

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: P935423

Luminaire Tested: SQ4-FA-125U-050D-927-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935423
REPORT IS A COMBINATION OF REPORTS P933755 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-050D-927-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

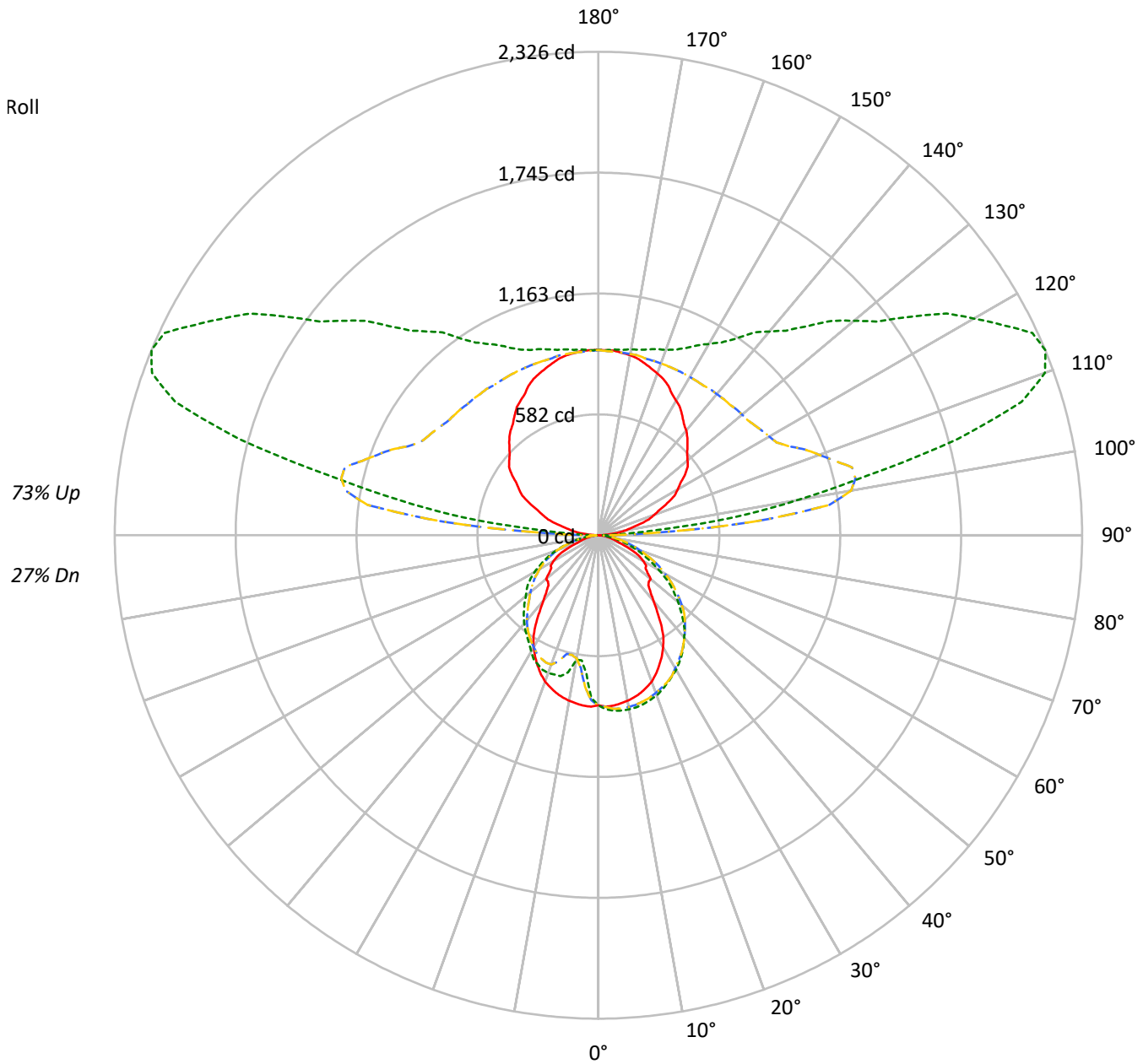
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7902.5 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 71.4
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: P935423
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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35				27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29				23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25				19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21				16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18				14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16				12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14				10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12				9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11				8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10				7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9				7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5065	5065	5065	5065
5°	5101	5113	5101	4020
10°	5065	5036	5065	3601
15°	5008	4928	5008	4114
20°	4902	4798	4902	4123
25°	4685	4609	4685	4036
30°	4406	4453	4406	3844
35°	3926	4255	3926	3633
40°	3270	4022	3270	3474
45°	2920	3749	2920	3290
50°	3099	3424	3099	3107
55°	2913	3073	2913	3000
60°	2999	2610	2999	2747
65°	2715	2158	2715	2412
70°	1875	1719	1875	2022
75°	1638	1271	1638	1522
80°	1312	840	1312	915
85°	739	445	739	378

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 4478 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	0.9
10°-20°	209.8	2.7
20°-30°	324.4	4.1
30°-40°	387.2	4.9
40°-50°	389.5	4.9
50°-60°	338.9	4.3
60°-70°	240.3	3.0
70°-80°	127.1	1.6
80°-90°	35.1	0.4
90°-100°	434.3	5.5
100°-110°	1141.9	14.4
110°-120°	1184.0	15.0
120°-130°	949.7	12.0
130°-140°	745.2	9.4
140°-150°	572.0	7.2
150°-160°	411.9	5.2
160°-170°	252.0	3.2
170°-180°	85.1	1.1
0°-30°	608.1	7.7
0°-40°	995.4	12.6
0°-60°	1723.8	21.8
0°-90°	2126.3	26.9
90°-120°	2760.2	34.9
90°-150°	5027.1	63.6
90°-180°	5776.0	73.1
0°-180°	7902.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	819	819	819	819	819	
5°	823	848	823	667	823	78
15°	786	840	786	702	786	221
25°	692	784	692	686	692	318
35°	526	700	526	597	526	325
45°	339	576	339	506	339	272
55°	276	425	276	415	276	254
65°	192	256	192	287	192	184
75°	73	122	73	146	73	77
85°	12	31	12	26	12	17
90°	6	23	6	23	6	5
95°	57	262	57	262	57	64
105°	206	1788	206	1788	206	218
115°	365	2302	365	2302	365	361
125°	508	1834	508	1834	508	451
135°	606	1423	606	1423	606	469
145°	703	1154	703	1154	703	440
155°	794	994	794	994	794	365
165°	857	926	857	926	857	242
175°	891	897	891	897	891	85
180°	891	891	891	891	891	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7
2.5°	825.7	825.7	830.4	831.9	831.9	829.6	827.3	829.6	836.6	838.9	838.1
5°	822.6	828.8	837.4	838.9	840.5	839.7	838.1	839.7	847.4	849.0	849.8
7.5°	816.4	828.1	838.9	841.2	843.5	841.2	840.5	842.0	849.8	851.3	851.3
10°	808.7	825.0	837.4	838.9	841.2	838.9	838.9	842.0	849.8	851.3	852.1
12.5°	797.9	820.3	831.9	833.4	836.6	835.8	835.0	838.1	845.8	847.4	847.4
15°	785.5	811.8	822.6	824.2	829.6	828.1	828.1	831.1	839.7	842.0	841.2
17.5°	768.4	801.0	813.4	815.7	819.5	818.7	819.5	822.6	830.4	831.9	832.7
