

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: P935750

Luminaire Tested: SQ4-FA-125U-125D-930-1D-UNV-STD-W-4

Issue Date: 12/17/2024

**Test Information**

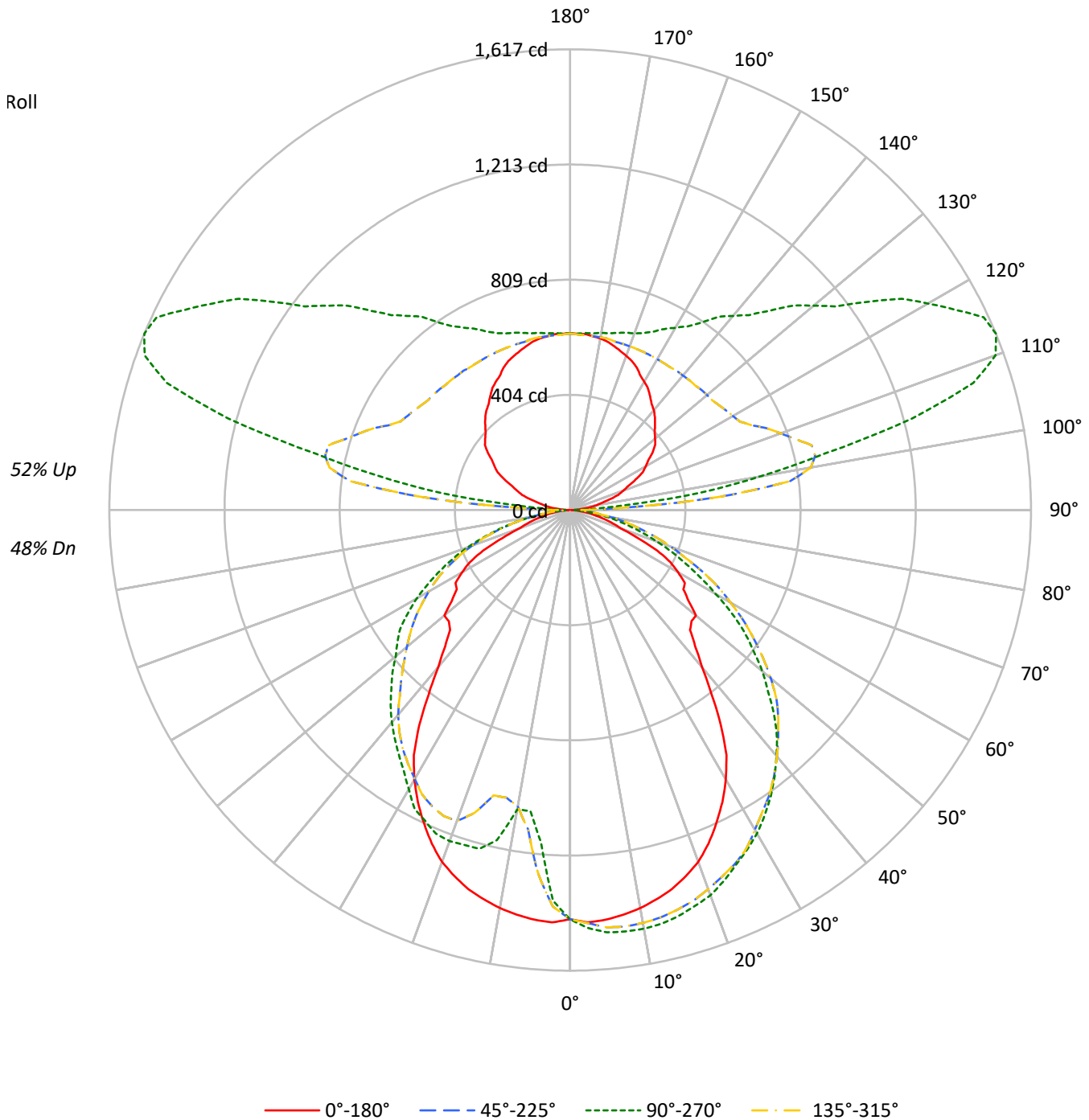
Test Method: LM-79-2019  
Report Number: P935750  
REPORT IS A COMBINATION OF REPORTS P933766 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-125D-930-1D-UNV-STD-W-4  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7742.5 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 75.2  
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





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21
6	63	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12	12

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

	0°	90°	180°	270°
0°	13329	13329	13329	13329
5°	13414	13454	13414	10580
10°	13309	13253	13309	9476
15°	13149	12967	13149	10827
20°	12859	12626	12859	10849
25°	12281	12130	12281	10620
30°	11540	11718	11540	10115
35°	10272	11197	10272	9561
40°	8545	10583	8545	9141
45°	7620	9866	7620	8659
50°	8077	9010	8077	8176
55°	7579	8087	7579	7896
60°	7784	6869	7784	7232
65°	7023	5678	7023	6347
70°	4829	4525	4829	5319
75°	4191	3345	4191	4006
80°	3309	2211	3309	2406
85°	1805	1172	1805	995

