

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: P935475

Luminaire Tested: SQ4-FA-125U-050D-940-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935475
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-940-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

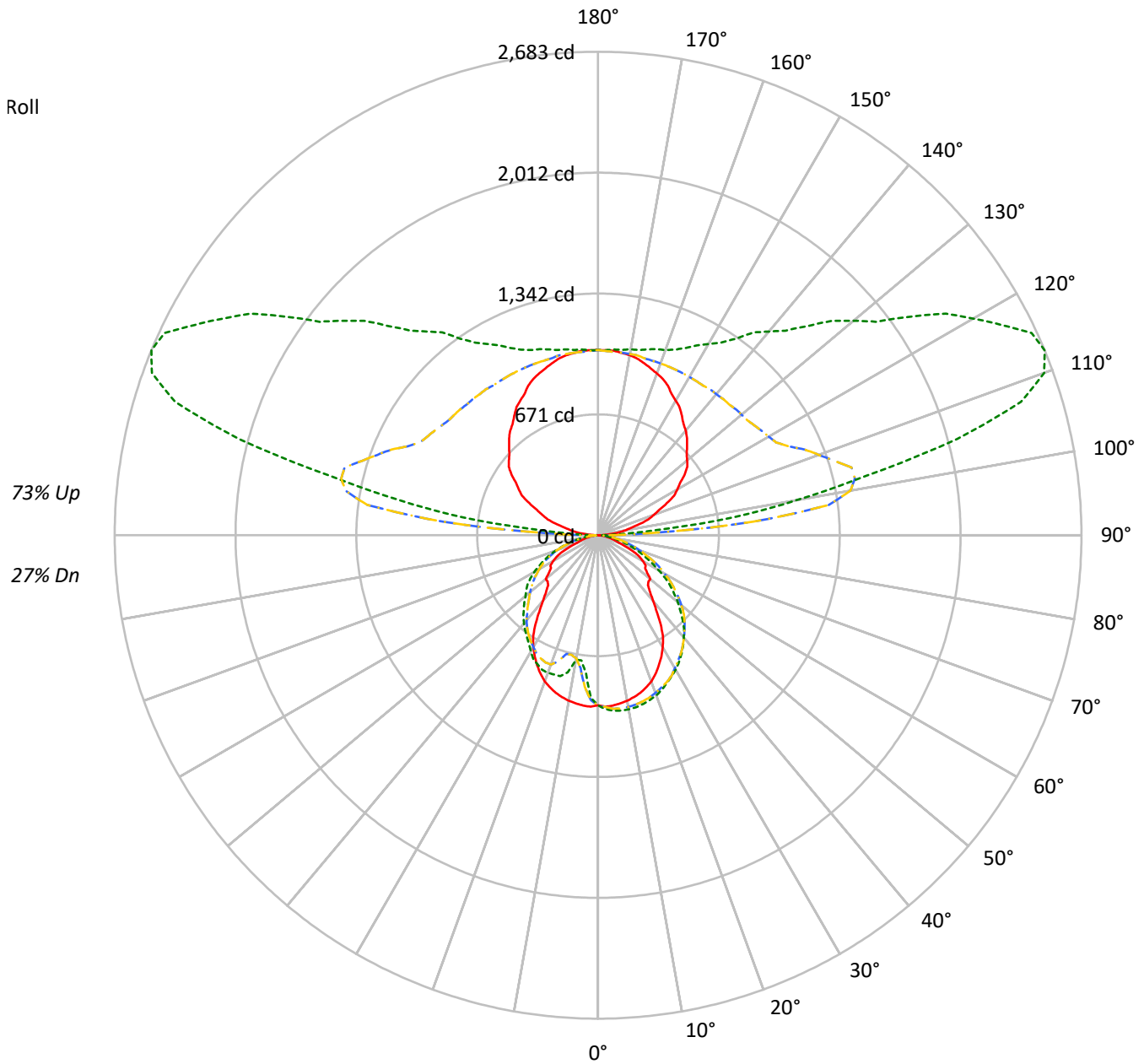
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9113.5 lumens
Efficiency: N/A
Efficacy: 127.6 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: P935475
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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°	5841	5841	5841	5841
5°	5883	5896	5883	4636
10°	5841	5808	5841	4153
15°	5775	5683	5775	4745
20°	5652	5533	5652	4755
25°	5403	5316	5403	4654
30°	5081	5136	5081	4433
35°	4528	4907	4528	4189
40°	3771	4639	3771	4006
45°	3367	4323	3367	3795
50°	3574	3949	3574	3583
55°	3359	3544	3359	3460
60°	3458	3010	3458	3169
65°	3132	2488	3132	2781
70°	2162	1983	2162	2331
75°	1890	1465	1890	1755
80°	1510	969	1510	1056
85°	853	513	853	437

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5164 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	0.9
10°-20°	242.0	2.7
20°-30°	374.1	4.1
30°-40°	446.6	4.9
40°-50°	449.2	4.9
50°-60°	390.9	4.3
60°-70°	277.1	3.0
70°-80°	146.6	1.6
80°-90°	40.4	0.4
90°-100°	500.9	5.5
100°-110°	1316.9	14.4
110°-120°	1365.4	15.0
120°-130°	1095.3	12.0
130°-140°	859.4	9.4
140°-150°	659.6	7.2
150°-160°	475.0	5.2
160°-170°	290.7	3.2
170°-180°	98.2	1.1
0°-30°	701.3	7.7
0°-40°	1147.9	12.6
0°-60°	1988.0	21.8
0°-90°	2452.1	26.9
90°-120°	3183.2	34.9
90°-150°	5797.5	63.6
90°-180°	6661.0	73.1
0°-180°	9113.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	944	944	944	944	944	
5°	949	978	949	769	949	90
15°	906	969	906	809	906	255
25°	798	904	798	792	798	366
35°	607	807	607	689	607	375
45°	391	665	391	583	391	313
55°	319	490	319	479	319	293
65°	222	296	222	330	222	212
75°	84	140	84	168	84	88
85°	14	36	14	30	14	19
90°	7	26	7	26	7	6
95°	66	303	66	303	66	74
105°	237	2062	237	2062	237	252
115°	421	2655	421	2655	421	416
125°	586	2114	586	2114	586	520
135°	699	1641	699	1641	699	541
145°	810	1331	810	1331	810	508
155°	916	1146	916	1146	916	421
165°	988	1068	988	1068	988	279
175°	1028	1034	1028	1034	1028	98
180°	1028	1028	1028	1028	1028	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2
2.5°	952.3	952.3	957.6	959.4	959.4	956.7	954.1	956.7	964.8	967.5	966.6
5°	948.7	955.8	965.7	967.5	969.3	968.4	966.6	968.4	977.2	979.1	980.0
7.5°	941.5	955.0	967.5	970.1	972.8	970.1	969.3	971.0	980.0	981.8	981.8
10°	932.6	951.4	965.7	967.5	970.1	967.5	967.5	971.0	980.0	981.8	982.7
12.5°	920.1	946.0	959.4	961.2	964.8	963.9	962.9	966.6	975.5	977.2	977.2
15°	905.8	936.2	948.7	950.5	956.7	955.0	955.0	958.5	968.4	971.0	970.1
17.5°	886.1	923.7	938.0	940.7	945.1	944.2	945.1	948.7	957.6	959.4	960.3
20°	863.8	906.7	923.7	926.4	930.8	930.8	930.8	935.3	944.2	947.8	947.8
22.5°	833.5	888.8	906.7	908.5	913.8	913.8	915.6	921.9	929.9	930.8	930.8
25°	797.7	869.2	884.4	889.8	895.1	897.8	900.4	904.1	906.7	905.8	906.7
27.5°	760.2	844.1	863.8	867.4	874.6	877.3	880.8	881.7	882.6	885.2	883.5
30°	718.2	809.3	838.8	842.4	854.0	855.8	852.2	854.0	858.4	860.3	862.1
32.5°	670.9	757.6	812.9	821.0	831.7	826.3	825.4	828.1	835.3	835.3	837.0
35°	606.6	717.3	788.8	795.9	804.0	797.7	801.3	802.2	806.7	809.3	808.4
37.5°	536.0	682.5	763.8	769.1	775.4	767.3	772.7	775.4	779.0	777.2	777.2
40°	473.5	628.0	734.3	737.8	743.3	737.0	742.4	744.1	745.9	744.1	743.3
42.5°	427.0	568.1	703.0	707.5	703.9	708.4	710.2	713.8	711.1	707.5	707.5
