

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: P934775

Luminaire Tested: SQ4-FA-075U-075D-940-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934775
REPORT IS A COMBINATION OF REPORTS P933711 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-940-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

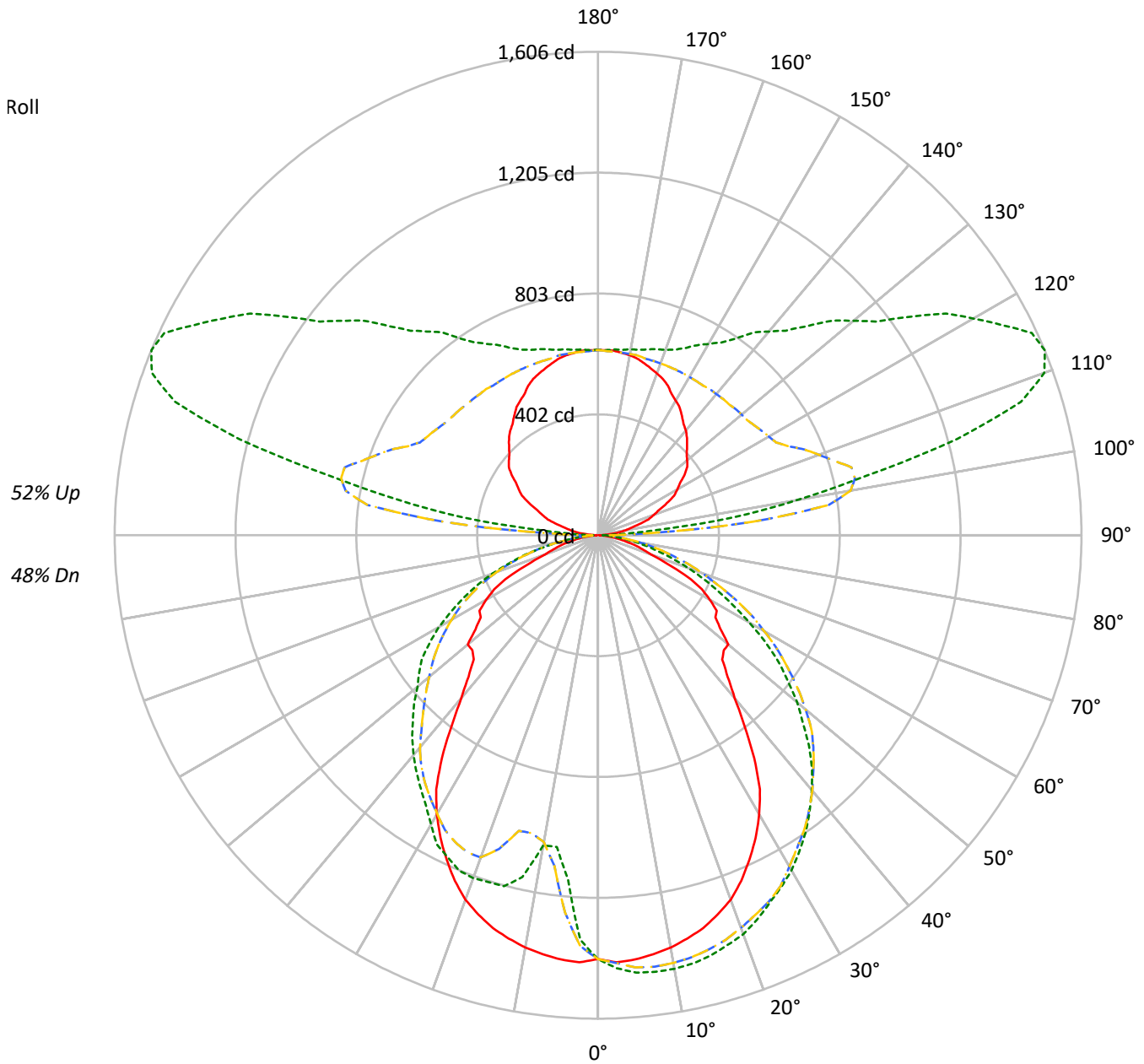
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7641.2 lumens
Efficiency: N/A
Efficacy: 120.1 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: General Diffuse

Input Watts (W): 63.6
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: P934775
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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				
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	89	86	82	79	72	70	68	60	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29	29	29	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21	21	21	21
6	62	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	30	26	30	26	23	25	22	19	17	17	17	17
8	54	41	33	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	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8709	8709	8709	8709
5°	8772	8792	8772	6913
10°	8710	8660	8710	6192
15°	8611	8473	8611	7075
20°	8428	8251	8428	7090
25°	8057	7926	8057	6940
30°	7577	7657	7577	6610
35°	6751	7317	6751	6247
40°	5623	6916	5623	5973
45°	5020	6447	5020	5658
50°	5330	5887	5330	5342
55°	5009	5285	5009	5160
60°	5158	4488	5158	4726
65°	4668	3710	4668	4147
70°	3226	2956	3226	3476
75°	2817	2185	2817	2617
80°	2256	1445	2256	1573
85°	1270	766	1270	651

