

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: P934883

Luminaire Tested: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

**Test Information**

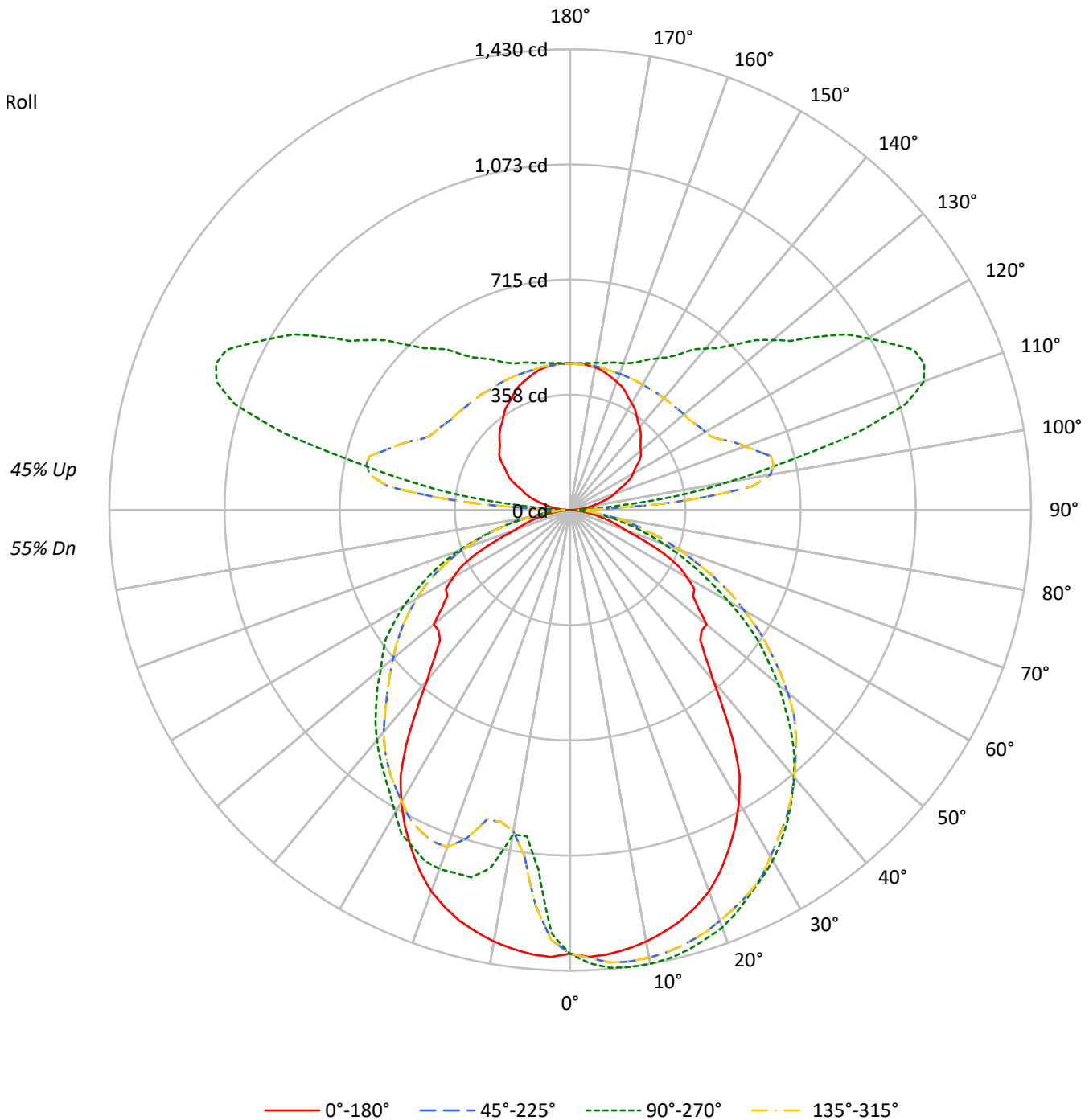
Test Method: LM-79-2019  
Report Number: P934883  
REPORT IS A COMBINATION OF REPORTS P933714 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-4-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6524.4 lumens  
Efficiency: N/A  
Efficacy: 127.4 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): 51.2  
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	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

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

	0°	90°	180°	270°
0°	12777	12777	12777	12777
5°	12860	12898	12860	10142
10°	12759	12705	12759	9084
15°	12605	12429	12605	10379
20°	12327	12104	12327	10401
25°	11774	11629	11774	10180
30°	11063	11234	11063	9697
35°	9847	10734	9847	9165
40°	8192	10146	8192	8764
45°	7305	9457	7305	8301
50°	7744	8637	7744	7837
55°	7265	7753	7265	7569
60°	7460	6584	7460	6932
65°	6733	5443	6733	6085
70°	4631	4338	4631	5100
75°	4017	3206	4017	3839
80°	3168	2119	3168	2309
85°	1722	1123	1722	954