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11701 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.7	1.7
10°-20°	368.1	4.8
20°-30°	569.1	7.4
30°-40°	679.4	8.8
40°-50°	683.3	8.8
50°-60°	594.6	7.7
60°-70°	421.6	5.4
70°-80°	223.0	2.9
80°-90°	57.9	0.7
90°-100°	302.0	3.9
100°-110°	793.9	10.3
110°-120°	823.2	10.6
120°-130°	660.3	8.5
130°-140°	518.1	6.7
140°-150°	397.7	5.1
150°-160°	286.4	3.7
160°-170°	175.2	2.3
170°-180°	59.2	0.8
0°-30°	1066.9	13.8
0°-40°	1746.2	22.6
0°-60°	3024.2	39.1
0°-90°	3726.7	48.1
90°-120°	1919.0	24.8
90°-150°	3495.1	45.1
90°-180°	4016.0	51.9
0°-180°	7742.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1436	1436	1436	1436	1436	
5°	1443	1488	1443	1170	1443	137
15°	1378	1474	1378	1231	1378	388
25°	1214	1375	1214	1204	1214	557
35°	923	1227	923	1048	923	571
45°	595	1011	595	887	595	477
55°	485	746	485	728	485	446
65°	337	450	337	503	337	322
75°	128	213	128	256	128	134
85°	22	54	22	46	22	29
90°	4	16	4	16	4	4
95°	40	182	40	182	40	44
105°	143	1243	143	1243	143	152
115°	254	1601	254	1601	254	251
125°	353	1275	353	1275	353	314
135°	421	989	421	989	421	326
145°	488	802	488	802	488	306
155°	552	691	552	691	552	254
165°	596	644	596	644	596	168
175°	620	624	620	624	620	59
180°	620	620	620	620	620	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4
2.5°	1448.6	1448.6	1456.8	1459.5	1459.5	1455.4	1451.3	1455.4	1467.6	1471.7	1470.4
5°	1443.2	1454.1	1469.0	1471.7	1474.5	1473.1	1470.4	1473.1	1486.7	1489.4	1490.8
7.5°	1432.3	1452.7	1471.7	1475.8	1479.8	1475.8	1474.5	1477.2	1490.8	1493.5	1493.5
10°	1418.7	1447.2	1469.0	1471.7	1475.8	1471.7	1471.7	1477.2	1490.8	1493.5	1494.9
12.5°	1399.7	1439.1	1459.5	1462.2	1467.6	1466.3	1464.9	1470.4	1483.9	1486.7	1486.7
15°	1377.9	1424.2	1443.2	1445.9	1455.4	1452.7	1452.7	1458.2	1473.1	1477.2	1475.8
17.5°	1348.1	1405.2	1426.9	1430.9	1437.8	1436.4	1437.8	1443.2	1456.8	1459.5	1460.8
20°	1314.1	1379.3	1405.2	1409.2	1416.0	1416.0	1416.0	1422.8	1436.4	1441.9	1441.9
22.5°	1267.9	1352.2	1379.3	1382.0	1390.2	1390.2	1392.9	1402.4	1414.6	1416.0	1416.0
25°	1213.5	1322.2	1345.3	1353.5	1361.6	1365.7	1369.8	1375.2	1379.3	1377.9	1379.3
27.5°	1156.5	1284.2	1314.1	1319.5	1330.4	1334.5	1339.9	1341.3	1342.6	1346.7	1344.0
30°	1092.6	1231.2	1276.0	1281.5	1299.2	1301.8	1296.4	1299.2	1305.9	1308.6	1311.4
32.5°	1020.5	1152.4	1236.6	1248.8	1265.2	1257.0	1255.7	1259.7	1270.6	1270.6	1273.3
35°	922.7	1091.2	1199.9	1210.8	1223.0	1213.5	1219.0	1220.3	1227.1	1231.2	1229.9
37.5°	815.4	1038.2	1161.9	1170.1	1179.5	1167.3	1175.5	1179.5	1185.0	1182.3	1182.3
40°	720.2	955.3	1117.1	1122.5	1130.6	1121.1	1129.3	1132.0	1134.7	1132.0	1130.6
42.5°	649.5	864.3	1069.5	1076.3	1070.8	1077.6	1080.4	1085.8	1081.7	1076.3	1076.3
45°	595.2	839.9	1017.8	1026.0	1017.8	1028.7	1032.8	1032.8	1020.5	1017.8	1016.5
47.5°	577.5	790.9	966.2	966.2	962.2	975.7	982.5	973.0	960.8	956.7	956.7
50°	576.2	736.5	895.5	890.1	909.2	925.5	918.6	909.2	899.6	884.7	884.7
52.5°	523.2	669.9	804.5	824.8	854.8	864.3	853.4	843.9	827.6	820.8	815.4
55°	485.2	600.6	721.6	762.4	793.6	805.8	785.5	775.9	751.5	747.4	744.7
57.5°	477.0	500.1	645.5	697.2	735.1	733.9	721.6	703.9	683.5	679.5	678.1
60°	437.6	361.5	563.9	625.1	664.5	660.5	649.5	633.2	614.2	611.5	608.8
62.5°	396.8	262.3	471.5	540.8	596.5	595.2	585.7	561.2	547.6	540.8	535.4
65°	337.0	220.2	335.7	449.8	530.0	532.7	512.3	494.6	479.7	471.5	470.2
67.5°	256.8	179.4	226.9	375.1	466.1	463.4	437.6	429.4	410.4	406.3	398.2
70°	190.2	119.6	157.6	304.4	403.6	396.8	376.4	366.9	349.2	339.7	334.3
72.5°	157.6	96.5	115.5	236.5	339.7	331.6	313.9	303.1	288.1	279.9	274.5
75°	127.8	101.9	88.3	175.3	275.8	270.5	254.1	243.2	231.0	220.2	221.5
77.5°	93.8	95.2	70.7	129.1	218.8	210.6	201.2	187.5	182.1	171.2	171.2
80°	70.7	74.8	53.0	88.3	157.6	157.6	149.5	140.0	130.5	125.0	125.0
82.5°	47.5	47.5	39.4	55.7	107.4	103.3	97.8	95.2	89.7	87.0	87.0
85°	21.8	27.1	24.5	34.0	58.5	61.2	61.2	58.5	57.1	54.4	55.7
87.5°	6.8	12.2	14.9	19.0	29.9	31.2	32.6	32.6	32.6	34.0	34.0
90°	4.2	7.5	10.8	11.6	18.3	27.1	31.6	28.0	21.0	15.8	15.8
92.5°	16.6	44.9	73.2	80.2	112.8	156.3	177.9	155.9	112.0	79.0	75.9
95°	39.9	91.6	143.4	156.3	277.6	439.2	520.1	464.1	352.2	268.2	258.6
97.5°	69.0	114.6	160.3	171.7	373.9	643.4	778.3	742.9	672.1	619.0	601.0
100°	91.5	132.9	174.3	184.6	409.0	708.1	857.7	860.3	865.5	869.3	847.7
102.5°	110.6	149.2	187.8	197.5	425.0	728.5	880.2	925.3	1015.5	1083.1	1064.6
105°	143.0	175.8	208.5	216.6	437.0	730.8	877.7	978.8	1180.9	1332.5	1322.5
107.5°	176.3	206.8	237.3	244.9	439.2	698.3	827.8	968.8	1250.8	1462.2	1464.6
110°	198.7	226.3	253.7	260.7	435.9	669.5	786.2	943.8	1259.1	1495.5	1505.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	220.7	247.0	273.2	279.8	435.9	644.2	748.4	909.7	1232.4	1474.3	1490.2
115°	254.0	278.2	302.5	308.5	440.0	615.3	703.0	858.4	1169.2	1402.4	1424.4
117.5°	286.9	308.9	330.9	336.4	448.2	597.4	671.9	812.1	1092.6	1302.9	1327.4
120°	306.0	326.7	347.5	352.6	454.9	591.2	659.4	787.6	1043.8	1236.1	1259.8
122.5°	324.7	345.6	366.5	371.7	464.5	588.0	649.9	765.3	996.0	1169.1	1192.5