20°	749.1	786.2	801.0	803.3	807.1	807.1	807.1	811.0	818.7	821.8	821.8
22.5°	722.7	770.7	786.2	787.8	792.4	792.4	793.9	799.4	806.3	807.1	807.1
25°	691.7	753.7	766.8	771.5	776.2	778.5	780.8	783.9	786.2	785.5	786.2
27.5°	659.2	732.0	749.1	752.1	758.4	760.7	763.8	764.5	765.3	767.6	766.1
30°	622.8	701.8	727.3	730.4	740.5	742.0	739.0	740.5	744.4	746.0	747.5
32.5°	581.7	656.9	704.9	711.9	721.2	716.5	715.7	718.0	724.3	724.3	725.8
35°	526.0	622.0	684.0	690.2	697.2	691.7	694.8	695.6	699.5	701.8	701.0
37.5°	464.8	591.8	662.3	666.9	672.4	665.4	670.1	672.4	675.4	673.9	673.9
40°	410.6	544.5	636.7	639.8	644.5	639.0	643.7	645.3	646.8	645.3	644.5
42.5°	370.3	492.6	609.6	613.5	610.4	614.2	615.8	618.9	616.6	613.5	613.5
45°	339.3	478.7	580.2	584.8	580.2	586.4	588.7	588.7	581.7	580.2	579.4
47.5°	329.2	450.8	550.8	550.8	548.4	556.2	560.0	554.6	547.6	545.3	545.3
50°	328.4	419.8	510.4	507.4	518.2	527.5	523.6	518.2	512.8	504.3	504.3
52.5°	298.2	381.8	458.5	470.2	487.3	492.6	486.5	481.0	471.7	467.9	464.8
55°	276.5	342.3	411.3	434.6	452.4	459.3	447.8	442.3	428.4	426.0	424.5
57.5°	271.9	285.1	367.9	397.4	419.0	418.3	411.3	401.2	389.6	387.3	386.5
60°	249.4	206.1	321.5	356.4	378.8	376.5	370.3	361.0	350.1	348.6	347.0
62.5°	226.1	149.5	268.8	308.3	340.0	339.3	333.9	319.9	312.2	308.3	305.2
65°	192.1	125.5	191.3	256.4	302.1	303.6	292.1	282.0	273.4	268.8	268.0
67.5°	146.4	102.3	129.4	213.8	265.7	264.1	249.4	244.8	233.9	231.6	227.0
70°	108.4	68.1	89.9	173.5	230.1	226.1	214.6	209.1	199.0	193.7	190.6
72.5°	89.9	55.0	65.8	134.8	193.7	189.0	178.9	172.7	164.2	159.5	156.5
75°	72.8	58.1	50.4	99.9	157.2	154.2	144.8	138.7	131.7	125.5	126.3
77.5°	53.4	54.2	40.3	73.6	124.7	120.0	114.7	106.9	103.8	97.6	97.6
80°	40.3	42.6	30.2	50.4	89.9	89.9	85.2	79.8	74.4	71.3	71.3
82.5°	27.1	27.1	22.5	31.7	61.2	58.9	55.7	54.2	51.1	49.6	49.6
85°	12.4	15.5	13.9	19.3	33.3	34.9	34.9	33.3	32.6	31.0	31.7
87.5°	3.8	7.0	8.5	10.9	17.0	17.8	18.6	18.6	18.6	19.3	19.3
90°	6.0	10.8	15.6	16.7	26.3	39.0	45.4	40.3	30.3	22.7	22.7
92.5°	23.9	64.6	105.3	115.4	162.2	224.7	255.9	224.3	161.1	113.7	109.1
95°	57.4	131.8	206.2	224.8	399.2	631.9	748.1	667.6	506.5	385.7	372.0
97.5°	99.3	164.9	230.5	246.9	537.8	925.6	1119.5	1068.6	966.8	890.4	864.4
100°	131.6	191.1	250.6	265.5	588.2	1018.6	1233.7	1237.4	1244.9	1250.4	1219.4
102.5°	159.1	214.6	270.2	284.1	611.4	1047.7	1266.0	1330.8	1460.5	1557.8	1531.2
105°	205.7	252.8	299.8	311.5	628.5	1051.1	1262.4	1407.8	1698.5	1916.6	1902.3
107.5°	253.6	297.4	341.3	352.2	631.7	1004.3	1190.7	1393.5	1799.0	2103.2	2106.6
110°	285.8	325.4	365.0	374.9	626.9	962.8	1130.8	1357.5	1811.0	2151.1	2165.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	317.5	355.3	393.0	402.5	627.1	926.6	1076.4	1308.4	1772.5	2120.5	2143.4
115°	365.4	400.2	435.0	443.8	632.9	885.1	1011.2	1234.8	1681.8	2017.1	2048.8
117.5°	412.6	444.3	475.9	483.8	644.6	859.1	966.4	1168.1	1571.6	1874.2	1909.3
120°	440.1	469.9	499.7	507.1	654.2	850.3	948.4	1132.7	1501.3	1777.9	1812.0
122.5°	467.1	497.1	527.1	534.6	668.0	845.8	934.7	1100.7	1432.7	1681.6	1715.3
125°	508.3	535.7	563.0	569.9	686.5	842.0	919.8	1060.8	1342.7	1554.2	1585.3
127.5°	541.8	569.4	597.1	604.0	705.1	839.8	907.2	1028.3	1270.4	1452.0	1478.2
130°	559.7	589.5	619.2	626.7	718.6	841.1	902.4	1010.2	1225.7	1387.4	1411.6
132.5°	578.3	608.1	637.8	645.3	729.6	842.0	898.2	994.7	1187.6	1332.3	1354.0
135°	605.8	632.9	660.0	666.7	741.5	841.2	891.0	971.8	1133.4	1254.6	1273.3
137.5°	633.9	660.7	687.6	694.3	759.5	846.4	889.8	958.1	1094.7	1197.2	1212.4
140°	657.2	681.9	706.6	712.8	770.4	847.2	885.7	944.6	1062.7	1151.2	1165.5
