

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: P934723

Luminaire Tested: SQ4-FA-075U-075D-927-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934723
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-927-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

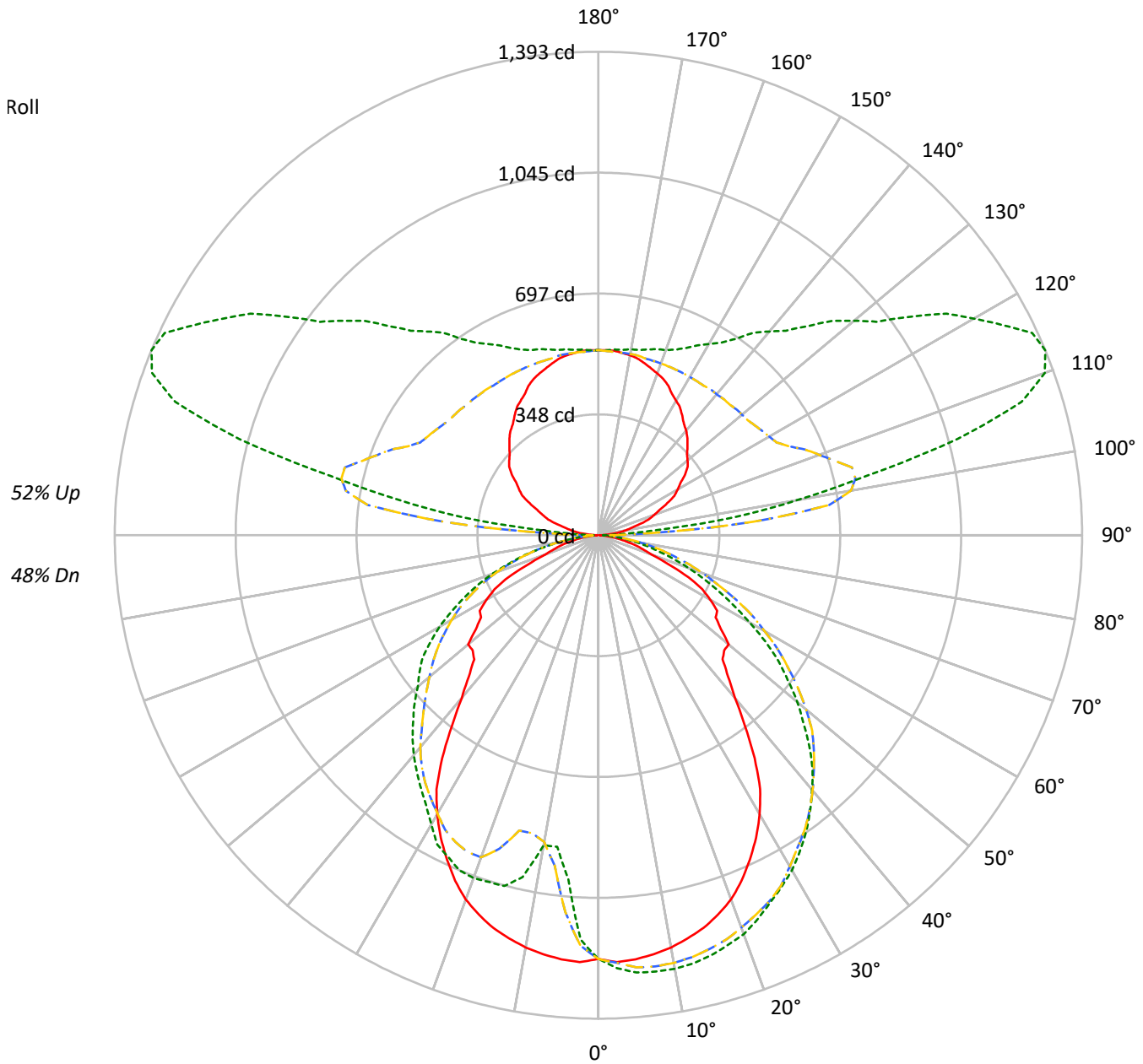
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6625.8 lumens
Efficiency: N/A
Efficacy: 104.2 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

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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°	7552	7552	7552	7552
5°	7606	7624	7606	5995
10°	7552	7510	7552	5369
15°	7467	7347	7467	6135
20°	7308	7154	7308	6147
25°	6986	6873	6986	6017
30°	6570	6640	6570	5731
35°	5854	6345	5854	5417
40°	4876	5997	4876	5180
45°	4353	5590	4353	4906
50°	4621	5105	4621	4632
55°	4343	4582	4343	4474
60°	4472	3892	4472	4098
65°	4048	3217	4048	3597
70°	2797	2563	2797	3015
75°	2444	1895	2444	2269
80°	1956	1254	1956	1364
85°	1103	664	1103	565

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 6676 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	1.7
10°-20°	312.9	4.7
20°-30°	483.7	7.3
30°-40°	577.4	8.7
40°-50°	580.8	8.8
50°-60°	505.4	7.6
60°-70°	358.3	5.4
70°-80°	189.6	2.9
80°-90°	49.3	0.7
90°-100°	260.0	3.9
100°-110°	683.7	10.3
110°-120°	708.9	10.7
120°-130°	568.6	8.6
130°-140°	446.2	6.7
140°-150°	342.4	5.2
150°-160°	246.6	3.7
160°-170°	150.9	2.3
170°-180°	51.0	0.8
0°-30°	906.8	13.7
0°-40°	1484.2	22.4
0°-60°	2570.3	38.8
0°-90°	3167.4	47.8
90°-120°	1652.6	24.9
90°-150°	3009.8	45.4
90°-180°	3458.0	52.2
0°-180°	6625.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1221	1221	1221	1221	1221	
5°	1227	1265	1227	994	1227	116
15°	1171	1253	1171	1046	1171	330
25°	1031	1169	1031	1023	1031	474
35°	784	1043	784	890	784	485
45°	506	859	506	754	506	405
55°	412	634	412	619	412	379
65°	286	382	286	427	286	274
75°	109	181	109	217	109	114
85°	18	46	18	39	18	25
90°	4	14	4	14	4	4
95°	34	157	34	157	34	38
105°	123	1070	123	1070	123	131
115°	219	1378	219	1378	219	216
125°	304	1098	304	1098	304	270
135°	363	852	363	852	363	281
145°	421	691	421	691	421	264
155°	476	595	476	595	476	218
165°	513	554	513	554	513	145
175°	534	537	534	537	534	51
180°	534	534	534	534	534	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1231.2	1231.2	1238.2	1240.5	1240.5	1237.0	1233.5	1237.0	1247.4	1250.9	1249.7
5°	1226.6	1235.9	1248.6	1250.9	1253.2	1252.0	1249.7	1252.0	1263.6	1265.9	1267.0
7.5°	1217.4	1234.7	1250.9	1254.3	1257.8	1254.3	1253.2	1255.5	1267.0	1269.3	1269.3
10°	1205.8	1230.1	1248.6	1250.9	1254.3	1250.9	1250.9	1255.5	1267.0	1269.3	1270.5
12.5°	1189.6	1223.1	1240.5	1242.8	1247.4	1246.2	1245.1	1249.7	1261.3	1263.6	1263.6
15°	1171.2	1210.4	1226.6	1228.9	1237.0	1234.7	1234.7	1239.3	1252.0	1255.5	1254.3
