289.5
62.5°	1761.6	979.8	1482.4	959.5	1091.5	1111.8	1512.8	1924.0	1969.7	1984.9	2061.1
65°	1253.9	822.4	1259.0	873.2	984.9	989.9	1360.5	1736.2	1776.8	1802.2	1858.0
67.5°	847.8	670.1	959.5	791.9	903.6	908.7	1213.3	1517.9	1573.7	1594.1	1629.6
70°	588.9	446.7	710.7	705.6	812.3	822.4	1055.9	1319.9	1370.7	1385.9	1406.2
72.5°	431.5	360.4	588.9	634.6	715.8	726.0	893.5	1096.5	1147.3	1162.5	1172.7
75°	330.0	380.7	477.2	553.3	609.2	614.3	731.0	893.5	929.0	939.2	944.2
77.5°	264.0	355.4	350.3	446.7	497.5	487.4	573.7	690.4	720.9	720.9	720.9
80°	198.0	279.2	264.0	319.8	365.5	355.4	411.2	492.4	502.6	512.7	507.7
82.5°	147.2	177.7	177.7	203.1	243.7	233.5	274.1	319.8	319.8	319.8	330.0
85°	91.4	101.5	81.2	106.6	137.1	132.0	152.3	172.6	177.7	177.7	167.5
87.5°	55.8	45.7	25.4	40.6	60.9	60.9	71.1	76.1	71.1	71.1	71.1
90°	16.1	11.1	6.2	11.1	16.1	17.3	27.2	40.4	47.0	41.8	31.3
92.5°	108.8	66.7	24.7	66.7	108.8	119.3	167.7	232.3	264.6	231.9	166.5
95°	213.3	136.3	59.4	136.3	213.3	232.5	412.8	653.3	773.5	690.2	523.7
97.5°	238.4	170.5	102.6	170.5	238.4	255.4	556.1	957.0	1157.5	1104.9	999.6
100°	259.1	197.6	136.0	197.6	259.1	274.5	608.2	1053.1	1275.6	1279.4	1287.1
102.5°	279.3	221.9	164.5	221.9	279.3	293.7	632.1	1083.4	1309.0	1376.0	1510.1
105°	309.9	261.3	212.7	261.3	309.9	322.1	649.8	1086.8	1305.3	1455.6	1756.2
107.5°	352.9	307.5	262.2	307.5	352.9	364.2	653.2	1038.5	1231.1	1440.8	1860.2
110°	377.5	336.5	295.6	336.5	377.5	387.7	648.2	995.6	1169.3	1403.7	1872.5



TEST NUMBER: P934513

CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	406.3	367.3	328.3	367.3	406.3	416.1	648.4	958.1	1113.0	1352.9	1832.7
115°	449.8	413.8	377.8	413.8	449.8	458.8	654.4	915.2	1045.6	1276.7	1738.9
117.5°	492.0	459.3	426.6	459.3	492.0	500.2	666.5	888.3	999.2	1207.8	1624.9
120°	516.6	485.9	455.1	485.9	516.6	524.3	676.4	879.3	980.7	1171.3	1552.4
122.5°	545.0	514.0	482.9	514.0	545.0	552.8	690.7	874.5	966.4	1138.0	1481.3
125°	582.2	553.9	525.6	553.9	582.2	589.3	709.9	870.6	951.0	1096.8	1388.3
127.5°	617.4	588.8	560.2	588.8	617.4	624.5	729.0	868.3	938.0	1063.2	1313.5
130°	640.3	609.6	578.8	609.6	640.3	648.0	743.0	869.7	933.1	1044.5	1267.4
132.5°	659.5	628.7	597.9	628.7	659.5	667.2	754.4	870.6	928.7	1028.5	1228.0
135°	682.4	654.4	626.4	654.4	682.4	689.4	766.7	869.8	921.3	1004.9	1172.0
137.5°	711.0	683.2	655.4	683.2	711.0	717.9	785.3	875.2	920.1	990.7	1132.0
140°	730.6	705.1	679.5	705.1	730.6	737.0	796.6	876.0	915.7	976.7	1098.8
142.5°	745.4	721.7	698.1	721.7	745.4	751.3	806.1	879.2	915.7	969.3	1076.5
145°	767.7	747.1	726.5	747.1	767.7	772.9	818.5	879.2	909.6	953.4	1041.1
147.5°	795.1	775.0	755.0	775.0	795.1	800.1	836.6	885.3	909.6	944.1	1013.1
150°	809.8	791.6	773.5	791.6	809.8	814.3	846.1	888.4	909.6	938.7	996.9
152.5°	820.2	806.4	792.7	806.4	820.2	823.6	852.3	890.5	909.6	934.5	984.2
155°	841.5	831.3	821.1	831.3	841.5	844.0	865.9	895.0	909.6	929.4	968.9
157.5°	861.9	852.1	842.2	852.1	861.9	864.4	879.5	899.6	909.6	925.0	955.7
160°	871.8	864.1	856.4	864.1	871.8	873.7	885.7	901.6	909.6	922.8	949.1
162.5°	882.2	876.4	870.6	876.4	882.2	883.6	892.3	903.8	909.6	920.7	942.9
165°	896.5	891.3	886.1	891.3	896.5	897.8	901.7	907.0	909.6	917.6	933.5
167.5°	905.2	902.7	900.3	902.7	905.2	905.8	909.1	913.5	915.7	920.9	931.4
170°	914.5	912.0	909.6	912.0	914.5	915.1	915.3	915.6	915.7	920.9	931.4
172.5°	915.6	915.0	914.5	915.0	915.6	915.7	915.7	915.7	915.7	919.8	928.1
175°	921.3	921.3	921.3	921.3	921.3	921.3	919.4	916.9	915.7	918.3	923.6
177.5°	921.3	921.3	921.3	921.3	921.3	921.3	919.9	918.0	917.0	919.1	923.2
180°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3