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11217 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.3	1.9
10°-20°	352.9	5.4
20°-30°	545.5	8.4
30°-40°	651.3	10.0
40°-50°	655.1	10.0
50°-60°	570.0	8.7
60°-70°	404.1	6.2
70°-80°	213.8	3.3
80°-90°	55.0	0.8
90°-100°	222.0	3.4
100°-110°	583.6	8.9
110°-120°	605.2	9.3
120°-130°	485.4	7.4
130°-140°	380.9	5.8
140°-150°	292.3	4.5
150°-160°	210.5	3.2
160°-170°	128.8	2.0
170°-180°	43.5	0.7
0°-30°	1022.8	15.7
0°-40°	1674.0	25.7
0°-60°	2899.1	44.4
0°-90°	3572.0	54.7
90°-120°	1410.8	21.6
90°-150°	2569.5	39.4
90°-180°	2952.0	45.2
0°-180°	6524.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1377	1377	1377	1377	1377	
5°	1384	1426	1384	1122	1384	131
15°	1321	1413	1321	1180	1321	372
25°	1163	1318	1163	1154	1163	534
35°	884	1176	884	1004	884	547
45°	571	969	571	851	571	457
55°	465	715	465	698	465	427
65°	323	431	323	482	323	309
75°	122	204	122	245	122	129
85°	21	52	21	44	21	28
90°	3	12	3	12	3	3
95°	29	134	29	134	29	33
105°	105	914	105	914	105	111
115°	187	1177	187	1177	187	184
125°	260	937	260	937	260	231
135°	310	727	310	727	310	240
145°	359	590	359	590	359	225
155°	406	508	406	508	406	186
165°	438	473	438	473	438	124
175°	455	458	455	458	455	43
180°	455	455	455	455	455	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1388.7	1388.7	1396.6	1399.1	1399.1	1395.2	1391.3	1395.2	1406.9	1410.9	1409.6
5°	1383.6	1393.9	1408.3	1410.9	1413.4	1412.1	1409.6	1412.1	1425.2	1427.8	1429.1
7.5°	1373.1	1392.6	1410.9	1414.8	1418.7	1414.8	1413.4	1416.1	1429.1	1431.7	1431.7
10°	1360.1	1387.4	1408.3	1410.9	1414.8	1410.9	1410.9	1416.1	1429.1	1431.7	1433.1
12.5°	1341.8	1379.6	1399.1	1401.8	1406.9	1405.6	1404.4	1409.6	1422.6	1425.2	1425.2
15°	1320.9	1365.3	1383.6	1386.1	1395.2	1392.6	1392.6	1397.9	1412.1	1416.1	1414.8
17.5°	1292.4	1347.1	1367.9	1371.8	1378.3	1376.9	1378.3	1383.6	1396.6	1399.1	1400.4
20°	1259.7	1322.3	1347.1	1350.9	1357.4	1357.4	1357.4	1363.9	1376.9	1382.2	1382.2
22.5°	1215.4	1296.2	1322.3	1324.9	1332.7	1332.7	1335.3	1344.4	1356.1	1357.4	1357.4
25°	1163.4	1267.6	1289.7	1297.6	1305.4	1309.2	1313.2	1318.4	1322.3	1320.9	1322.3
27.5°	1108.7	1231.1	1259.7	1264.9	1275.4	1279.3	1284.5	1285.8	1287.1	1291.0	1288.4
30°	1047.4	1180.2	1223.2	1228.5	1245.4	1248.0	1242.9	1245.4	1251.9	1254.6	1257.2
32.5°	978.3	1104.7	1185.5	1197.2	1212.9	1205.0	1203.7	1207.7	1218.1	1218.1	1220.7
35°	884.5	1046.1	1150.4	1160.7	1172.5	1163.4	1168.5	1169.9	1176.4	1180.2	1179.0
37.5°	781.6	995.3	1113.9	1121.7	1130.7	1119.0	1126.9	1130.7	1136.0	1133.4	1133.4
40°	690.5	915.8	1070.9	1076.0	1083.9	1074.7	1082.5	1085.2	1087.8	1085.2	1083.9
42.5°	622.8	828.5	1025.2	1031.8	1026.5	1033.0	1035.7	1040.9	1037.0	1031.8	1031.8
45°	570.6	805.1	975.7	983.5	975.7	986.2	990.0	990.0	978.3	975.7	974.5
47.5°	553.6	758.2	926.2	926.2	922.3	935.3	941.9	932.8	921.0	917.2	917.2
50°	552.4	706.1	858.5	853.3	871.5	887.2	880.7	871.5	862.5	848.1	848.1
52.5°	501.6	642.3	771.2	790.8	819.5	828.5	818.1	809.0	793.3	786.8	781.6
55°	465.1	575.8	691.8	730.8	760.8	772.5	753.0	743.8	720.4	716.5	713.9
57.5°	457.3	479.4	618.8	668.3	704.8	703.5	691.8	674.8	655.3	651.4	650.1
60°	419.4	346.5	540.6	599.3	637.1	633.1	622.8	607.1	588.8	586.3	583.6
62.5°	380.4	251.4	452.1	518.5	571.9	570.6	561.5	538.1	525.0	518.5	513.3
65°	323.1	211.0	321.7	431.2	508.1	510.6	491.1	474.2	459.9	452.1	450.7
67.5°	246.2	172.0	217.5	359.6	446.9	444.2	419.4	411.7	393.4	389.5	381.7
70°	182.4	114.7	151.2	291.9	386.9	380.4	360.9	351.7	334.8	325.7	320.4
72.5°	151.2	92.5	110.7	226.7	325.7	317.9	300.9	290.5	276.2	268.4	263.2
75°	122.5	97.7	84.7	168.0	264.4	259.2	243.6	233.2	221.5	211.0	212.4
77.5°	89.9	91.2	67.7	123.7	209.7	201.9	192.8	179.7	174.5	164.2	164.2
80°	67.7	71.7	50.8	84.7	151.2	151.2	143.3	134.2	125.0	119.9	119.9
82.5°	45.6	45.6	37.8	53.4	102.9	99.0	93.8	91.2	86.0	83.4	83.4
85°	20.8	26.0	23.5	32.5	56.0	58.7	58.7	56.0	54.7	52.1	53.4
87.5°	6.5	11.7	14.3	18.2	28.7	30.0	31.3	31.3	31.3	32.5	32.5
90°	3.1	5.5	8.0	8.6	13.5	20.0	23.3	20.7	15.5	11.6	11.6
92.5°	12.2	33.0	53.7	59.0	82.9	114.9	130.8	114.7	82.3	58.1	55.8
95°	29.4	67.4	105.5	115.0	204.1	322.9	382.4	341.2	258.8	197.1	190.1
97.5°	50.8	84.3	117.8	126.2	274.9	473.1	572.2	546.1	494.2	455.1	441.8
100°	67.2	97.6	128.1	135.7	300.6	520.6	630.5	632.4	636.3	639.1	623.3
102.5°	81.3	109.7	138.0	145.1	312.5	535.6	647.1	680.2	746.5	796.2	782.6
105°	105.1	129.2	153.2	159.2	321.2	537.3	645.2	719.6	868.2	979.6	972.3
107.5°	129.6	152.0	174.4	180.0	322.9	513.3	608.6	712.2	919.4	1074.9	1076.7
110°	146.1	166.3	186.6	191.7	320.4	492.1	578.0	693.8	925.6	1099.4	1107.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	162.3	181.6	200.8	205.7	320.5	473.7	550.2	668.8	905.9	1083.8	1095.5
115°	186.7	204.5	222.3	226.8	323.5	452.4	516.9	631.1	859.6	1031.0	1047.1
117.5°	210.9	227.1	243.2	247.3	329.5	439.1	493.9	597.0	803.2	957.9	975.8
120°	225.0	240.2	255.4	259.2	334.4	434.6	484.7	579.0	767.4	908.7	926.1
122.5°	238.7	254.1	269.4	273.2	341.4	432.3	477.7	562.5	732.2	859.5	876.8