17.5°	1145.8	1194.3	1212.8	1216.2	1222.0	1220.8	1222.0	1226.6	1238.2	1240.5	1241.6
20°	1116.9	1172.3	1194.3	1197.7	1203.5	1203.5	1203.5	1209.3	1220.8	1225.5	1225.5
22.5°	1077.6	1149.2	1172.3	1174.6	1181.6	1181.6	1183.9	1192.0	1202.4	1203.5	1203.5
25°	1031.4	1123.8	1143.4	1150.4	1157.3	1160.8	1164.2	1168.9	1172.3	1171.2	1172.3
27.5°	982.9	1091.5	1116.9	1121.5	1130.7	1134.2	1138.8	1140.0	1141.1	1144.6	1142.3
30°	928.6	1046.4	1084.5	1089.2	1104.2	1106.5	1101.9	1104.2	1110.0	1112.3	1114.6
32.5°	867.4	979.4	1051.0	1061.4	1075.3	1068.4	1067.2	1070.7	1079.9	1079.9	1082.2
35°	784.2	927.5	1019.9	1029.1	1039.5	1031.4	1036.0	1037.2	1043.0	1046.4	1045.3
37.5°	693.0	882.4	987.5	994.5	1002.5	992.1	999.1	1002.5	1007.2	1004.8	1004.8
40°	612.2	812.0	949.4	954.0	961.0	952.9	959.8	962.1	964.4	962.1	961.0
42.5°	552.1	734.6	909.0	914.8	910.1	915.9	918.2	922.8	919.4	914.8	914.8
45°	505.9	713.8	865.1	872.0	865.1	874.3	877.8	877.8	867.4	865.1	863.9
47.5°	490.9	672.2	821.2	821.2	817.7	829.3	835.1	827.0	816.6	813.1	813.1
50°	489.7	626.0	761.1	756.5	772.7	786.6	780.8	772.7	764.6	751.9	751.9
52.5°	444.7	569.4	683.8	701.1	726.5	734.6	725.3	717.3	703.4	697.6	693.0
55°	412.3	510.5	613.3	648.0	674.5	684.9	667.6	659.5	638.7	635.2	632.9
57.5°	405.4	425.0	548.6	592.5	624.9	623.7	613.3	598.3	581.0	577.5	576.3
60°	371.9	307.2	479.3	531.3	564.8	561.3	552.1	538.2	522.1	519.8	517.4
62.5°	337.3	222.9	400.8	459.7	507.0	505.9	497.8	477.0	465.5	459.7	455.1
65°	286.4	187.1	285.3	382.3	450.4	452.8	435.4	420.4	407.7	400.8	399.6
67.5°	218.3	152.5	192.9	318.8	396.2	393.9	371.9	365.0	348.8	345.3	338.4
70°	161.7	101.6	134.0	258.7	343.0	337.3	319.9	311.8	296.8	288.8	284.1
72.5°	134.0	82.0	98.2	201.0	288.8	281.8	266.8	257.6	244.9	237.9	233.3
75°	108.6	86.6	75.1	149.0	234.5	229.8	216.0	206.7	196.4	187.1	188.3
77.5°	79.7	80.9	60.1	109.7	186.0	179.0	170.9	159.4	154.8	145.5	145.5
80°	60.1	63.5	45.0	75.1	134.0	134.0	127.0	119.0	110.9	106.3	106.3
82.5°	40.4	40.4	33.5	47.4	91.2	87.8	83.2	80.9	76.2	73.9	73.9
85°	18.5	23.1	20.8	28.9	49.7	52.0	52.0	49.7	48.5	46.2	47.4
87.5°	5.8	10.4	12.7	16.2	25.4	26.6	27.7	27.7	27.7	28.9	28.9
90°	3.5	6.4	9.3	10.0	15.7	23.3	27.2	24.2	18.2	13.6	13.6
92.5°	14.3	38.7	63.0	69.1	97.1	134.5	153.2	134.3	96.4	68.0	65.3
95°	34.3	78.9	123.4	134.6	239.0	378.3	447.9	399.7	303.2	230.9	222.8
97.5°	59.4	98.7	138.0	147.8	322.0	554.2	670.3	639.8	578.9	533.1	517.5
100°	78.8	114.4	150.1	159.0	352.2	609.8	738.7	740.9	745.4	748.7	730.1
102.5°	95.2	128.5	161.8	170.1	366.1	627.3	758.0	796.8	874.5	932.7	916.8
105°	123.2	151.4	179.6	186.6	376.3	629.3	755.8	842.8	1016.9	1147.5	1139.0
107.5°	151.8	178.1	204.4	210.9	378.2	601.3	712.9	834.3	1077.2	1259.3	1261.3
110°	171.2	194.9	218.5	224.5	375.3	576.5	677.1	812.8	1084.3	1287.9	1296.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	190.1	212.7	235.3	240.9	375.5	554.8	644.5	783.4	1061.2	1269.6	1283.3
