

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: P935551

Luminaire Tested: SQ4-FA-125U-075D-930-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

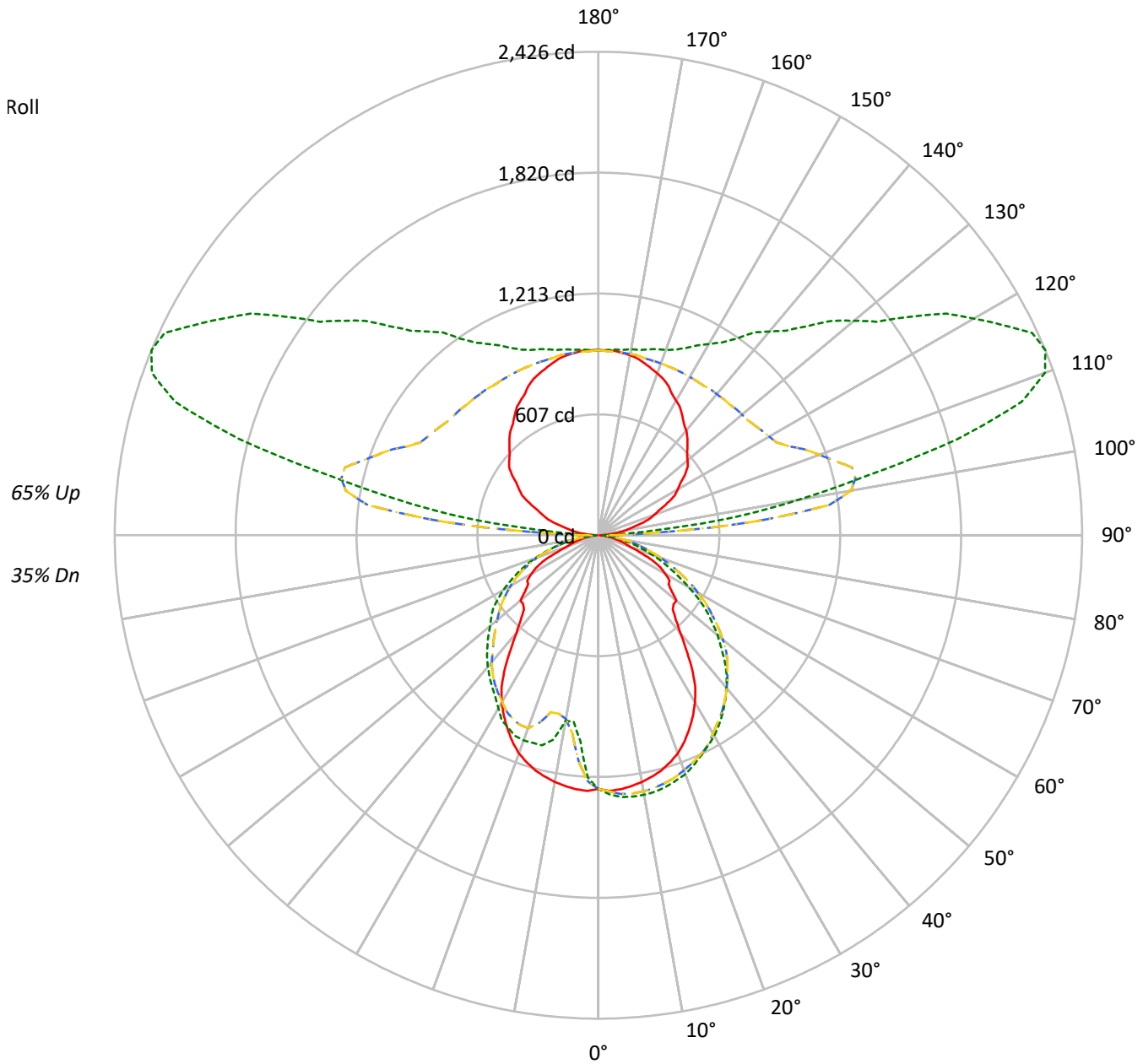
Test Method: LM-79-2019  
Report Number: P935551  
REPORT IS A COMBINATION OF REPORTS P933759 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-930-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9328.3 lumens  
Efficiency: N/A  
Efficacy: 111.9 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): 83.4  
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

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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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35				35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30				30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25				25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21				21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18				18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16				16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14				14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12				12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11				11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10				10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9				9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	7876	7876	7876	7876
5°	7932	7950	7932	6252
10°	7876	7831	7876	5599
15°	7788	7662	7788	6398
20°	7622	7461	7622	6411
25°	7285	7168	7285	6275
30°	6852	6924	6852	5977
35°	6105	6617	6105	5649
40°	5084	6254	5084	5401
45°	4540	5829	4540	5116
50°	4819	5324	4819	4831
55°	4530	4779	4530	4665
60°	4663	4059	4663	4273
65°	4221	3355	4221	3751
70°	2916	2674	2916	3144
75°	2547	1976	2547	2366
80°	2038	1307	2038	1422
85°	1151	692	1151	589