142.5°	675.1	698.0	720.9	726.6	779.6	850.3	885.7	937.5	1041.1	1118.9	1131.2
145°	702.6	722.6	742.5	747.5	791.6	850.3	879.6	922.1	1006.9	1070.5	1079.8
147.5°	730.2	749.6	769.0	773.8	809.1	856.2	879.6	913.0	979.7	1029.8	1037.5
150°	748.1	765.7	783.2	787.6	818.3	859.2	879.6	907.8	964.2	1006.5	1012.7
152.5°	766.6	779.9	793.3	796.6	824.3	861.2	879.6	903.7	951.8	987.9	992.6
155°	794.2	804.0	813.8	816.3	837.4	865.6	879.6	898.8	937.1	965.8	969.0
157.5°	814.5	824.1	833.6	836.0	850.5	869.9	879.6	894.5	924.3	946.6	948.8
160°	828.2	835.7	843.2	845.0	856.5	871.9	879.6	892.4	917.9	937.1	938.3
162.5°	842.0	847.5	853.2	854.5	862.9	874.1	879.6	890.4	911.9	928.1	929.3
165°	856.9	862.0	867.1	868.3	872.1	877.1	879.6	887.3	902.8	914.4	915.6
167.5°	870.7	873.1	875.5	876.1	879.3	883.5	885.7	890.7	900.8	908.4	908.9
170°	879.6	882.0	884.4	885.0	885.3	885.5	885.7	890.7	900.8	908.4	908.4
172.5°	884.4	885.0	885.5	885.7	885.7	885.7	885.7	889.7	897.6	903.6	903.1
175°	891.0	891.0	891.0	891.0	889.3	886.9	885.7	888.2	893.3	897.0	897.0
177.5°	891.0	891.0	891.0	891.0	889.7	887.7	886.8	888.8	892.8	895.8	895.3
180°	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7
2.5°	839.7	837.4	839.7	838.1	838.9	836.6	829.6	827.3	829.6	831.9	831.9
5°	849.8	848.2	849.8	849.8	849.0	847.4	839.7	838.1	839.7	840.5	838.9
7.5°	852.9	850.5	852.9	851.3	851.3	849.8	842.0	840.5	841.2	843.5	841.2
10°	852.9	850.5	852.9	852.1	851.3	849.8	842.0	838.9	838.9	841.2	838.9
12.5°	849.0	847.4	849.0	847.4	847.4	845.8	838.1	835.0	835.8	836.6	833.4
15°	842.8	840.5	842.8	841.2	842.0	839.7	831.1	828.1	828.1	829.6	824.2
17.5°	833.4	830.4	833.4	832.7	831.9	830.4	822.6	819.5	818.7	819.5	815.7
20°	822.6	820.3	822.6	821.8	821.8	818.7	811.0	807.1	807.1	807.1	803.3
22.5°	805.6	803.3	805.6	807.1	807.1	806.3	799.4	793.9	792.4	792.4	787.8
25°	786.2	783.9	786.2	786.2	785.5	786.2	783.9	780.8	778.5	776.2	771.5
27.5°	767.6	766.1	767.6	766.1	767.6	765.3	764.5	763.8	760.7	758.4	752.1
30°	749.1	747.5	749.1	747.5	746.0	744.4	740.5	739.0	742.0	740.5	730.4
32.5°	725.8	724.3	725.8	725.8	724.3	724.3	718.0	715.7	716.5	721.2	711.9
35°	701.8	699.5	701.8	701.0	701.8	699.5	695.6	694.8	691.7	697.2	690.2
37.5°	673.9	671.6	673.9	673.9	673.9	675.4	672.4	670.1	665.4	672.4	666.9
40°	645.3	642.2	645.3	644.5	645.3	646.8	645.3	643.7	639.0	644.5	639.8
42.5°	612.7	611.9	612.7	613.5	613.5	616.6	618.9	615.8	614.2	610.4	613.5
45°	577.9	576.3	577.9	579.4	580.2	581.7	588.7	588.7	586.4	580.2	584.8
47.5°	540.7	536.8	540.7	545.3	545.3	547.6	554.6	560.0	556.2	548.4	550.8
50°	501.2	502.0	501.2	504.3	504.3	512.8	518.2	523.6	527.5	518.2	507.4
52.5°	462.5	461.7	462.5	464.8	467.9	471.7	481.0	486.5	492.6	487.3	470.2
55°	423.7	425.3	423.7	424.5	426.0	428.4	442.3	447.8	459.3	452.4	434.6
57.5°	385.0	382.7	385.0	386.5	387.3	389.6	401.2	411.3	418.3	419.0	397.4
60°	340.0	337.0	340.0	347.0	348.6	350.1	361.0	370.3	376.5	378.8	356.4
62.5°	300.5	295.1	300.5	305.2	308.3	312.2	319.9	333.9	339.3	340.0	308.3
65°	258.7	256.4	258.7	268.0	268.8	273.4	282.0	292.1	303.6	302.1	256.4
67.5°	220.8	220.8	220.8	227.0	231.6	233.9	244.8	249.4	264.1	265.7	213.8
70°	185.9	185.1	185.9	190.6	193.7	199.0	209.1	214.6	226.1	230.1	173.5
72.5°	152.6	151.8	152.6	156.5	159.5	164.2	172.7	178.9	189.0	193.7	134.8
75°	123.2	121.6	123.2	126.3	125.5	131.7	138.7	144.8	154.2	157.2	99.9
77.5°	94.5	94.5	94.5	97.6	97.6	103.8	106.9	114.7	120.0	124.7	73.6
80°	70.5	69.7	70.5	71.3	71.3	74.4	79.8	85.2	89.9	89.9	50.4
82.5°	49.6	48.0	49.6	49.6	49.6	51.1	54.2	55.7	58.9	61.2	31.7
85°	31.0	31.0	31.0	31.7	31.0	32.6	33.3	34.9	34.9	33.3	19.3
87.5°	20.2	19.3	20.2	19.3	19.3	18.6	18.6	18.6	17.8	17.0	10.9