125°	353.4	372.4	391.5	396.2	477.3	585.4	639.4	737.5	933.5	1080.5	1102.1
127.5°	376.7	395.9	415.1	419.9	490.2	583.9	630.7	714.8	883.2	1009.5	1027.7
130°	389.1	409.9	430.6	435.7	499.6	584.8	627.4	702.3	852.1	964.6	981.3
132.5°	402.1	422.8	443.5	448.6	507.3	585.4	624.5	691.5	825.7	926.3	941.4
135°	421.2	440.0	458.8	463.6	515.5	584.8	619.5	675.7	788.1	872.3	885.3
137.5°	440.7	459.3	478.0	482.7	528.0	588.4	618.6	666.1	761.1	832.3	842.9
140°	456.9	474.1	491.3	495.6	535.7	589.1	615.7	656.8	738.8	800.4	810.3
142.5°	469.4	485.3	501.2	505.2	542.0	591.2	615.7	651.8	723.8	777.9	786.4
145°	488.5	502.4	516.2	519.7	550.3	591.2	611.6	641.0	700.0	744.2	750.7
147.5°	507.7	521.1	534.6	538.0	562.5	595.2	611.6	634.8	681.2	716.0	721.3
150°	520.1	532.3	544.5	547.6	568.9	597.4	611.6	631.2	670.3	699.7	704.1
152.5°	533.0	542.3	551.5	553.8	573.1	598.7	611.6	628.3	661.8	686.8	690.1
155°	552.1	559.0	565.8	567.5	582.2	601.8	611.6	624.9	651.5	671.5	673.6
157.5°	566.3	572.9	579.5	581.2	591.3	604.8	611.6	621.9	642.6	658.1	659.7
160°	575.8	581.0	586.2	587.5	595.5	606.2	611.6	620.4	638.1	651.5	652.4
162.5°	585.4	589.2	593.2	594.1	599.9	607.7	611.6	619.0	634.0	645.3	646.1
165°	595.7	599.3	602.8	603.7	606.3	609.8	611.6	616.9	627.6	635.7	636.5
167.5°	605.4	607.0	608.7	609.1	611.3	614.3	615.7	619.3	626.3	631.6	632.0
170°	611.6	613.3	614.9	615.3	615.5	615.7	615.7	619.3	626.3	631.6	631.6
172.5°	614.9	615.3	615.7	615.7	615.7	615.7	615.7	618.5	624.0	628.2	627.9
175°	619.5	619.5	619.5	619.5	618.2	616.5	615.7	617.5	621.0	623.6	623.6
177.5°	619.5	619.5	619.5	619.5	618.6	617.2	616.5	617.9	620.7	622.8	622.4
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4
2.5°	1473.1	1469.0	1473.1	1470.4	1471.7	1467.6	1455.4	1451.3	1455.4	1459.5	1459.5
5°	1490.8	1488.0	1490.8	1490.8	1489.4	1486.7	1473.1	1470.4	1473.1	1474.5	1471.7
7.5°	1496.1	1492.1	1496.1	1493.5	1493.5	1490.8	1477.2	1474.5	1475.8	1479.8	1475.8
10°	1496.1	1492.1	1496.1	1494.9	1493.5	1490.8	1477.2	1471.7	1471.7	1475.8	1471.7
12.5°	1489.4	1486.7	1489.4	1486.7	1486.7	1483.9	1470.4	1464.9	1466.3	1467.6	1462.2
15°	1478.5	1474.5	1478.5	1475.8	1477.2	1473.1	1458.2	1452.7	1452.7	1455.4	1445.9
17.5°	1462.2	1456.8	1462.2	1460.8	1459.5	1456.8	1443.2	1437.8	1436.4	1437.8	1430.9
20°	1443.2	1439.1	1443.2	1441.9	1441.9	1436.4	1422.8	1416.0	1416.0	1416.0	1409.2
22.5°	1413.3	1409.2	1413.3	1416.0	1416.0	1414.6	1402.4	1392.9	1390.2	1390.2	1382.0
25°	1379.3	1375.2	1379.3	1379.3	1377.9	1379.3	1375.2	1369.8	1365.7	1361.6	1353.5
27.5°	1346.7	1344.0	1346.7	1344.0	1346.7	1342.6	1341.3	1339.9	1334.5	1330.4	1319.5
30°	1314.1	1311.4	1314.1	1311.4	1308.6	1305.9	1299.2	1296.4	1301.8	1299.2	1281.5
32.5°	1273.3	1270.6	1273.3	1273.3	1270.6	1270.6	1259.7	1255.7	1257.0	1265.2	1248.8
35°	1231.2	1227.1	1231.2	1229.9	1231.2	1227.1	1220.3	1219.0	1213.5	1223.0	1210.8
37.5°	1182.3	1178.2	1182.3	1182.3	1182.3	1185.0	1179.5	1175.5	1167.3	1179.5	1170.1
40°	1132.0	1126.5	1132.0	1130.6	1132.0	1134.7	1132.0	1129.3	1121.1	1130.6	1122.5
42.5°	1074.9	1073.5	1074.9	1076.3	1076.3	1081.7	1085.8	1080.4	1077.6	1070.8	1076.3
45°	1013.8	1011.1	1013.8	1016.5	1017.8	1020.5	1032.8	1032.8	1028.7	1017.8	1026.0
47.5°	948.5	941.8	948.5	956.7	956.7	960.8	973.0	982.5	975.7	962.2	966.2
50°	879.2	880.6	879.2	884.7	884.7	899.6	909.2	918.6	925.5	909.2	890.1
52.5°	811.3	809.9	811.3	815.4	820.8	827.6	843.9	853.4	864.3	854.8	824.8
55°	743.3	746.1	743.3	744.7	747.4	751.5	775.9	785.5	805.8	793.6	762.4
57.5°	675.4	671.3	675.4	678.1	679.5	683.5	703.9	721.6	733.9	735.1	697.2
60°	596.5	591.2	596.5	608.8	611.5	614.2	633.2	649.5	660.5	664.5	625.1
62.5°	527.2	517.8	527.2	535.4	540.8	547.6	561.2	585.7	595.2	596.5	540.8
65°	453.9	449.8	453.9	470.2	471.5	479.7	494.6	512.3	532.7	530.0	449.8
67.5°	387.3	387.3	387.3	398.2	406.3	410.4	429.4	437.6	463.4	466.1	375.1
70°	326.2	324.8	326.2	334.3	339.7	349.2	366.9	376.4	396.8	403.6	304.4
72.5°	267.7	266.4	267.7	274.5	279.9	288.1	303.1	313.9	331.6	339.7	236.5
75°	216.1	213.4	216.1	221.5	220.2	231.0	243.2	254.1	270.5	275.8	175.3
77.5°	165.8	165.8	165.8	171.2	171.2	182.1	187.5	201.2	210.6	218.8	129.1
80°	123.7	122.3	123.7	125.0	125.0	130.5	140.0	149.5	157.6	157.6	88.3
82.5°	87.0	84.2	87.0	87.0	87.0	89.7	95.2	97.8	103.3	107.4	55.7
85°	54.4	54.4	54.4	55.7	54.4	57.1	58.5	61.2	61.2	58.5	34.0
87.5°	35.3	34.0	35.3	34.0	34.0	32.6	32.6	32.6	31.2	29.9	19.0
90°	15.8	15.8	15.8	15.8	15.8	21.0	28.0	31.6	27.1	18.3	11.6
92.5°	63.3	50.7	63.3	75.9	79.0	112.0	155.9	177.9	156.3	112.8	80.2
95°	220.6	182.5	220.6	258.6	268.2	352.2	464.1	520.1	439.2	277.6	156.3
97.5°	528.5	456.1	528.5	601.0	619.0	672.1	742.9	778.3	643.4	373.9	171.7
100°	761.5	675.2	761.5	847.7	869.3	865.5	860.3	857.7	708.1	409.0	184.6
102.5°	990.7	916.8	990.7	1064.6	1083.1	1015.5	925.3	880.2	728.5	425.0	197.5
105°	1282.9	1243.1	1282.9	1322.5	1332.5	1180.9	978.8	877.7	730.8	437.0	216.6
107.5°	1474.2	1483.9	1474.2	1464.6	1462.2	1250.8	968.8	827.8	698.3	439.2	244.9
110°	1547.2	1588.6	1547.2	1505.9	1495.5	1259.1	943.8	786.2	669.5	435.9	260.7