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7700 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	1.7
10°-20°	360.8	4.7
20°-30°	557.8	7.3
30°-40°	665.9	8.7
40°-50°	669.8	8.8
50°-60°	582.8	7.6
60°-70°	413.2	5.4
70°-80°	218.6	2.9
80°-90°	56.8	0.7
90°-100°	299.9	3.9
100°-110°	788.5	10.3
110°-120°	817.5	10.7
120°-130°	655.8	8.6
130°-140°	514.5	6.7
140°-150°	394.9	5.2
150°-160°	284.4	3.7
160°-170°	174.0	2.3
170°-180°	58.8	0.8
0°-30°	1045.7	13.7
0°-40°	1711.6	22.4
0°-60°	2964.2	38.8
0°-90°	3652.8	47.8
90°-120°	1905.9	24.9
90°-150°	3471.1	45.4
90°-180°	3988.0	52.2
0°-180°	7641.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1408	1408	1408	1408	1408	
5°	1415	1458	1415	1147	1415	134
15°	1351	1445	1351	1207	1351	380
25°	1190	1348	1190	1180	1190	546
35°	904	1203	904	1027	904	560
45°	583	991	583	870	583	467
55°	476	731	476	714	476	437
65°	330	441	330	493	330	316
75°	125	209	125	250	125	132
85°	21	53	21	45	21	29
90°	4	16	4	16	4	4
95°	40	181	40	181	40	44
105°	142	1235	142	1235	142	151
115°	252	1590	252	1590	252	249
125°	351	1266	351	1266	351	312
135°	418	982	418	982	418	324
145°	485	797	485	797	485	304
155°	548	686	548	686	548	252
165°	592	639	592	639	592	167
175°	615	619	615	619	615	58
180°	615	615	615	615	615	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1419.9	1419.9	1427.9	1430.6	1430.6	1426.6	1422.6	1426.6	1438.6	1442.6	1441.2
5°	1414.6	1425.2	1439.9	1442.6	1445.2	1443.9	1441.2	1443.9	1457.2	1459.9	1461.2
7.5°	1403.9	1423.9	1442.6	1446.6	1450.5	1446.6	1445.2	1447.9	1461.2	1463.9	1463.9
10°	1390.6	1418.6	1439.9	1442.6	1446.6	1442.6	1442.6	1447.9	1461.2	1463.9	1465.2
12.5°	1372.0	1410.6	1430.6	1433.2	1438.6	1437.2	1435.9	1441.2	1454.5	1457.2	1457.2
15°	1350.6	1395.9	1414.6	1417.2	1426.6	1423.9	1423.9	1429.2	1443.9	1447.9	1446.6
17.5°	1321.3	1377.3	1398.6	1402.6	1409.3	1407.9	1409.3	1414.6	1427.9	1430.6	1431.9
20°	1288.0	1352.0	1377.3	1381.3	1387.9	1387.9	1387.9	1394.6	1407.9	1413.3	1413.3
22.5°	1242.8	1325.3	1352.0	1354.6	1362.6	1362.6	1365.3	1374.6	1386.6	1387.9	1387.9
25°	1189.5	1296.0	1318.7	1326.7	1334.7	1338.7	1342.7	1348.0	1352.0	1350.6	1352.0
27.5°	1133.5	1258.7	1288.0	1293.4	1304.0	1308.0	1313.4	1314.7	1316.0	1320.0	1317.3
30°	1070.9	1206.8	1250.7	1256.1	1273.4	1276.1	1270.7	1273.4	1280.1	1282.7	1285.4
32.5°	1000.3	1129.5	1212.1	1224.1	1240.1	1232.1	1230.8	1234.8	1245.4	1245.4	1248.1
35°	904.4	1069.6	1176.2	1186.8	1198.8	1189.5	1194.8	1196.1	1202.8	1206.8	1205.5
37.5°	799.2	1017.6	1138.9	1146.9	1156.2	1144.2	1152.2	1156.2	1161.5	1158.8	1158.8
40°	706.0	936.4	1094.9	1100.2	1108.2	1098.9	1106.9	1109.6	1112.2	1109.6	1108.2
42.5°	636.7	847.2	1048.3	1054.9	1049.6	1056.3	1058.9	1064.3	1060.3	1054.9	1054.9
45°	583.4	823.2	997.7	1005.7	997.7	1008.3	1012.3	1012.3	1000.3	997.7	996.3
47.5°	566.1	775.2	947.1	947.1	943.1	956.4	963.0	953.7	941.7	937.7	937.7
50°	564.8	721.9	877.8	872.5	891.1	907.1	900.4	891.1	881.8	867.1	867.1
52.5°	512.8	656.7	788.5	808.5	837.8	847.2	836.5	827.2	811.2	804.5	799.2
55°	475.5	588.7	707.3	747.3	777.9	789.9	769.9	760.6	736.6	732.6	729.9
57.5°	467.5	490.2	632.7	683.3	720.6	719.3	707.3	690.0	670.0	666.0	664.7
60°	428.9	354.3	552.8	612.7	651.3	647.4	636.7	620.7	602.1	599.4	596.7
62.5°	388.9	257.1	462.2	530.1	584.7	583.4	574.1	550.1	536.8	530.1	524.8
65°	330.3	215.8	329.0	440.9	519.5	522.1	502.2	484.8	470.2	462.2	460.9
67.5°	251.7	175.8	222.4	367.6	456.9	454.2	428.9	420.9	402.3	398.3	390.3
70°	186.5	117.2	154.5	298.4	395.6	388.9	369.0	359.6	342.3	333.0	327.7
72.5°	154.5	94.6	113.2	231.8	333.0	325.0	307.7	297.0	282.4	274.4	269.1
75°	125.2	99.9	86.6	171.8	270.4	265.1	249.1	238.4	226.4	215.8	217.1
77.5°	91.9	93.2	69.3	126.5	214.5	206.5	197.1	183.8	178.5	167.8	167.8
80°	69.3	73.3	51.9	86.6	154.5	154.5	146.5	137.2	127.9	122.5	122.5
82.5°	46.6	46.6	38.6	54.6	105.2	101.2	95.9	93.2	87.9	85.2	85.2
85°	21.3	26.6	24.0	33.3	57.3	59.9	59.9	57.3	55.9	53.3	54.6
87.5°	6.7	12.0	14.7	18.6	29.3	30.6	32.0	32.0	32.0	33.3	33.3
90°	4.1	7.4	10.7	11.5	18.1	26.9	31.3	27.9	21.0	15.7	15.7
92.5°	16.5	44.6	72.6	79.7	112.0	155.1	176.7	154.9	111.2	78.4	75.3
95°	39.6	91.0	142.3	155.2	275.6	436.3	516.5	461.0	349.7	266.3	256.9
97.5°	68.6	113.8	159.1	170.5	371.4	639.1	773.0	737.8	667.6	614.9	596.8
100°	90.8	132.0	173.1	183.4	406.2	703.3	851.9	854.4	859.6	863.4	842.0
102.5°	109.8	148.2	186.6	196.2	422.2	723.5	874.1	918.9	1008.5	1075.6	1057.3
105°	142.1	174.6	207.1	215.2	434.0	725.8	871.7	972.0	1172.8	1323.4	1313.5
107.5°	175.1	205.4	235.7	243.2	436.2	693.4	822.1	962.1	1242.2	1452.2	1454.6
110°	197.4	224.8	252.0	258.9	432.8	664.8	780.8	937.4	1250.5	1485.3	1495.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	219.2	245.3	271.4	277.9	433.0	639.8	743.3	903.5	1223.8	1464.1	1479.9
115°	252.3	276.3	300.3	306.4	437.0	611.1	698.2	852.6	1161.2	1392.7	1414.6
117.5°	284.9	306.7	328.6	334.1	445.2	593.2	667.2	806.6	1085.1	1294.1	1318.3
120°	303.9	324.5	345.0	350.1	451.7	587.1	654.9	782.2	1036.7	1227.6	1251.2
122.5°	322.5	343.2	364.0	369.1	461.2	584.0	645.4	760.0	989.1	1161.1	1184.3