TEST NUMBER: P934513

CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5178.1	5162.9	5183.2	5127.4	5183.2	5162.9	5178.1	5213.7	5183.2	5203.5	5223.8
5°	4543.6	4518.2	4436.9	4371.0	4436.9	4518.2	4543.6	4650.2	4700.9	4792.3	4914.1
7.5°	4061.3	4041.0	4020.7	3980.1	4020.7	4041.0	4061.3	4091.7	4142.5	4223.7	4315.1
10°	3954.7	3959.7	3990.2	3985.1	3990.2	3959.7	3954.7	3944.5	3929.3	3944.5	4000.4
12.5°	4228.8	4274.5	4442.0	4431.9	4442.0	4274.5	4228.8	4025.7	3888.7	3863.3	3873.4
15°	4543.6	4558.8	4594.3	4599.4	4594.3	4558.8	4543.6	4462.3	4051.1	3873.4	3817.6
17.5°	4574.0	4579.1	4604.5	4604.5	4604.5	4579.1	4574.0	4538.5	4401.4	4162.8	3848.1
20°	4548.6	4558.8	4609.6	4619.7	4609.6	4558.8	4548.6	4502.9	4426.8	4340.5	4101.9
22.5°	4538.5	4558.8	4599.4	4594.3	4599.4	4558.8	4538.5	4467.4	4401.4	4340.5	4244.0
25°	4487.7	4487.7	4492.8	4497.9	4492.8	4487.7	4487.7	4431.9	4299.9	4284.6	4228.8
27.5°	4381.1	4391.3	4421.7	4416.6	4421.7	4391.3	4381.1	4360.8	4218.7	4203.4	4162.8
30°	4284.6	4274.5	4249.1	4228.8	4249.1	4274.5	4284.6	4254.2	4112.0	4071.4	4081.6
32.5°	4122.2	4096.8	4071.4	4056.2	4071.4	4096.8	4122.2	4112.0	4005.4	3949.6	3959.7
35°	3929.3	3934.4	3929.3	3914.1	3929.3	3934.4	3929.3	3939.4	3873.4	3822.7	3817.6
37.5°	3792.2	3802.4	3797.3	3777.0	3797.3	3802.4	3792.2	3782.1	3690.7	3675.5	3685.6
40°	3650.1	3655.2	3650.1	3634.8	3650.1	3655.2	3650.1	3629.8	3502.9	3507.9	3543.5
42.5°	3513.0	3507.9	3492.7	3482.5	3492.7	3507.9	3513.0	3482.5	3320.1	3304.9	3370.9
45°	3355.6	3360.7	3330.2	3315.0	3330.2	3360.7	3355.6	3335.3	3167.8	3127.2	3172.9
47.5°	3198.3	3198.3	3172.9	3157.6	3172.9	3198.3	3198.3	3172.9	2995.2	2954.6	2980.0
50°	3030.7	3025.7	2990.1	2985.0	2990.1	3025.7	3030.7	3015.5	2827.7	2792.1	2792.1
52.5°	2837.8	2837.8	2842.9	2853.0	2842.9	2837.8	2837.8	2842.9	2675.4	2639.8	2629.7
55°	2670.3	2675.4	2710.9	2721.1	2710.9	2675.4	2670.3	2670.3	2518.0	2482.5	2462.1
57.5°	2497.7	2497.7	2523.1	2523.1	2523.1	2497.7	2497.7	2487.5	2340.3	2309.9	2299.7
60°	2299.7	2309.9	2330.2	2325.1	2330.2	2309.9	2299.7	2289.5	2162.6	2142.3	2106.8
62.5°	2091.6	2101.7	2106.8	2096.6	2106.8	2101.7	2091.6	2061.1	1984.9	1969.7	1924.0
65°	1873.3	1883.4	1888.5	1878.3	1888.5	1883.4	1873.3	1858.0	1802.2	1776.8	1736.2
67.5°	1649.9	1644.8	1639.7	1660.0	1639.7	1644.8	1649.9	1629.6	1594.1	1573.7	1517.9
70°	1421.4	1421.4	1416.4	1426.5	1416.4	1421.4	1421.4	1406.2	1385.9	1370.7	1319.9
72.5°	1177.8	1172.7	1193.0	1177.8	1193.0	1172.7	1177.8	1172.7	1162.5	1147.3	1096.5
75°	939.2	949.3	939.2	954.4	939.2	949.3	939.2	944.2	939.2	929.0	893.5
77.5°	715.8	726.0	715.8	715.8	715.8	726.0	715.8	720.9	720.9	720.9	690.4
80°	507.7	502.6	502.6	497.5	502.6	502.6	507.7	507.7	512.7	502.6	492.4
82.5°	324.9	319.8	319.8	330.0	319.8	319.8	324.9	330.0	319.8	319.8	319.8
85°	177.7	182.8	172.6	172.6	172.6	182.8	177.7	167.5	177.7	177.7	172.6
87.5°	66.0	60.9	60.9	60.9	60.9	60.9	66.0	71.1	71.1	71.1	76.1
90°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	31.3	41.8	47.0	40.4
92.5°	117.5	112.8	94.1	75.4	94.1	112.8	117.5	166.5	231.9	264.6	232.3
95°	398.8	384.6	328.0	271.4	328.0	384.6	398.8	523.7	690.2	773.5	653.3
97.5°	920.7	893.8	786.0	678.3	786.0	893.8	920.7	999.6	1104.9	1157.5	957.0
100°	1292.9	1260.8	1132.5	1004.2	1132.5	1260.8	1292.9	1287.1	1279.4	1275.6	1053.1
102.5°	1610.7	1583.2	1473.3	1363.4	1473.3	1583.2	1610.7	1510.1	1376.0	1309.0	1083.4
105°	1981.7	1966.9	1907.9	1848.8	1907.9	1966.9	1981.7	1756.2	1455.6	1305.3	1086.8
107.5°	2174.7	2178.3	2192.5	2206.8	2192.5	2178.3	2174.7	1860.2	1440.8	1231.1	1038.5
110°	2224.1	2239.5	2301.0	2362.6	2301.0	2239.5	2224.1	1872.5	1403.7	1169.3	995.6