TEST NUMBER: P935750

CATALOG NUMBER: SQ4-FA-125U-125D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1553.7	1617.3	1553.7	1490.2	1474.3	1232.4	909.7	748.4	644.2	435.9	279.8
115°	1512.5	1600.7	1512.5	1424.4	1402.4	1169.2	858.4	703.0	615.3	440.0	308.5
117.5°	1425.2	1522.9	1425.2	1327.4	1302.9	1092.6	812.1	671.9	597.4	448.2	336.4
120°	1354.7	1449.7	1354.7	1259.8	1236.1	1043.8	787.6	659.4	591.2	454.9	352.6
122.5°	1286.2	1379.9	1286.2	1192.5	1169.1	996.0	765.3	649.9	588.0	464.5	371.7
125°	1188.4	1274.7	1188.4	1102.1	1080.5	933.5	737.5	639.4	585.4	477.3	396.2
127.5°	1100.4	1173.3	1100.4	1027.7	1009.5	883.2	714.8	630.7	583.9	490.2	419.9
130°	1048.6	1115.9	1048.6	981.3	964.6	852.1	702.3	627.4	584.8	499.6	435.7
132.5°	1001.6	1061.8	1001.6	941.4	926.3	825.7	691.5	624.5	585.4	507.3	448.6
135°	937.2	989.1	937.2	885.3	872.3	788.1	675.7	619.5	584.8	515.5	463.6
137.5°	885.5	927.9	885.5	842.9	832.3	761.1	666.1	618.6	588.4	528.0	482.7
140°	850.0	889.7	850.0	810.3	800.4	738.8	656.8	615.7	589.1	535.7	495.6
142.5°	820.6	854.8	820.6	786.4	777.9	723.8	651.8	615.7	591.2	542.0	505.2
145°	776.6	802.4	776.6	750.7	744.2	700.0	641.0	611.6	591.2	550.3	519.7
147.5°	742.7	764.1	742.7	721.3	716.0	681.2	634.8	611.6	595.2	562.5	538.0
150°	721.5	738.8	721.5	704.1	699.7	670.3	631.2	611.6	597.4	568.9	547.6
152.5°	703.2	716.4	703.2	690.1	686.8	661.8	628.3	611.6	598.7	573.1	553.8
155°	682.3	691.0	682.3	673.6	671.5	651.5	624.9	611.6	601.8	582.2	567.5
157.5°	665.8	671.9	665.8	659.7	658.1	642.6	621.9	611.6	604.8	591.3	581.2
160°	655.9	659.4	655.9	652.4	651.5	638.1	620.4	611.6	606.2	595.5	587.5
162.5°	649.5	652.8	649.5	646.1	645.3	634.0	619.0	611.6	607.7	599.9	594.1
165°	640.1	643.6	640.1	636.5	635.7	627.6	616.9	611.6	609.8	606.3	603.7
167.5°	633.4	634.9	633.4	632.0	631.6	626.3	619.3	615.7	614.3	611.3	609.1
170°	631.6	631.6	631.6	631.6	631.6	626.3	619.3	615.7	615.7	615.5	615.3
172.5°	626.6	625.3	626.6	627.9	628.2	624.0	618.5	615.7	615.7	615.7	615.7
175°	623.6	623.6	623.6	623.6	623.6	621.0	617.5	615.7	616.5	618.2	619.5
177.5°	621.0	619.5	621.0	622.4	622.8	620.7	617.9	616.5	617.2	618.6	619.5
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5