90°	22.7	22.7	22.7	22.7	22.7	30.3	40.3	45.4	39.0	26.3	16.7
92.5°	91.0	72.9	91.0	109.1	113.7	161.1	224.3	255.9	224.7	162.2	115.4
95°	317.2	262.5	317.2	372.0	385.7	506.5	667.6	748.1	631.9	399.2	224.8
97.5°	760.2	656.0	760.2	864.4	890.4	966.8	1068.6	1119.5	925.6	537.8	246.9
100°	1095.3	971.2	1095.3	1219.4	1250.4	1244.9	1237.4	1233.7	1018.6	588.2	265.5
102.5°	1424.9	1318.6	1424.9	1531.2	1557.8	1460.5	1330.8	1266.0	1047.7	611.4	284.1
105°	1845.2	1788.0	1845.2	1902.3	1916.6	1698.5	1407.8	1262.4	1051.1	628.5	311.5
107.5°	2120.4	2134.3	2120.4	2106.6	2103.2	1799.0	1393.5	1190.7	1004.3	631.7	352.2
110°	2225.5	2285.0	2225.5	2165.9	2151.1	1811.0	1357.5	1130.8	962.8	626.9	374.9



TEST NUMBER: P935423

CATALOG NUMBER: SQ4-FA-125U-050D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2234.8	2326.2	2234.8	2143.4	2120.5	1772.5	1308.4	1076.4	926.6	627.1	402.5
115°	2175.6	2302.3	2175.6	2048.8	2017.1	1681.8	1234.8	1011.2	885.1	632.9	443.8
117.5°	2049.9	2190.5	2049.9	1909.3	1874.2	1571.6	1168.1	966.4	859.1	644.6	483.8
120°	1948.6	2085.2	1948.6	1812.0	1777.9	1501.3	1132.7	948.4	850.3	654.2	507.1
122.5°	1850.0	1984.8	1850.0	1715.3	1681.6	1432.7	1100.7	934.7	845.8	668.0	534.6
125°	1709.4	1833.5	1709.4	1585.3	1554.2	1342.7	1060.8	919.8	842.0	686.5	569.9
127.5°	1582.9	1687.6	1582.9	1478.2	1452.0	1270.4	1028.3	907.2	839.8	705.1	604.0
130°	1508.4	1605.1	1508.4	1411.6	1387.4	1225.7	1010.2	902.4	841.1	718.6	626.7
132.5°	1440.7	1527.3	1440.7	1354.0	1332.3	1187.6	994.7	898.2	842.0	729.6	645.3
135°	1348.0	1422.7	1348.0	1273.3	1254.6	1133.4	971.8	891.0	841.2	741.5	666.7
137.5°	1273.6	1334.7	1273.6	1212.4	1197.2	1094.7	958.1	889.8	846.4	759.5	694.3
140°	1222.6	1279.7	1222.6	1165.5	1151.2	1062.7	944.6	885.7	847.2	770.4	712.8
142.5°	1180.3	1229.5	1180.3	1131.2	1118.9	1041.1	937.5	885.7	850.3	779.6	726.6
145°	1117.0	1154.2	1117.0	1079.8	1070.5	1006.9	922.1	879.6	850.3	791.6	747.5
147.5°	1068.4	1099.2	1068.4	1037.5	1029.8	979.7	913.0	879.6	856.2	809.1	773.8
150°	1037.7	1062.7	1037.7	1012.7	1006.5	964.2	907.8	879.6	859.2	818.3	787.6
152.5°	1011.5	1030.3	1011.5	992.6	987.9	951.8	903.7	879.6	861.2	824.3	796.6
155°	981.4	993.9	981.4	969.0	965.8	937.1	898.8	879.6	865.6	837.4	816.3
157.5°	957.6	966.4	957.6	948.8	946.6	924.3	894.5	879.6	869.9	850.5	836.0
160°	943.4	948.4	943.4	938.3	937.1	917.9	892.4	879.6	871.9	856.5	845.0
162.5°	934.1	938.9	934.1	929.3	928.1	911.9	890.4	879.6	874.1	862.9	854.5
165°	920.7	925.7	920.7	915.6	914.4	902.8	887.3	879.6	877.1	872.1	868.3
167.5°	911.0	913.1	911.0	908.9	908.4	900.8	890.7	885.7	883.5	879.3	876.1
170°	908.4	908.4	908.4	908.4	908.4	900.8	890.7	885.7	885.5	885.3	885.0
172.5°	901.3	899.4	901.3	903.1	903.6	897.6	889.7	885.7	885.7	885.7	885.7
175°	897.0	897.0	897.0	897.0	897.0	893.3	888.2	885.7	886.9	889.3	891.0
177.5°	893.2	891.0	893.2	895.3	895.8	892.8	888.8	886.8	887.7	889.7	891.0
180°	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0



TEST NUMBER: P935423

CATALOG NUMBER: SQ4-FA-125U-050D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7
2.5°	830.4	825.7	825.7	818.0	814.9	812.6	808.7	797.1	793.9	790.9	795.5
5°	837.4	828.8	822.6	808.7	797.1	792.4	777.7	749.8	731.2	717.3	709.6
7.5°	838.9	828.1	816.4	794.7	766.8	754.4	709.6	658.4	644.5	632.1	624.3
10°	837.4	825.0	808.7	776.2	710.3	688.6	643.7	610.4	601.8	599.5	601.8
12.5°	831.9	820.3	797.9	743.6	651.4	636.7	610.4	591.1	589.4	593.4	614.2
15°	822.6	811.8	785.5	700.2	618.9	608.1	589.4	582.5	591.1	618.2	680.9
17.5°	813.4	801.0	768.4	657.7	594.1	586.4	573.2	587.1	635.2	671.6	692.5