125°	259.8	273.8	287.8	291.3	350.9	430.4	470.1	542.2	686.4	794.4	810.3
127.5°	277.0	291.1	305.2	308.7	360.4	429.3	463.7	525.6	649.4	742.2	755.6
130°	286.1	301.3	316.5	320.4	367.3	429.9	461.3	516.4	626.5	709.1	721.5
132.5°	295.6	310.8	326.0	329.8	372.9	430.4	459.1	508.4	607.1	681.0	692.1
135°	309.6	323.4	337.3	340.8	379.0	430.0	455.4	496.7	579.4	641.3	650.9
137.5°	324.0	337.7	351.4	354.9	388.2	432.7	454.8	489.7	559.6	611.9	619.7
140°	335.9	348.6	361.2	364.3	393.8	433.1	452.7	482.8	543.1	588.3	595.6
142.5°	345.1	356.7	368.4	371.3	398.4	434.6	452.7	479.2	532.1	571.9	578.2
145°	359.1	369.4	379.5	382.1	404.6	434.6	449.6	471.3	514.6	547.1	551.9
147.5°	373.2	383.1	393.0	395.5	413.5	437.6	449.6	466.7	500.8	526.3	530.3
150°	382.4	391.3	400.3	402.6	418.3	439.2	449.6	464.0	492.8	514.4	517.6
152.5°	391.8	398.6	405.4	407.1	421.3	440.2	449.6	461.9	486.5	504.9	507.3
155°	405.9	411.0	415.9	417.2	428.0	442.4	449.6	459.4	478.9	493.6	495.2
157.5°	416.3	421.2	426.1	427.3	434.7	444.7	449.6	457.2	472.4	483.8	484.9
160°	423.3	427.1	430.9	431.9	437.8	445.7	449.6	456.1	469.2	479.0	479.6
162.5°	430.4	433.2	436.1	436.8	441.0	446.8	449.6	455.1	466.1	474.4	475.0
165°	438.0	440.5	443.1	443.8	445.8	448.3	449.6	453.6	461.4	467.4	468.1
167.5°	445.0	446.2	447.4	447.7	449.4	451.6	452.7	455.2	460.5	464.3	464.6
170°	449.6	450.8	452.1	452.4	452.5	452.6	452.7	455.2	460.5	464.3	464.3
172.5°	452.1	452.4	452.6	452.7	452.7	452.7	452.7	454.7	458.8	461.8	461.6
175°	455.4	455.4	455.4	455.4	454.5	453.3	452.7	454.0	456.5	458.5	458.5
177.5°	455.4	455.4	455.4	455.4	454.7	453.8	453.3	454.3	456.3	457.9	457.6
180°	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1412.1	1408.3	1412.1	1409.6	1410.9	1406.9	1395.2	1391.3	1395.2	1399.1	1399.1
5°	1429.1	1426.5	1429.1	1429.1	1427.8	1425.2	1412.1	1409.6	1412.1	1413.4	1410.9
7.5°	1434.3	1430.4	1434.3	1431.7	1431.7	1429.1	1416.1	1413.4	1414.8	1418.7	1414.8
10°	1434.3	1430.4	1434.3	1433.1	1431.7	1429.1	1416.1	1410.9	1410.9	1414.8	1410.9
12.5°	1427.8	1425.2	1427.8	1425.2	1425.2	1422.6	1409.6	1404.4	1405.6	1406.9	1401.8
15°	1417.4	1413.4	1417.4	1414.8	1416.1	1412.1	1397.9	1392.6	1392.6	1395.2	1386.1
17.5°	1401.8	1396.6	1401.8	1400.4	1399.1	1396.6	1383.6	1378.3	1376.9	1378.3	1371.8
20°	1383.6	1379.6	1383.6	1382.2	1382.2	1376.9	1363.9	1357.4	1357.4	1357.4	1350.9
22.5°	1354.9	1350.9	1354.9	1357.4	1357.4	1356.1	1344.4	1335.3	1332.7	1332.7	1324.9
25°	1322.3	1318.4	1322.3	1322.3	1320.9	1322.3	1318.4	1313.2	1309.2	1305.4	1297.6
27.5°	1291.0	1288.4	1291.0	1288.4	1291.0	1287.1	1285.8	1284.5	1279.3	1275.4	1264.9
30°	1259.7	1257.2	1259.7	1257.2	1254.6	1251.9	1245.4	1242.9	1248.0	1245.4	1228.5
32.5°	1220.7	1218.1	1220.7	1220.7	1218.1	1218.1	1207.7	1203.7	1205.0	1212.9	1197.2
35°	1180.2	1176.4	1180.2	1179.0	1180.2	1176.4	1169.9	1168.5	1163.4	1172.5	1160.7
37.5°	1133.4	1129.5	1133.4	1133.4	1133.4	1136.0	1130.7	1126.9	1119.0	1130.7	1121.7
40°	1085.2	1080.0	1085.2	1083.9	1085.2	1087.8	1085.2	1082.5	1074.7	1083.9	1076.0
42.5°	1030.5	1029.2	1030.5	1031.8	1031.8	1037.0	1040.9	1035.7	1033.0	1026.5	1031.8
45°	971.8	969.2	971.8	974.5	975.7	978.3	990.0	990.0	986.2	975.7	983.5
47.5°	909.3	902.8	909.3	917.2	917.2	921.0	932.8	941.9	935.3	922.3	926.2
50°	842.8	844.2	842.8	848.1	848.1	862.5	871.5	880.7	887.2	871.5	853.3
52.5°	777.8	776.5	777.8	781.6	786.8	793.3	809.0	818.1	828.5	819.5	790.8
55°	712.6	715.2	712.6	713.9	716.5	720.4	743.8	753.0	772.5	760.8	730.8
57.5°	647.5	643.6	647.5	650.1	651.4	655.3	674.8	691.8	703.5	704.8	668.3
60°	571.9	566.7	571.9	583.6	586.3	588.8	607.1	622.8	633.1	637.1	599.3
62.5°	505.4	496.4	505.4	513.3	518.5	525.0	538.1	561.5	570.6	571.9	518.5
65°	435.1	431.2	435.1	450.7	452.1	459.9	474.2	491.1	510.6	508.1	431.2
67.5°	371.3	371.3	371.3	381.7	389.5	393.4	411.7	419.4	444.2	446.9	359.6
70°	312.7	311.4	312.7	320.4	325.7	334.8	351.7	360.9	380.4	386.9	291.9
72.5°	256.7	255.4	256.7	263.2	268.4	276.2	290.5	300.9	317.9	325.7	226.7
75°	207.2	204.5	207.2	212.4	211.0	221.5	233.2	243.6	259.2	264.4	168.0
77.5°	158.9	158.9	158.9	164.2	164.2	174.5	179.7	192.8	201.9	209.7	123.7
80°	118.5	117.2	118.5	119.9	119.9	125.0	134.2	143.3	151.2	151.2	84.7
82.5°	83.4	80.8	83.4	83.4	83.4	86.0	91.2	93.8	99.0	102.9	53.4
85°	52.1	52.1	52.1	53.4	52.1	54.7	56.0	58.7	58.7	56.0	32.5
87.5°	33.9	32.5	33.9	32.5	32.5	31.3	31.3	31.3	30.0	28.7	18.2
90°	11.6	11.6	11.6	11.6	11.6	15.5	20.7	23.3	20.0	13.5	8.6
92.5°	46.5	37.3	46.5	55.8	58.1	82.3	114.7	130.8	114.9	82.9	59.0
95°	162.2	134.2	162.2	190.1	197.1	258.8	341.2	382.4	322.9	204.1	115.0
97.5°	388.6	335.3	388.6	441.8	455.1	494.2	546.1	572.2	473.1	274.9	126.2
100°	559.9	496.4	559.9	623.3	639.1	636.3	632.4	630.5	520.6	300.6	135.7
102.5°	728.3	673.9	728.3	782.6	796.2	746.5	680.2	647.1	535.6	312.5	145.1
105°	943.1	913.9	943.1	972.3	979.6	868.2	719.6	645.2	537.3	321.2	159.2
107.5°	1083.8	1090.9	1083.8	1076.7	1074.9	919.4	712.2	608.6	513.3	322.9	180.0
110°	1137.4	1167.9	1137.4	1107.0	1099.4	925.6	693.8	578.0	492.1	320.4	191.7