TEST NUMBER: P935750

CATALOG NUMBER: SQ4-FA-125U-125D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4
2.5°	1456.8	1448.6	1448.6	1435.0	1429.6	1425.5	1418.7	1398.3	1392.9	1387.5	1395.6
5°	1469.0	1454.1	1443.2	1418.7	1398.3	1390.2	1364.4	1315.5	1282.9	1258.4	1244.8
7.5°	1471.7	1452.7	1432.3	1394.2	1345.3	1323.6	1244.8	1155.1	1130.6	1108.9	1095.3
10°	1469.0	1447.2	1418.7	1361.6	1246.2	1208.1	1129.3	1070.8	1055.9	1051.8	1055.9
12.5°	1459.5	1439.1	1399.7	1304.6	1142.8	1117.1	1070.8	1036.8	1034.2	1040.9	1077.6
15°	1443.2	1424.2	1377.9	1228.5	1085.8	1066.8	1034.2	1021.9	1036.8	1084.5	1194.5
17.5°	1426.9	1405.2	1348.1	1153.8	1042.3	1028.7	1005.6	1030.1	1114.3	1178.2	1214.9
20°	1405.2	1379.3	1314.1	1099.4	1011.1	998.9	987.9	1098.0	1161.9	1185.0	1205.4
22.5°	1379.3	1352.2	1267.9	1061.3	978.5	968.9	975.7	1136.1	1161.9	1178.2	1195.8
25°	1345.3	1322.2	1213.5	1031.5	952.6	941.8	967.5	1132.0	1146.9	1151.0	1186.4
27.5°	1314.1	1284.2	1156.5	1004.2	921.4	917.3	974.4	1114.3	1125.2	1129.3	1167.3
30°	1276.0	1231.2	1092.6	975.7	888.8	887.4	975.7	1092.6	1089.8	1100.8	1138.8
32.5°	1236.6	1152.4	1020.5	940.4	857.5	856.2	966.2	1060.0	1057.2	1072.2	1100.8
35°	1199.9	1091.2	922.7	899.6	818.1	819.5	943.1	1021.9	1023.3	1036.8	1054.5
37.5°	1161.9	1038.2	815.4	854.8	780.0	780.0	911.8	986.6	983.8	987.9	1012.4
40°	1117.1	955.3	720.2	796.3	744.7	740.6	873.8	948.5	939.0	937.7	971.6
42.5°	1069.5	864.3	649.5	718.8	703.9	698.5	827.6	902.3	884.7	888.8	932.2
45°	1017.8	839.9	595.2	607.5	661.8	657.7	777.3	849.3	837.1	848.0	892.9
47.5°	966.2	790.9	577.5	504.2	616.9	615.6	721.6	797.7	790.9	801.8	849.3
50°	895.5	736.5	576.2	432.2	566.7	572.1	655.0	747.4	747.4	756.9	807.2
52.5°	804.5	669.9	523.2	391.4	508.2	524.5	596.5	703.9	706.6	716.2	761.0
55°	721.6	600.6	485.2	360.1	438.9	474.3	539.5	659.1	664.5	674.0	714.8
57.5°	645.5	500.1	477.0	323.4	375.1	409.0	489.2	615.6	618.3	626.5	665.8
60°	563.9	361.5	437.6	284.0	319.4	345.1	443.0	563.9	573.5	578.9	612.8
62.5°	471.5	262.3	396.8	256.8	292.1	297.6	405.0	515.0	527.2	531.3	551.7
65°	335.7	220.2	337.0	233.8	263.6	265.0	364.2	464.8	475.6	482.4	497.4
67.5°	226.9	179.4	256.8	212.0	241.9	243.2	324.8	406.3	421.3	426.7	436.2
70°	157.6	119.6	190.2	188.9	217.5	220.2	282.7	353.3	366.9	371.0	376.4
72.5°	115.5	96.5	157.6	169.8	191.6	194.3	239.1	293.5	307.1	311.2	313.9
75°	88.3	101.9	127.8	148.2	163.1	164.5	195.7	239.1	248.7	251.4	252.8
77.5°	70.7	95.2	93.8	119.6	133.1	130.5	153.5	184.9	193.0	193.0	193.0
80°	53.0	74.8	70.7	85.6	97.8	95.2	110.1	131.9	134.5	137.2	135.9
82.5°	39.4	47.5	47.5	54.4	65.2	62.5	73.4	85.6	85.6	85.6	88.3
85°	24.5	27.1	21.8	28.5	36.7	35.3	40.8	46.2	47.5	47.5	44.8
87.5°	14.9	12.2	6.8	10.8	16.3	16.3	19.0	20.4	19.0	19.0	19.0
90°	10.8	7.5	4.2	7.5	10.8	11.6	18.3	27.1	31.6	28.0	21.0
92.5°	73.2	44.9	16.6	44.9	73.2	80.2	112.8	156.3	177.9	155.9	112.0
95°	143.4	91.6	39.9	91.6	143.4	156.3	277.6	439.2	520.1	464.1	352.2
97.5°	160.3	114.6	69.0	114.6	160.3	171.7	373.9	643.4	778.3	742.9	672.1
100°	174.3	132.9	91.5	132.9	174.3	184.6	409.0	708.1	857.7	860.3	865.5
102.5°	187.8	149.2	110.6	149.2	187.8	197.5	425.0	728.5	880.2	925.3	1015.5
105°	208.5	175.8	143.0	175.8	208.5	216.6	437.0	730.8	877.7	978.8	1180.9
107.5°	237.3	206.8	176.3	206.8	237.3	244.9	439.2	698.3	827.8	968.8	1250.8
110°	253.7	226.3	198.7	226.3	253.7	260.7	435.9	669.5	786.2	943.8	1259.1