45°	391.3	552.1	669.1	674.4	669.1	676.2	678.9	678.9	670.9	669.1	668.2
47.5°	379.6	519.9	635.2	635.2	632.4	641.4	645.8	639.6	631.5	628.9	628.9
50°	378.7	484.1	588.7	585.1	597.6	608.4	603.8	597.6	591.4	581.6	581.6
52.5°	343.9	440.4	528.8	542.2	561.9	568.1	561.0	554.7	544.0	539.5	536.0
55°	318.9	394.8	474.4	501.2	521.7	529.7	516.4	510.1	494.0	491.3	489.6
57.5°	313.6	328.7	424.3	458.3	483.2	482.4	474.4	462.7	449.3	446.7	445.8
60°	287.6	237.6	370.7	411.0	436.8	434.1	427.0	416.3	403.8	402.0	400.2
62.5°	260.8	172.4	310.0	355.6	392.1	391.3	385.0	369.0	360.0	355.6	352.0
65°	221.6	144.7	220.7	295.7	348.4	350.1	336.8	325.2	315.3	310.0	309.1
67.5°	168.8	117.9	149.2	246.6	306.4	304.6	287.6	282.3	269.8	267.1	261.8
70°	125.0	78.6	103.6	200.1	265.3	260.8	247.5	241.2	229.5	223.3	219.8
72.5°	103.6	63.4	75.9	155.4	223.3	218.0	206.4	199.2	189.4	184.0	180.4
75°	84.0	67.0	58.1	115.3	181.3	177.8	167.0	159.9	151.8	144.7	145.6
77.5°	61.6	62.5	46.4	84.9	143.9	138.4	132.2	123.3	119.7	112.6	112.6
80°	46.4	49.1	34.8	58.1	103.6	103.6	98.3	92.0	85.8	82.2	82.2
82.5°	31.3	31.3	25.9	36.6	70.6	67.9	64.3	62.5	59.0	57.2	57.2
85°	14.3	17.8	16.1	22.3	38.5	40.2	40.2	38.5	37.6	35.7	36.6
87.5°	4.4	8.1	9.9	12.5	19.6	20.5	21.4	21.4	21.4	22.3	22.3
90°	6.9	12.4	17.9	19.3	30.3	45.0	52.4	46.5	34.9	26.2	26.2
92.5°	27.6	74.5	121.4	133.1	187.1	259.1	295.2	258.7	185.8	131.1	125.8
95°	66.2	152.0	237.8	259.3	460.4	728.7	862.8	769.9	584.1	444.8	429.0
97.5°	114.5	190.1	265.9	284.8	620.2	1067.5	1291.1	1232.4	1115.0	1026.9	996.9
100°	151.8	220.4	289.0	306.2	678.3	1174.6	1422.8	1427.0	1435.6	1442.0	1406.2
102.5°	183.5	247.5	311.6	327.6	705.1	1208.3	1460.0	1534.7	1684.4	1796.5	1765.9
105°	237.3	291.5	345.7	359.3	724.8	1212.2	1455.9	1623.5	1958.8	2210.3	2193.8
107.5°	292.4	342.9	393.6	406.2	728.5	1158.2	1373.1	1607.0	2074.7	2425.5	2429.5
110°	329.6	375.3	420.9	432.4	722.9	1110.4	1304.1	1565.5	2088.5	2480.7	2497.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	366.2	409.7	453.2	464.2	723.2	1068.6	1241.3	1508.9	2044.1	2445.5	2471.8
115°	421.4	461.5	501.7	511.8	729.9	1020.8	1166.2	1424.0	1939.6	2326.2	2362.8
117.5°	475.9	512.4	548.8	557.9	743.4	990.7	1114.4	1347.1	1812.4	2161.4	2201.9
120°	507.6	541.9	576.2	584.8	754.4	980.6	1093.7	1306.3	1731.4	2050.3	2089.7
122.5°	538.7	573.3	607.9	616.5	770.3	975.4	1077.9	1269.4	1652.2	1939.3	1978.1
125°	586.2	617.8	649.3	657.2	791.7	971.0	1060.7	1223.3	1548.5	1792.4	1828.2
127.5°	624.8	656.7	688.6	696.5	813.1	968.5	1046.2	1185.8	1465.1	1674.5	1704.7
130°	645.5	679.9	714.1	722.7	828.7	970.0	1040.6	1165.0	1413.5	1600.0	1627.9
132.5°	666.9	701.3	735.5	744.1	841.4	971.0	1035.9	1147.1	1369.7	1536.5	1561.5
135°	698.6	729.8	761.1	768.9	855.1	970.1	1027.6	1120.7	1307.1	1446.9	1468.4
137.5°	731.0	762.0	793.0	800.7	875.8	976.1	1026.2	1104.9	1262.5	1380.7	1398.2
140°	757.9	786.4	814.9	822.0	888.4	977.1	1021.4	1089.4	1225.5	1327.6	1344.1
142.5°	778.6	805.0	831.3	837.9	899.1	980.6	1021.4	1081.1	1200.7	1290.4	1304.6
145°	810.3	833.3	856.3	862.1	912.9	980.6	1014.5	1063.4	1161.1	1234.5	1245.2
147.5°	842.1	864.5	886.8	892.4	933.1	987.4	1014.5	1052.9	1129.9	1187.6	1196.5
150°	862.8	883.0	903.2	908.2	943.7	990.8	1014.5	1047.0	1112.0	1160.7	1167.9
152.5°	884.1	899.5	914.8	918.6	950.6	993.1	1014.5	1042.2	1097.7	1139.3	1144.7
155°	915.9	927.2	938.5	941.4	965.7	998.2	1014.5	1036.6	1080.7	1113.8	1117.5
157.5°	939.3	950.3	961.3	964.1	980.9	1003.3	1014.5	1031.6	1066.0	1091.7	1094.2
160°	955.1	963.7	972.4	974.5	987.8	1005.6	1014.5	1029.2	1058.6	1080.7	1082.1