TEST NUMBER: P934883

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1142.3	1189.0	1142.3	1095.5	1083.8	905.9	668.8	550.2	473.7	320.5	205.7
115°	1112.0	1176.8	1112.0	1047.1	1031.0	859.6	631.1	516.9	452.4	323.5	226.8
117.5°	1047.7	1119.6	1047.7	975.8	957.9	803.2	597.0	493.9	439.1	329.5	247.3
120°	996.0	1065.8	996.0	926.1	908.7	767.4	579.0	484.7	434.6	334.4	259.2
122.5°	945.6	1014.5	945.6	876.8	859.5	732.2	562.5	477.7	432.3	341.4	273.2
125°	873.7	937.1	873.7	810.3	794.4	686.4	542.2	470.1	430.4	350.9	291.3
127.5°	809.0	862.6	809.0	755.6	742.2	649.4	525.6	463.7	429.3	360.4	308.7
130°	771.0	820.4	771.0	721.5	709.1	626.5	516.4	461.3	429.9	367.3	320.4
132.5°	736.3	780.6	736.3	692.1	681.0	607.1	508.4	459.1	430.4	372.9	329.8
135°	689.0	727.2	689.0	650.9	641.3	579.4	496.7	455.4	430.0	379.0	340.8
137.5°	651.0	682.2	651.0	619.7	611.9	559.6	489.7	454.8	432.7	388.2	354.9
140°	624.9	654.1	624.9	595.6	588.3	543.1	482.8	452.7	433.1	393.8	364.3
142.5°	603.2	628.4	603.2	578.2	571.9	532.1	479.2	452.7	434.6	398.4	371.3
145°	570.9	589.9	570.9	551.9	547.1	514.6	471.3	449.6	434.6	404.6	382.1
147.5°	546.0	561.8	546.0	530.3	526.3	500.8	466.7	449.6	437.6	413.5	395.5
150°	530.4	543.2	530.4	517.6	514.4	492.8	464.0	449.6	439.2	418.3	402.6
152.5°	517.0	526.6	517.0	507.3	504.9	486.5	461.9	449.6	440.2	421.3	407.1
155°	501.6	508.0	501.6	495.2	493.6	478.9	459.4	449.6	442.4	428.0	417.2
157.5°	489.5	493.9	489.5	484.9	483.8	472.4	457.2	449.6	444.7	434.7	427.3
160°	482.2	484.7	482.2	479.6	479.0	469.2	456.1	449.6	445.7	437.8	431.9
162.5°	477.4	479.9	477.4	475.0	474.4	466.1	455.1	449.6	446.8	441.0	436.8
165°	470.6	473.2	470.6	468.1	467.4	461.4	453.6	449.6	448.3	445.8	443.8
167.5°	465.7	466.8	465.7	464.6	464.3	460.5	455.2	452.7	451.6	449.4	447.7
170°	464.3	464.3	464.3	464.3	464.3	460.5	455.2	452.7	452.6	452.5	452.4
172.5°	460.7	459.7	460.7	461.6	461.8	458.8	454.7	452.7	452.7	452.7	452.7
175°	458.5	458.5	458.5	458.5	458.5	456.5	454.0	452.7	453.3	454.5	455.4
177.5°	456.5	455.4	456.5	457.6	457.9	456.3	454.3	453.3	453.8	454.7	455.4
180°	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4