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 6963 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.9	1.2
10°-20°	326.3	3.5
20°-30°	504.4	5.4
30°-40°	602.1	6.5
40°-50°	605.7	6.5
50°-60°	527.0	5.6
60°-70°	373.7	4.0
70°-80°	197.7	2.1
80°-90°	52.8	0.6
90°-100°	452.9	4.9
100°-110°	1190.8	12.8
110°-120°	1234.8	13.2
120°-130°	990.4	10.6
130°-140°	777.1	8.3
140°-150°	596.5	6.4
150°-160°	429.6	4.6
160°-170°	262.8	2.8
170°-180°	88.8	1.0
0°-30°	945.6	10.1
0°-40°	1547.8	16.6
0°-60°	2680.5	28.7
0°-90°	3304.6	35.4
90°-120°	2878.5	30.9
90°-150°	5242.5	56.2
90°-180°	6024.0	64.6
0°-180°	9328.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1273	1273	1273	1273	1273	
5°	1279	1319	1279	1037	1279	121
15°	1221	1307	1221	1091	1221	344
25°	1076	1219	1076	1067	1076	494
35°	818	1088	818	929	818	506
45°	528	896	528	786	528	423
55°	430	661	430	646	430	395
65°	299	399	299	446	299	285
75°	113	189	113	226	113	119
85°	19	48	19	41	19	26
90°	6	24	6	24	6	6
95°	60	274	60	274	60	66
105°	215	1865	215	1865	215	227
115°	381	2401	381	2401	381	376
125°	530	1912	530	1912	530	471
135°	632	1484	632	1484	632	489
145°	733	1204	733	1204	733	459
155°	828	1036	828	1036	828	381
165°	894	965	894	965	894	252
175°	929	936	929	936	929	88
180°	929	929	929	929	929	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1284.0	1284.0	1291.2	1293.6	1293.6	1290.0	1286.4	1290.0	1300.9	1304.5	1303.3
5°	1279.2	1288.8	1302.1	1304.5	1306.9	1305.7	1303.3	1305.7	1317.7	1320.1	1321.3
7.5°	1269.5	1287.6	1304.5	1308.1	1311.7	1308.1	1306.9	1309.3	1321.3	1323.7	1323.7
10°	1257.5	1282.8	1302.1	1304.5	1308.1	1304.5	1304.5	1309.3	1321.3	1323.7	1325.0
12.5°	1240.6	1275.6	1293.6	1296.0	1300.9	1299.7	1298.5	1303.3	1315.3	1317.7	1317.7
15°	1221.4	1262.3	1279.2	1281.6	1290.0	1287.6	1287.6	1292.4	1305.7	1309.3	1308.1
17.5°	1194.9	1245.5	1264.7	1268.3	1274.4	1273.2	1274.4	1279.2	1291.2	1293.6	1294.8
20°	1164.8	1222.6	1245.5	1249.1	1255.1	1255.1	1255.1	1261.1	1273.2	1278.0	1278.0
22.5°	1123.8	1198.5	1222.6	1225.0	1232.2	1232.2	1234.6	1243.0	1253.9	1255.1	1255.1
25°	1075.6	1172.0	1192.5	1199.7	1206.9	1210.5	1214.1	1219.0	1222.6	1221.4	1222.6
27.5°	1025.0	1138.3	1164.8	1169.6	1179.2	1182.8	1187.6	1188.8	1190.0	1193.7	1191.3
30°	968.4	1091.3	1131.0	1135.8	1151.5	1153.9	1149.1	1151.5	1157.5	1159.9	1162.3
32.5°	904.6	1021.4	1096.1	1106.9	1121.4	1114.2	1113.0	1116.6	1126.2	1126.2	1128.6
35°	817.9	967.2	1063.6	1073.2	1084.0	1075.6	1080.4	1081.6	1087.7	1091.3	1090.1
37.5°	722.7	920.2	1029.8	1037.1	1045.5	1034.7	1041.9	1045.5	1050.3	1047.9	1047.9
40°	638.4	846.8	990.1	994.9	1002.1	993.7	1000.9	1003.3	1005.8	1003.3	1002.1
42.5°	575.8	766.1	947.9	954.0	949.1	955.2	957.6	962.4	958.8	954.0	954.0
45°	527.6	744.4	902.2	909.4	902.2	911.8	915.4	915.4	904.6	902.2	901.0
47.5°	511.9	701.0	856.4	856.4	852.8	864.8	870.9	862.4	851.6	848.0	848.0
50°	510.7	652.8	793.8	788.9	805.8	820.3	814.2	805.8	797.4	784.1	784.1
52.5°	463.7	593.8	713.1	731.1	757.6	766.1	756.4	748.0	733.5	727.5	722.7
55°	430.0	532.4	639.6	675.7	703.4	714.3	696.2	687.8	666.1	662.5	660.1
57.5°	422.8	443.3	572.1	617.9	651.6	650.4	639.6	623.9	605.9	602.2	601.0
60°	387.8	320.4	499.9	554.1	589.0	585.4	575.8	561.3	544.4	542.0	539.6
62.5°	351.7	232.5	418.0	479.4	528.8	527.6	519.1	497.5	485.4	479.4	474.6
65°	298.7	195.1	297.5	398.7	469.8	472.2	454.1	438.4	425.2	418.0	416.8
67.5°	227.7	159.0	201.2	332.4	413.1	410.7	387.8	380.6	363.8	360.1	352.9
70°	168.6	106.0	139.7	269.8	357.7	351.7	333.6	325.2	309.6	301.1	296.3
72.5°	139.7	85.5	102.4	209.6	301.1	293.9	278.2	268.6	255.4	248.1	243.3
75°	113.2	90.3	78.3	155.4	244.5	239.7	225.2	215.6	204.8	195.1	196.3
77.5°	83.1	84.3	62.6	114.4	193.9	186.7	178.3	166.2	161.4	151.8	151.8
80°	62.6	66.2	47.0	78.3	139.7	139.7	132.5	124.1	115.6	110.8	110.8
82.5°	42.2	42.2	34.9	49.4	95.2	91.5	86.7	84.3	79.5	77.1	77.1
85°	19.3	24.1	21.7	30.1	51.8	54.2	54.2	51.8	50.6	48.2	49.4
87.5°	6.0	10.8	13.2	16.9	26.5	27.7	28.9	28.9	28.9	30.1	30.1
90°	6.3	11.2	16.2	17.4	27.4	40.7	47.4	42.1	31.6	23.7	23.7
92.5°	25.0	67.4	109.8	120.4	169.2	234.3	266.9	233.9	168.0	118.5	113.8
95°	59.9	137.5	215.0	234.5	416.4	658.9	780.2	696.2	528.2	402.2	387.9
97.5°	103.5	171.9	240.4	257.5	560.8	965.3	1167.5	1114.4	1008.2	928.6	901.4
100°	137.2	199.3	261.4	276.9	613.4	1062.2	1286.6	1290.4	1298.2	1304.0	1271.6
102.5°	165.9	223.8	281.8	296.2	637.6	1092.6	1320.2	1387.8	1523.1	1624.5	1596.8
105°	214.6	263.6	312.6	324.9	655.4	1096.2	1316.5	1468.1	1771.3	1998.7	1983.8
107.5°	264.4	310.1	355.9	367.3	658.8	1047.4	1241.7	1453.2	1876.1	2193.3	2196.9
110°	298.1	339.3	380.6	391.0	653.7	1004.1	1179.3	1415.7	1888.6	2243.3	2258.8