162.5°	971.0	977.4	983.9	985.5	995.2	1008.1	1014.5	1026.9	1051.7	1070.3	1071.7
165°	988.3	994.1	1000.0	1001.4	1005.7	1011.5	1014.5	1023.3	1041.2	1054.5	1055.9
167.5°	1004.2	1006.9	1009.7	1010.4	1014.0	1018.9	1021.4	1027.2	1038.9	1047.6	1048.2
170°	1014.5	1017.2	1020.0	1020.7	1020.9	1021.2	1021.4	1027.2	1038.9	1047.6	1047.6
172.5°	1020.0	1020.6	1021.2	1021.4	1021.4	1021.4	1021.4	1026.0	1035.1	1042.1	1041.5
175°	1027.6	1027.6	1027.6	1027.6	1025.6	1022.8	1021.4	1024.3	1030.2	1034.5	1034.5
177.5°	1027.6	1027.6	1027.6	1027.6	1026.0	1023.8	1022.7	1025.0	1029.6	1033.1	1032.5
180°	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2
2.5°	968.4	965.7	968.4	966.6	967.5	964.8	956.7	954.1	956.7	959.4	959.4
5°	980.0	978.1	980.0	980.0	979.1	977.2	968.4	966.6	968.4	969.3	967.5
7.5°	983.5	980.9	983.5	981.8	981.8	980.0	971.0	969.3	970.1	972.8	970.1
10°	983.5	980.9	983.5	982.7	981.8	980.0	971.0	967.5	967.5	970.1	967.5
12.5°	979.1	977.2	979.1	977.2	977.2	975.5	966.6	962.9	963.9	964.8	961.2
15°	971.9	969.3	971.9	970.1	971.0	968.4	958.5	955.0	955.0	956.7	950.5
17.5°	961.2	957.6	961.2	960.3	959.4	957.6	948.7	945.1	944.2	945.1	940.7
20°	948.7	946.0	948.7	947.8	947.8	944.2	935.3	930.8	930.8	930.8	926.4
22.5°	929.0	926.4	929.0	930.8	930.8	929.9	921.9	915.6	913.8	913.8	908.5
25°	906.7	904.1	906.7	906.7	905.8	906.7	904.1	900.4	897.8	895.1	889.8
27.5°	885.2	883.5	885.2	883.5	885.2	882.6	881.7	880.8	877.3	874.6	867.4
30°	863.8	862.1	863.8	862.1	860.3	858.4	854.0	852.2	855.8	854.0	842.4
32.5°	837.0	835.3	837.0	837.0	835.3	835.3	828.1	825.4	826.3	831.7	821.0
35°	809.3	806.7	809.3	808.4	809.3	806.7	802.2	801.3	797.7	804.0	795.9
37.5°	777.2	774.5	777.2	777.2	777.2	779.0	775.4	772.7	767.3	775.4	769.1
40°	744.1	740.6	744.1	743.3	744.1	745.9	744.1	742.4	737.0	743.3	737.8
42.5°	706.6	705.7	706.6	707.5	707.5	711.1	713.8	710.2	708.4	703.9	707.5
45°	666.4	664.6	666.4	668.2	669.1	670.9	678.9	678.9	676.2	669.1	674.4
47.5°	623.6	619.0	623.6	628.9	628.9	631.5	639.6	645.8	641.4	632.4	635.2
50°	578.0	578.9	578.0	581.6	581.6	591.4	597.6	603.8	608.4	597.6	585.1
52.5°	533.3	532.4	533.3	536.0	539.5	544.0	554.7	561.0	568.1	561.9	542.2
55°	488.7	490.4	488.7	489.6	491.3	494.0	510.1	516.4	529.7	521.7	501.2
57.5°	444.0	441.3	444.0	445.8	446.7	449.3	462.7	474.4	482.4	483.2	458.3
60°	392.1	388.6	392.1	400.2	402.0	403.8	416.3	427.0	434.1	436.8	411.0
62.5°	346.6	340.4	346.6	352.0	355.6	360.0	369.0	385.0	391.3	392.1	355.6
65°	298.4	295.7	298.4	309.1	310.0	315.3	325.2	336.8	350.1	348.4	295.7
67.5°	254.6	254.6	254.6	261.8	267.1	269.8	282.3	287.6	304.6	306.4	246.6
70°	214.4	213.5	214.4	219.8	223.3	229.5	241.2	247.5	260.8	265.3	200.1
72.5°	176.0	175.1	176.0	180.4	184.0	189.4	199.2	206.4	218.0	223.3	155.4
75°	142.1	140.2	142.1	145.6	144.7	151.8	159.9	167.0	177.8	181.3	115.3
77.5°	109.0	109.0	109.0	112.6	112.6	119.7	123.3	132.2	138.4	143.9	84.9
80°	81.3	80.4	81.3	82.2	82.2	85.8	92.0	98.3	103.6	103.6	58.1
82.5°	57.2	55.4	57.2	57.2	57.2	59.0	62.5	64.3	67.9	70.6	36.6
85°	35.7	35.7	35.7	36.6	35.7	37.6	38.5	40.2	40.2	38.5	22.3
87.5°	23.3	22.3	23.3	22.3	22.3	21.4	21.4	21.4	20.5	19.6	12.5
90°	26.2	26.2	26.2	26.2	26.2	34.9	46.5	52.4	45.0	30.3	19.3
92.5°	105.0	84.1	105.0	125.8	131.1	185.8	258.7	295.2	259.1	187.1	133.1
95°	365.9	302.7	365.9	429.0	444.8	584.1	769.9	862.8	728.7	460.4	259.3
97.5°	876.7	756.6	876.7	996.9	1026.9	1115.0	1232.4	1291.1	1067.5	620.2	284.8
100°	1263.2	1120.0	1263.2	1406.2	1442.0	1435.6	1427.0	1422.8	1174.6	678.3	306.2
102.5°	1643.2	1520.7	1643.2	1765.9	1796.5	1684.4	1534.7	1460.0	1208.3	705.1	327.6