TEST NUMBER: P934883

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1396.6	1388.7	1388.7	1375.7	1370.4	1366.6	1360.1	1340.6	1335.3	1330.1	1337.9
5°	1408.3	1393.9	1383.6	1360.1	1340.6	1332.7	1307.9	1261.1	1229.7	1206.4	1193.4
7.5°	1410.9	1392.6	1373.1	1336.6	1289.7	1268.9	1193.4	1107.4	1083.9	1063.0	1050.0
10°	1408.3	1387.4	1360.1	1305.4	1194.6	1158.2	1082.5	1026.5	1012.2	1008.3	1012.2
12.5°	1399.1	1379.6	1341.8	1250.6	1095.6	1070.9	1026.5	994.0	991.4	997.9	1033.0
15°	1383.6	1365.3	1320.9	1177.7	1040.9	1022.7	991.4	979.7	994.0	1039.5	1145.1
17.5°	1367.9	1347.1	1292.4	1106.0	999.2	986.2	964.0	987.5	1068.2	1129.5	1164.7
20°	1347.1	1322.3	1259.7	1053.9	969.2	957.5	947.1	1052.7	1113.9	1136.0	1155.5
22.5°	1322.3	1296.2	1215.4	1017.5	938.0	928.8	935.3	1089.1	1113.9	1129.5	1146.4
25°	1289.7	1267.6	1163.4	988.8	913.2	902.8	927.5	1085.2	1099.5	1103.4	1137.3
27.5°	1259.7	1231.1	1108.7	962.7	883.3	879.3	934.0	1068.2	1078.7	1082.5	1119.0
30°	1223.2	1180.2	1047.4	935.3	852.0	850.7	935.3	1047.4	1044.8	1055.2	1091.7
32.5°	1185.5	1104.7	978.3	901.5	822.0	820.7	926.2	1016.2	1013.5	1027.9	1055.2
35°	1150.4	1046.1	884.5	862.5	784.3	785.5	904.1	979.7	981.0	994.0	1010.9
37.5°	1113.9	995.3	781.6	819.5	747.8	747.8	874.1	945.8	943.2	947.1	970.5
40°	1070.9	915.8	690.5	763.4	713.9	710.0	837.7	909.3	900.2	898.9	931.5
42.5°	1025.2	828.5	622.8	689.1	674.8	669.6	793.3	865.0	848.1	852.0	893.7
45°	975.7	805.1	570.6	582.3	634.4	630.5	745.1	814.2	802.5	813.0	855.9
47.5°	926.2	758.2	553.6	483.3	591.4	590.1	691.8	764.7	758.2	768.6	814.2
50°	858.5	706.1	552.4	414.3	543.3	548.4	627.9	716.5	716.5	725.6	773.8
52.5°	771.2	642.3	501.6	375.2	487.2	502.9	571.9	674.8	677.4	686.6	729.5
55°	691.8	575.8	465.1	345.2	420.8	454.6	517.2	631.8	637.1	646.1	685.3
57.5°	618.8	479.4	457.3	310.1	359.6	392.1	468.9	590.1	592.8	600.6	638.3
60°	540.6	346.5	419.4	272.2	306.2	330.9	424.7	540.6	549.8	554.9	587.6
62.5°	452.1	251.4	380.4	246.2	280.1	285.3	388.2	493.7	505.4	509.4	528.9
65°	321.7	211.0	323.1	224.1	252.7	254.0	349.1	445.6	455.9	462.4	476.8
67.5°	217.5	172.0	246.2	203.2	231.9	233.2	311.4	389.5	403.9	409.1	418.2
70°	151.2	114.7	182.4	181.1	208.4	211.0	271.0	338.7	351.7	355.7	360.9
72.5°	110.7	92.5	151.2	162.9	183.7	186.3	229.2	281.4	294.4	298.4	300.9
75°	84.7	97.7	122.5	142.0	156.3	157.7	187.6	229.2	238.4	241.0	242.3
77.5°	67.7	91.2	89.9	114.7	127.7	125.0	147.2	177.2	185.0	185.0	185.0
80°	50.8	71.7	67.7	82.0	93.8	91.2	105.5	126.4	129.0	131.5	130.3
82.5°	37.8	45.6	45.6	52.1	62.5	59.9	70.3	82.0	82.0	82.0	84.7
85°	23.5	26.0	20.8	27.3	35.2	33.9	39.0	44.3	45.6	45.6	43.0
87.5°	14.3	11.7	6.5	10.5	15.7	15.7	18.2	19.5	18.2	18.2	18.2
90°	8.0	5.5	3.1	5.5	8.0	8.6	13.5	20.0	23.3	20.7	15.5
92.5°	53.7	33.0	12.2	33.0	53.7	59.0	82.9	114.9	130.8	114.7	82.3
95°	105.5	67.4	29.4	67.4	105.5	115.0	204.1	322.9	382.4	341.2	258.8
97.5°	117.8	84.3	50.8	84.3	117.8	126.2	274.9	473.1	572.2	546.1	494.2
100°	128.1	97.6	67.2	97.6	128.1	135.7	300.6	520.6	630.5	632.4	636.3
102.5°	138.0	109.7	81.3	109.7	138.0	145.1	312.5	535.6	647.1	680.2	746.5
105°	153.2	129.2	105.1	129.2	153.2	159.2	321.2	537.3	645.2	719.6	868.2
107.5°	174.4	152.0	129.6	152.0	174.4	180.0	322.9	513.3	608.6	712.2	919.4
110°	186.6	166.3	146.1	166.3	186.6	191.7	320.4	492.1	578.0	693.8	925.6