TEST NUMBER: P935750

CATALOG NUMBER: SQ4-FA-125U-125D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	273.2	247.0	220.7	247.0	273.2	279.8	435.9	644.2	748.4	909.7	1232.4
115°	302.5	278.2	254.0	278.2	302.5	308.5	440.0	615.3	703.0	858.4	1169.2
117.5°	330.9	308.9	286.9	308.9	330.9	336.4	448.2	597.4	671.9	812.1	1092.6
120°	347.5	326.7	306.0	326.7	347.5	352.6	454.9	591.2	659.4	787.6	1043.8
122.5°	366.5	345.6	324.7	345.6	366.5	371.7	464.5	588.0	649.9	765.3	996.0
125°	391.5	372.4	353.4	372.4	391.5	396.2	477.3	585.4	639.4	737.5	933.5
127.5°	415.1	395.9	376.7	395.9	415.1	419.9	490.2	583.9	630.7	714.8	883.2
130°	430.6	409.9	389.1	409.9	430.6	435.7	499.6	584.8	627.4	702.3	852.1
132.5°	443.5	422.8	402.1	422.8	443.5	448.6	507.3	585.4	624.5	691.5	825.7
135°	458.8	440.0	421.2	440.0	458.8	463.6	515.5	584.8	619.5	675.7	788.1
137.5°	478.0	459.3	440.7	459.3	478.0	482.7	528.0	588.4	618.6	666.1	761.1
140°	491.3	474.1	456.9	474.1	491.3	495.6	535.7	589.1	615.7	656.8	738.8
142.5°	501.2	485.3	469.4	485.3	501.2	505.2	542.0	591.2	615.7	651.8	723.8
145°	516.2	502.4	488.5	502.4	516.2	519.7	550.3	591.2	611.6	641.0	700.0
147.5°	534.6	521.1	507.7	521.1	534.6	538.0	562.5	595.2	611.6	634.8	681.2
150°	544.5	532.3	520.1	532.3	544.5	547.6	568.9	597.4	611.6	631.2	670.3
152.5°	551.5	542.3	533.0	542.3	551.5	553.8	573.1	598.7	611.6	628.3	661.8
155°	565.8	559.0	552.1	559.0	565.8	567.5	582.2	601.8	611.6	624.9	651.5
157.5°	579.5	572.9	566.3	572.9	579.5	581.2	591.3	604.8	611.6	621.9	642.6
160°	586.2	581.0	575.8	581.0	586.2	587.5	595.5	606.2	611.6	620.4	638.1
162.5°	593.2	589.2	585.4	589.2	593.2	594.1	599.9	607.7	611.6	619.0	634.0
165°	602.8	599.3	595.7	599.3	602.8	603.7	606.3	609.8	611.6	616.9	627.6
167.5°	608.7	607.0	605.4	607.0	608.7	609.1	611.3	614.3	615.7	619.3	626.3
170°	614.9	613.3	611.6	613.3	614.9	615.3	615.5	615.7	615.7	619.3	626.3
172.5°	615.7	615.3	614.9	615.3	615.7	615.7	615.7	615.7	615.7	618.5	624.0
175°	619.5	619.5	619.5	619.5	619.5	619.5	618.2	616.5	615.7	617.5	621.0
177.5°	619.5	619.5	619.5	619.5	619.5	619.5	618.6	617.2	616.5	617.9	620.7
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5