115°	218.8	239.6	260.4	265.7	378.9	529.9	605.5	739.3	1006.9	1207.7	1226.6
117.5°	247.0	266.0	284.9	289.7	386.0	514.4	578.6	699.4	940.9	1122.1	1143.1
120°	263.5	281.4	299.1	303.6	391.7	509.1	567.9	678.2	898.9	1064.4	1084.9
122.5°	279.7	297.6	315.6	320.1	399.9	506.4	559.6	659.0	857.7	1006.8	1026.9
125°	304.3	320.7	337.1	341.2	411.0	504.1	550.7	635.1	804.0	930.5	949.1
127.5°	324.4	341.0	357.4	361.6	422.1	502.8	543.2	615.6	760.6	869.3	885.0
130°	335.1	353.0	370.8	375.2	430.3	503.7	540.3	604.8	733.9	830.7	845.2
132.5°	346.2	364.1	381.8	386.3	436.8	504.1	537.8	595.5	711.1	797.7	810.7
135°	362.7	378.9	395.2	399.2	444.0	503.7	533.5	581.8	678.6	751.1	762.3
137.5°	379.5	395.5	411.6	415.6	454.7	506.7	532.8	573.6	655.4	716.8	726.0
140°	393.5	408.3	423.1	426.8	461.3	507.3	530.2	565.6	636.3	689.2	697.8
142.5°	404.2	418.0	431.7	435.0	466.8	509.0	530.2	561.3	623.3	669.9	677.3
145°	420.7	432.7	444.5	447.5	473.9	509.1	526.7	552.1	602.8	640.9	646.4
147.5°	437.1	448.8	460.4	463.3	484.4	512.6	526.7	546.6	586.6	616.5	621.2
150°	447.9	458.4	468.9	471.5	490.0	514.4	526.7	543.5	577.3	602.6	606.4
152.5°	459.0	467.0	474.9	476.9	493.5	515.6	526.7	541.1	569.9	591.5	594.4
155°	475.5	481.3	487.3	488.7	501.3	518.2	526.7	538.2	561.1	578.3	580.1
157.5°	487.6	493.4	499.1	500.6	509.3	520.9	526.7	535.6	553.4	566.8	568.1
160°	495.9	500.3	504.8	505.9	512.8	522.1	526.7	534.3	549.5	561.0	561.8
162.5°	504.1	507.5	510.8	511.7	516.7	523.4	526.7	533.1	546.0	555.7	556.4
165°	513.1	516.1	519.1	519.9	522.1	525.1	526.7	531.3	540.5	547.5	548.2
167.5°	521.3	522.8	524.1	524.5	526.4	529.0	530.2	533.2	539.3	543.9	544.2
170°	526.7	528.1	529.5	529.9	530.0	530.1	530.2	533.2	539.3	543.9	543.9
172.5°	529.5	529.8	530.1	530.2	530.2	530.2	530.2	532.6	537.4	541.0	540.7
175°	533.5	533.5	533.5	533.5	532.4	530.9	530.2	531.8	534.8	537.1	537.1
177.5°	533.5	533.5	533.5	533.5	532.6	531.5	531.0	532.2	534.6	536.4	536.1
180°	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1252.0	1248.6	1252.0	1249.7	1250.9	1247.4	1237.0	1233.5	1237.0	1240.5	1240.5
5°	1267.0	1264.7	1267.0	1267.0	1265.9	1263.6	1252.0	1249.7	1252.0	1253.2	1250.9
7.5°	1271.7	1268.2	1271.7	1269.3	1269.3	1267.0	1255.5	1253.2	1254.3	1257.8	1254.3
10°	1271.7	1268.2	1271.7	1270.5	1269.3	1267.0	1255.5	1250.9	1250.9	1254.3	1250.9
12.5°	1265.9	1263.6	1265.9	1263.6	1263.6	1261.3	1249.7	1245.1	1246.2	1247.4	1242.8
15°	1256.6	1253.2	1256.6	1254.3	1255.5	1252.0	1239.3	1234.7	1234.7	1237.0	1228.9
17.5°	1242.8	1238.2	1242.8	1241.6	1240.5	1238.2	1226.6	1222.0	1220.8	1222.0	1216.2
20°	1226.6	1223.1	1226.6	1225.5	1225.5	1220.8	1209.3	1203.5	1203.5	1203.5	1197.7
22.5°	1201.2	1197.7	1201.2	1203.5	1203.5	1202.4	1192.0	1183.9	1181.6	1181.6	1174.6
25°	1172.3	1168.9	1172.3	1172.3	1171.2	1172.3	1168.9	1164.2	1160.8	1157.3	1150.4