105°	2127.9	2062.0	2127.9	2193.8	2210.3	1958.8	1623.5	1455.9	1212.2	724.8	359.3
107.5°	2445.4	2461.4	2445.4	2429.5	2425.5	2074.7	1607.0	1373.1	1158.2	728.5	406.2
110°	2566.5	2635.1	2566.5	2497.9	2480.7	2088.5	1565.5	1304.1	1110.4	722.9	432.4



TEST NUMBER: P935475

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2577.2	2682.7	2577.2	2471.8	2445.5	2044.1	1508.9	1241.3	1068.6	723.2	464.2
115°	2509.0	2655.1	2509.0	2362.8	2326.2	1939.6	1424.0	1166.2	1020.8	729.9	511.8
117.5°	2364.0	2526.2	2364.0	2201.9	2161.4	1812.4	1347.1	1114.4	990.7	743.4	557.9
120°	2247.3	2404.8	2247.3	2089.7	2050.3	1731.4	1306.3	1093.7	980.6	754.4	584.8
122.5°	2133.5	2288.9	2133.5	1978.1	1939.3	1652.2	1269.4	1077.9	975.4	770.3	616.5
125°	1971.4	2114.5	1971.4	1828.2	1792.4	1548.5	1223.3	1060.7	971.0	791.7	657.2
127.5°	1825.5	1946.2	1825.5	1704.7	1674.5	1465.1	1185.8	1046.2	968.5	813.1	696.5
130°	1739.5	1851.0	1739.5	1627.9	1600.0	1413.5	1165.0	1040.6	970.0	828.7	722.7
132.5°	1661.4	1761.3	1661.4	1561.5	1536.5	1369.7	1147.1	1035.9	971.0	841.4	744.1
135°	1554.5	1640.7	1554.5	1468.4	1446.9	1307.1	1120.7	1027.6	970.1	855.1	768.9
137.5°	1468.8	1539.3	1468.8	1398.2	1380.7	1262.5	1104.9	1026.2	976.1	875.8	800.7
140°	1410.0	1475.9	1410.0	1344.1	1327.6	1225.5	1089.4	1021.4	977.1	888.4	822.0
142.5°	1361.2	1418.0	1361.2	1304.6	1290.4	1200.7	1081.1	1021.4	980.6	899.1	837.9
145°	1288.1	1331.0	1288.1	1245.2	1234.5	1161.1	1063.4	1014.5	980.6	912.9	862.1
147.5°	1232.1	1267.6	1232.1	1196.5	1187.6	1129.9	1052.9	1014.5	987.4	933.1	892.4
150°	1196.8	1225.5	1196.8	1167.9	1160.7	1112.0	1047.0	1014.5	990.8	943.7	908.2
152.5°	1166.5	1188.2	1166.5	1144.7	1139.3	1097.7	1042.2	1014.5	993.1	950.6	918.6
155°	1131.8	1146.2	1131.8	1117.5	1113.8	1080.7	1036.6	1014.5	998.2	965.7	941.4
157.5°	1104.3	1114.4	1104.3	1094.2	1091.7	1066.0	1031.6	1014.5	1003.3	980.9	964.1
160°	1088.0	1093.7	1088.0	1082.1	1080.7	1058.6	1029.2	1014.5	1005.6	987.8	974.5
162.5°	1077.2	1082.7	1077.2	1071.7	1070.3	1051.7	1026.9	1014.5	1008.1	995.2	985.5
165°	1061.8	1067.6	1061.8	1055.9	1054.5	1041.2	1023.3	1014.5	1011.5	1005.7	1001.4
167.5°	1050.6	1053.1	1050.6	1048.2	1047.6	1038.9	1027.2	1021.4	1018.9	1014.0	1010.4
170°	1047.6	1047.6	1047.6	1047.6	1047.6	1038.9	1027.2	1021.4	1021.2	1020.9	1020.7
172.5°	1039.4	1037.3	1039.4	1041.5	1042.1	1035.1	1026.0	1021.4	1021.4	1021.4	1021.4
175°	1034.5	1034.5	1034.5	1034.5	1034.5	1030.2	1024.3	1021.4	1022.8	1025.6	1027.6
177.5°	1030.1	1027.6	1030.1	1032.5	1033.1	1029.6	1025.0	1022.7	1023.8	1026.0	1027.6
180°	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6



TEST NUMBER: P935475
 CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2
2.5°	957.6	952.3	952.3	943.3	939.8	937.1	932.6	919.3	915.6	912.1	917.4
5°	965.7	955.8	948.7	932.6	919.3	913.8	896.9	864.7	843.2	827.2	818.3
7.5°	967.5	955.0	941.5	916.5	884.4	870.1	818.3	759.3	743.3	729.0	720.0
10°	965.7	951.4	932.6	895.1	819.2	794.1	742.4	703.9	694.1	691.4	694.1
12.5°	959.4	946.0	920.1	857.5	751.2	734.3	703.9	681.6	679.8	684.3	708.4
15°	948.7	936.2	905.8	807.5	713.8	701.3	679.8	671.8	681.6	712.9	785.3
17.5°	938.0	923.7	886.1	758.4	685.2	676.2	661.0	677.1	732.5	774.5	798.6
20°	923.7	906.7	863.8	722.7	664.6	656.6	649.4	721.8	763.8	779.0	792.4
22.5°	906.7	888.8	833.5	697.7	643.2	637.0	641.4	746.8	763.8	774.5	786.1
25°	884.4	869.2	797.7	678.0	626.2	619.0	636.1	744.1	753.9	756.7	779.8
27.5°	863.8	844.1	760.2	660.1	605.7	603.0	640.5	732.5	739.7	742.4	767.3
30°	838.8	809.3	718.2	641.4	584.2	583.3	641.4	718.2	716.4	723.5	748.6
32.5°	812.9	757.6	670.9	618.1	563.7	562.8	635.2	696.8	695.0	704.8	723.5