20°	801.0	786.2	749.1	626.6	576.3	569.3	563.1	625.9	662.3	675.4	687.1
22.5°	786.2	770.7	722.7	605.0	557.7	552.3	556.2	647.6	662.3	671.6	681.7
25°	766.8	753.7	691.7	587.9	543.0	536.8	551.6	645.3	653.7	656.1	676.2
27.5°	749.1	732.0	659.2	572.4	525.2	522.8	555.4	635.2	641.4	643.7	665.4
30°	727.3	701.8	622.8	556.2	506.6	505.8	556.2	622.8	621.2	627.4	649.1
32.5°	704.9	656.9	581.7	536.0	488.8	488.0	550.8	604.2	602.7	611.1	627.4
35°	684.0	622.0	526.0	512.8	466.3	467.1	537.5	582.5	583.3	591.1	601.1
37.5°	662.3	591.8	464.8	487.3	444.6	444.6	519.8	562.3	560.8	563.1	577.1
40°	636.7	544.5	410.6	453.9	424.5	422.2	498.0	540.7	535.2	534.5	553.9
42.5°	609.6	492.6	370.3	409.8	401.2	398.2	471.7	514.4	504.3	506.6	531.4
45°	580.2	478.7	339.3	346.3	377.2	374.9	443.1	484.1	477.2	483.3	508.9
47.5°	550.8	450.8	329.2	287.4	351.7	350.9	411.3	454.7	450.8	457.0	484.1
50°	510.4	419.8	328.4	246.3	323.0	326.1	373.4	426.0	426.0	431.4	460.2
52.5°	458.5	381.8	298.2	223.1	289.7	299.0	340.0	401.2	402.8	408.3	433.7
55°	411.3	342.3	276.5	205.3	250.2	270.3	307.5	375.7	378.8	384.2	407.4
57.5°	367.9	285.1	271.9	184.3	213.8	233.2	278.9	350.9	352.4	357.1	379.5
60°	321.5	206.1	249.4	161.9	182.0	196.7	252.5	321.5	326.9	329.9	349.3
62.5°	268.8	149.5	226.1	146.4	166.6	169.6	230.8	293.6	300.5	302.8	314.5
65°	191.3	125.5	192.1	133.2	150.3	151.1	207.6	264.9	271.1	275.0	283.5
67.5°	129.4	102.3	146.4	120.8	137.9	138.7	185.1	231.6	240.2	243.2	248.6
70°	89.9	68.1	108.4	107.6	124.0	125.5	161.1	201.4	209.1	211.4	214.6
72.5°	65.8	55.0	89.9	96.8	109.2	110.8	136.4	167.3	175.1	177.4	178.9
75°	50.4	58.1	72.8	84.5	92.9	93.7	111.6	136.4	141.8	143.3	144.1
77.5°	40.3	54.2	53.4	68.1	75.9	74.4	87.5	105.3	110.0	110.0	110.0
80°	30.2	42.6	40.3	48.8	55.7	54.2	62.8	75.2	76.7	78.2	77.5
82.5°	22.5	27.1	27.1	31.0	37.2	35.7	41.8	48.8	48.8	48.8	50.4
85°	13.9	15.5	12.4	16.2	20.9	20.2	23.3	26.3	27.1	27.1	25.6
87.5°	8.5	7.0	3.8	6.2	9.3	9.3	10.9	11.6	10.9	10.9	10.9
90°	15.6	10.8	6.0	10.8	15.6	16.7	26.3	39.0	45.4	40.3	30.3
92.5°	105.3	64.6	23.9	64.6	105.3	115.4	162.2	224.7	255.9	224.3	161.1
95°	206.2	131.8	57.4	131.8	206.2	224.8	399.2	631.9	748.1	667.6	506.5
97.5°	230.5	164.9	99.3	164.9	230.5	246.9	537.8	925.6	1119.5	1068.6	966.8
100°	250.6	191.1	131.6	191.1	250.6	265.5	588.2	1018.6	1233.7	1237.4	1244.9
102.5°	270.2	214.6	159.1	214.6	270.2	284.1	611.4	1047.7	1266.0	1330.8	1460.5
105°	299.8	252.8	205.7	252.8	299.8	311.5	628.5	1051.1	1262.4	1407.8	1698.5
107.5°	341.3	297.4	253.6	297.4	341.3	352.2	631.7	1004.3	1190.7	1393.5	1799.0
110°	365.0	325.4	285.8	325.4	365.0	374.9	626.9	962.8	1130.8	1357.5	1811.0



TEST NUMBER: P935423

CATALOG NUMBER: SQ4-FA-125U-050D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	393.0	355.3	317.5	355.3	393.0	402.5	627.1	926.6	1076.4	1308.4	1772.5
115°	435.0	400.2	365.4	400.2	435.0	443.8	632.9	885.1	1011.2	1234.8	1681.8
117.5°	475.9	444.3	412.6	444.3	475.9	483.8	644.6	859.1	966.4	1168.1	1571.6
120°	499.7	469.9	440.1	469.9	499.7	507.1	654.2	850.3	948.4	1132.7	1501.3
122.5°	527.1	497.1	467.1	497.1	527.1	534.6	668.0	845.8	934.7	1100.7	1432.7
125°	563.0	535.7	508.3	535.7	563.0	569.9	686.5	842.0	919.8	1060.8	1342.7
127.5°	597.1	569.4	541.8	569.4	597.1	604.0	705.1	839.8	907.2	1028.3	1270.4
130°	619.2	589.5	559.7	589.5	619.2	626.7	718.6	841.1	902.4	1010.2	1225.7
132.5°	637.8	608.1	578.3	608.1	637.8	645.3	729.6	842.0	898.2	994.7	1187.6
135°	660.0	632.9	605.8	632.9	660.0	666.7	741.5	841.2	891.0	971.8	1133.4
137.5°	687.6	660.7	633.9	660.7	687.6	694.3	759.5	846.4	889.8	958.1	1094.7
140°	706.6	681.9	657.2	681.9	706.6	712.8	770.4	847.2	885.7	944.6	1062.7