125°	350.9	369.9	388.8	393.5	474.0	581.4	635.1	732.4	927.2	1073.1	1094.5
127.5°	374.1	393.2	412.2	417.0	486.8	579.9	626.4	710.0	877.2	1002.6	1020.7
130°	386.5	407.1	427.6	432.7	496.2	580.8	623.1	697.5	846.4	958.0	974.7
132.5°	399.2	419.8	440.4	445.5	503.8	581.4	620.2	686.8	820.1	920.0	934.9
135°	418.2	437.0	455.7	460.4	512.0	580.8	615.2	671.0	782.6	866.2	879.1
137.5°	437.7	456.2	474.7	479.3	524.4	584.4	614.4	661.6	755.9	826.6	837.2
140°	453.8	470.8	488.0	492.2	532.0	585.0	611.5	652.2	733.8	794.8	804.7
142.5°	466.2	482.0	497.8	501.7	538.3	587.1	611.5	647.3	718.8	772.6	781.1
145°	485.2	499.0	512.6	516.1	546.6	587.1	607.4	636.7	695.2	739.1	745.5
147.5°	504.1	517.5	530.9	534.3	558.6	591.1	607.4	630.4	676.5	711.0	716.3
150°	516.5	528.6	540.8	543.8	565.0	593.3	607.4	626.8	665.7	694.9	699.3
152.5°	529.3	538.6	547.7	550.0	569.1	594.6	607.4	624.0	657.2	682.2	685.4
155°	548.3	555.1	561.9	563.6	578.2	597.6	607.4	620.6	647.1	666.9	669.0
157.5°	562.4	569.0	575.6	577.3	587.3	600.7	607.4	617.7	638.2	653.7	655.2
160°	571.9	577.0	582.2	583.4	591.4	602.1	607.4	616.2	633.8	647.0	647.9
162.5°	581.4	585.3	589.1	590.1	595.8	603.6	607.4	614.9	629.7	640.9	641.7
165°	591.7	595.2	598.7	599.6	602.2	605.6	607.4	612.7	623.4	631.4	632.3
167.5°	601.2	602.9	604.5	604.9	607.1	610.1	611.5	614.9	622.0	627.2	627.5
170°	607.4	609.1	610.7	611.1	611.2	611.4	611.5	614.9	622.0	627.2	627.2
172.5°	610.7	611.0	611.4	611.5	611.5	611.5	611.5	614.2	619.7	623.9	623.6
175°	615.2	615.2	615.2	615.2	614.0	612.3	611.5	613.3	616.7	619.4	619.4
177.5°	615.2	615.2	615.2	615.2	614.2	613.0	612.4	613.8	616.5	618.6	618.2
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1443.9	1439.9	1443.9	1441.2	1442.6	1438.6	1426.6	1422.6	1426.6	1430.6	1430.6
5°	1461.2	1458.5	1461.2	1461.2	1459.9	1457.2	1443.9	1441.2	1443.9	1445.2	1442.6
7.5°	1466.5	1462.5	1466.5	1463.9	1463.9	1461.2	1447.9	1445.2	1446.6	1450.5	1446.6
10°	1466.5	1462.5	1466.5	1465.2	1463.9	1461.2	1447.9	1442.6	1442.6	1446.6	1442.6
12.5°	1459.9	1457.2	1459.9	1457.2	1457.2	1454.5	1441.2	1435.9	1437.2	1438.6	1433.2
15°	1449.2	1445.2	1449.2	1446.6	1447.9	1443.9	1429.2	1423.9	1423.9	1426.6	1417.2
17.5°	1433.2	1427.9	1433.2	1431.9	1430.6	1427.9	1414.6	1409.3	1407.9	1409.3	1402.6
20°	1414.6	1410.6	1414.6	1413.3	1413.3	1407.9	1394.6	1387.9	1387.9	1387.9	1381.3
22.5°	1385.3	1381.3	1385.3	1387.9	1387.9	1386.6	1374.6	1365.3	1362.6	1362.6	1354.6
25°	1352.0	1348.0	1352.0	1352.0	1350.6	1352.0	1348.0	1342.7	1338.7	1334.7	1326.7
27.5°	1320.0	1317.3	1320.0	1317.3	1320.0	1316.0	1314.7	1313.4	1308.0	1304.0	1293.4
30°	1288.0	1285.4	1288.0	1285.4	1282.7	1280.1	1273.4	1270.7	1276.1	1273.4	1256.1
32.5°	1248.1	1245.4	1248.1	1248.1	1245.4	1245.4	1234.8	1230.8	1232.1	1240.1	1224.1
35°	1206.8	1202.8	1206.8	1205.5	1206.8	1202.8	1196.1	1194.8	1189.5	1198.8	1186.8
37.5°	1158.8	1154.8	1158.8	1158.8	1158.8	1161.5	1156.2	1152.2	1144.2	1156.2	1146.9
40°	1109.6	1104.2	1109.6	1108.2	1109.6	1112.2	1109.6	1106.9	1098.9	1108.2	1100.2
42.5°	1053.6	1052.3	1053.6	1054.9	1054.9	1060.3	1064.3	1058.9	1056.3	1049.6	1054.9
45°	993.7	991.0	993.7	996.3	997.7	1000.3	1012.3	1012.3	1008.3	997.7	1005.7
47.5°	929.7	923.1	929.7	937.7	937.7	941.7	953.7	963.0	956.4	943.1	947.1
50°	861.8	863.1	861.8	867.1	867.1	881.8	891.1	900.4	907.1	891.1	872.5
52.5°	795.2	793.9	795.2	799.2	804.5	811.2	827.2	836.5	847.2	837.8	808.5
55°	728.6	731.3	728.6	729.9	732.6	736.6	760.6	769.9	789.9	777.9	747.3
57.5°	662.0	658.0	662.0	664.7	666.0	670.0	690.0	707.3	719.3	720.6	683.3
60°	584.7	579.4	584.7	596.7	599.4	602.1	620.7	636.7	647.4	651.3	612.7
62.5°	516.8	507.5	516.8	524.8	530.1	536.8	550.1	574.1	583.4	584.7	530.1
65°	444.9	440.9	444.9	460.9	462.2	470.2	484.8	502.2	522.1	519.5	440.9
67.5°	379.6	379.6	379.6	390.3	398.3	402.3	420.9	428.9	454.2	456.9	367.6
70°	319.7	318.3	319.7	327.7	333.0	342.3	359.6	369.0	388.9	395.6	298.4
72.5°	262.4	261.1	262.4	269.1	274.4	282.4	297.0	307.7	325.0	333.0	231.8
75°	211.8	209.1	211.8	217.1	215.8	226.4	238.4	249.1	265.1	270.4	171.8
77.5°	162.5	162.5	162.5	167.8	167.8	178.5	183.8	197.1	206.5	214.5	126.5
80°	121.2	119.9	121.2	122.5	122.5	127.9	137.2	146.5	154.5	154.5	86.6
82.5°	85.2	82.6	85.2	85.2	85.2	87.9	93.2	95.9	101.2	105.2	54.6
85°	53.3	53.3	53.3	54.6	53.3	55.9	57.3	59.9	59.9	57.3	33.3
87.5°	34.6	33.3	34.6	33.3	33.3	32.0	32.0	32.0	30.6	29.3	18.6
90°	15.7	15.7	15.7	15.7	15.7	21.0	27.9	31.3	26.9	18.1	11.5
92.5°	62.8	50.3	62.8	75.3	78.4	111.2	154.9	176.7	155.1	112.0	79.7
95°	219.1	181.2	219.1	256.9	266.3	349.7	461.0	516.5	436.3	275.6	155.2
97.5°	524.9	453.0	524.9	596.8	614.9	667.6	737.8	773.0	639.1	371.4	170.5
100°	756.2	670.5	756.2	842.0	863.4	859.6	854.4	851.9	703.3	406.2	183.4
102.5°	983.9	910.5	983.9	1057.3	1075.6	1008.5	918.9	874.1	723.5	422.2	196.2
105°	1274.0	1234.6	1274.0	1313.5	1323.4	1172.8	972.0	871.7	725.8	434.0	215.2
107.5°	1464.1	1473.6	1464.1	1454.6	1452.2	1242.2	962.1	822.1	693.4	436.2	243.2
110°	1536.6	1577.7	1536.6	1495.6	1485.3	1250.5	937.4	780.8	664.8	432.8	258.9