TEST NUMBER: P935750  
 CATALOG NUMBER: SQ4-FA-125U-125D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4	1436.4
2.5°	1386.1	1382.0	1387.5	1372.5	1387.5	1382.0	1386.1	1395.6	1387.5	1392.9	1398.3
5°	1216.2	1209.5	1187.7	1170.1	1187.7	1209.5	1216.2	1244.8	1258.4	1282.9	1315.5
7.5°	1087.2	1081.7	1076.3	1065.4	1076.3	1081.7	1087.2	1095.3	1108.9	1130.6	1155.1
10°	1058.6	1060.0	1068.2	1066.8	1068.2	1060.0	1058.6	1055.9	1051.8	1055.9	1070.8
12.5°	1132.0	1144.2	1189.1	1186.4	1189.1	1144.2	1132.0	1077.6	1040.9	1034.2	1036.8
15°	1216.2	1220.3	1229.9	1231.2	1229.9	1220.3	1216.2	1194.5	1084.5	1036.8	1021.9
17.5°	1224.4	1225.8	1232.5	1232.5	1232.5	1225.8	1224.4	1214.9	1178.2	1114.3	1030.1
20°	1217.6	1220.3	1233.9	1236.6	1233.9	1220.3	1217.6	1205.4	1185.0	1161.9	1098.0
22.5°	1214.9	1220.3	1231.2	1229.9	1231.2	1220.3	1214.9	1195.8	1178.2	1161.9	1136.1
25°	1201.3	1201.3	1202.7	1204.0	1202.7	1201.3	1201.3	1186.4	1151.0	1146.9	1132.0
27.5°	1172.8	1175.5	1183.6	1182.3	1183.6	1175.5	1172.8	1167.3	1129.3	1125.2	1114.3
30°	1146.9	1144.2	1137.4	1132.0	1137.4	1144.2	1146.9	1138.8	1100.8	1089.8	1092.6
32.5°	1103.5	1096.7	1089.8	1085.8	1089.8	1096.7	1103.5	1100.8	1072.2	1057.2	1060.0
35°	1051.8	1053.1	1051.8	1047.8	1051.8	1053.1	1051.8	1054.5	1036.8	1023.3	1021.9
37.5°	1015.2	1017.8	1016.5	1011.1	1016.5	1017.8	1015.2	1012.4	987.9	983.8	986.6
40°	977.1	978.5	977.1	973.0	977.1	978.5	977.1	971.6	937.7	939.0	948.5
42.5°	940.4	939.0	934.9	932.2	934.9	939.0	940.4	932.2	888.8	884.7	902.3
45°	898.2	899.6	891.5	887.4	891.5	899.6	898.2	892.9	848.0	837.1	849.3
47.5°	856.2	856.2	849.3	845.2	849.3	856.2	856.2	849.3	801.8	790.9	797.7
50°	811.3	809.9	800.4	799.1	800.4	809.9	811.3	807.2	756.9	747.4	747.4
52.5°	759.6	759.6	761.0	763.7	761.0	759.6	759.6	761.0	716.2	706.6	703.9
55°	714.8	716.2	725.7	728.4	725.7	716.2	714.8	714.8	674.0	664.5	659.1
57.5°	668.6	668.6	675.4	675.4	675.4	668.6	668.6	665.8	626.5	618.3	615.6
60°	615.6	618.3	623.8	622.4	623.8	618.3	615.6	612.8	578.9	573.5	563.9
62.5°	559.9	562.6	563.9	561.2	563.9	562.6	559.9	551.7	531.3	527.2	515.0
65°	501.5	504.2	505.5	502.8	505.5	504.2	501.5	497.4	482.4	475.6	464.8
67.5°	441.6	440.3	438.9	444.4	438.9	440.3	441.6	436.2	426.7	421.3	406.3
70°	380.5	380.5	379.2	381.8	379.2	380.5	380.5	376.4	371.0	366.9	353.3
72.5°	315.3	313.9	319.4	315.3	319.4	313.9	315.3	313.9	311.2	307.1	293.5
75°	251.4	254.1	251.4	255.5	251.4	254.1	251.4	252.8	251.4	248.7	239.1
77.5°	191.6	194.3	191.6	191.6	191.6	194.3	191.6	193.0	193.0	193.0	184.9
80°	135.9	134.5	134.5	133.1	134.5	134.5	135.9	135.9	137.2	134.5	131.9
82.5°	87.0	85.6	85.6	88.3	85.6	85.6	87.0	88.3	85.6	85.6	85.6
85°	47.5	48.9	46.2	46.2	46.2	48.9	47.5	44.8	47.5	47.5	46.2
87.5°	17.7	16.3	16.3	16.3	16.3	16.3	17.7	19.0	19.0	19.0	20.4
90°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	21.0	28.0	31.6	27.1
92.5°	79.0	75.9	63.3	50.7	63.3	75.9	79.0	112.0	155.9	177.9	156.3
95°	268.2	258.6	220.6	182.5	220.6	258.6	268.2	352.2	464.1	520.1	439.2
97.5°	619.0	601.0	528.5	456.1	528.5	601.0	619.0	672.1	742.9	778.3	643.4
100°	869.3	847.7	761.5	675.2	761.5	847.7	869.3	865.5	860.3	857.7	708.1
102.5°	1083.1	1064.6	990.7	916.8	990.7	1064.6	1083.1	1015.5	925.3	880.2	728.5
105°	1332.5	1322.5	1282.9	1243.1	1282.9	1322.5	1332.5	1180.9	978.8	877.7	730.8
107.5°	1462.2	1464.6	1474.2	1483.9	1474.2	1464.6	1462.2	1250.8	968.8	827.8	698.3
110°	1495.5	1505.9	1547.2	1588.6	1547.2	1505.9	1495.5	1259.1	943.8	786.2	669.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1474.3	1490.2	1553.7	1617.3	1553.7	1490.2	1474.3	1232.4	909.7	748.4	644.2
115°	1402.4	1424.4	1512.5	1600.7	1512.5	1424.4	1402.4	1169.2	858.4	703.0	615.3
117.5°	1302.9	1327.4	1425.2	1522.9	1425.2	1327.4	1302.9	1092.6	812.1	671.9	597.4
120°	1236.1	1259.8	1354.7	1449.7	1354.7	1259.8	1236.1	1043.8	787.6	659.4	591.2
122.5°	1169.1	1192.5	1286.2	1379.9	1286.2	1192.5	1169.1	996.0	765.3	649.9	588.0
125°	1080.5	1102.1	1188.4	1274.7	1188.4	1102.1	1080.5	933.5	737.5	639.4	585.4
127.5°	1009.5	1027.7	1100.4	1173.3	1100.4	1027.7	1009.5	883.2	714.8	630.7	583.9
130°	964.6	981.3	1048.6	1115.9	1048.6	981.3	964.6	852.1	702.3	627.4	584.8
132.5°	926.3	941.4	1001.6	1061.8	1001.6	941.4	926.3	825.7	691.5	624.5	585.4
135°	872.3	885.3	937.2	989.1	937.2	885.3	872.3	788.1	675.7	619.5	584.8
137.5°	832.3	842.9	885.5	927.9	885.5	842.9	832.3	761.1	666.1	618.6	588.4
140°	800.4	810.3	850.0	889.7	850.0	810.3	800.4	738.8	656.8	615.7	589.1
142.5°	777.9	786.4	820.6	854.8	820.6	786.4	777.9	723.8	651.8	615.7	591.2
145°	744.2	750.7	776.6	802.4	776.6	750.7	744.2	700.0	641.0	611.6	591.2
147.5°	716.0	721.3	742.7	764.1	742.7	721.3	716.0	681.2	634.8	611.6	595.2
150°	699.7	704.1	721.5	738.8	721.5	704.1	699.7	670.3	631.2	611.6	597.4
152.5°	686.8	690.1	703.2	716.4	703.2	690.1	686.8	661.8	628.3	611.6	598.7
155°	671.5	673.6	682.3	691.0	682.3	673.6	671.5	651.5	624.9	611.6	601.8
157.5°	658.1	659.7	665.8	671.9	665.8	659.7	658.1	642.6	621.9	611.6	604.8
160°	651.5	652.4	655.9	659.4	655.9	652.4	651.5	638.1	620.4	611.6	606.2
162.5°	645.3	646.1	649.5	652.8	649.5	646.1	645.3	634.0	619.0	611.6	607.7
165°	635.7	636.5	640.1	643.6	640.1	636.5	635.7	627.6	616.9	611.6	609.8
167.5°	631.6	632.0	633.4	634.9	633.4	632.0	631.6	626.3	619.3	615.7	614.3
170°	631.6	631.6	631.6	631.6	631.6	631.6	631.6	626.3	619.3	615.7	615.7
172.5°	628.2	627.9	626.6	625.3	626.6	627.9	628.2	624.0	618.5	615.7	615.7
175°	623.6	623.6	623.6	623.6	623.6	623.6	623.6	621.0	617.5	615.7	616.5
177.5°	622.8	622.4	621.0	619.5	621.0	622.4	622.8	620.7	617.9	616.5	617.2
180°	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5	619.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1436.4	1436.4	1436.4	1436.4	1436.4
2.5°	1418.7	1425.5	1429.6	1435.0	1448.6
5°	1364.4	1390.2	1398.3	1418.7	1443.2
7.5°	1244.8	1323.6	1345.3	1394.2	1432.3
10°	1129.3	1208.1	1246.2	1361.6	1418.7
12.5°	1070.8	1117.1	1142.8	1304.6	1399.7
15°	1034.2	1066.8	1085.8	1228.5	1377.9
17.5°	1005.6	1028.7	1042.3	1153.8	1348.1
20°	987.9	998.9	1011.1	1099.4	1314.1
22.5°	975.7	968.9	978.5	1061.3	1267.9
25°	967.5	941.8	952.6	1031.5	1213.5
27.5°	974.4	917.3	921.4	1004.2	1156.5
30°	975.7	887.4	888.8	975.7	1092.6
32.5°	966.2	856.2	857.5	940.4	1020.5
35°	943.1	819.5	818.1	899.6	922.7
37.5°	911.8	780.0	780.0	854.8	815.4
40°	873.8	740.6	744.7	796.3	720.2
42.5°	827.6	698.5	703.9	718.8	649.5
45°	777.3	657.7	661.8	607.5	595.2
47.5°	721.6	615.6	616.9	504.2	577.5
50°	655.0	572.1	566.7	432.2	576.2
52.5°	596.5	524.5	508.2	391.4	523.2
55°	539.5	474.3	438.9	360.1	485.2
57.5°	489.2	409.0	375.1	323.4	477.0
60°	443.0	345.1	319.4	284.0	437.6
62.5°	405.0	297.6	292.1	256.8	396.8
65°	364.2	265.0	263.6	233.8	337.0
67.5°	324.8	243.2	241.9	212.0	256.8
70°	282.7	220.2	217.5	188.9	190.2
72.5°	239.1	194.3	191.6	169.8	157.6
75°	195.7	164.5	163.1	148.2	127.8
77.5°	153.5	130.5	133.1	119.6	93.8
80°	110.1	95.2	97.8	85.6	70.7
82.5°	73.4	62.5	65.2	54.4	47.5
85°	40.8	35.3	36.7	28.5	21.8
87.5°	19.0	16.3	16.3	10.8	6.8
90°	18.3	11.6	10.8	7.5	4.2
92.5°	112.8	80.2	73.2	44.9	16.6
95°	277.6	156.3	143.4	91.6	39.9
97.5°	373.9	171.7	160.3	114.6	69.0
100°	409.0	184.6	174.3	132.9	91.5
102.5°	425.0	197.5	187.8	149.2	110.6
105°	437.0	216.6	208.5	175.8	143.0
107.5°	439.2	244.9	237.3	206.8	176.3
110°	435.9	260.7	253.7	226.3	198.7