27.5°	1144.6	1142.3	1144.6	1142.3	1144.6	1141.1	1140.0	1138.8	1134.2	1130.7	1121.5
30°	1116.9	1114.6	1116.9	1114.6	1112.3	1110.0	1104.2	1101.9	1106.5	1104.2	1089.2
32.5°	1082.2	1079.9	1082.2	1082.2	1079.9	1079.9	1070.7	1067.2	1068.4	1075.3	1061.4
35°	1046.4	1043.0	1046.4	1045.3	1046.4	1043.0	1037.2	1036.0	1031.4	1039.5	1029.1
37.5°	1004.8	1001.4	1004.8	1004.8	1004.8	1007.2	1002.5	999.1	992.1	1002.5	994.5
40°	962.1	957.5	962.1	961.0	962.1	964.4	962.1	959.8	952.9	961.0	954.0
42.5°	913.6	912.4	913.6	914.8	914.8	919.4	922.8	918.2	915.9	910.1	914.8
45°	861.6	859.3	861.6	863.9	865.1	867.4	877.8	877.8	874.3	865.1	872.0
47.5°	806.2	800.4	806.2	813.1	813.1	816.6	827.0	835.1	829.3	817.7	821.2
50°	747.3	748.4	747.3	751.9	751.9	764.6	772.7	780.8	786.6	772.7	756.5
52.5°	689.5	688.4	689.5	693.0	697.6	703.4	717.3	725.3	734.6	726.5	701.1
55°	631.8	634.1	631.8	632.9	635.2	638.7	659.5	667.6	684.9	674.5	648.0
57.5°	574.0	570.6	574.0	576.3	577.5	581.0	598.3	613.3	623.7	624.9	592.5
60°	507.0	502.4	507.0	517.4	519.8	522.1	538.2	552.1	561.3	564.8	531.3
62.5°	448.1	440.1	448.1	455.1	459.7	465.5	477.0	497.8	505.9	507.0	459.7
65°	385.8	382.3	385.8	399.6	400.8	407.7	420.4	435.4	452.8	450.4	382.3
67.5°	329.2	329.2	329.2	338.4	345.3	348.8	365.0	371.9	393.9	396.2	318.8
70°	277.2	276.0	277.2	284.1	288.8	296.8	311.8	319.9	337.3	343.0	258.7
72.5°	227.5	226.4	227.5	233.3	237.9	244.9	257.6	266.8	281.8	288.8	201.0
75°	183.6	181.3	183.6	188.3	187.1	196.4	206.7	216.0	229.8	234.5	149.0
77.5°	140.9	140.9	140.9	145.5	145.5	154.8	159.4	170.9	179.0	186.0	109.7
80°	105.1	104.0	105.1	106.3	106.3	110.9	119.0	127.0	134.0	134.0	75.1
82.5°	73.9	71.6	73.9	73.9	73.9	76.2	80.9	83.2	87.8	91.2	47.4
85°	46.2	46.2	46.2	47.4	46.2	48.5	49.7	52.0	52.0	49.7	28.9
87.5°	30.0	28.9	30.0	28.9	28.9	27.7	27.7	27.7	26.6	25.4	16.2
90°	13.6	13.6	13.6	13.6	13.6	18.2	24.2	27.2	23.3	15.7	10.0
92.5°	54.4	43.7	54.4	65.3	68.0	96.4	134.3	153.2	134.5	97.1	69.1
95°	190.0	157.2	190.0	222.8	230.9	303.2	399.7	447.9	378.3	239.0	134.6
97.5°	455.1	392.8	455.1	517.5	533.1	578.9	639.8	670.3	554.2	322.0	147.8
100°	655.7	581.4	655.7	730.1	748.7	745.4	740.9	738.7	609.8	352.2	159.0
102.5°	853.2	789.5	853.2	916.8	932.7	874.5	796.8	758.0	627.3	366.1	170.1
105°	1104.7	1070.5	1104.7	1139.0	1147.5	1016.9	842.8	755.8	629.3	376.3	186.6
107.5°	1269.6	1277.8	1269.6	1261.3	1259.3	1077.2	834.3	712.9	601.3	378.2	210.9
110°	1332.4	1368.1	1332.4	1296.8	1287.9	1084.3	812.8	677.1	576.5	375.3	224.5



TEST NUMBER: P934723

CATALOG NUMBER: SQ4-FA-075U-075D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1338.0	1392.8	1338.0	1283.3	1269.6	1061.2	783.4	644.5	554.8	375.5	240.9
115°	1302.5	1378.5	1302.5	1226.6	1207.7	1006.9	739.3	605.5	529.9	378.9	265.7
117.5°	1227.3	1311.5	1227.3	1143.1	1122.1	940.9	699.4	578.6	514.4	386.0	289.7