TEST NUMBER: P934513

CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2192.6	2216.2	2310.8	2405.3	2310.8	2216.2	2192.6	1832.7	1352.9	1113.0	958.1
115°	2085.6	2118.4	2249.5	2380.6	2249.5	2118.4	2085.6	1738.9	1276.7	1045.6	915.2
117.5°	1937.8	1974.1	2119.5	2264.9	2119.5	1974.1	1937.8	1624.9	1207.8	999.2	888.3
120°	1838.3	1873.6	2014.9	2156.1	2014.9	1873.6	1838.3	1552.4	1171.3	980.7	879.3
122.5°	1738.7	1773.5	1912.9	2052.2	1912.9	1773.5	1738.7	1481.3	1138.0	966.4	874.5
125°	1607.0	1639.1	1767.4	1895.8	1767.4	1639.1	1607.0	1388.3	1096.8	951.0	870.6
127.5°	1501.3	1528.4	1636.6	1744.9	1636.6	1528.4	1501.3	1313.5	1063.2	938.0	868.3
130°	1434.5	1459.5	1559.6	1659.6	1559.6	1459.5	1434.5	1267.4	1044.5	933.1	869.7
132.5°	1377.6	1400.0	1489.6	1579.2	1489.6	1400.0	1377.6	1228.0	1028.5	928.7	870.6
135°	1297.3	1316.6	1393.8	1471.0	1393.8	1316.6	1297.3	1172.0	1004.9	921.3	869.8
137.5°	1237.9	1253.7	1316.9	1380.1	1316.9	1253.7	1237.9	1132.0	990.7	920.1	875.2
140°	1190.3	1205.1	1264.1	1323.2	1264.1	1205.1	1190.3	1098.8	976.7	915.7	876.0
142.5°	1156.9	1169.6	1220.5	1271.3	1220.5	1169.6	1156.9	1076.5	969.3	915.7	879.2
145°	1106.8	1116.4	1154.9	1193.4	1154.9	1116.4	1106.8	1041.1	953.4	909.6	879.2
147.5°	1064.8	1072.8	1104.6	1136.5	1104.6	1072.8	1064.8	1013.1	944.1	909.6	885.3
150°	1040.6	1047.1	1072.9	1098.8	1072.9	1047.1	1040.6	996.9	938.7	909.6	888.4
152.5°	1021.5	1026.4	1045.9	1065.4	1045.9	1026.4	1021.5	984.2	934.5	909.6	890.5
155°	998.6	1001.8	1014.8	1027.7	1014.8	1001.8	998.6	968.9	929.4	909.6	895.0
157.5°	978.8	981.1	990.1	999.2	990.1	981.1	978.8	955.7	925.0	909.6	899.6
160°	968.9	970.2	975.5	980.7	975.5	970.2	968.9	949.1	922.8	909.6	901.6
162.5°	959.6	960.8	965.8	970.8	965.8	960.8	959.6	942.9	920.7	909.6	903.8
165°	945.4	946.7	952.0	957.2	952.0	946.7	945.4	933.5	917.6	909.6	907.0
167.5°	939.2	939.8	942.0	944.2	942.0	939.8	939.2	931.4	920.9	915.7	913.5
170°	939.2	939.2	939.2	939.2	939.2	939.2	939.2	931.4	920.9	915.7	915.6