TEST NUMBER: P934775

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1543.1	1606.2	1543.1	1479.9	1464.1	1223.8	903.5	743.3	639.8	433.0	277.9
115°	1502.1	1589.7	1502.1	1414.6	1392.7	1161.2	852.6	698.2	611.1	437.0	306.4
117.5°	1415.4	1512.4	1415.4	1318.3	1294.1	1085.1	806.6	667.2	593.2	445.2	334.1
120°	1345.5	1439.8	1345.5	1251.2	1227.6	1036.7	782.2	654.9	587.1	451.7	350.1
122.5°	1277.4	1370.5	1277.4	1184.3	1161.1	989.1	760.0	645.4	584.0	461.2	369.1
125°	1180.3	1266.0	1180.3	1094.5	1073.1	927.2	732.4	635.1	581.4	474.0	393.5
127.5°	1093.0	1165.2	1093.0	1020.7	1002.6	877.2	710.0	626.4	579.9	486.8	417.0
130°	1041.4	1108.2	1041.4	974.7	958.0	846.4	697.5	623.1	580.8	496.2	432.7
132.5°	994.7	1054.6	994.7	934.9	920.0	820.1	686.8	620.2	581.4	503.8	445.5
135°	930.7	982.3	930.7	879.1	866.2	782.6	671.0	615.2	580.8	512.0	460.4
137.5°	879.4	921.7	879.4	837.2	826.6	755.9	661.6	614.4	584.4	524.4	479.3
140°	844.2	883.6	844.2	804.7	794.8	733.8	652.2	611.5	585.0	532.0	492.2
142.5°	815.0	848.9	815.0	781.1	772.6	718.8	647.3	611.5	587.1	538.3	501.7
145°	771.2	796.9	771.2	745.5	739.1	695.2	636.7	607.4	587.1	546.6	516.1
147.5°	737.6	758.9	737.6	716.3	711.0	676.5	630.4	607.4	591.1	558.6	534.3
150°	716.5	733.8	716.5	699.3	694.9	665.7	626.8	607.4	593.3	565.0	543.8
152.5°	698.4	711.5	698.4	685.4	682.2	657.2	624.0	607.4	594.6	569.1	550.0
155°	677.6	686.2	677.6	669.0	666.9	647.1	620.6	607.4	597.6	578.2	563.6
157.5°	661.2	667.2	661.2	655.2	653.7	638.2	617.7	607.4	600.7	587.3	577.3
160°	651.3	654.9	651.3	647.9	647.0	633.8	616.2	607.4	602.1	591.4	583.4
162.5°	645.0	648.2	645.0	641.7	640.9	629.7	614.9	607.4	603.6	595.8	590.1
165°	635.7	639.2	635.7	632.3	631.4	623.4	612.7	607.4	605.6	602.2	599.6
167.5°	629.1	630.5	629.1	627.5	627.2	622.0	614.9	611.5	610.1	607.1	604.9
170°	627.2	627.2	627.2	627.2	627.2	622.0	614.9	611.5	611.4	611.2	611.1
172.5°	622.3	621.0	622.3	623.6	623.9	619.7	614.2	611.5	611.5	611.5	611.5
175°	619.4	619.4	619.4	619.4	619.4	616.7	613.3	611.5	612.3	614.0	615.2
177.5°	616.7	615.2	616.7	618.2	618.6	616.5	613.8	612.4	613.0	614.2	615.2
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2