120°	1166.7	1248.5	1166.7	1084.9	1064.4	898.9	678.2	567.9	509.1	391.7	303.6
122.5°	1107.6	1188.3	1107.6	1026.9	1006.8	857.7	659.0	559.6	506.4	399.9	320.1
125°	1023.5	1097.8	1023.5	949.1	930.5	804.0	635.1	550.7	504.1	411.0	341.2
127.5°	947.7	1010.4	947.7	885.0	869.3	760.6	615.6	543.2	502.8	422.1	361.6
130°	903.1	961.0	903.1	845.2	830.7	733.9	604.8	540.3	503.7	430.3	375.2
132.5°	862.6	914.5	862.6	810.7	797.7	711.1	595.5	537.8	504.1	436.8	386.3
135°	807.0	851.8	807.0	762.3	751.1	678.6	581.8	533.5	503.7	444.0	399.2
137.5°	762.5	799.2	762.5	726.0	716.8	655.4	573.6	532.8	506.7	454.7	415.6
140°	732.0	766.2	732.0	697.8	689.2	636.3	565.6	530.2	507.3	461.3	426.8
142.5°	706.7	736.1	706.7	677.3	669.9	623.3	561.3	530.2	509.0	466.8	435.0
145°	668.7	691.0	668.7	646.4	640.9	602.8	552.1	526.7	509.1	473.9	447.5
147.5°	639.6	658.0	639.6	621.2	616.5	586.6	546.6	526.7	512.6	484.4	463.3
150°	621.3	636.3	621.3	606.4	602.6	577.3	543.5	526.7	514.4	490.0	471.5
152.5°	605.6	616.9	605.6	594.4	591.5	569.9	541.1	526.7	515.6	493.5	476.9
155°	587.6	595.1	587.6	580.1	578.3	561.1	538.2	526.7	518.2	501.3	488.7
157.5°	573.3	578.6	573.3	568.1	566.8	553.4	535.6	526.7	520.9	509.3	500.6
160°	564.8	567.9	564.8	561.8	561.0	549.5	534.3	526.7	522.1	512.8	505.9
162.5°	559.3	562.1	559.3	556.4	555.7	546.0	533.1	526.7	523.4	516.7	511.7
165°	551.2	554.2	551.2	548.2	547.5	540.5	531.3	526.7	525.1	522.1	519.9
167.5°	545.5	546.7	545.5	544.2	543.9	539.3	533.2	530.2	529.0	526.4	524.5
170°	543.9	543.9	543.9	543.9	543.9	539.3	533.2	530.2	530.1	530.0	529.9
172.5°	539.6	538.5	539.6	540.7	541.0	537.4	532.6	530.2	530.2	530.2	530.2
175°	537.1	537.1	537.1	537.1	537.1	534.8	531.8	530.2	530.9	532.4	533.5
177.5°	534.8	533.5	534.8	536.1	536.4	534.6	532.2	531.0	531.5	532.6	533.5
180°	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5



TEST NUMBER: P934723

CATALOG NUMBER: SQ4-FA-075U-075D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1238.2	1231.2	1231.2	1219.7	1215.1	1211.6	1205.8	1188.5	1183.9	1179.3	1186.2
5°	1248.6	1235.9	1226.6	1205.8	1188.5	1181.6	1159.6	1118.0	1090.3	1069.5	1058.0
7.5°	1250.9	1234.7	1217.4	1185.0	1143.4	1125.0	1058.0	981.8	961.0	942.5	930.9
10°	1248.6	1230.1	1205.8	1157.3	1059.1	1026.8	959.8	910.1	897.4	894.0	897.4
12.5°	1240.5	1223.1	1189.6	1108.8	971.4	949.4	910.1	881.3	879.0	884.7	915.9
15°	1226.6	1210.4	1171.2	1044.1	922.8	906.7	879.0	868.6	881.3	921.7	1015.2
17.5°	1212.8	1194.3	1145.8	980.6	885.9	874.3	854.7	875.5	947.1	1001.4	1032.6
20°	1194.3	1172.3	1116.9	934.4	859.3	848.9	839.7	933.2	987.5	1007.2	1024.5
22.5°	1172.3	1149.2	1077.6	902.1	831.6	823.5	829.3	965.6	987.5	1001.4	1016.4
25°	1143.4	1123.8	1031.4	876.6	809.7	800.4	822.4	962.1	974.8	978.3	1008.3
27.5°	1116.9	1091.5	982.9	853.5	783.1	779.6	828.1	947.1	956.3	959.8	992.1
30°	1084.5	1046.4	928.6	829.3	755.4	754.2	829.3	928.6	926.3	935.6	967.9