35°	788.8	717.3	606.6	591.4	537.8	538.7	619.9	671.8	672.7	681.6	693.2
37.5°	763.8	682.5	536.0	561.9	512.7	512.7	599.4	648.5	646.7	649.4	665.6
40°	734.3	628.0	473.5	523.5	489.6	486.9	574.4	623.6	617.2	616.4	638.7
42.5°	703.0	568.1	427.0	472.6	462.7	459.2	544.0	593.2	581.6	584.2	612.8
45°	669.1	552.1	391.3	399.3	435.0	432.4	511.0	558.3	550.3	557.4	586.9
47.5°	635.2	519.9	379.6	331.4	405.5	404.7	474.4	524.4	519.9	527.0	558.3
50°	588.7	484.1	378.7	284.1	372.5	376.1	430.6	491.3	491.3	497.5	530.7
52.5°	528.8	440.4	343.9	257.3	334.1	344.8	392.1	462.7	464.5	470.8	500.2
55°	474.4	394.8	318.9	236.7	288.5	311.8	354.7	433.3	436.8	443.1	469.8
57.5°	424.3	328.7	313.6	212.6	246.6	268.9	321.6	404.7	406.4	411.9	437.7
60°	370.7	237.6	287.6	186.7	209.9	226.9	291.2	370.7	377.0	380.5	402.9
62.5°	310.0	172.4	260.8	168.8	192.1	195.6	266.2	338.6	346.6	349.3	362.7
65°	220.7	144.7	221.6	153.6	173.3	174.2	239.4	305.5	312.7	317.1	327.0
67.5°	149.2	117.9	168.8	139.3	159.0	159.9	213.5	267.1	277.0	280.5	286.7
70°	103.6	78.6	125.0	124.1	143.0	144.7	185.8	232.3	241.2	243.8	247.5
72.5°	75.9	63.4	103.6	111.6	125.9	127.8	157.3	193.0	201.9	204.6	206.4
75°	58.1	67.0	84.0	97.4	107.2	108.1	128.7	157.3	163.5	165.3	166.1
77.5°	46.4	62.5	61.6	78.6	87.6	85.8	101.0	121.5	126.8	126.8	126.8
80°	34.8	49.1	46.4	56.3	64.3	62.5	72.4	86.7	88.4	90.2	89.3
82.5°	25.9	31.3	31.3	35.7	42.9	41.1	48.2	56.3	56.3	56.3	58.1
85°	16.1	17.8	14.3	18.7	24.2	23.3	26.8	30.4	31.3	31.3	29.5
87.5°	9.9	8.1	4.4	7.1	10.7	10.7	12.5	13.4	12.5	12.5	12.5
90°	17.9	12.4	6.9	12.4	17.9	19.3	30.3	45.0	52.4	46.5	34.9
92.5°	121.4	74.5	27.6	74.5	121.4	133.1	187.1	259.1	295.2	258.7	185.8
95°	237.8	152.0	66.2	152.0	237.8	259.3	460.4	728.7	862.8	769.9	584.1
97.5°	265.9	190.1	114.5	190.1	265.9	284.8	620.2	1067.5	1291.1	1232.4	1115.0
100°	289.0	220.4	151.8	220.4	289.0	306.2	678.3	1174.6	1422.8	1427.0	1435.6
102.5°	311.6	247.5	183.5	247.5	311.6	327.6	705.1	1208.3	1460.0	1534.7	1684.4
105°	345.7	291.5	237.3	291.5	345.7	359.3	724.8	1212.2	1455.9	1623.5	1958.8
107.5°	393.6	342.9	292.4	342.9	393.6	406.2	728.5	1158.2	1373.1	1607.0	2074.7
110°	420.9	375.3	329.6	375.3	420.9	432.4	722.9	1110.4	1304.1	1565.5	2088.5



TEST NUMBER: P935475

CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	453.2	409.7	366.2	409.7	453.2	464.2	723.2	1068.6	1241.3	1508.9	2044.1
115°	501.7	461.5	421.4	461.5	501.7	511.8	729.9	1020.8	1166.2	1424.0	1939.6
117.5°	548.8	512.4	475.9	512.4	548.8	557.9	743.4	990.7	1114.4	1347.1	1812.4
120°	576.2	541.9	507.6	541.9	576.2	584.8	754.4	980.6	1093.7	1306.3	1731.4
122.5°	607.9	573.3	538.7	573.3	607.9	616.5	770.3	975.4	1077.9	1269.4	1652.2
125°	649.3	617.8	586.2	617.8	649.3	657.2	791.7	971.0	1060.7	1223.3	1548.5
127.5°	688.6	656.7	624.8	656.7	688.6	696.5	813.1	968.5	1046.2	1185.8	1465.1
130°	714.1	679.9	645.5	679.9	714.1	722.7	828.7	970.0	1040.6	1165.0	1413.5
132.5°	735.5	701.3	666.9	701.3	735.5	744.1	841.4	971.0	1035.9	1147.1	1369.7
135°	761.1	729.8	698.6	729.8	761.1	768.9	855.1	970.1	1027.6	1120.7	1307.1
137.5°	793.0	762.0	731.0	762.0	793.0	800.7	875.8	976.1	1026.2	1104.9	1262.5
140°	814.9	786.4	757.9	786.4	814.9	822.0	888.4	977.1	1021.4	1089.4	1225.5
142.5°	831.3	805.0	778.6	805.0	831.3	837.9	899.1	980.6	1021.4	1081.1	1200.7
145°	856.3	833.3	810.3	833.3	856.3	862.1	912.9	980.6	1014.5	1063.4	1161.1
147.5°	886.8	864.5	842.1	864.5	886.8	892.4	933.1	987.4	1014.5	1052.9	1129.9
150°	903.2	883.0	862.8	883.0	903.2	908.2	943.7	990.8	1014.5	1047.0	1112.0
152.5°	914.8	899.5	884.1	899.5	914.8	918.6	950.6	993.1	1014.5	1042.2	1097.7