TEST NUMBER: P934775

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1427.9	1419.9	1419.9	1406.6	1401.3	1397.3	1390.6	1370.6	1365.3	1360.0	1368.0
5°	1439.9	1425.2	1414.6	1390.6	1370.6	1362.6	1337.3	1289.4	1257.4	1233.4	1220.1
7.5°	1442.6	1423.9	1403.9	1366.6	1318.7	1297.4	1220.1	1132.2	1108.2	1086.9	1073.6
10°	1439.9	1418.6	1390.6	1334.7	1221.4	1184.1	1106.9	1049.6	1035.0	1031.0	1035.0
12.5°	1430.6	1410.6	1372.0	1278.7	1120.2	1094.9	1049.6	1016.3	1013.7	1020.3	1056.3
15°	1414.6	1395.9	1350.6	1204.1	1064.3	1045.6	1013.7	1001.7	1016.3	1062.9	1170.8
17.5°	1398.6	1377.3	1321.3	1130.9	1021.6	1008.3	985.7	1009.7	1092.2	1154.8	1190.8
20°	1377.3	1352.0	1288.0	1077.6	991.0	979.0	968.4	1076.3	1138.9	1161.5	1181.5
22.5°	1352.0	1325.3	1242.8	1040.3	959.0	949.7	956.4	1113.6	1138.9	1154.8	1172.2
25°	1318.7	1296.0	1189.5	1011.0	933.7	923.1	948.4	1109.6	1124.2	1128.2	1162.8
27.5°	1288.0	1258.7	1133.5	984.3	903.1	899.1	955.0	1092.2	1102.9	1106.9	1144.2
30°	1250.7	1206.8	1070.9	956.4	871.1	869.8	956.4	1070.9	1068.3	1078.9	1116.2
32.5°	1212.1	1129.5	1000.3	921.7	840.5	839.2	947.1	1039.0	1036.3	1050.9	1078.9
35°	1176.2	1069.6	904.4	881.8	801.9	803.2	924.4	1001.7	1003.0	1016.3	1033.6
37.5°	1138.9	1017.6	799.2	837.8	764.6	764.6	893.8	967.0	964.4	968.4	992.3
40°	1094.9	936.4	706.0	780.6	729.9	725.9	856.5	929.7	920.4	919.1	952.4
42.5°	1048.3	847.2	636.7	704.6	690.0	684.6	811.2	884.4	867.1	871.1	913.8
45°	997.7	823.2	583.4	595.4	648.7	644.7	761.9	832.5	820.5	831.2	875.1
47.5°	947.1	775.2	566.1	494.2	604.7	603.4	707.3	781.9	775.2	785.9	832.5
50°	877.8	721.9	564.8	423.6	555.4	560.8	642.0	732.6	732.6	741.9	791.2
52.5°	788.5	656.7	512.8	383.6	498.2	514.2	584.7	690.0	692.6	702.0	745.9
55°	707.3	588.7	475.5	353.0	430.2	464.9	528.8	646.0	651.3	660.7	700.6
57.5°	632.7	490.2	467.5	317.0	367.6	400.9	479.5	603.4	606.1	614.1	652.7
60°	552.8	354.3	428.9	278.4	313.0	338.3	434.2	552.8	562.1	567.4	600.7
62.5°	462.2	257.1	388.9	251.7	286.4	291.7	396.9	504.8	516.8	520.8	540.8
65°	329.0	215.8	330.3	229.1	258.4	259.7	357.0	455.5	466.2	472.9	487.5
67.5°	222.4	175.8	251.7	207.8	237.1	238.4	318.3	398.3	412.9	418.2	427.6
70°	154.5	117.2	186.5	185.1	213.1	215.8	277.1	346.3	359.6	363.6	369.0
72.5°	113.2	94.6	154.5	166.5	187.8	190.5	234.4	287.7	301.0	305.0	307.7
75°	86.6	99.9	125.2	145.2	159.8	161.2	191.8	234.4	243.8	246.4	247.8
77.5°	69.3	93.2	91.9	117.2	130.5	127.9	150.5	181.2	189.1	189.1	189.1
80°	51.9	73.3	69.3	83.9	95.9	93.2	107.9	129.2	131.9	134.5	133.2
82.5°	38.6	46.6	46.6	53.3	63.9	61.3	71.9	83.9	83.9	83.9	86.6
85°	24.0	26.6	21.3	28.0	36.0	34.6	40.0	45.3	46.6	46.6	44.0
87.5°	14.7	12.0	6.7	10.7	16.0	16.0	18.6	20.0	18.6	18.6	18.6
90°	10.7	7.4	4.1	7.4	10.7	11.5	18.1	26.9	31.3	27.9	21.0
92.5°	72.6	44.6	16.5	44.6	72.6	79.7	112.0	155.1	176.7	154.9	111.2
95°	142.3	91.0	39.6	91.0	142.3	155.2	275.6	436.3	516.5	461.0	349.7
97.5°	159.1	113.8	68.6	113.8	159.1	170.5	371.4	639.1	773.0	737.8	667.6
100°	173.1	132.0	90.8	132.0	173.1	183.4	406.2	703.3	851.9	854.4	859.6
102.5°	186.6	148.2	109.8	148.2	186.6	196.2	422.2	723.5	874.1	918.9	1008.5
105°	207.1	174.6	142.1	174.6	207.1	215.2	434.0	725.8	871.7	972.0	1172.8
107.5°	235.7	205.4	175.1	205.4	235.7	243.2	436.2	693.4	822.1	962.1	1242.2
110°	252.0	224.8	197.4	224.8	252.0	258.9	432.8	664.8	780.8	937.4	1250.5