142.5°	720.9	698.0	675.1	698.0	720.9	726.6	779.6	850.3	885.7	937.5	1041.1
145°	742.5	722.6	702.6	722.6	742.5	747.5	791.6	850.3	879.6	922.1	1006.9
147.5°	769.0	749.6	730.2	749.6	769.0	773.8	809.1	856.2	879.6	913.0	979.7
150°	783.2	765.7	748.1	765.7	783.2	787.6	818.3	859.2	879.6	907.8	964.2
152.5°	793.3	779.9	766.6	779.9	793.3	796.6	824.3	861.2	879.6	903.7	951.8
155°	813.8	804.0	794.2	804.0	813.8	816.3	837.4	865.6	879.6	898.8	937.1
157.5°	833.6	824.1	814.5	824.1	833.6	836.0	850.5	869.9	879.6	894.5	924.3
160°	843.2	835.7	828.2	835.7	843.2	845.0	856.5	871.9	879.6	892.4	917.9
162.5°	853.2	847.5	842.0	847.5	853.2	854.5	862.9	874.1	879.6	890.4	911.9
165°	867.1	862.0	856.9	862.0	867.1	868.3	872.1	877.1	879.6	887.3	902.8
167.5°	875.5	873.1	870.7	873.1	875.5	876.1	879.3	883.5	885.7	890.7	900.8
170°	884.4	882.0	879.6	882.0	884.4	885.0	885.3	885.5	885.7	890.7	900.8
172.5°	885.5	885.0	884.4	885.0	885.5	885.7	885.7	885.7	885.7	889.7	897.6
175°	891.0	891.0	891.0	891.0	891.0	891.0	889.3	886.9	885.7	888.2	893.3
177.5°	891.0	891.0	891.0	891.0	891.0	891.0	889.7	887.7	886.8	888.8	892.8
180°	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0



TEST NUMBER: P935423
 CATALOG NUMBER: SQ4-FA-125U-050D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7	818.7
2.5°	790.1	787.8	790.9	782.3	790.9	787.8	790.1	795.5	790.9	793.9	797.1
5°	693.3	689.4	677.0	666.9	677.0	689.4	693.3	709.6	717.3	731.2	749.8
7.5°	619.7	616.6	613.5	607.3	613.5	616.6	619.7	624.3	632.1	644.5	658.4
10°	603.4	604.2	608.8	608.1	608.8	604.2	603.4	601.8	599.5	601.8	610.4
12.5°	645.3	652.2	677.8	676.2	677.8	652.2	645.3	614.2	593.4	589.4	591.1
15°	693.3	695.6	701.0	701.8	701.0	695.6	693.3	680.9	618.2	591.1	582.5
17.5°	697.9	698.7	702.5	702.5	702.5	698.7	697.9	692.5	671.6	635.2	587.1
20°	694.1	695.6	703.3	704.9	703.3	695.6	694.1	687.1	675.4	662.3	625.9
22.5°	692.5	695.6	701.8	701.0	701.8	695.6	692.5	681.7	671.6	662.3	647.6
25°	684.8	684.8	685.5	686.3	685.5	684.8	684.8	676.2	656.1	653.7	645.3
27.5°	668.5	670.1	674.7	673.9	674.7	670.1	668.5	665.4	643.7	641.4	635.2
30°	653.7	652.2	648.3	645.3	648.3	652.2	653.7	649.1	627.4	621.2	622.8
32.5°	629.0	625.1	621.2	618.9	621.2	625.1	629.0	627.4	611.1	602.7	604.2
35°	599.5	600.3	599.5	597.2	599.5	600.3	599.5	601.1	591.1	583.3	582.5
37.5°	578.7	580.2	579.4	576.3	579.4	580.2	578.7	577.1	563.1	560.8	562.3
40°	556.9	557.7	556.9	554.6	556.9	557.7	556.9	553.9	534.5	535.2	540.7
42.5°	536.0	535.2	532.9	531.4	532.9	535.2	536.0	531.4	506.6	504.3	514.4
45°	512.1	512.8	508.1	505.8	508.1	512.8	512.1	508.9	483.3	477.2	484.1
47.5°	488.0	488.0	484.1	481.8	484.1	488.0	488.0	484.1	457.0	450.8	454.7
50°	462.5	461.7	456.2	455.5	456.2	461.7	462.5	460.2	431.4	426.0	426.0
52.5°	433.0	433.0	433.7	435.4	433.7	433.0	433.0	433.7	408.3	402.8	401.2
55°	407.4	408.3	413.6	415.2	413.6	408.3	407.4	407.4	384.2	378.8	375.7
57.5°	381.1	381.1	385.0	385.0	385.0	381.1	381.1	379.5	357.1	352.4	350.9
60°	350.9	352.4	355.5	354.7	355.5	352.4	350.9	349.3	329.9	326.9	321.5
62.5°	319.2	320.7	321.5	319.9	321.5	320.7	319.2	314.5	302.8	300.5	293.6
65°	285.8	287.4	288.1	286.6	288.1	287.4	285.8	283.5	275.0	271.1	264.9
67.5°	251.7	250.9	250.2	253.3	250.2	250.9	251.7	248.6	243.2	240.2	231.6
70°	216.9	216.9	216.1	217.7	216.1	216.9	216.9	214.6	211.4	209.1	201.4
72.5°	179.7	178.9	182.0	179.7	182.0	178.9	179.7	178.9	177.4	175.1	167.3
75°	143.3	144.8	143.3	145.6	143.3	144.8	143.3	144.1	143.3	141.8	136.4
77.5°	109.2	110.8	109.2	109.2	109.2	110.8	109.2	110.0	110.0	110.0	105.3
80°	77.5	76.7	76.7	75.9	76.7	76.7	77.5	77.5	78.2	76.7	75.2