155°	938.5	927.2	915.9	927.2	938.5	941.4	965.7	998.2	1014.5	1036.6	1080.7
157.5°	961.3	950.3	939.3	950.3	961.3	964.1	980.9	1003.3	1014.5	1031.6	1066.0
160°	972.4	963.7	955.1	963.7	972.4	974.5	987.8	1005.6	1014.5	1029.2	1058.6
162.5°	983.9	977.4	971.0	977.4	983.9	985.5	995.2	1008.1	1014.5	1026.9	1051.7
165°	1000.0	994.1	988.3	994.1	1000.0	1001.4	1005.7	1011.5	1014.5	1023.3	1041.2
167.5°	1009.7	1006.9	1004.2	1006.9	1009.7	1010.4	1014.0	1018.9	1021.4	1027.2	1038.9
170°	1020.0	1017.2	1014.5	1017.2	1020.0	1020.7	1020.9	1021.2	1021.4	1027.2	1038.9
172.5°	1021.2	1020.6	1020.0	1020.6	1021.2	1021.4	1021.4	1021.4	1021.4	1026.0	1035.1
175°	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1025.6	1022.8	1021.4	1024.3	1030.2
177.5°	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1026.0	1023.8	1022.7	1025.0	1029.6
180°	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6



TEST NUMBER: P935475
 CATALOG NUMBER: SQ4-FA-125U-050D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2
2.5°	911.2	908.5	912.1	902.2	912.1	908.5	911.2	917.4	912.1	915.6	919.3
5°	799.6	795.0	780.7	769.1	780.7	795.0	799.6	818.3	827.2	843.2	864.7
7.5°	714.7	711.1	707.5	700.4	707.5	711.1	714.7	720.0	729.0	743.3	759.3
10°	695.9	696.8	702.1	701.3	702.1	696.8	695.9	694.1	691.4	694.1	703.9
12.5°	744.1	752.1	781.6	779.8	781.6	752.1	744.1	708.4	684.3	679.8	681.6
15°	799.6	802.2	808.4	809.3	808.4	802.2	799.6	785.3	712.9	681.6	671.8
17.5°	804.9	805.8	810.2	810.2	810.2	805.8	804.9	798.6	774.5	732.5	677.1
20°	800.4	802.2	811.1	812.9	811.1	802.2	800.4	792.4	779.0	763.8	721.8
22.5°	798.6	802.2	809.3	808.4	809.3	802.2	798.6	786.1	774.5	763.8	746.8
25°	789.7	789.7	790.6	791.5	790.6	789.7	789.7	779.8	756.7	753.9	744.1
27.5°	771.0	772.7	778.1	777.2	778.1	772.7	771.0	767.3	742.4	739.7	732.5
30°	753.9	752.1	747.7	744.1	747.7	752.1	753.9	748.6	723.5	716.4	718.2
32.5°	725.4	720.9	716.4	713.8	716.4	720.9	725.4	723.5	704.8	695.0	696.8
35°	691.4	692.3	691.4	688.7	691.4	692.3	691.4	693.2	681.6	672.7	671.8
37.5°	667.3	669.1	668.2	664.6	668.2	669.1	667.3	665.6	649.4	646.7	648.5
40°	642.3	643.2	642.3	639.6	642.3	643.2	642.3	638.7	616.4	617.2	623.6
42.5°	618.1	617.2	614.6	612.8	614.6	617.2	618.1	612.8	584.2	581.6	593.2
45°	590.5	591.4	586.0	583.3	586.0	591.4	590.5	586.9	557.4	550.3	558.3
47.5°	562.8	562.8	558.3	555.6	558.3	562.8	562.8	558.3	527.0	519.9	524.4
50°	533.3	532.4	526.1	525.3	526.1	532.4	533.3	530.7	497.5	491.3	491.3
52.5°	499.3	499.3	500.2	502.1	500.2	499.3	499.3	500.2	470.8	464.5	462.7
55°	469.8	470.8	477.0	478.8	477.0	470.8	469.8	469.8	443.1	436.8	433.3
57.5°	439.5	439.5	444.0	444.0	444.0	439.5	439.5	437.7	411.9	406.4	404.7
60°	404.7	406.4	410.0	409.1	410.0	406.4	404.7	402.9	380.5	377.0	370.7
62.5°	368.1	369.9	370.7	369.0	370.7	369.9	368.1	362.7	349.3	346.6	338.6
65°	329.6	331.4	332.3	330.5	332.3	331.4	329.6	327.0	317.1	312.7	305.5
67.5°	290.3	289.4	288.5	292.2	288.5	289.4	290.3	286.7	280.5	277.0	267.1
70°	250.1	250.1	249.3	251.0	249.3	250.1	250.1	247.5	243.8	241.2	232.3
72.5°	207.3	206.4	209.9	207.3	209.9	206.4	207.3	206.4	204.6	201.9	193.0
75°	165.3	167.0	165.3	167.9	165.3	167.0	165.3	166.1	165.3	163.5	157.3
77.5°	125.9	127.8	125.9	125.9	125.9	127.8	125.9	126.8	126.8	126.8	121.5
80°	89.3	88.4	88.4	87.6	88.4	88.4	89.3	89.3	90.2	88.4	86.7
82.5°	57.2	56.3	56.3	58.1	56.3	56.3	57.2	58.1	56.3	56.3	56.3
85°	31.3	32.1	30.4	30.4	30.4	32.1	31.3	29.5	31.3	31.3	30.4
87.5°	11.6	10.7	10.7	10.7	10.7	10.7	11.6	12.5	12.5	12.5	13.4
90°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	34.9	46.5	52.4	45.0