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	331.2	370.5	409.9	419.7	654.0	966.3	1122.5	1364.5	1848.4	2211.4	2235.2
115°	381.0	417.3	453.7	462.8	660.1	923.0	1054.6	1287.7	1753.9	2103.5	2136.6
117.5°	430.3	463.3	496.3	504.5	672.3	895.9	1007.8	1218.2	1638.9	1954.5	1991.1
120°	459.0	490.1	521.1	528.9	682.2	886.8	989.1	1181.3	1565.7	1854.0	1889.7
122.5°	487.1	518.4	549.7	557.5	696.6	882.0	974.8	1147.9	1494.1	1753.7	1788.8
125°	530.1	558.6	587.2	594.3	716.0	878.1	959.2	1106.2	1400.3	1620.9	1653.2
127.5°	565.0	593.8	622.6	629.9	735.3	875.8	946.1	1072.3	1324.9	1514.2	1541.5
130°	583.7	614.8	645.8	653.6	749.4	877.1	941.0	1053.5	1278.2	1446.8	1472.1
132.5°	603.1	634.1	665.1	672.9	760.8	878.1	936.7	1037.3	1238.5	1389.4	1412.0
135°	631.7	660.0	688.3	695.3	773.3	877.3	929.2	1013.5	1182.0	1308.4	1327.8
137.5°	661.0	689.1	717.1	724.1	792.0	882.7	927.9	999.2	1141.6	1248.5	1264.4
140°	685.4	711.1	736.9	743.3	803.4	883.5	923.6	985.1	1108.2	1200.5	1215.4
142.5°	704.1	727.9	751.8	757.7	813.0	886.8	923.6	977.7	1085.7	1166.8	1179.7
145°	732.7	753.5	774.3	779.6	825.5	886.8	917.3	961.6	1050.0	1116.3	1126.0
147.5°	761.5	781.7	802.0	807.0	843.8	892.9	917.3	952.1	1021.7	1073.9	1082.0
150°	780.2	798.5	816.7	821.3	853.3	896.0	917.3	946.7	1005.5	1049.6	1056.1
152.5°	799.5	813.4	827.3	830.7	859.6	898.1	917.3	942.4	992.6	1030.2	1035.1
155°	828.2	838.5	848.7	851.3	873.3	902.7	917.3	937.3	977.3	1007.2	1010.5
157.5°	849.4	859.4	869.3	871.8	887.0	907.2	917.3	932.8	963.9	987.2	989.5
160°	863.7	871.5	879.3	881.2	893.3	909.3	917.3	930.7	957.3	977.3	978.5
162.5°	878.1	883.9	889.7	891.2	899.9	911.6	917.3	928.6	951.0	967.9	969.1
165°	893.7	899.0	904.3	905.5	909.5	914.7	917.3	925.4	941.5	953.6	954.8
167.5°	908.0	910.5	913.0	913.7	916.9	921.4	923.6	928.9	939.4	947.3	947.9
170°	917.3	919.8	922.3	923.0	923.2	923.4	923.6	928.9	939.4	947.3	947.3
172.5°	922.3	922.9	923.4	923.6	923.6	923.6	923.6	927.8	936.1	942.3	941.8
175°	929.2	929.2	929.2	929.2	927.4	924.9	923.6	926.3	931.6	935.5	935.5
177.5°	929.2	929.2	929.2	929.2	927.8	925.8	924.8	926.9	931.1	934.2	933.6
180°	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1305.7	1302.1	1305.7	1303.3	1304.5	1300.9	1290.0	1286.4	1290.0	1293.6	1293.6
5°	1321.3	1318.9	1321.3	1321.3	1320.1	1317.7	1305.7	1303.3	1305.7	1306.9	1304.5
7.5°	1326.2	1322.5	1326.2	1323.7	1323.7	1321.3	1309.3	1306.9	1308.1	1311.7	1308.1
10°	1326.2	1322.5	1326.2	1325.0	1323.7	1321.3	1309.3	1304.5	1304.5	1308.1	1304.5
12.5°	1320.1	1317.7	1320.1	1317.7	1317.7	1315.3	1303.3	1298.5	1299.7	1300.9	1296.0
15°	1310.5	1306.9	1310.5	1308.1	1309.3	1305.7	1292.4	1287.6	1287.6	1290.0	1281.6
17.5°	1296.0	1291.2	1296.0	1294.8	1293.6	1291.2	1279.2	1274.4	1273.2	1274.4	1268.3
20°	1279.2	1275.6	1279.2	1278.0	1278.0	1273.2	1261.1	1255.1	1255.1	1255.1	1249.1
22.5°	1252.7	1249.1	1252.7	1255.1	1255.1	1253.9	1243.0	1234.6	1232.2	1232.2	1225.0
25°	1222.6	1219.0	1222.6	1222.6	1221.4	1222.6	1219.0	1214.1	1210.5	1206.9	1199.7
27.5°	1193.7	1191.3	1193.7	1191.3	1193.7	1190.0	1188.8	1187.6	1182.8	1179.2	1169.6
30°	1164.8	1162.3	1164.8	1162.3	1159.9	1157.5	1151.5	1149.1	1153.9	1151.5	1135.8
32.5°	1128.6	1126.2	1128.6	1128.6	1126.2	1126.2	1116.6	1113.0	1114.2	1121.4	1106.9
35°	1091.3	1087.7	1091.3	1090.1	1091.3	1087.7	1081.6	1080.4	1075.6	1084.0	1073.2
37.5°	1047.9	1044.3	1047.9	1047.9	1047.9	1050.3	1045.5	1041.9	1034.7	1045.5	1037.1
40°	1003.3	998.5	1003.3	1002.1	1003.3	1005.8	1003.3	1000.9	993.7	1002.1	994.9
42.5°	952.8	951.6	952.8	954.0	954.0	958.8	962.4	957.6	955.2	949.1	954.0
45°	898.6	896.1	898.6	901.0	902.2	904.6	915.4	915.4	911.8	902.2	909.4
47.5°	840.7	834.7	840.7	848.0	848.0	851.6	862.4	870.9	864.8	852.8	856.4
50°	779.3	780.5	779.3	784.1	784.1	797.4	805.8	814.2	820.3	805.8	788.9
52.5°	719.1	717.9	719.1	722.7	727.5	733.5	748.0	756.4	766.1	757.6	731.1
55°	658.9	661.3	658.9	660.1	662.5	666.1	687.8	696.2	714.3	703.4	675.7
57.5°	598.6	595.0	598.6	601.0	602.2	605.9	623.9	639.6	650.4	651.6	617.9
60°	528.8	524.0	528.8	539.6	542.0	544.4	561.3	575.8	585.4	589.0	554.1
62.5°	467.3	458.9	467.3	474.6	479.4	485.4	497.5	519.1	527.6	528.8	479.4
65°	402.3	398.7	402.3	416.8	418.0	425.2	438.4	454.1	472.2	469.8	398.7
67.5°	343.3	343.3	343.3	352.9	360.1	363.8	380.6	387.8	410.7	413.1	332.4
70°	289.1	287.9	289.1	296.3	301.1	309.6	325.2	333.6	351.7	357.7	269.8
72.5°	237.3	236.1	237.3	243.3	248.1	255.4	268.6	278.2	293.9	301.1	209.6
75°	191.5	189.1	191.5	196.3	195.1	204.8	215.6	225.2	239.7	244.5	155.4
77.5°	146.9	146.9	146.9	151.8	151.8	161.4	166.2	178.3	186.7	193.9	114.4
80°	109.6	108.4	109.6	110.8	110.8	115.6	124.1	132.5	139.7	139.7	78.3
82.5°	77.1	74.7	77.1	77.1	77.1	79.5	84.3	86.7	91.5	95.2	49.4
85°	48.2	48.2	48.2	49.4	48.2	50.6	51.8	54.2	54.2	51.8	30.1
87.5°	31.3	30.1	31.3	30.1	30.1	28.9	28.9	28.9	27.7	26.5	16.9
90°	23.7	23.7	23.7	23.7	23.7	31.6	42.1	47.4	40.7	27.4	17.4
92.5°	94.9	76.0	94.9	113.8	118.5	168.0	233.9	266.9	234.3	169.2	120.4
95°	330.8	273.7	330.8	387.9	402.2	528.2	696.2	780.2	658.9	416.4	234.5
97.5°	792.8	684.2	792.8	901.4	928.6	1008.2	1114.4	1167.5	965.3	560.8	257.5
100°	1142.3	1012.8	1142.3	1271.6	1304.0	1298.2	1290.4	1286.6	1062.2	613.4	276.9
102.5°	1486.0	1375.1	1486.0	1596.8	1624.5	1523.1	1387.8	1320.2	1092.6	637.6	296.2
105°	1924.2	1864.6	1924.2	1983.8	1998.7	1771.3	1468.1	1316.5	1096.2	655.4	324.9
107.5°	2211.3	2225.8	2211.3	2196.9	2193.3	1876.1	1453.2	1241.7	1047.4	658.8	367.3
110°	2320.8	2382.9	2320.8	2258.8	2243.3	1888.6	1415.7	1179.3	1004.1	653.7	391.0