172.5°	934.3	933.8	931.9	930.0	931.9	933.8	934.3	928.1	919.8	915.7	915.7
175°	927.5	927.5	927.5	927.5	927.5	927.5	927.5	923.6	918.3	915.7	916.9
177.5°	926.3	925.7	923.5	921.3	923.5	925.7	926.3	923.2	919.1	917.0	918.0
180°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3



TEST NUMBER: P934513

CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5300.0	5325.4	5340.6	5360.9	5411.7
5°	5096.9	5193.4	5223.8	5300.0	5391.3
7.5°	4650.2	4944.6	5025.8	5208.6	5350.7
10°	4218.7	4513.1	4655.2	5086.8	5300.0
12.5°	4000.4	4173.0	4269.4	4873.5	5228.9
15°	3863.3	3985.1	4056.2	4589.2	5147.7
17.5°	3756.7	3843.0	3893.8	4310.0	5036.0
20°	3690.7	3731.3	3777.0	4107.0	4909.1
22.5°	3645.0	3619.6	3655.2	3964.8	4736.5
25°	3614.5	3518.1	3558.7	3853.1	4533.4
27.5°	3639.9	3426.7	3441.9	3751.6	4320.2
30°	3645.0	3315.0	3320.1	3645.0	4081.6
32.5°	3609.5	3198.3	3203.3	3513.0	3812.5
35°	3523.2	3061.2	3056.1	3360.7	3447.0
37.5°	3406.4	2914.0	2914.0	3193.2	3046.0
40°	3264.3	2766.7	2782.0	2974.9	2690.6
42.5°	3091.6	2609.4	2629.7	2685.5	2426.6
45°	2903.8	2457.1	2472.3	2269.2	2223.5
47.5°	2695.7	2299.7	2304.8	1883.4	2157.6
50°	2446.9	2137.2	2116.9	1614.4	2152.5
52.5°	2228.6	1959.6	1898.6	1462.1	1954.5
55°	2015.4	1771.7	1639.7	1345.3	1812.3
57.5°	1827.6	1528.1	1401.1	1208.2	1781.9
60°	1655.0	1289.5	1193.0	1061.0	1634.7
62.5°	1512.8	1111.8	1091.5	959.5	1482.4
65°	1360.5	989.9	984.9	873.2	1259.0
67.5°	1213.3	908.7	903.6	791.9	959.5
70°	1055.9	822.4	812.3	705.6	710.7
72.5°	893.5	726.0	715.8	634.6	588.9
75°	731.0	614.3	609.2	553.3	477.2
77.5°	573.7	487.4	497.5	446.7	350.3
80°	411.2	355.4	365.5	319.8	264.0
82.5°	274.1	233.5	243.7	203.1	177.7
85°	152.3	132.0	137.1	106.6	81.2
87.5°	71.1	60.9	60.9	40.6	25.4
90°	27.2	17.3	16.1	11.1	6.2
92.5°	167.7	119.3	108.8	66.7	24.7
95°	412.8	232.5	213.3	136.3	59.4
97.5°	556.1	255.4	238.4	170.5	102.6
100°	608.2	274.5	259.1	197.6	136.0
102.5°	632.1	293.7	279.3	221.9	164.5
105°	649.8	322.1	309.9	261.3	212.7
107.5°	653.2	364.2	352.9	307.5	262.2
110°	648.2	387.7	377.5	336.5	295.6