TEST NUMBER: P934883

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	200.8	181.6	162.3	181.6	200.8	205.7	320.5	473.7	550.2	668.8	905.9
115°	222.3	204.5	186.7	204.5	222.3	226.8	323.5	452.4	516.9	631.1	859.6
117.5°	243.2	227.1	210.9	227.1	243.2	247.3	329.5	439.1	493.9	597.0	803.2
120°	255.4	240.2	225.0	240.2	255.4	259.2	334.4	434.6	484.7	579.0	767.4
122.5°	269.4	254.1	238.7	254.1	269.4	273.2	341.4	432.3	477.7	562.5	732.2
125°	287.8	273.8	259.8	273.8	287.8	291.3	350.9	430.4	470.1	542.2	686.4
127.5°	305.2	291.1	277.0	291.1	305.2	308.7	360.4	429.3	463.7	525.6	649.4
130°	316.5	301.3	286.1	301.3	316.5	320.4	367.3	429.9	461.3	516.4	626.5
132.5°	326.0	310.8	295.6	310.8	326.0	329.8	372.9	430.4	459.1	508.4	607.1
135°	337.3	323.4	309.6	323.4	337.3	340.8	379.0	430.0	455.4	496.7	579.4
137.5°	351.4	337.7	324.0	337.7	351.4	354.9	388.2	432.7	454.8	489.7	559.6
140°	361.2	348.6	335.9	348.6	361.2	364.3	393.8	433.1	452.7	482.8	543.1
142.5°	368.4	356.7	345.1	356.7	368.4	371.3	398.4	434.6	452.7	479.2	532.1
145°	379.5	369.4	359.1	369.4	379.5	382.1	404.6	434.6	449.6	471.3	514.6
147.5°	393.0	383.1	373.2	383.1	393.0	395.5	413.5	437.6	449.6	466.7	500.8
150°	400.3	391.3	382.4	391.3	400.3	402.6	418.3	439.2	449.6	464.0	492.8
152.5°	405.4	398.6	391.8	398.6	405.4	407.1	421.3	440.2	449.6	461.9	486.5
155°	415.9	411.0	405.9	411.0	415.9	417.2	428.0	442.4	449.6	459.4	478.9
157.5°	426.1	421.2	416.3	421.2	426.1	427.3	434.7	444.7	449.6	457.2	472.4
160°	430.9	427.1	423.3	427.1	430.9	431.9	437.8	445.7	449.6	456.1	469.2
162.5°	436.1	433.2	430.4	433.2	436.1	436.8	441.0	446.8	449.6	455.1	466.1
165°	443.1	440.5	438.0	440.5	443.1	443.8	445.8	448.3	449.6	453.6	461.4
167.5°	447.4	446.2	445.0	446.2	447.4	447.7	449.4	451.6	452.7	455.2	460.5
170°	452.1	450.8	449.6	450.8	452.1	452.4	452.5	452.6	452.7	455.2	460.5
172.5°	452.6	452.4	452.1	452.4	452.6	452.7	452.7	452.7	452.7	454.7	458.8
175°	455.4	455.4	455.4	455.4	455.4	455.4	454.5	453.3	452.7	454.0	456.5
177.5°	455.4	455.4	455.4	455.4	455.4	455.4	454.7	453.8	453.3	454.3	456.3
180°	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4



TEST NUMBER: P934883

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1328.8	1324.9	1330.1	1315.7	1330.1	1324.9	1328.8	1337.9	1330.1	1335.3	1340.6
5°	1165.9	1159.4	1138.6	1121.7	1138.6	1159.4	1165.9	1193.4	1206.4	1229.7	1261.1
7.5°	1042.2	1037.0	1031.8	1021.3	1031.8	1037.0	1042.2	1050.0	1063.0	1083.9	1107.4
10°	1014.8	1016.2	1024.0	1022.7	1024.0	1016.2	1014.8	1012.2	1008.3	1012.2	1026.5
12.5°	1085.2	1096.9	1139.9	1137.3	1139.9	1096.9	1085.2	1033.0	997.9	991.4	994.0
15°	1165.9	1169.9	1179.0	1180.2	1179.0	1169.9	1165.9	1145.1	1039.5	994.0	979.7
17.5°	1173.7	1175.1	1181.6	1181.6	1181.6	1175.1	1173.7	1164.7	1129.5	1068.2	987.5
20°	1167.2	1169.9	1182.9	1185.5	1182.9	1169.9	1167.2	1155.5	1136.0	1113.9	1052.7
22.5°	1164.7	1169.9	1180.2	1179.0	1180.2	1169.9	1164.7	1146.4	1129.5	1113.9	1089.1
25°	1151.6	1151.6	1152.9	1154.2	1152.9	1151.6	1151.6	1137.3	1103.4	1099.5	1085.2
27.5°	1124.2	1126.9	1134.7	1133.4	1134.7	1126.9	1124.2	1119.0	1082.5	1078.7	1068.2
30°	1099.5	1096.9	1090.4	1085.2	1090.4	1096.9	1099.5	1091.7	1055.2	1044.8	1047.4
32.5°	1057.8	1051.3	1044.8	1040.9	1044.8	1051.3	1057.8	1055.2	1027.9	1013.5	1016.2
35°	1008.3	1009.7	1008.3	1004.4	1008.3	1009.7	1008.3	1010.9	994.0	981.0	979.7
37.5°	973.2	975.7	974.5	969.2	974.5	975.7	973.2	970.5	947.1	943.2	945.8
40°	936.7	938.0	936.7	932.8	936.7	938.0	936.7	931.5	898.9	900.2	909.3
42.5°	901.5	900.2	896.3	893.7	896.3	900.2	901.5	893.7	852.0	848.1	865.0
45°	861.1	862.5	854.6	850.7	854.6	862.5	861.1	855.9	813.0	802.5	814.2
47.5°	820.7	820.7	814.2	810.3	814.2	820.7	820.7	814.2	768.6	758.2	764.7
50°	777.8	776.5	767.3	766.0	767.3	776.5	777.8	773.8	725.6	716.5	716.5
52.5°	728.3	728.3	729.5	732.1	729.5	728.3	728.3	729.5	686.6	677.4	674.8
55°	685.3	686.6	695.6	698.3	695.6	686.6	685.3	685.3	646.1	637.1	631.8
57.5°	640.9	640.9	647.5	647.5	647.5	640.9	640.9	638.3	600.6	592.8	590.1
60°	590.1	592.8	597.9	596.6	597.9	592.8	590.1	587.6	554.9	549.8	540.6
62.5°	536.7	539.3	540.6	538.1	540.6	539.3	536.7	528.9	509.4	505.4	493.7
65°	480.7	483.3	484.6	482.1	484.6	483.3	480.7	476.8	462.4	455.9	445.6
67.5°	423.4	422.1	420.8	426.0	420.8	422.1	423.4	418.2	409.1	403.9	389.5
70°	364.7	364.7	363.4	366.1	363.4	364.7	364.7	360.9	355.7	351.7	338.7
72.5°	302.2	300.9	306.2	302.2	306.2	300.9	302.2	300.9	298.4	294.4	281.4
75°	241.0	243.6	241.0	244.9	241.0	243.6	241.0	242.3	241.0	238.4	229.2
77.5°	183.7	186.3	183.7	183.7	183.7	186.3	183.7	185.0	185.0	185.0	177.2
80°	130.3	129.0	129.0	127.7	129.0	129.0	130.3	130.3	131.5	129.0	126.4
82.5°	83.4	82.0	82.0	84.7	82.0	82.0	83.4	84.7	82.0	82.0	82.0
85°	45.6	46.9	44.3	44.3	44.3	46.9	45.6	43.0	45.6	45.6	44.3
87.5°	17.0	15.7	15.7	15.7	15.7	15.7	17.0	18.2	18.2	18.2	19.5
90°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	15.5	20.7	23.3	20.0
92.5°	58.1	55.8	46.5	37.3	46.5	55.8	58.1	82.3	114.7	130.8	114.9
95°	197.1	190.1	162.2	134.2	162.2	190.1	197.1	258.8	341.2	382.4	322.9
97.5°	455.1	441.8	388.6	335.3	388.6	441.8	455.1	494.2	546.1	572.2	473.1
100°	639.1	623.3	559.9	496.4	559.9	623.3	639.1	636.3	632.4	630.5	520.6
102.5°	796.2	782.6	728.3	673.9	728.3	782.6	796.2	746.5	680.2	647.1	535.6
105°	979.6	972.3	943.1	913.9	943.1	972.3	979.6	868.2	719.6	645.2	537.3
107.5°	1074.9	1076.7	1083.8	1090.9	1083.8	1076.7	1074.9	919.4	712.2	608.6	513.3
110°	1099.4	1107.0	1137.4	1167.9	1137.4	1107.0	1099.4	925.6	693.8	578.0	492.1