TEST NUMBER: P935551

CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2330.5	2425.9	2330.5	2235.2	2211.4	1848.4	1364.5	1122.5	966.3	654.0	419.7
115°	2268.8	2401.0	2268.8	2136.6	2103.5	1753.9	1287.7	1054.6	923.0	660.1	462.8
117.5°	2137.7	2284.4	2137.7	1991.1	1954.5	1638.9	1218.2	1007.8	895.9	672.3	504.5
120°	2032.2	2174.6	2032.2	1889.7	1854.0	1565.7	1181.3	989.1	886.8	682.2	528.9
122.5°	1929.3	2069.8	1929.3	1788.8	1753.7	1494.1	1147.9	974.8	882.0	696.6	557.5
125°	1782.7	1912.1	1782.7	1653.2	1620.9	1400.3	1106.2	959.2	878.1	716.0	594.3
127.5°	1650.7	1759.9	1650.7	1541.5	1514.2	1324.9	1072.3	946.1	875.8	735.3	629.9
130°	1573.0	1673.9	1573.0	1472.1	1446.8	1278.2	1053.5	941.0	877.1	749.4	653.6
132.5°	1502.4	1592.8	1502.4	1412.0	1389.4	1238.5	1037.3	936.7	878.1	760.8	672.9
135°	1405.7	1483.6	1405.7	1327.8	1308.4	1182.0	1013.5	929.2	877.3	773.3	695.3
137.5°	1328.2	1391.9	1328.2	1264.4	1248.5	1141.6	999.2	927.9	882.7	792.0	724.1
140°	1275.0	1334.6	1275.0	1215.4	1200.5	1108.2	985.1	923.6	883.5	803.4	743.3
142.5°	1230.9	1282.2	1230.9	1179.7	1166.8	1085.7	977.7	923.6	886.8	813.0	757.7
145°	1164.8	1203.6	1164.8	1126.0	1116.3	1050.0	961.6	917.3	886.8	825.5	779.6
147.5°	1114.2	1146.3	1114.2	1082.0	1073.9	1021.7	952.1	917.3	892.9	843.8	807.0
150°	1082.2	1108.2	1082.2	1056.1	1049.6	1005.5	946.7	917.3	896.0	853.3	821.3
152.5°	1054.8	1074.5	1054.8	1035.1	1030.2	992.6	942.4	917.3	898.1	859.6	830.7
155°	1023.5	1036.5	1023.5	1010.5	1007.2	977.3	937.3	917.3	902.7	873.3	851.3
157.5°	998.6	1007.8	998.6	989.5	987.2	963.9	932.8	917.3	907.2	887.0	871.8
160°	983.8	989.1	983.8	978.5	977.3	957.3	930.7	917.3	909.3	893.3	881.2
162.5°	974.1	979.1	974.1	969.1	967.9	951.0	928.6	917.3	911.6	899.9	891.2
165°	960.1	965.4	960.1	954.8	953.6	941.5	925.4	917.3	914.7	909.5	905.5
167.5°	950.0	952.3	950.0	947.9	947.3	939.4	928.9	923.6	921.4	916.9	913.7
170°	947.3	947.3	947.3	947.3	947.3	939.4	928.9	923.6	923.4	923.2	923.0
172.5°	939.9	938.0	939.9	941.8	942.3	936.1	927.8	923.6	923.6	923.6	923.6
175°	935.5	935.5	935.5	935.5	935.5	931.6	926.3	923.6	924.9	927.4	929.2
177.5°	931.5	929.2	931.5	933.6	934.2	931.1	926.9	924.8	925.8	927.8	929.2
180°	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2