82.5°	49.6	48.8	48.8	50.4	48.8	48.8	49.6	50.4	48.8	48.8	48.8
85°	27.1	27.9	26.3	26.3	26.3	27.9	27.1	25.6	27.1	27.1	26.3
87.5°	10.1	9.3	9.3	9.3	9.3	9.3	10.1	10.9	10.9	10.9	11.6
90°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	30.3	40.3	45.4	39.0
92.5°	113.7	109.1	91.0	72.9	91.0	109.1	113.7	161.1	224.3	255.9	224.7
95°	385.7	372.0	317.2	262.5	317.2	372.0	385.7	506.5	667.6	748.1	631.9
97.5°	890.4	864.4	760.2	656.0	760.2	864.4	890.4	966.8	1068.6	1119.5	925.6
100°	1250.4	1219.4	1095.3	971.2	1095.3	1219.4	1250.4	1244.9	1237.4	1233.7	1018.6
102.5°	1557.8	1531.2	1424.9	1318.6	1424.9	1531.2	1557.8	1460.5	1330.8	1266.0	1047.7
105°	1916.6	1902.3	1845.2	1788.0	1845.2	1902.3	1916.6	1698.5	1407.8	1262.4	1051.1
107.5°	2103.2	2106.6	2120.4	2134.3	2120.4	2106.6	2103.2	1799.0	1393.5	1190.7	1004.3
110°	2151.1	2165.9	2225.5	2285.0	2225.5	2165.9	2151.1	1811.0	1357.5	1130.8	962.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2120.5	2143.4	2234.8	2326.2	2234.8	2143.4	2120.5	1772.5	1308.4	1076.4	926.6
115°	2017.1	2048.8	2175.6	2302.3	2175.6	2048.8	2017.1	1681.8	1234.8	1011.2	885.1
117.5°	1874.2	1909.3	2049.9	2190.5	2049.9	1909.3	1874.2	1571.6	1168.1	966.4	859.1
120°	1777.9	1812.0	1948.6	2085.2	1948.6	1812.0	1777.9	1501.3	1132.7	948.4	850.3
122.5°	1681.6	1715.3	1850.0	1984.8	1850.0	1715.3	1681.6	1432.7	1100.7	934.7	845.8
125°	1554.2	1585.3	1709.4	1833.5	1709.4	1585.3	1554.2	1342.7	1060.8	919.8	842.0
127.5°	1452.0	1478.2	1582.9	1687.6	1582.9	1478.2	1452.0	1270.4	1028.3	907.2	839.8
130°	1387.4	1411.6	1508.4	1605.1	1508.4	1411.6	1387.4	1225.7	1010.2	902.4	841.1
132.5°	1332.3	1354.0	1440.7	1527.3	1440.7	1354.0	1332.3	1187.6	994.7	898.2	842.0
135°	1254.6	1273.3	1348.0	1422.7	1348.0	1273.3	1254.6	1133.4	971.8	891.0	841.2
137.5°	1197.2	1212.4	1273.6	1334.7	1273.6	1212.4	1197.2	1094.7	958.1	889.8	846.4
140°	1151.2	1165.5	1222.6	1279.7	1222.6	1165.5	1151.2	1062.7	944.6	885.7	847.2
142.5°	1118.9	1131.2	1180.3	1229.5	1180.3	1131.2	1118.9	1041.1	937.5	885.7	850.3
145°	1070.5	1079.8	1117.0	1154.2	1117.0	1079.8	1070.5	1006.9	922.1	879.6	850.3
147.5°	1029.8	1037.5	1068.4	1099.2	1068.4	1037.5	1029.8	979.7	913.0	879.6	856.2
150°	1006.5	1012.7	1037.7	1062.7	1037.7	1012.7	1006.5	964.2	907.8	879.6	859.2
152.5°	987.9	992.6	1011.5	1030.3	1011.5	992.6	987.9	951.8	903.7	879.6	861.2
155°	965.8	969.0	981.4	993.9	981.4	969.0	965.8	937.1	898.8	879.6	865.6
157.5°	946.6	948.8	957.6	966.4	957.6	948.8	946.6	924.3	894.5	879.6	869.9
160°	937.1	938.3	943.4	948.4	943.4	938.3	937.1	917.9	892.4	879.6	871.9
162.5°	928.1	929.3	934.1	938.9	934.1	929.3	928.1	911.9	890.4	879.6	874.1
165°	914.4	915.6	920.7	925.7	920.7	915.6	914.4	902.8	887.3	879.6	877.1
167.5°	908.4	908.9	911.0	913.1	911.0	908.9	908.4	900.8	890.7	885.7	883.5
170°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	900.8	890.7	885.7	885.5
172.5°	903.6	903.1	901.3	899.4	901.3	903.1	903.6	897.6	889.7	885.7	885.7
175°	897.0	897.0	897.0	897.0	897.0	897.0	897.0	893.3	888.2	885.7	886.9
177.5°	895.8	895.3	893.2	891.0	893.2	895.3	895.8	892.8	888.8	886.8	887.7
180°	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	818.7	818.7	818.7	818.7	818.7
2.5°	808.7	812.6	814.9	818.0	825.7
5°	777.7	792.4	797.1	808.7	822.6
7.5°	709.6	754.4	766.8	794.7	816.4
10°	643.7	688.6	710.3	776.2	808.7
12.5°	610.4	636.7	651.4	743.6	797.9
15°	589.4	608.1	618.9	700.2	785.5
17.5°	573.2	586.4	594.1	657.7	768.4
20°	563.1	569.3	576.3	626.6	749.1
22.5°	556.2	552.3	557.7	605.0	722.7
25°	551.6	536.8	543.0	587.9	691.7
27.5°	555.4	522.8	525.2	572.4	659.2
30°	556.2	505.8	506.6	556.2	622.8