32.5°	1051.0	979.4	867.4	799.3	728.8	727.6	821.2	900.9	898.6	911.3	935.6
35°	1019.9	927.5	784.2	764.6	695.3	696.5	801.6	868.6	869.7	881.3	896.3
37.5°	987.5	882.4	693.0	726.5	663.0	663.0	775.0	838.5	836.2	839.7	860.5
40°	949.4	812.0	612.2	676.8	632.9	629.5	742.7	806.2	798.1	797.0	825.8
42.5°	909.0	734.6	552.1	611.0	598.3	593.7	703.4	766.9	751.9	755.4	792.3
45°	865.1	713.8	505.9	516.3	562.5	559.0	660.7	721.9	711.5	720.7	758.8
47.5°	821.2	672.2	490.9	428.5	524.4	523.2	613.3	678.0	672.2	681.4	721.9
50°	761.1	626.0	489.7	367.3	481.6	486.3	556.7	635.2	635.2	643.3	686.1
52.5°	683.8	569.4	444.7	332.6	432.0	445.8	507.0	598.3	600.6	608.7	646.8
55°	613.3	510.5	412.3	306.1	373.1	403.1	458.5	560.2	564.8	572.9	607.5
57.5°	548.6	425.0	405.4	274.9	318.8	347.7	415.8	523.2	525.5	532.5	566.0
60°	479.3	307.2	371.9	241.4	271.4	293.4	376.5	479.3	487.4	492.0	520.9
62.5°	400.8	222.9	337.3	218.3	248.3	252.9	344.2	437.7	448.1	451.6	468.9
65°	285.3	187.1	286.4	198.7	224.1	225.2	309.5	395.0	404.2	410.0	422.7
67.5°	192.9	152.5	218.3	180.2	205.6	206.7	276.0	345.3	358.0	362.7	370.8
70°	134.0	101.6	161.7	160.5	184.8	187.1	240.2	300.3	311.8	315.3	319.9
72.5°	98.2	82.0	134.0	144.4	162.9	165.2	203.3	249.5	261.0	264.5	266.8
75°	75.1	86.6	108.6	125.9	138.6	139.8	166.3	203.3	211.4	213.7	214.8
77.5°	60.1	80.9	79.7	101.6	113.2	110.9	130.5	157.1	164.0	164.0	164.0
80°	45.0	63.5	60.1	72.8	83.2	80.9	93.6	112.0	114.3	116.7	115.5
82.5°	33.5	40.4	40.4	46.2	55.4	53.1	62.4	72.8	72.8	72.8	75.1
85°	20.8	23.1	18.5	24.3	31.2	30.0	34.6	39.3	40.4	40.4	38.1
87.5°	12.7	10.4	5.8	9.2	13.9	13.9	16.2	17.3	16.2	16.2	16.2
90°	9.3	6.4	3.5	6.4	9.3	10.0	15.7	23.3	27.2	24.2	18.2
92.5°	63.0	38.7	14.3	38.7	63.0	69.1	97.1	134.5	153.2	134.3	96.4
95°	123.4	78.9	34.3	78.9	123.4	134.6	239.0	378.3	447.9	399.7	303.2
97.5°	138.0	98.7	59.4	98.7	138.0	147.8	322.0	554.2	670.3	639.8	578.9
100°	150.1	114.4	78.8	114.4	150.1	159.0	352.2	609.8	738.7	740.9	745.4
102.5°	161.8	128.5	95.2	128.5	161.8	170.1	366.1	627.3	758.0	796.8	874.5
105°	179.6	151.4	123.2	151.4	179.6	186.6	376.3	629.3	755.8	842.8	1016.9
107.5°	204.4	178.1	151.8	178.1	204.4	210.9	378.2	601.3	712.9	834.3	1077.2
110°	218.5	194.9	171.2	194.9	218.5	224.5	375.3	576.5	677.1	812.8	1084.3



TEST NUMBER: P934723

CATALOG NUMBER: SQ4-FA-075U-075D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	235.3	212.7	190.1	212.7	235.3	240.9	375.5	554.8	644.5	783.4	1061.2
115°	260.4	239.6	218.8	239.6	260.4	265.7	378.9	529.9	605.5	739.3	1006.9
117.5°	284.9	266.0	247.0	266.0	284.9	289.7	386.0	514.4	578.6	699.4	940.9
120°	299.1	281.4	263.5	281.4	299.1	303.6	391.7	509.1	567.9	678.2	898.9
122.5°	315.6	297.6	279.7	297.6	315.6	320.1	399.9	506.4	559.6	659.0	857.7
125°	337.1	320.7	304.3	320.7	337.1	341.2	411.0	504.1	550.7	635.1	804.0