TEST NUMBER: P935551  
 CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1291.2	1284.0	1284.0	1272.0	1267.1	1263.5	1257.5	1239.4	1234.6	1229.8	1237.0
5°	1302.1	1288.8	1279.2	1257.5	1239.4	1232.2	1209.3	1166.0	1137.0	1115.4	1103.3
7.5°	1304.5	1287.6	1269.5	1235.8	1192.5	1173.2	1103.3	1023.8	1002.1	982.9	970.8
10°	1302.1	1282.8	1257.5	1206.9	1104.5	1070.8	1000.9	949.1	935.9	932.3	935.9
12.5°	1293.6	1275.6	1240.6	1156.3	1013.0	990.1	949.1	919.0	916.6	922.6	955.2
15°	1279.2	1262.3	1221.4	1088.9	962.4	945.5	916.6	905.8	919.0	961.2	1058.8
17.5°	1264.7	1245.5	1194.9	1022.6	923.9	911.8	891.3	913.0	987.7	1044.3	1076.8
20°	1245.5	1222.6	1164.8	974.4	896.1	885.3	875.7	973.2	1029.8	1050.3	1068.4
22.5°	1222.6	1198.5	1123.8	940.7	867.2	858.8	864.8	1007.0	1029.8	1044.3	1060.0
25°	1192.5	1172.0	1075.6	914.2	844.4	834.7	857.6	1003.3	1016.6	1020.2	1051.5
27.5°	1164.8	1138.3	1025.0	890.1	816.7	813.0	863.6	987.7	997.3	1000.9	1034.7
30°	1131.0	1091.3	968.4	864.8	787.7	786.5	864.8	968.4	966.0	975.6	1009.4
32.5°	1096.1	1021.4	904.6	833.5	760.0	758.8	856.4	939.5	937.1	950.4	975.6
35°	1063.6	967.2	817.9	797.4	725.1	726.3	835.9	905.8	907.0	919.0	934.7
37.5°	1029.8	920.2	722.7	757.6	691.4	691.4	808.2	874.5	872.1	875.7	897.4
40°	990.1	846.8	638.4	705.8	660.1	656.5	774.5	840.7	832.3	831.1	861.2
42.5°	947.9	766.1	575.8	637.2	623.9	619.1	733.5	799.8	784.1	787.7	826.3
45°	902.2	744.4	527.6	538.4	586.6	583.0	689.0	752.8	742.0	751.6	791.4
47.5°	856.4	701.0	511.9	446.9	546.8	545.6	639.6	707.0	701.0	710.7	752.8
50°	793.8	652.8	510.7	383.0	502.3	507.1	580.6	662.5	662.5	670.9	715.5
52.5°	713.1	593.8	463.7	346.9	450.5	464.9	528.8	623.9	626.3	634.8	674.5
55°	639.6	532.4	430.0	319.2	389.1	420.4	478.2	584.2	589.0	597.4	633.6
57.5°	572.1	443.3	422.8	286.7	332.4	362.6	433.6	545.6	548.0	555.3	590.2
60°	499.9	320.4	387.8	251.7	283.1	305.9	392.7	499.9	508.3	513.1	543.2
62.5°	418.0	232.5	351.7	227.7	259.0	263.8	358.9	456.5	467.3	471.0	489.0
65°	297.5	195.1	298.7	207.2	233.7	234.9	322.8	411.9	421.6	427.6	440.8
67.5°	201.2	159.0	227.7	187.9	214.4	215.6	287.9	360.1	373.4	378.2	386.6
70°	139.7	106.0	168.6	167.4	192.7	195.1	250.5	313.2	325.2	328.8	333.6
72.5°	102.4	85.5	139.7	150.6	169.8	172.2	212.0	260.2	272.2	275.8	278.2
75°	78.3	90.3	113.2	131.3	144.5	145.7	173.4	212.0	220.4	222.8	224.0
77.5°	62.6	84.3	83.1	106.0	118.0	115.6	136.1	163.8	171.0	171.0	171.0
80°	47.0	66.2	62.6	75.9	86.7	84.3	97.6	116.8	119.2	121.7	120.4
82.5°	34.9	42.2	42.2	48.2	57.8	55.4	65.0	75.9	75.9	75.9	78.3
85°	21.7	24.1	19.3	25.3	32.5	31.3	36.1	41.0	42.2	42.2	39.7
87.5°	13.2	10.8	6.0	9.6	14.5	14.5	16.9	18.1	16.9	16.9	16.9
90°	16.2	11.2	6.3	11.2	16.2	17.4	27.4	40.7	47.4	42.1	31.6
92.5°	109.8	67.4	25.0	67.4	109.8	120.4	169.2	234.3	266.9	233.9	168.0
95°	215.0	137.5	59.9	137.5	215.0	234.5	416.4	658.9	780.2	696.2	528.2
97.5°	240.4	171.9	103.5	171.9	240.4	257.5	560.8	965.3	1167.5	1114.4	1008.2
100°	261.4	199.3	137.2	199.3	261.4	276.9	613.4	1062.2	1286.6	1290.4	1298.2
102.5°	281.8	223.8	165.9	223.8	281.8	296.2	637.6	1092.6	1320.2	1387.8	1523.1
105°	312.6	263.6	214.6	263.6	312.6	324.9	655.4	1096.2	1316.5	1468.1	1771.3
107.5°	355.9	310.1	264.4	310.1	355.9	367.3	658.8	1047.4	1241.7	1453.2	1876.1
110°	380.6	339.3	298.1	339.3	380.6	391.0	653.7	1004.1	1179.3	1415.7	1888.6