TEST NUMBER: P934775

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	271.4	245.3	219.2	245.3	271.4	277.9	433.0	639.8	743.3	903.5	1223.8
115°	300.3	276.3	252.3	276.3	300.3	306.4	437.0	611.1	698.2	852.6	1161.2
117.5°	328.6	306.7	284.9	306.7	328.6	334.1	445.2	593.2	667.2	806.6	1085.1
120°	345.0	324.5	303.9	324.5	345.0	350.1	451.7	587.1	654.9	782.2	1036.7
122.5°	364.0	343.2	322.5	343.2	364.0	369.1	461.2	584.0	645.4	760.0	989.1
125°	388.8	369.9	350.9	369.9	388.8	393.5	474.0	581.4	635.1	732.4	927.2
127.5°	412.2	393.2	374.1	393.2	412.2	417.0	486.8	579.9	626.4	710.0	877.2
130°	427.6	407.1	386.5	407.1	427.6	432.7	496.2	580.8	623.1	697.5	846.4
132.5°	440.4	419.8	399.2	419.8	440.4	445.5	503.8	581.4	620.2	686.8	820.1
135°	455.7	437.0	418.2	437.0	455.7	460.4	512.0	580.8	615.2	671.0	782.6
137.5°	474.7	456.2	437.7	456.2	474.7	479.3	524.4	584.4	614.4	661.6	755.9
140°	488.0	470.8	453.8	470.8	488.0	492.2	532.0	585.0	611.5	652.2	733.8
142.5°	497.8	482.0	466.2	482.0	497.8	501.7	538.3	587.1	611.5	647.3	718.8
145°	512.6	499.0	485.2	499.0	512.6	516.1	546.6	587.1	607.4	636.7	695.2
147.5°	530.9	517.5	504.1	517.5	530.9	534.3	558.6	591.1	607.4	630.4	676.5
150°	540.8	528.6	516.5	528.6	540.8	543.8	565.0	593.3	607.4	626.8	665.7
152.5°	547.7	538.6	529.3	538.6	547.7	550.0	569.1	594.6	607.4	624.0	657.2
155°	561.9	555.1	548.3	555.1	561.9	563.6	578.2	597.6	607.4	620.6	647.1
157.5°	575.6	569.0	562.4	569.0	575.6	577.3	587.3	600.7	607.4	617.7	638.2
160°	582.2	577.0	571.9	577.0	582.2	583.4	591.4	602.1	607.4	616.2	633.8
162.5°	589.1	585.3	581.4	585.3	589.1	590.1	595.8	603.6	607.4	614.9	629.7
165°	598.7	595.2	591.7	595.2	598.7	599.6	602.2	605.6	607.4	612.7	623.4
167.5°	604.5	602.9	601.2	602.9	604.5	604.9	607.1	610.1	611.5	614.9	622.0
170°	610.7	609.1	607.4	609.1	610.7	611.1	611.2	611.4	611.5	614.9	622.0
172.5°	611.4	611.0	610.7	611.0	611.4	611.5	611.5	611.5	611.5	614.2	619.7
175°	615.2	615.2	615.2	615.2	615.2	615.2	614.0	612.3	611.5	613.3	616.7
177.5°	615.2	615.2	615.2	615.2	615.2	615.2	614.2	613.0	612.4	613.8	616.5
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2



TEST NUMBER: P934775
 CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1358.6	1354.6	1360.0	1345.3	1360.0	1354.6	1358.6	1368.0	1360.0	1365.3	1370.6
5°	1192.1	1185.5	1164.2	1146.9	1164.2	1185.5	1192.1	1220.1	1233.4	1257.4	1289.4
7.5°	1065.6	1060.3	1054.9	1044.3	1054.9	1060.3	1065.6	1073.6	1086.9	1108.2	1132.2
10°	1037.6	1039.0	1047.0	1045.6	1047.0	1039.0	1037.6	1035.0	1031.0	1035.0	1049.6
12.5°	1109.6	1121.5	1165.5	1162.8	1165.5	1121.5	1109.6	1056.3	1020.3	1013.7	1016.3
15°	1192.1	1196.1	1205.5	1206.8	1205.5	1196.1	1192.1	1170.8	1062.9	1016.3	1001.7
17.5°	1200.1	1201.5	1208.1	1208.1	1208.1	1201.5	1200.1	1190.8	1154.8	1092.2	1009.7
20°	1193.5	1196.1	1209.5	1212.1	1209.5	1196.1	1193.5	1181.5	1161.5	1138.9	1076.3
22.5°	1190.8	1196.1	1206.8	1205.5	1206.8	1196.1	1190.8	1172.2	1154.8	1138.9	1113.6
25°	1177.5	1177.5	1178.8	1180.2	1178.8	1177.5	1177.5	1162.8	1128.2	1124.2	1109.6
27.5°	1149.5	1152.2	1160.2	1158.8	1160.2	1152.2	1149.5	1144.2	1106.9	1102.9	1092.2
30°	1124.2	1121.5	1114.9	1109.6	1114.9	1121.5	1124.2	1116.2	1078.9	1068.3	1070.9
32.5°	1081.6	1074.9	1068.3	1064.3	1068.3	1074.9	1081.6	1078.9	1050.9	1036.3	1039.0
35°	1031.0	1032.3	1031.0	1027.0	1031.0	1032.3	1031.0	1033.6	1016.3	1003.0	1001.7
37.5°	995.0	997.7	996.3	991.0	996.3	997.7	995.0	992.3	968.4	964.4	967.0
40°	957.7	959.0	957.7	953.7	957.7	959.0	957.7	952.4	919.1	920.4	929.7
42.5°	921.7	920.4	916.4	913.8	916.4	920.4	921.7	913.8	871.1	867.1	884.4
45°	880.5	881.8	873.8	869.8	873.8	881.8	880.5	875.1	831.2	820.5	832.5
47.5°	839.2	839.2	832.5	828.5	832.5	839.2	839.2	832.5	785.9	775.2	781.9
50°	795.2	793.9	784.5	783.2	784.5	793.9	795.2	791.2	741.9	732.6	732.6
52.5°	744.6	744.6	745.9	748.6	745.9	744.6	744.6	745.9	702.0	692.6	690.0
55°	700.6	702.0	711.3	714.0	711.3	702.0	700.6	700.6	660.7	651.3	646.0
57.5°	655.3	655.3	662.0	662.0	662.0	655.3	655.3	652.7	614.1	606.1	603.4
60°	603.4	606.1	611.4	610.1	611.4	606.1	603.4	600.7	567.4	562.1	552.8
62.5°	548.8	551.4	552.8	550.1	552.8	551.4	548.8	540.8	520.8	516.8	504.8
65°	491.5	494.2	495.5	492.8	495.5	494.2	491.5	487.5	472.9	466.2	455.5
67.5°	432.9	431.6	430.2	435.6	430.2	431.6	432.9	427.6	418.2	412.9	398.3
70°	373.0	373.0	371.6	374.3	371.6	373.0	373.0	369.0	363.6	359.6	346.3
72.5°	309.0	307.7	313.0	309.0	313.0	307.7	309.0	307.7	305.0	301.0	287.7
75°	246.4	249.1	246.4	250.4	246.4	249.1	246.4	247.8	246.4	243.8	234.4
77.5°	187.8	190.5	187.8	187.8	187.8	190.5	187.8	189.1	189.1	189.1	181.2
80°	133.2	131.9	131.9	130.5	131.9	131.9	133.2	133.2	134.5	131.9	129.2
82.5°	85.2	83.9	83.9	86.6	83.9	83.9	85.2	86.6	83.9	83.9	83.9
85°	46.6	48.0	45.3	45.3	45.3	48.0	46.6	44.0	46.6	46.6	45.3
87.5°	17.3	16.0	16.0	16.0	16.0	16.0	17.3	18.6	18.6	18.6	20.0
90°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	21.0	27.9	31.3	26.9
92.5°	78.4	75.3	62.8	50.3	62.8	75.3	78.4	111.2	154.9	176.7	155.1
95°	266.3	256.9	219.1	181.2	219.1	256.9	266.3	349.7	461.0	516.5	436.3
97.5°	614.9	596.8	524.9	453.0	524.9	596.8	614.9	667.6	737.8	773.0	639.1
100°	863.4	842.0	756.2	670.5	756.2	842.0	863.4	859.6	854.4	851.9	703.3
102.5°	1075.6	1057.3	983.9	910.5	983.9	1057.3	1075.6	1008.5	918.9	874.1	723.5
105°	1323.4	1313.5	1274.0	1234.6	1274.0	1313.5	1323.4	1172.8	972.0	871.7	725.8
107.5°	1452.2	1454.6	1464.1	1473.6	1464.1	1454.6	1452.2	1242.2	962.1	822.1	693.4
110°	1485.3	1495.6	1536.6	1577.7	1536.6	1495.6	1485.3	1250.5	937.4	780.8	664.8