127.5°	357.4	341.0	324.4	341.0	357.4	361.6	422.1	502.8	543.2	615.6	760.6
130°	370.8	353.0	335.1	353.0	370.8	375.2	430.3	503.7	540.3	604.8	733.9
132.5°	381.8	364.1	346.2	364.1	381.8	386.3	436.8	504.1	537.8	595.5	711.1
135°	395.2	378.9	362.7	378.9	395.2	399.2	444.0	503.7	533.5	581.8	678.6
137.5°	411.6	395.5	379.5	395.5	411.6	415.6	454.7	506.7	532.8	573.6	655.4
140°	423.1	408.3	393.5	408.3	423.1	426.8	461.3	507.3	530.2	565.6	636.3
142.5°	431.7	418.0	404.2	418.0	431.7	435.0	466.8	509.0	530.2	561.3	623.3
145°	444.5	432.7	420.7	432.7	444.5	447.5	473.9	509.1	526.7	552.1	602.8
147.5°	460.4	448.8	437.1	448.8	460.4	463.3	484.4	512.6	526.7	546.6	586.6
150°	468.9	458.4	447.9	458.4	468.9	471.5	490.0	514.4	526.7	543.5	577.3
152.5°	474.9	467.0	459.0	467.0	474.9	476.9	493.5	515.6	526.7	541.1	569.9
155°	487.3	481.3	475.5	481.3	487.3	488.7	501.3	518.2	526.7	538.2	561.1
157.5°	499.1	493.4	487.6	493.4	499.1	500.6	509.3	520.9	526.7	535.6	553.4
160°	504.8	500.3	495.9	500.3	504.8	505.9	512.8	522.1	526.7	534.3	549.5
162.5°	510.8	507.5	504.1	507.5	510.8	511.7	516.7	523.4	526.7	533.1	546.0
165°	519.1	516.1	513.1	516.1	519.1	519.9	522.1	525.1	526.7	531.3	540.5
167.5°	524.1	522.8	521.3	522.8	524.1	524.5	526.4	529.0	530.2	533.2	539.3
170°	529.5	528.1	526.7	528.1	529.5	529.9	530.0	530.1	530.2	533.2	539.3
172.5°	530.1	529.8	529.5	529.8	530.1	530.2	530.2	530.2	530.2	532.6	537.4
175°	533.5	533.5	533.5	533.5	533.5	533.5	532.4	530.9	530.2	531.8	534.8
177.5°	533.5	533.5	533.5	533.5	533.5	533.5	532.6	531.5	531.0	532.2	534.6
180°	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5



TEST NUMBER: P934723

CATALOG NUMBER: SQ4-FA-075U-075D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1178.1	1174.6	1179.3	1166.6	1179.3	1174.6	1178.1	1186.2	1179.3	1183.9	1188.5
5°	1033.7	1028.0	1009.5	994.5	1009.5	1028.0	1033.7	1058.0	1069.5	1090.3	1118.0
7.5°	924.0	919.4	914.8	905.5	914.8	919.4	924.0	930.9	942.5	961.0	981.8
10°	899.7	900.9	907.8	906.7	907.8	900.9	899.7	897.4	894.0	897.4	910.1
12.5°	962.1	972.5	1010.6	1008.3	1010.6	972.5	962.1	915.9	884.7	879.0	881.3
15°	1033.7	1037.2	1045.3	1046.4	1045.3	1037.2	1033.7	1015.2	921.7	881.3	868.6
17.5°	1040.7	1041.8	1047.6	1047.6	1047.6	1041.8	1040.7	1032.6	1001.4	947.1	875.5
20°	1034.9	1037.2	1048.7	1051.0	1048.7	1037.2	1034.9	1024.5	1007.2	987.5	933.2
22.5°	1032.6	1037.2	1046.4	1045.3	1046.4	1037.2	1032.6	1016.4	1001.4	987.5	965.6
25°	1021.0	1021.0	1022.2	1023.3	1022.2	1021.0	1021.0	1008.3	978.3	974.8	962.1
27.5°	996.8	999.1	1006.0	1004.8	1006.0	999.1	996.8	992.1	959.8	956.3	947.1
30°	974.8	972.5	966.7	962.1	966.7	972.5	974.8	967.9	935.6	926.3	928.6
32.5°	937.9	932.1	926.3	922.8	926.3	932.1	937.9	935.6	911.3	898.6	900.9
35°	894.0	895.1	894.0	890.5	894.0	895.1	894.0	896.3	881.3	869.7	868.6
37.5°	862.8	865.1	863.9	859.3	863.9	865.1	862.8	860.5	839.7	836.2	838.5