92.5°	131.1	125.8	105.0	84.1	105.0	125.8	131.1	185.8	258.7	295.2	259.1
95°	444.8	429.0	365.9	302.7	365.9	429.0	444.8	584.1	769.9	862.8	728.7
97.5°	1026.9	996.9	876.7	756.6	876.7	996.9	1026.9	1115.0	1232.4	1291.1	1067.5
100°	1442.0	1406.2	1263.2	1120.0	1263.2	1406.2	1442.0	1435.6	1427.0	1422.8	1174.6
102.5°	1796.5	1765.9	1643.2	1520.7	1643.2	1765.9	1796.5	1684.4	1534.7	1460.0	1208.3
105°	2210.3	2193.8	2127.9	2062.0	2127.9	2193.8	2210.3	1958.8	1623.5	1455.9	1212.2
107.5°	2425.5	2429.5	2445.4	2461.4	2445.4	2429.5	2425.5	2074.7	1607.0	1373.1	1158.2
110°	2480.7	2497.9	2566.5	2635.1	2566.5	2497.9	2480.7	2088.5	1565.5	1304.1	1110.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2445.5	2471.8	2577.2	2682.7	2577.2	2471.8	2445.5	2044.1	1508.9	1241.3	1068.6
115°	2326.2	2362.8	2509.0	2655.1	2509.0	2362.8	2326.2	1939.6	1424.0	1166.2	1020.8
117.5°	2161.4	2201.9	2364.0	2526.2	2364.0	2201.9	2161.4	1812.4	1347.1	1114.4	990.7
120°	2050.3	2089.7	2247.3	2404.8	2247.3	2089.7	2050.3	1731.4	1306.3	1093.7	980.6
122.5°	1939.3	1978.1	2133.5	2288.9	2133.5	1978.1	1939.3	1652.2	1269.4	1077.9	975.4
125°	1792.4	1828.2	1971.4	2114.5	1971.4	1828.2	1792.4	1548.5	1223.3	1060.7	971.0
127.5°	1674.5	1704.7	1825.5	1946.2	1825.5	1704.7	1674.5	1465.1	1185.8	1046.2	968.5
130°	1600.0	1627.9	1739.5	1851.0	1739.5	1627.9	1600.0	1413.5	1165.0	1040.6	970.0
132.5°	1536.5	1561.5	1661.4	1761.3	1661.4	1561.5	1536.5	1369.7	1147.1	1035.9	971.0
135°	1446.9	1468.4	1554.5	1640.7	1554.5	1468.4	1446.9	1307.1	1120.7	1027.6	970.1
137.5°	1380.7	1398.2	1468.8	1539.3	1468.8	1398.2	1380.7	1262.5	1104.9	1026.2	976.1
140°	1327.6	1344.1	1410.0	1475.9	1410.0	1344.1	1327.6	1225.5	1089.4	1021.4	977.1
142.5°	1290.4	1304.6	1361.2	1418.0	1361.2	1304.6	1290.4	1200.7	1081.1	1021.4	980.6
145°	1234.5	1245.2	1288.1	1331.0	1288.1	1245.2	1234.5	1161.1	1063.4	1014.5	980.6
147.5°	1187.6	1196.5	1232.1	1267.6	1232.1	1196.5	1187.6	1129.9	1052.9	1014.5	987.4
150°	1160.7	1167.9	1196.8	1225.5	1196.8	1167.9	1160.7	1112.0	1047.0	1014.5	990.8
152.5°	1139.3	1144.7	1166.5	1188.2	1166.5	1144.7	1139.3	1097.7	1042.2	1014.5	993.1
155°	1113.8	1117.5	1131.8	1146.2	1131.8	1117.5	1113.8	1080.7	1036.6	1014.5	998.2
157.5°	1091.7	1094.2	1104.3	1114.4	1104.3	1094.2	1091.7	1066.0	1031.6	1014.5	1003.3
160°	1080.7	1082.1	1088.0	1093.7	1088.0	1082.1	1080.7	1058.6	1029.2	1014.5	1005.6
162.5°	1070.3	1071.7	1077.2	1082.7	1077.2	1071.7	1070.3	1051.7	1026.9	1014.5	1008.1
165°	1054.5	1055.9	1061.8	1067.6	1061.8	1055.9	1054.5	1041.2	1023.3	1014.5	1011.5
167.5°	1047.6	1048.2	1050.6	1053.1	1050.6	1048.2	1047.6	1038.9	1027.2	1021.4	1018.9
170°	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6	1047.6	1038.9	1027.2	1021.4	1021.2
172.5°	1042.1	1041.5	1039.4	1037.3	1039.4	1041.5	1042.1	1035.1	1026.0	1021.4	1021.4
175°	1034.5	1034.5	1034.5	1034.5	1034.5	1034.5	1034.5	1030.2	1024.3	1021.4	1022.8
177.5°	1033.1	1032.5	1030.1	1027.6	1030.1	1032.5	1033.1	1029.6	1025.0	1022.7	1023.8
180°	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6	1027.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	944.2	944.2	944.2	944.2	944.2
2.5°	932.6	937.1	939.8	943.3	952.3
5°	896.9	913.8	919.3	932.6	948.7
7.5°	818.3	870.1	884.4	916.5	941.5
10°	742.4	794.1	819.2	895.1	932.6
12.5°	703.9	734.3	751.2	857.5	920.1
15°	679.8	701.3	713.8	807.5	905.8
17.5°	661.0	676.2	685.2	758.4	886.1
20°	649.4	656.6	664.6	722.7	863.8
22.5°	641.4	637.0	643.2	697.7	833.5
25°	636.1	619.0	626.2	678.0	797.7
27.5°	640.5	603.0	605.7	660.1	760.2
30°	641.4	583.3	584.2	641.4	718.2