TEST NUMBER: P934775

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1464.1	1479.9	1543.1	1606.2	1543.1	1479.9	1464.1	1223.8	903.5	743.3	639.8
115°	1392.7	1414.6	1502.1	1589.7	1502.1	1414.6	1392.7	1161.2	852.6	698.2	611.1
117.5°	1294.1	1318.3	1415.4	1512.4	1415.4	1318.3	1294.1	1085.1	806.6	667.2	593.2
120°	1227.6	1251.2	1345.5	1439.8	1345.5	1251.2	1227.6	1036.7	782.2	654.9	587.1
122.5°	1161.1	1184.3	1277.4	1370.5	1277.4	1184.3	1161.1	989.1	760.0	645.4	584.0
125°	1073.1	1094.5	1180.3	1266.0	1180.3	1094.5	1073.1	927.2	732.4	635.1	581.4
127.5°	1002.6	1020.7	1093.0	1165.2	1093.0	1020.7	1002.6	877.2	710.0	626.4	579.9
130°	958.0	974.7	1041.4	1108.2	1041.4	974.7	958.0	846.4	697.5	623.1	580.8
132.5°	920.0	934.9	994.7	1054.6	994.7	934.9	920.0	820.1	686.8	620.2	581.4
135°	866.2	879.1	930.7	982.3	930.7	879.1	866.2	782.6	671.0	615.2	580.8
137.5°	826.6	837.2	879.4	921.7	879.4	837.2	826.6	755.9	661.6	614.4	584.4
140°	794.8	804.7	844.2	883.6	844.2	804.7	794.8	733.8	652.2	611.5	585.0
142.5°	772.6	781.1	815.0	848.9	815.0	781.1	772.6	718.8	647.3	611.5	587.1
145°	739.1	745.5	771.2	796.9	771.2	745.5	739.1	695.2	636.7	607.4	587.1
147.5°	711.0	716.3	737.6	758.9	737.6	716.3	711.0	676.5	630.4	607.4	591.1
150°	694.9	699.3	716.5	733.8	716.5	699.3	694.9	665.7	626.8	607.4	593.3
152.5°	682.2	685.4	698.4	711.5	698.4	685.4	682.2	657.2	624.0	607.4	594.6
155°	666.9	669.0	677.6	686.2	677.6	669.0	666.9	647.1	620.6	607.4	597.6
157.5°	653.7	655.2	661.2	667.2	661.2	655.2	653.7	638.2	617.7	607.4	600.7
160°	647.0	647.9	651.3	654.9	651.3	647.9	647.0	633.8	616.2	607.4	602.1
162.5°	640.9	641.7	645.0	648.2	645.0	641.7	640.9	629.7	614.9	607.4	603.6
165°	631.4	632.3	635.7	639.2	635.7	632.3	631.4	623.4	612.7	607.4	605.6
167.5°	627.2	627.5	629.1	630.5	629.1	627.5	627.2	622.0	614.9	611.5	610.1
170°	627.2	627.2	627.2	627.2	627.2	627.2	627.2	622.0	614.9	611.5	611.4
172.5°	623.9	623.6	622.3	621.0	622.3	623.6	623.9	619.7	614.2	611.5	611.5
175°	619.4	619.4	619.4	619.4	619.4	619.4	619.4	616.7	613.3	611.5	612.3
177.5°	618.6	618.2	616.7	615.2	616.7	618.2	618.6	616.5	613.8	612.4	613.0
180°	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2	615.2