TEST NUMBER: P935551

CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	409.9	370.5	331.2	370.5	409.9	419.7	654.0	966.3	1122.5	1364.5	1848.4
115°	453.7	417.3	381.0	417.3	453.7	462.8	660.1	923.0	1054.6	1287.7	1753.9
117.5°	496.3	463.3	430.3	463.3	496.3	504.5	672.3	895.9	1007.8	1218.2	1638.9
120°	521.1	490.1	459.0	490.1	521.1	528.9	682.2	886.8	989.1	1181.3	1565.7
122.5°	549.7	518.4	487.1	518.4	549.7	557.5	696.6	882.0	974.8	1147.9	1494.1
125°	587.2	558.6	530.1	558.6	587.2	594.3	716.0	878.1	959.2	1106.2	1400.3
127.5°	622.6	593.8	565.0	593.8	622.6	629.9	735.3	875.8	946.1	1072.3	1324.9
130°	645.8	614.8	583.7	614.8	645.8	653.6	749.4	877.1	941.0	1053.5	1278.2
132.5°	665.1	634.1	603.1	634.1	665.1	672.9	760.8	878.1	936.7	1037.3	1238.5
135°	688.3	660.0	631.7	660.0	688.3	695.3	773.3	877.3	929.2	1013.5	1182.0
137.5°	717.1	689.1	661.0	689.1	717.1	724.1	792.0	882.7	927.9	999.2	1141.6
140°	736.9	711.1	685.4	711.1	736.9	743.3	803.4	883.5	923.6	985.1	1108.2
142.5°	751.8	727.9	704.1	727.9	751.8	757.7	813.0	886.8	923.6	977.7	1085.7
145°	774.3	753.5	732.7	753.5	774.3	779.6	825.5	886.8	917.3	961.6	1050.0
147.5°	802.0	781.7	761.5	781.7	802.0	807.0	843.8	892.9	917.3	952.1	1021.7
150°	816.7	798.5	780.2	798.5	816.7	821.3	853.3	896.0	917.3	946.7	1005.5
152.5°	827.3	813.4	799.5	813.4	827.3	830.7	859.6	898.1	917.3	942.4	992.6
155°	848.7	838.5	828.2	838.5	848.7	851.3	873.3	902.7	917.3	937.3	977.3
157.5°	869.3	859.4	849.4	859.4	869.3	871.8	887.0	907.2	917.3	932.8	963.9
160°	879.3	871.5	863.7	871.5	879.3	881.2	893.3	909.3	917.3	930.7	957.3
162.5°	889.7	883.9	878.1	883.9	889.7	891.2	899.9	911.6	917.3	928.6	951.0
165°	904.3	899.0	893.7	899.0	904.3	905.5	909.5	914.7	917.3	925.4	941.5
167.5°	913.0	910.5	908.0	910.5	913.0	913.7	916.9	921.4	923.6	928.9	939.4
170°	922.3	919.8	917.3	919.8	922.3	923.0	923.2	923.4	923.6	928.9	939.4
172.5°	923.4	922.9	922.3	922.9	923.4	923.6	923.6	923.6	923.6	927.8	936.1
175°	929.2	929.2	929.2	929.2	929.2	929.2	927.4	924.9	923.6	926.3	931.6
177.5°	929.2	929.2	929.2	929.2	929.2	929.2	927.8	925.8	924.8	926.9	931.1
180°	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2



TEST NUMBER: P935551  
 CATALOG NUMBER: SQ4-FA-125U-075D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1228.6	1225.0	1229.8	1216.5	1229.8	1225.0	1228.6	1237.0	1229.8	1234.6	1239.4
5°	1078.0	1072.0	1052.7	1037.1	1052.7	1072.0	1078.0	1103.3	1115.4	1137.0	1166.0
7.5°	963.6	958.8	954.0	944.3	954.0	958.8	963.6	970.8	982.9	1002.1	1023.8
10°	938.3	939.5	946.7	945.5	946.7	939.5	938.3	935.9	932.3	935.9	949.1
12.5°	1003.3	1014.2	1053.9	1051.5	1053.9	1014.2	1003.3	955.2	922.6	916.6	919.0
15°	1078.0	1081.6	1090.1	1091.3	1090.1	1081.6	1078.0	1058.8	961.2	919.0	905.8
17.5°	1085.3	1086.5	1092.5	1092.5	1092.5	1086.5	1085.3	1076.8	1044.3	987.7	913.0
20°	1079.2	1081.6	1093.7	1096.1	1093.7	1081.6	1079.2	1068.4	1050.3	1029.8	973.2
22.5°	1076.8	1081.6	1091.3	1090.1	1091.3	1081.6	1076.8	1060.0	1044.3	1029.8	1007.0
25°	1064.8	1064.8	1066.0	1067.2	1066.0	1064.8	1064.8	1051.5	1020.2	1016.6	1003.3
27.5°	1039.5	1041.9	1049.1	1047.9	1049.1	1041.9	1039.5	1034.7	1000.9	997.3	987.7
30°	1016.6	1014.2	1008.2	1003.3	1008.2	1014.2	1016.6	1009.4	975.6	966.0	968.4
32.5°	978.1	972.0	966.0	962.4	966.0	972.0	978.1	975.6	950.4	937.1	939.5
35°	932.3	933.5	932.3	928.7	932.3	933.5	932.3	934.7	919.0	907.0	905.8
37.5°	899.8	902.2	901.0	896.1	901.0	902.2	899.8	897.4	875.7	872.1	874.5
40°	866.0	867.2	866.0	862.4	866.0	867.2	866.0	861.2	831.1	832.3	840.7
42.5°	833.5	832.3	828.7	826.3	828.7	832.3	833.5	826.3	787.7	784.1	799.8
45°	796.2	797.4	790.2	786.5	790.2	797.4	796.2	791.4	751.6	742.0	752.8
47.5°	758.8	758.8	752.8	749.2	752.8	758.8	758.8	752.8	710.7	701.0	707.0
50°	719.1	717.9	709.5	708.2	709.5	717.9	719.1	715.5	670.9	662.5	662.5
52.5°	673.3	673.3	674.5	676.9	674.5	673.3	673.3	674.5	634.8	626.3	623.9
55°	633.6	634.8	643.2	645.6	643.2	634.8	633.6	633.6	597.4	589.0	584.2
57.5°	592.6	592.6	598.6	598.6	598.6	592.6	592.6	590.2	555.3	548.0	545.6
60°	545.6	548.0	552.9	551.7	552.9	548.0	545.6	543.2	513.1	508.3	499.9
62.5°	496.3	498.7	499.9	497.5	499.9	498.7	496.3	489.0	471.0	467.3	456.5
65°	444.5	446.9	448.1	445.7	448.1	446.9	444.5	440.8	427.6	421.6	411.9
67.5°	391.5	390.3	389.1	393.9	389.1	390.3	391.5	386.6	378.2	373.4	360.1
70°	337.3	337.3	336.1	338.5	336.1	337.3	337.3	333.6	328.8	325.2	313.2
72.5°	279.4	278.2	283.1	279.4	283.1	278.2	279.4	278.2	275.8	272.2	260.2
75°	222.8	225.2	222.8	226.4	222.8	225.2	222.8	224.0	222.8	220.4	212.0
77.5°	169.8	172.2	169.8	169.8	169.8	172.2	169.8	171.0	171.0	171.0	163.8
80°	120.4	119.2	119.2	118.0	119.2	119.2	120.4	120.4	121.7	119.2	116.8
82.5°	77.1	75.9	75.9	78.3	75.9	75.9	77.1	78.3	75.9	75.9	75.9
85°	42.2	43.4	41.0	41.0	41.0	43.4	42.2	39.7	42.2	42.2	41.0
87.5°	15.7	14.5	14.5	14.5	14.5	14.5	15.7	16.9	16.9	16.9	18.1
90°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	31.6	42.1	47.4	40.7
92.5°	118.5	113.8	94.9	76.0	94.9	113.8	118.5	168.0	233.9	266.9	234.3
95°	402.2	387.9	330.8	273.7	330.8	387.9	402.2	528.2	696.2	780.2	658.9
97.5°	928.6	901.4	792.8	684.2	792.8	901.4	928.6	1008.2	1114.4	1167.5	965.3
100°	1304.0	1271.6	1142.3	1012.8	1142.3	1271.6	1304.0	1298.2	1290.4	1286.6	1062.2
102.5°	1624.5	1596.8	1486.0	1375.1	1486.0	1596.8	1624.5	1523.1	1387.8	1320.2	1092.6
105°	1998.7	1983.8	1924.2	1864.6	1924.2	1983.8	1998.7	1771.3	1468.1	1316.5	1096.2
107.5°	2193.3	2196.9	2211.3	2225.8	2211.3	2196.9	2193.3	1876.1	1453.2	1241.7	1047.4
110°	2243.3	2258.8	2320.8	2382.9	2320.8	2258.8	2243.3	1888.6	1415.7	1179.3	1004.1