TEST NUMBER: P934513
 CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	648.4	416.1	406.3	367.3	328.3
115°	654.4	458.8	449.8	413.8	377.8
117.5°	666.5	500.2	492.0	459.3	426.6
120°	676.4	524.3	516.6	485.9	455.1
122.5°	690.7	552.8	545.0	514.0	482.9
125°	709.9	589.3	582.2	553.9	525.6
127.5°	729.0	624.5	617.4	588.8	560.2
130°	743.0	648.0	640.3	609.6	578.8
132.5°	754.4	667.2	659.5	628.7	597.9
135°	766.7	689.4	682.4	654.4	626.4
137.5°	785.3	717.9	711.0	683.2	655.4
140°	796.6	737.0	730.6	705.1	679.5
142.5°	806.1	751.3	745.4	721.7	698.1
145°	818.5	772.9	767.7	747.1	726.5
147.5°	836.6	800.1	795.1	775.0	755.0
150°	846.1	814.3	809.8	791.6	773.5
152.5°	852.3	823.6	820.2	806.4	792.7
155°	865.9	844.0	841.5	831.3	821.1
157.5°	879.5	864.4	861.9	852.1	842.2
160°	885.7	873.7	871.8	864.1	856.4
162.5°	892.3	883.6	882.2	876.4	870.6
165°	901.7	897.8	896.5	891.3	886.1
167.5°	909.1	905.8	905.2	902.7	900.3
170°	915.3	915.1	914.5	912.0	909.6
172.5°	915.7	915.7	915.6	915.0	914.5
175°	919.4	921.3	921.3	921.3	921.3
177.5°	919.9	921.3	921.3	921.3	921.3
180°	921.3	921.3	921.3	921.3	921.3



TEST NUMBER: P934513
 CATALOG NUMBER: SQ4-FA-050U-125D-835-1D-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	16.24	17.31	17.00	18.10	19.06	19.09	20.17	19.85	20.95	21.91
	3H	16.73	17.70	17.51	18.49	19.48	20.46	21.42	21.24	22.22	23.20
	4H	16.93	17.84	17.73	18.65	19.64	20.92	21.83	21.71	22.63	23.63
	6H	17.06	17.90	17.87	18.72	19.73	21.22	22.06	22.03	22.87	23.88
	8H	17.07	17.87	17.89	18.70	19.71	21.30	22.10	22.12	22.93	23.95
	12H	17.05	17.81	17.87	18.64	19.67	21.35	22.11	22.17	22.94	23.98
4H	2H	17.30	18.21	18.10	19.02	20.01	19.52	20.43	20.32	21.24	22.24
	3H	18.35	19.11	19.16	19.95	20.96	21.06	21.82	21.87	22.65	23.67
	4H	18.63	19.32	19.46	20.16	21.20	21.60	22.29	22.42	23.13	24.17
	6H	18.77	19.37	19.61	20.23	21.28	21.98	22.58	22.82	23.44	24.48
	8H	18.78	19.34	19.63	20.20	21.26	22.10	22.65	22.94	23.51	24.57
	12H	18.76	19.26	19.63	20.14	21.20	22.17	22.67	23.03	23.55	24.61
8H	4H	19.11	19.67	19.95	20.52	21.58	21.74	22.30	22.58	23.15	24.21
	6H	19.38	19.84	20.25	20.74	21.80	22.19	22.65	23.06	23.55	24.61
	8H	19.42	19.83	20.31	20.73	21.80	22.35	22.76	23.23	23.65	24.73
	12H	19.42	19.78	20.31	20.66	21.79	22.46	22.82	23.35	23.71	24.83
12H	4H	19.13	19.63	19.99	20.51	21.57	21.71	22.22	22.58	23.09	24.16
	6H	19.44	19.85	20.33	20.75	21.82	22.19	22.60	23.07	23.49	24.57
	8H	19.52	19.88	20.41	20.77	21.89	22.36	22.72	23.25	23.61	24.74