TEST NUMBER: P934775

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1390.6	1397.3	1401.3	1406.6	1419.9
5°	1337.3	1362.6	1370.6	1390.6	1414.6
7.5°	1220.1	1297.4	1318.7	1366.6	1403.9
10°	1106.9	1184.1	1221.4	1334.7	1390.6
12.5°	1049.6	1094.9	1120.2	1278.7	1372.0
15°	1013.7	1045.6	1064.3	1204.1	1350.6
17.5°	985.7	1008.3	1021.6	1130.9	1321.3
20°	968.4	979.0	991.0	1077.6	1288.0
22.5°	956.4	949.7	959.0	1040.3	1242.8
25°	948.4	923.1	933.7	1011.0	1189.5
27.5°	955.0	899.1	903.1	984.3	1133.5
30°	956.4	869.8	871.1	956.4	1070.9
32.5°	947.1	839.2	840.5	921.7	1000.3
35°	924.4	803.2	801.9	881.8	904.4
37.5°	893.8	764.6	764.6	837.8	799.2
40°	856.5	725.9	729.9	780.6	706.0
42.5°	811.2	684.6	690.0	704.6	636.7
45°	761.9	644.7	648.7	595.4	583.4
47.5°	707.3	603.4	604.7	494.2	566.1
50°	642.0	560.8	555.4	423.6	564.8
52.5°	584.7	514.2	498.2	383.6	512.8
55°	528.8	464.9	430.2	353.0	475.5
57.5°	479.5	400.9	367.6	317.0	467.5
60°	434.2	338.3	313.0	278.4	428.9
62.5°	396.9	291.7	286.4	251.7	388.9
65°	357.0	259.7	258.4	229.1	330.3
67.5°	318.3	238.4	237.1	207.8	251.7
70°	277.1	215.8	213.1	185.1	186.5
72.5°	234.4	190.5	187.8	166.5	154.5
75°	191.8	161.2	159.8	145.2	125.2
77.5°	150.5	127.9	130.5	117.2	91.9
80°	107.9	93.2	95.9	83.9	69.3
82.5°	71.9	61.3	63.9	53.3	46.6
85°	40.0	34.6	36.0	28.0	21.3
87.5°	18.6	16.0	16.0	10.7	6.7
90°	18.1	11.5	10.7	7.4	4.1
92.5°	112.0	79.7	72.6	44.6	16.5
95°	275.6	155.2	142.3	91.0	39.6
97.5°	371.4	170.5	159.1	113.8	68.6
100°	406.2	183.4	173.1	132.0	90.8
102.5°	422.2	196.2	186.6	148.2	109.8
105°	434.0	215.2	207.1	174.6	142.1
107.5°	436.2	243.2	235.7	205.4	175.1
110°	432.8	258.9	252.0	224.8	197.4



TEST NUMBER: P934775

CATALOG NUMBER: SQ4-FA-075U-075D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	433.0	277.9	271.4	245.3	219.2
115°	437.0	306.4	300.3	276.3	252.3
117.5°	445.2	334.1	328.6	306.7	284.9
120°	451.7	350.1	345.0	324.5	303.9
122.5°	461.2	369.1	364.0	343.2	322.5
125°	474.0	393.5	388.8	369.9	350.9
127.5°	486.8	417.0	412.2	393.2	374.1
130°	496.2	432.7	427.6	407.1	386.5
132.5°	503.8	445.5	440.4	419.8	399.2
135°	512.0	460.4	455.7	437.0	418.2
137.5°	524.4	479.3	474.7	456.2	437.7
140°	532.0	492.2	488.0	470.8	453.8
142.5°	538.3	501.7	497.8	482.0	466.2
145°	546.6	516.1	512.6	499.0	485.2
147.5°	558.6	534.3	530.9	517.5	504.1
150°	565.0	543.8	540.8	528.6	516.5
152.5°	569.1	550.0	547.7	538.6	529.3
155°	578.2	563.6	561.9	555.1	548.3
157.5°	587.3	577.3	575.6	569.0	562.4
160°	591.4	583.4	582.2	577.0	571.9
162.5°	595.8	590.1	589.1	585.3	581.4
165°	602.2	599.6	598.7	595.2	591.7
167.5°	607.1	604.9	604.5	602.9	601.2
170°	611.2	611.1	610.7	609.1	607.4
172.5°	611.5	611.5	611.4	611.0	610.7
175°	614.0	615.2	615.2	615.2	615.2
177.5°	614.2	615.2	615.2	615.2	615.2
180°	615.2	615.2	615.2	615.2	615.2



TEST NUMBER: P934775
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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	12.12	12.96	13.09	13.95	15.25	14.94	15.78	15.92	16.77	18.07
	3H	12.59	13.35	13.58	14.34	15.67	16.28	17.04	17.27	18.04	19.36
	4H	12.78	13.50	13.78	14.50	15.83	16.72	17.44	17.72	18.44	19.77
	6H	12.90	13.56	13.91	14.56	15.91	17.01	17.66	18.02	18.67	20.02
	8H	12.90	13.53	13.92	14.55	15.89	17.08	17.71	18.10	18.73	20.07
	12H	12.87	13.47	13.89	14.48	15.85	17.12	17.71	18.14	18.73	20.10
4H	2H	13.14	13.86	14.15	14.86	16.19	15.35	16.06	16.35	17.06	18.40
	3H	14.17	14.76	15.19	15.80	17.14	16.85	17.44	17.87	18.48	19.82
	4H	14.45	14.99	15.47	16.01	17.38	17.38	17.92	18.40	18.94	20.31
	6H	14.57	15.04	15.60	16.08	17.45	17.74	18.21	18.77	19.25	20.62
	8H	14.57	15.01	15.61	16.05	17.43	17.84	18.28	18.88	19.32	20.70
	12H	14.54	14.94	15.59	15.99	17.38	17.90	18.29	18.95	19.35	20.73
8H	4H	14.90	15.33	15.93	16.37	17.75	17.50	17.94	18.53	18.98	20.36
	6H	15.16	15.52	16.22	16.60	17.98	17.93	18.29	18.99	19.38	20.75
	8H	15.20	15.52	16.27	16.58	17.98	18.08	18.40	19.15	19.47	20.86
	12H	15.18	15.46	16.25	16.52	17.96	18.18	18.46	19.25	19.52	20.96
12H	4H	14.90	15.30	15.95	16.35	17.74	17.46	17.86	18.52	18.91	20.30
	6H	15.22	15.54	16.28	16.60	18.00	17.93	18.25	19.00	19.31	20.71
	8H	15.28	15.56	16.35	16.62	18.06	18.09	18.37	19.16	19.43	20.87