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2211.4	2235.2	2330.5	2425.9	2330.5	2235.2	2211.4	1848.4	1364.5	1122.5	966.3
115°	2103.5	2136.6	2268.8	2401.0	2268.8	2136.6	2103.5	1753.9	1287.7	1054.6	923.0
117.5°	1954.5	1991.1	2137.7	2284.4	2137.7	1991.1	1954.5	1638.9	1218.2	1007.8	895.9
120°	1854.0	1889.7	2032.2	2174.6	2032.2	1889.7	1854.0	1565.7	1181.3	989.1	886.8
122.5°	1753.7	1788.8	1929.3	2069.8	1929.3	1788.8	1753.7	1494.1	1147.9	974.8	882.0
125°	1620.9	1653.2	1782.7	1912.1	1782.7	1653.2	1620.9	1400.3	1106.2	959.2	878.1
127.5°	1514.2	1541.5	1650.7	1759.9	1650.7	1541.5	1514.2	1324.9	1072.3	946.1	875.8
130°	1446.8	1472.1	1573.0	1673.9	1573.0	1472.1	1446.8	1278.2	1053.5	941.0	877.1
132.5°	1389.4	1412.0	1502.4	1592.8	1502.4	1412.0	1389.4	1238.5	1037.3	936.7	878.1
135°	1308.4	1327.8	1405.7	1483.6	1405.7	1327.8	1308.4	1182.0	1013.5	929.2	877.3
137.5°	1248.5	1264.4	1328.2	1391.9	1328.2	1264.4	1248.5	1141.6	999.2	927.9	882.7
140°	1200.5	1215.4	1275.0	1334.6	1275.0	1215.4	1200.5	1108.2	985.1	923.6	883.5
142.5°	1166.8	1179.7	1230.9	1282.2	1230.9	1179.7	1166.8	1085.7	977.7	923.6	886.8
145°	1116.3	1126.0	1164.8	1203.6	1164.8	1126.0	1116.3	1050.0	961.6	917.3	886.8
147.5°	1073.9	1082.0	1114.2	1146.3	1114.2	1082.0	1073.9	1021.7	952.1	917.3	892.9
150°	1049.6	1056.1	1082.2	1108.2	1082.2	1056.1	1049.6	1005.5	946.7	917.3	896.0
152.5°	1030.2	1035.1	1054.8	1074.5	1054.8	1035.1	1030.2	992.6	942.4	917.3	898.1
155°	1007.2	1010.5	1023.5	1036.5	1023.5	1010.5	1007.2	977.3	937.3	917.3	902.7
157.5°	987.2	989.5	998.6	1007.8	998.6	989.5	987.2	963.9	932.8	917.3	907.2
160°	977.3	978.5	983.8	989.1	983.8	978.5	977.3	957.3	930.7	917.3	909.3
162.5°	967.9	969.1	974.1	979.1	974.1	969.1	967.9	951.0	928.6	917.3	911.6
165°	953.6	954.8	960.1	965.4	960.1	954.8	953.6	941.5	925.4	917.3	914.7
167.5°	947.3	947.9	950.0	952.3	950.0	947.9	947.3	939.4	928.9	923.6	921.4
170°	947.3	947.3	947.3	947.3	947.3	947.3	947.3	939.4	928.9	923.6	923.4
172.5°	942.3	941.8	939.9	938.0	939.9	941.8	942.3	936.1	927.8	923.6	923.6
175°	935.5	935.5	935.5	935.5	935.5	935.5	935.5	931.6	926.3	923.6	924.9
177.5°	934.2	933.6	931.5	929.2	931.5	933.6	934.2	931.1	926.9	924.8	925.8
180°	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1273.2	1273.2	1273.2	1273.2	1273.2
2.5°	1257.5	1263.5	1267.1	1272.0	1284.0
5°	1209.3	1232.2	1239.4	1257.5	1279.2
7.5°	1103.3	1173.2	1192.5	1235.8	1269.5
10°	1000.9	1070.8	1104.5	1206.9	1257.5
12.5°	949.1	990.1	1013.0	1156.3	1240.6
15°	916.6	945.5	962.4	1088.9	1221.4
17.5°	891.3	911.8	923.9	1022.6	1194.9
20°	875.7	885.3	896.1	974.4	1164.8
22.5°	864.8	858.8	867.2	940.7	1123.8
25°	857.6	834.7	844.4	914.2	1075.6
27.5°	863.6	813.0	816.7	890.1	1025.0
30°	864.8	786.5	787.7	864.8	968.4
32.5°	856.4	758.8	760.0	833.5	904.6
35°	835.9	726.3	725.1	797.4	817.9
37.5°	808.2	691.4	691.4	757.6	722.7
40°	774.5	656.5	660.1	705.8	638.4
42.5°	733.5	619.1	623.9	637.2	575.8
45°	689.0	583.0	586.6	538.4	527.6
47.5°	639.6	545.6	546.8	446.9	511.9
50°	580.6	507.1	502.3	383.0	510.7
52.5°	528.8	464.9	450.5	346.9	463.7
55°	478.2	420.4	389.1	319.2	430.0
57.5°	433.6	362.6	332.4	286.7	422.8
60°	392.7	305.9	283.1	251.7	387.8
62.5°	358.9	263.8	259.0	227.7	351.7
65°	322.8	234.9	233.7	207.2	298.7
67.5°	287.9	215.6	214.4	187.9	227.7
70°	250.5	195.1	192.7	167.4	168.6
72.5°	212.0	172.2	169.8	150.6	139.7
75°	173.4	145.7	144.5	131.3	113.2
77.5°	136.1	115.6	118.0	106.0	83.1
80°	97.6	84.3	86.7	75.9	62.6
82.5°	65.0	55.4	57.8	48.2	42.2
85°	36.1	31.3	32.5	25.3	19.3
87.5°	16.9	14.5	14.5	9.6	6.0
90°	27.4	17.4	16.2	11.2	6.3
92.5°	169.2	120.4	109.8	67.4	25.0
95°	416.4	234.5	215.0	137.5	59.9
97.5°	560.8	257.5	240.4	171.9	103.5
100°	613.4	276.9	261.4	199.3	137.2
102.5°	637.6	296.2	281.8	223.8	165.9
105°	655.4	324.9	312.6	263.6	214.6
107.5°	658.8	367.3	355.9	310.1	264.4
110°	653.7	391.0	380.6	339.3	298.1