32.5°	635.2	562.8	563.7	618.1	670.9
35°	619.9	538.7	537.8	591.4	606.6
37.5°	599.4	512.7	512.7	561.9	536.0
40°	574.4	486.9	489.6	523.5	473.5
42.5°	544.0	459.2	462.7	472.6	427.0
45°	511.0	432.4	435.0	399.3	391.3
47.5°	474.4	404.7	405.5	331.4	379.6
50°	430.6	376.1	372.5	284.1	378.7
52.5°	392.1	344.8	334.1	257.3	343.9
55°	354.7	311.8	288.5	236.7	318.9
57.5°	321.6	268.9	246.6	212.6	313.6
60°	291.2	226.9	209.9	186.7	287.6
62.5°	266.2	195.6	192.1	168.8	260.8
65°	239.4	174.2	173.3	153.6	221.6
67.5°	213.5	159.9	159.0	139.3	168.8
70°	185.8	144.7	143.0	124.1	125.0
72.5°	157.3	127.8	125.9	111.6	103.6
75°	128.7	108.1	107.2	97.4	84.0
77.5°	101.0	85.8	87.6	78.6	61.6
80°	72.4	62.5	64.3	56.3	46.4
82.5°	48.2	41.1	42.9	35.7	31.3
85°	26.8	23.3	24.2	18.7	14.3
87.5°	12.5	10.7	10.7	7.1	4.4
90°	30.3	19.3	17.9	12.4	6.9
92.5°	187.1	133.1	121.4	74.5	27.6
95°	460.4	259.3	237.8	152.0	66.2
97.5°	620.2	284.8	265.9	190.1	114.5
100°	678.3	306.2	289.0	220.4	151.8
102.5°	705.1	327.6	311.6	247.5	183.5
105°	724.8	359.3	345.7	291.5	237.3
107.5°	728.5	406.2	393.6	342.9	292.4
110°	722.9	432.4	420.9	375.3	329.6



TEST NUMBER: P935475

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	723.2	464.2	453.2	409.7	366.2
115°	729.9	511.8	501.7	461.5	421.4
117.5°	743.4	557.9	548.8	512.4	475.9
120°	754.4	584.8	576.2	541.9	507.6
122.5°	770.3	616.5	607.9	573.3	538.7
125°	791.7	657.2	649.3	617.8	586.2
127.5°	813.1	696.5	688.6	656.7	624.8
130°	828.7	722.7	714.1	679.9	645.5
132.5°	841.4	744.1	735.5	701.3	666.9
135°	855.1	768.9	761.1	729.8	698.6
137.5°	875.8	800.7	793.0	762.0	731.0
140°	888.4	822.0	814.9	786.4	757.9
142.5°	899.1	837.9	831.3	805.0	778.6
145°	912.9	862.1	856.3	833.3	810.3
147.5°	933.1	892.4	886.8	864.5	842.1
150°	943.7	908.2	903.2	883.0	862.8
152.5°	950.6	918.6	914.8	899.5	884.1
155°	965.7	941.4	938.5	927.2	915.9
157.5°	980.9	964.1	961.3	950.3	939.3
160°	987.8	974.5	972.4	963.7	955.1
162.5°	995.2	985.5	983.9	977.4	971.0
165°	1005.7	1001.4	1000.0	994.1	988.3
167.5°	1014.0	1010.4	1009.7	1006.9	1004.2
170°	1020.9	1020.7	1020.0	1017.2	1014.5
172.5°	1021.4	1021.4	1021.2	1020.6	1020.0
175°	1025.6	1027.6	1027.6	1027.6	1027.6
177.5°	1026.0	1027.6	1027.6	1027.6	1027.6
180°	1027.6	1027.6	1027.6	1027.6	1027.6



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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	8.28	8.97	9.41	10.09	11.66	11.10	11.79	12.24	12.91	14.48
	3H	8.74	9.36	9.88	10.49	12.07	12.43	13.05	13.58	14.18	15.76
	4H	8.93	9.51	10.08	10.64	12.23	12.87	13.45	14.02	14.59	16.17
	6H	9.03	9.57	10.19	10.71	12.31	13.14	13.68	14.30	14.81	16.41
	8H	9.03	9.54	10.19	10.69	12.28	13.21	13.72	14.37	14.87	16.46
	12H	9.00	9.48	10.16	10.62	12.24	13.24	13.73	14.41	14.87	16.49
4H	2H	9.29	9.87	10.45	11.00	12.59	11.49	12.07	12.65	13.21	14.80
	3H	10.30	10.78	11.46	11.94	13.54	12.98	13.46	14.14	14.62	16.22
	4H	10.57	11.02	11.73	12.16	13.78	13.50	13.95	14.66	15.09	16.71
	6H	10.68	11.07	11.85	12.24	13.84	13.85	14.23	15.02	15.40	17.01
	8H	10.68	11.04	11.85	12.20	13.83	13.95	14.31	15.12	15.47	17.10
	12H	10.64	10.97	11.83	12.14	13.77	14.00	14.33	15.19	15.50	17.13
8H	4H	11.01	11.36	12.18	12.52	14.15	13.61	13.97	14.78	15.13	16.75
	6H	11.26	11.55	12.45	12.76	14.38	14.04	14.33	15.23	15.53	17.16
	8H	11.30	11.56	12.50	12.74	14.38	14.19	14.44	15.38	15.62	17.27
	12H	11.28	11.50	12.48	12.68	14.36	14.27	14.50	15.47	15.68	17.35
12H	4H	11.00	11.33	12.19	12.50	14.13	13.56	13.89	14.75	15.06	16.69
	6H	11.32	11.58	12.51	12.76	14.40	14.03	14.29	15.23	15.47	17.11
	8H	11.38	11.60	12.58	12.78	14.46	14.18	14.41	15.38	15.59	17.26