32.5°	550.8	488.0	488.8	536.0	581.7
35°	537.5	467.1	466.3	512.8	526.0
37.5°	519.8	444.6	444.6	487.3	464.8
40°	498.0	422.2	424.5	453.9	410.6
42.5°	471.7	398.2	401.2	409.8	370.3
45°	443.1	374.9	377.2	346.3	339.3
47.5°	411.3	350.9	351.7	287.4	329.2
50°	373.4	326.1	323.0	246.3	328.4
52.5°	340.0	299.0	289.7	223.1	298.2
55°	307.5	270.3	250.2	205.3	276.5
57.5°	278.9	233.2	213.8	184.3	271.9
60°	252.5	196.7	182.0	161.9	249.4
62.5°	230.8	169.6	166.6	146.4	226.1
65°	207.6	151.1	150.3	133.2	192.1
67.5°	185.1	138.7	137.9	120.8	146.4
70°	161.1	125.5	124.0	107.6	108.4
72.5°	136.4	110.8	109.2	96.8	89.9
75°	111.6	93.7	92.9	84.5	72.8
77.5°	87.5	74.4	75.9	68.1	53.4
80°	62.8	54.2	55.7	48.8	40.3
82.5°	41.8	35.7	37.2	31.0	27.1
85°	23.3	20.2	20.9	16.2	12.4
87.5°	10.9	9.3	9.3	6.2	3.8
90°	26.3	16.7	15.6	10.8	6.0
92.5°	162.2	115.4	105.3	64.6	23.9
95°	399.2	224.8	206.2	131.8	57.4
97.5°	537.8	246.9	230.5	164.9	99.3
100°	588.2	265.5	250.6	191.1	131.6
102.5°	611.4	284.1	270.2	214.6	159.1
105°	628.5	311.5	299.8	252.8	205.7
107.5°	631.7	352.2	341.3	297.4	253.6
110°	626.9	374.9	365.0	325.4	285.8



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CATALOG NUMBER: SQ4-FA-125U-050D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	627.1	402.5	393.0	355.3	317.5
115°	632.9	443.8	435.0	400.2	365.4
117.5°	644.6	483.8	475.9	444.3	412.6
120°	654.2	507.1	499.7	469.9	440.1
122.5°	668.0	534.6	527.1	497.1	467.1
125°	686.5	569.9	563.0	535.7	508.3
127.5°	705.1	604.0	597.1	569.4	541.8
130°	718.6	626.7	619.2	589.5	559.7
132.5°	729.6	645.3	637.8	608.1	578.3
135°	741.5	666.7	660.0	632.9	605.8
137.5°	759.5	694.3	687.6	660.7	633.9
140°	770.4	712.8	706.6	681.9	657.2
142.5°	779.6	726.6	720.9	698.0	675.1
145°	791.6	747.5	742.5	722.6	702.6
147.5°	809.1	773.8	769.0	749.6	730.2
150°	818.3	787.6	783.2	765.7	748.1
152.5°	824.3	796.6	793.3	779.9	766.6
155°	837.4	816.3	813.8	804.0	794.2
157.5°	850.5	836.0	833.6	824.1	814.5
160°	856.5	845.0	843.2	835.7	828.2
162.5°	862.9	854.5	853.2	847.5	842.0
165°	872.1	868.3	867.1	862.0	856.9
167.5°	879.3	876.1	875.5	873.1	870.7
170°	885.3	885.0	884.4	882.0	879.6
172.5°	885.7	885.7	885.5	885.0	884.4
175°	889.3	891.0	891.0	891.0	891.0
177.5°	889.7	891.0	891.0	891.0	891.0
180°	891.0	891.0	891.0	891.0	891.0



TEST NUMBER: P935423
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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	7.78	8.47	8.92	9.59	11.16	10.61	11.29	11.74	12.42	13.99
	3H	8.25	8.86	9.39	9.99	11.58	11.94	12.55	13.08	13.68	15.27
	4H	8.43	9.01	9.58	10.15	11.73	12.37	12.96	13.52	14.09	15.68
	6H	8.54	9.08	9.70	10.21	11.81	12.65	13.18	13.81	14.32	15.92
	8H	8.54	9.05	9.70	10.20	11.79	12.72	13.23	13.88	14.38	15.97
	12H	8.50	8.98	9.67	10.13	11.74	12.75	13.23	13.91	14.38	15.99
4H	2H	8.79	9.38	9.95	10.51	12.10	11.00	11.58	12.15	12.71	14.30
	3H	9.80	10.29	10.97	11.45	13.05	12.48	12.97	13.65	14.13	15.73
	4H	10.07	10.52	11.24	11.67	13.29	13.00	13.45	14.17	14.60	16.22
	6H	10.19	10.57	11.36	11.74	13.35	13.36	13.74	14.53	14.91	16.52
	8H	10.19	10.55	11.36	11.71	13.33	13.46	13.82	14.63	14.98	16.60
	12H	10.15	10.47	11.33	11.64	13.27	13.51	13.83	14.69	15.00	16.63
8H	4H	10.51	10.87	11.68	12.03	13.66	13.11	13.47	14.28	14.63	16.26
	6H	10.76	11.06	11.95	12.26	13.89	13.54	13.84	14.73	15.04	16.66
	8H	10.81	11.06	12.00	12.24	13.89	13.69	13.95	14.88	15.13	16.77
	12H	10.78	11.01	11.98	12.19	13.86	13.78	14.00	14.98	15.18	16.86
12H	4H	10.51	10.83	11.69	12.00	13.64	13.07	13.39	14.25	14.57	16.20
	6H	10.82	11.08	12.02	12.26	13.91	13.54	13.79	14.73	14.97	16.62
	8H	10.88	11.11	12.08	12.29	13.96	13.69	13.91	14.89	15.09	16.77