TEST NUMBER: P935551

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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	654.0	419.7	409.9	370.5	331.2
115°	660.1	462.8	453.7	417.3	381.0
117.5°	672.3	504.5	496.3	463.3	430.3
120°	682.2	528.9	521.1	490.1	459.0
122.5°	696.6	557.5	549.7	518.4	487.1
125°	716.0	594.3	587.2	558.6	530.1
127.5°	735.3	629.9	622.6	593.8	565.0
130°	749.4	653.6	645.8	614.8	583.7
132.5°	760.8	672.9	665.1	634.1	603.1
135°	773.3	695.3	688.3	660.0	631.7
137.5°	792.0	724.1	717.1	689.1	661.0
140°	803.4	743.3	736.9	711.1	685.4
142.5°	813.0	757.7	751.8	727.9	704.1
145°	825.5	779.6	774.3	753.5	732.7
147.5°	843.8	807.0	802.0	781.7	761.5
150°	853.3	821.3	816.7	798.5	780.2
152.5°	859.6	830.7	827.3	813.4	799.5
155°	873.3	851.3	848.7	838.5	828.2
157.5°	887.0	871.8	869.3	859.4	849.4
160°	893.3	881.2	879.3	871.5	863.7
162.5°	899.9	891.2	889.7	883.9	878.1
165°	909.5	905.5	904.3	899.0	893.7
167.5°	916.9	913.7	913.0	910.5	908.0
170°	923.2	923.0	922.3	919.8	917.3
172.5°	923.6	923.6	923.4	922.9	922.3
175°	927.4	929.2	929.2	929.2	929.2
177.5°	927.8	929.2	929.2	929.2	929.2
180°	929.2	929.2	929.2	929.2	929.2



TEST NUMBER: P935551  
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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	10.45	11.19	11.52	12.27	13.73	13.27	14.02	14.35	15.09	16.56
	3H	10.92	11.58	12.00	12.67	14.15	14.61	15.28	15.69	16.36	17.84
	4H	11.10	11.74	12.20	12.82	14.31	15.05	15.68	16.14	16.76	18.25
	6H	11.22	11.80	12.32	12.89	14.39	15.32	15.91	16.43	16.99	18.49
	8H	11.21	11.77	12.32	12.87	14.37	15.39	15.95	16.50	17.05	18.55
	12H	11.18	11.71	12.29	12.80	14.32	15.43	15.95	16.54	17.05	18.57
4H	2H	11.47	12.10	12.57	13.18	14.67	13.67	14.30	14.77	15.39	16.88
	3H	12.48	13.01	13.59	14.12	15.62	15.16	15.69	16.27	16.80	18.30
	4H	12.75	13.24	13.87	14.34	15.86	15.68	16.17	16.80	17.27	18.79
	6H	12.87	13.29	13.99	14.41	15.93	16.04	16.46	17.16	17.58	19.10
	8H	12.88	13.26	13.99	14.38	15.91	16.14	16.53	17.26	17.65	19.18
	12H	12.84	13.19	13.97	14.32	15.85	16.20	16.55	17.33	17.67	19.21
8H	4H	13.20	13.58	14.32	14.70	16.23	15.80	16.19	16.92	17.30	18.83
	6H	13.45	13.77	14.59	14.93	16.46	16.23	16.55	17.37	17.71	19.24
	8H	13.50	13.77	14.64	14.91	16.46	16.38	16.66	17.53	17.80	19.35
	12H	13.47	13.72	14.62	14.85	16.44	16.47	16.72	17.62	17.85	19.44
12H	4H	13.20	13.55	14.33	14.68	16.21	15.76	16.11	16.89	17.24	18.77
	6H	13.51	13.79	14.66	14.93	16.48	16.23	16.51	17.37	17.64	19.19
	8H	13.57	13.82	14.73	14.96	16.54	16.38	16.63	17.53	17.76	19.35