TEST NUMBER: P935750

CATALOG NUMBER: SQ4-FA-125U-125D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	435.9	279.8	273.2	247.0	220.7
115°	440.0	308.5	302.5	278.2	254.0
117.5°	448.2	336.4	330.9	308.9	286.9
120°	454.9	352.6	347.5	326.7	306.0
122.5°	464.5	371.7	366.5	345.6	324.7
125°	477.3	396.2	391.5	372.4	353.4
127.5°	490.2	419.9	415.1	395.9	376.7
130°	499.6	435.7	430.6	409.9	389.1
132.5°	507.3	448.6	443.5	422.8	402.1
135°	515.5	463.6	458.8	440.0	421.2
137.5°	528.0	482.7	478.0	459.3	440.7
140°	535.7	495.6	491.3	474.1	456.9
142.5°	542.0	505.2	501.2	485.3	469.4
145°	550.3	519.7	516.2	502.4	488.5
147.5°	562.5	538.0	534.6	521.1	507.7
150°	568.9	547.6	544.5	532.3	520.1
152.5°	573.1	553.8	551.5	542.3	533.0
155°	582.2	567.5	565.8	559.0	552.1
157.5°	591.3	581.2	579.5	572.9	566.3
160°	595.5	587.5	586.2	581.0	575.8
162.5°	599.9	594.1	593.2	589.2	585.4
165°	606.3	603.7	602.8	599.3	595.7
167.5°	611.3	609.1	608.7	607.0	605.4
170°	615.5	615.3	614.9	613.3	611.6
172.5°	615.7	615.7	615.7	615.3	614.9
175°	618.2	619.5	619.5	619.5	619.5
177.5°	618.6	619.5	619.5	619.5	619.5
180°	619.5	619.5	619.5	619.5	619.5



TEST NUMBER: P935750  
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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	13.62	14.46	14.59	15.45	16.75	16.41	17.26	17.39	18.25	19.54
	3H	14.09	14.85	15.08	15.85	17.16	17.75	18.51	18.73	19.50	20.82
	4H	14.28	15.00	15.28	16.00	17.33	18.19	18.90	19.18	19.90	21.23
	6H	14.40	15.06	15.41	16.07	17.41	18.46	19.12	19.47	20.13	21.47
	8H	14.40	15.03	15.42	16.05	17.39	18.53	19.16	19.55	20.18	21.52
	12H	14.37	14.97	15.39	15.98	17.35	18.57	19.16	19.58	20.18	21.54
4H	2H	14.64	15.36	15.64	16.36	17.68	16.82	17.54	17.83	18.54	19.87
	3H	15.66	16.26	16.68	17.29	18.63	18.32	18.91	19.33	19.94	21.28
	4H	15.94	16.49	16.96	17.51	18.87	18.84	19.38	19.86	20.40	21.77
	6H	16.06	16.53	17.10	17.58	18.94	19.19	19.66	20.23	20.71	22.07
	8H	16.07	16.51	17.10	17.55	18.92	19.30	19.73	20.33	20.77	22.15
	12H	16.04	16.43	17.09	17.48	18.87	19.35	19.74	20.40	20.80	22.18
8H	4H	16.39	16.83	17.42	17.86	19.24	18.96	19.40	19.99	20.44	21.81
	6H	16.65	17.01	17.70	18.09	19.46	19.39	19.75	20.45	20.83	22.20
	8H	16.69	17.01	17.75	18.07	19.47	19.54	19.86	20.60	20.92	22.31
	12H	16.67	16.95	17.74	18.01	19.45	19.63	19.91	20.70	20.97	22.40
12H	4H	16.39	16.79	17.44	17.84	19.22	18.93	19.32	19.98	20.37	21.76
	6H	16.71	17.03	17.77	18.09	19.48	19.39	19.71	20.45	20.77	22.16
	8H	16.77	17.05	17.84	18.11	19.55	19.54	19.82	20.61	20.88	22.32