TEST NUMBER: P934883

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1083.8	1095.5	1142.3	1189.0	1142.3	1095.5	1083.8	905.9	668.8	550.2	473.7
115°	1031.0	1047.1	1112.0	1176.8	1112.0	1047.1	1031.0	859.6	631.1	516.9	452.4
117.5°	957.9	975.8	1047.7	1119.6	1047.7	975.8	957.9	803.2	597.0	493.9	439.1
120°	908.7	926.1	996.0	1065.8	996.0	926.1	908.7	767.4	579.0	484.7	434.6
122.5°	859.5	876.8	945.6	1014.5	945.6	876.8	859.5	732.2	562.5	477.7	432.3
125°	794.4	810.3	873.7	937.1	873.7	810.3	794.4	686.4	542.2	470.1	430.4
127.5°	742.2	755.6	809.0	862.6	809.0	755.6	742.2	649.4	525.6	463.7	429.3
130°	709.1	721.5	771.0	820.4	771.0	721.5	709.1	626.5	516.4	461.3	429.9
132.5°	681.0	692.1	736.3	780.6	736.3	692.1	681.0	607.1	508.4	459.1	430.4
135°	641.3	650.9	689.0	727.2	689.0	650.9	641.3	579.4	496.7	455.4	430.0
137.5°	611.9	619.7	651.0	682.2	651.0	619.7	611.9	559.6	489.7	454.8	432.7
140°	588.3	595.6	624.9	654.1	624.9	595.6	588.3	543.1	482.8	452.7	433.1
142.5°	571.9	578.2	603.2	628.4	603.2	578.2	571.9	532.1	479.2	452.7	434.6
145°	547.1	551.9	570.9	589.9	570.9	551.9	547.1	514.6	471.3	449.6	434.6
147.5°	526.3	530.3	546.0	561.8	546.0	530.3	526.3	500.8	466.7	449.6	437.6
150°	514.4	517.6	530.4	543.2	530.4	517.6	514.4	492.8	464.0	449.6	439.2
152.5°	504.9	507.3	517.0	526.6	517.0	507.3	504.9	486.5	461.9	449.6	440.2
155°	493.6	495.2	501.6	508.0	501.6	495.2	493.6	478.9	459.4	449.6	442.4
157.5°	483.8	484.9	489.5	493.9	489.5	484.9	483.8	472.4	457.2	449.6	444.7
160°	479.0	479.6	482.2	484.7	482.2	479.6	479.0	469.2	456.1	449.6	445.7
162.5°	474.4	475.0	477.4	479.9	477.4	475.0	474.4	466.1	455.1	449.6	446.8
165°	467.4	468.1	470.6	473.2	470.6	468.1	467.4	461.4	453.6	449.6	448.3
167.5°	464.3	464.6	465.7	466.8	465.7	464.6	464.3	460.5	455.2	452.7	451.6
170°	464.3	464.3	464.3	464.3	464.3	464.3	464.3	460.5	455.2	452.7	452.6
172.5°	461.8	461.6	460.7	459.7	460.7	461.6	461.8	458.8	454.7	452.7	452.7
175°	458.5	458.5	458.5	458.5	458.5	458.5	458.5	456.5	454.0	452.7	453.3
177.5°	457.9	457.6	456.5	455.4	456.5	457.6	457.9	456.3	454.3	453.3	453.8
180°	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4	455.4



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1360.1	1366.6	1370.4	1375.7	1388.7
5°	1307.9	1332.7	1340.6	1360.1	1383.6
7.5°	1193.4	1268.9	1289.7	1336.6	1373.1
10°	1082.5	1158.2	1194.6	1305.4	1360.1
12.5°	1026.5	1070.9	1095.6	1250.6	1341.8
15°	991.4	1022.7	1040.9	1177.7	1320.9
17.5°	964.0	986.2	999.2	1106.0	1292.4
20°	947.1	957.5	969.2	1053.9	1259.7
22.5°	935.3	928.8	938.0	1017.5	1215.4
25°	927.5	902.8	913.2	988.8	1163.4
27.5°	934.0	879.3	883.3	962.7	1108.7
30°	935.3	850.7	852.0	935.3	1047.4
32.5°	926.2	820.7	822.0	901.5	978.3
35°	904.1	785.5	784.3	862.5	884.5
37.5°	874.1	747.8	747.8	819.5	781.6
40°	837.7	710.0	713.9	763.4	690.5
42.5°	793.3	669.6	674.8	689.1	622.8
45°	745.1	630.5	634.4	582.3	570.6
47.5°	691.8	590.1	591.4	483.3	553.6
50°	627.9	548.4	543.3	414.3	552.4
52.5°	571.9	502.9	487.2	375.2	501.6
55°	517.2	454.6	420.8	345.2	465.1
57.5°	468.9	392.1	359.6	310.1	457.3
60°	424.7	330.9	306.2	272.2	419.4
62.5°	388.2	285.3	280.1	246.2	380.4
65°	349.1	254.0	252.7	224.1	323.1
67.5°	311.4	233.2	231.9	203.2	246.2
70°	271.0	211.0	208.4	181.1	182.4
72.5°	229.2	186.3	183.7	162.9	151.2
75°	187.6	157.7	156.3	142.0	122.5
77.5°	147.2	125.0	127.7	114.7	89.9
80°	105.5	91.2	93.8	82.0	67.7
82.5°	70.3	59.9	62.5	52.1	45.6
85°	39.0	33.9	35.2	27.3	20.8
87.5°	18.2	15.7	15.7	10.5	6.5
90°	13.5	8.6	8.0	5.5	3.1
92.5°	82.9	59.0	53.7	33.0	12.2
95°	204.1	115.0	105.5	67.4	29.4
97.5°	274.9	126.2	117.8	84.3	50.8
100°	300.6	135.7	128.1	97.6	67.2
102.5°	312.5	145.1	138.0	109.7	81.3
105°	321.2	159.2	153.2	129.2	105.1
107.5°	322.9	180.0	174.4	152.0	129.6
110°	320.4	191.7	186.6	166.3	146.1



TEST NUMBER: P934883

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	320.5	205.7	200.8	181.6	162.3
115°	323.5	226.8	222.3	204.5	186.7
117.5°	329.5	247.3	243.2	227.1	210.9
120°	334.4	259.2	255.4	240.2	225.0
122.5°	341.4	273.2	269.4	254.1	238.7
125°	350.9	291.3	287.8	273.8	259.8
127.5°	360.4	308.7	305.2	291.1	277.0
130°	367.3	320.4	316.5	301.3	286.1
132.5°	372.9	329.8	326.0	310.8	295.6
135°	379.0	340.8	337.3	323.4	309.6
137.5°	388.2	354.9	351.4	337.7	324.0
140°	393.8	364.3	361.2	348.6	335.9
142.5°	398.4	371.3	368.4	356.7	345.1
145°	404.6	382.1	379.5	369.4	359.1
147.5°	413.5	395.5	393.0	383.1	373.2
150°	418.3	402.6	400.3	391.3	382.4
152.5°	421.3	407.1	405.4	398.6	391.8
155°	428.0	417.2	415.9	411.0	405.9
157.5°	434.7	427.3	426.1	421.2	416.3
160°	437.8	431.9	430.9	427.1	423.3
162.5°	441.0	436.8	436.1	433.2	430.4
165°	445.8	443.8	443.1	440.5	438.0
167.5°	449.4	447.7	447.4	446.2	445.0
170°	452.5	452.4	452.1	450.8	449.6
172.5°	452.7	452.7	452.6	452.4	452.1
175°	454.5	455.4	455.4	455.4	455.4
177.5°	454.7	455.4	455.4	455.4	455.4
180°	455.4	455.4	455.4	455.4	455.4



TEST NUMBER: P934883  
 CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-4-3000K

**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	14.07	14.98	14.99	15.91	17.11	16.87	17.78	17.79	18.71	19.91
	3H	14.55	15.37	15.48	16.31	17.53	18.21	19.02	19.14	19.96	21.19
	4H	14.75	15.51	15.69	16.46	17.70	18.65	19.42	19.59	20.37	21.60
	6H	14.87	15.58	15.82	16.53	17.78	18.93	19.64	19.88	20.59	21.84
	8H	14.87	15.54	15.83	16.52	17.76	19.00	19.67	19.96	20.65	21.89
	12H	14.84	15.48	15.81	16.45	17.72	19.04	19.68	20.00	20.64	21.91
4H	2H	15.10	15.87	16.05	16.82	18.05	17.29	18.05	18.23	19.00	20.24
	3H	16.13	16.77	17.09	17.75	19.00	18.79	19.43	19.74	20.41	21.65
	4H	16.41	17.00	17.38	17.97	19.24	19.31	19.89	20.28	20.87	22.14
	6H	16.54	17.04	17.52	18.04	19.31	19.67	20.17	20.65	21.17	22.44
	8H	16.55	17.02	17.53	18.01	19.29	19.77	20.24	20.76	21.23	22.52
	12H	16.52	16.94	17.52	17.95	19.24	19.83	20.25	20.83	21.26	22.55
8H	4H	16.86	17.33	17.85	18.32	19.61	19.44	19.91	20.42	20.90	22.19
	6H	17.13	17.52	18.13	18.55	19.83	19.87	20.26	20.88	21.29	22.57
	8H	17.17	17.51	18.19	18.53	19.84	20.02	20.36	21.03	21.38	22.68
	12H	17.16	17.46	18.18	18.47	19.82	20.11	20.41	21.13	21.43	22.78
12H	4H	16.87	17.30	17.87	18.30	19.59	19.41	19.83	20.41	20.84	22.13
	6H	17.19	17.53	18.20	18.55	19.85	19.87	20.21	20.88	21.23	22.53
	8H	17.26	17.56	18.28	18.57	19.92	20.03	20.33	21.04	21.34	22.69