40°	830.4	831.6	830.4	827.0	830.4	831.6	830.4	825.8	797.0	798.1	806.2
42.5°	799.3	798.1	794.6	792.3	794.6	798.1	799.3	792.3	755.4	751.9	766.9
45°	763.5	764.6	757.7	754.2	757.7	764.6	763.5	758.8	720.7	711.5	721.9
47.5°	727.6	727.6	721.9	718.4	721.9	727.6	727.6	721.9	681.4	672.2	678.0
50°	689.5	688.4	680.3	679.1	680.3	688.4	689.5	686.1	643.3	635.2	635.2
52.5°	645.6	645.6	646.8	649.1	646.8	645.6	645.6	646.8	608.7	600.6	598.3
55°	607.5	608.7	616.8	619.1	616.8	608.7	607.5	607.5	572.9	564.8	560.2
57.5°	568.3	568.3	574.0	574.0	574.0	568.3	568.3	566.0	532.5	525.5	523.2
60°	523.2	525.5	530.1	529.0	530.1	525.5	523.2	520.9	492.0	487.4	479.3
62.5°	475.9	478.2	479.3	477.0	479.3	478.2	475.9	468.9	451.6	448.1	437.7
65°	426.2	428.5	429.7	427.4	429.7	428.5	426.2	422.7	410.0	404.2	395.0
67.5°	375.4	374.2	373.1	377.7	373.1	374.2	375.4	370.8	362.7	358.0	345.3
70°	323.4	323.4	322.2	324.6	322.2	323.4	323.4	319.9	315.3	311.8	300.3
72.5°	268.0	266.8	271.4	268.0	271.4	266.8	268.0	266.8	264.5	261.0	249.5
75°	213.7	216.0	213.7	217.1	213.7	216.0	213.7	214.8	213.7	211.4	203.3
77.5°	162.9	165.2	162.9	162.9	162.9	165.2	162.9	164.0	164.0	164.0	157.1
80°	115.5	114.3	114.3	113.2	114.3	114.3	115.5	115.5	116.7	114.3	112.0
82.5°	73.9	72.8	72.8	75.1	72.8	72.8	73.9	75.1	72.8	72.8	72.8
85°	40.4	41.6	39.3	39.3	39.3	41.6	40.4	38.1	40.4	40.4	39.3
87.5°	15.0	13.9	13.9	13.9	13.9	13.9	15.0	16.2	16.2	16.2	17.3
90°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	18.2	24.2	27.2	23.3
92.5°	68.0	65.3	54.4	43.7	54.4	65.3	68.0	96.4	134.3	153.2	134.5
95°	230.9	222.8	190.0	157.2	190.0	222.8	230.9	303.2	399.7	447.9	378.3
97.5°	533.1	517.5	455.1	392.8	455.1	517.5	533.1	578.9	639.8	670.3	554.2
100°	748.7	730.1	655.7	581.4	655.7	730.1	748.7	745.4	740.9	738.7	609.8
102.5°	932.7	916.8	853.2	789.5	853.2	916.8	932.7	874.5	796.8	758.0	627.3
105°	1147.5	1139.0	1104.7	1070.5	1104.7	1139.0	1147.5	1016.9	842.8	755.8	629.3
107.5°	1259.3	1261.3	1269.6	1277.8	1269.6	1261.3	1259.3	1077.2	834.3	712.9	601.3
110°	1287.9	1296.8	1332.4	1368.1	1332.4	1296.8	1287.9	1084.3	812.8	677.1	576.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1269.6	1283.3	1338.0	1392.8	1338.0	1283.3	1269.6	1061.2	783.4	644.5	554.8
115°	1207.7	1226.6	1302.5	1378.5	1302.5	1226.6	1207.7	1006.9	739.3	605.5	529.9
117.5°	1122.1	1143.1	1227.3	1311.5	1227.3	1143.1	1122.1	940.9	699.4	578.6	514.4
120°	1064.4	1084.9	1166.7	1248.5	1166.7	1084.9	1064.4	898.9	678.2	567.9	509.1
122.5°	1006.8	1026.9	1107.6	1188.3	1107.6	1026.9	1006.8	857.7	659.0	559.6	506.4
125°	930.5	949.1	1023.5	1097.8	1023.5	949.1	930.5	804.0	635.1	550.7	504.1
127.5°	869.3	885.0	947.7	1010.4	947.7	885.0	869.3	760.6	615.6	543.2	502.8
130°	830.7	845.2	903.1	961.0	903.1	845.2	830.7	733.9	604.8	540.3	503.7
132.5°	797.7	810.7	862.6	914.5	862.6	810.7	797.7	711.1	595.5	537.8	504.1
135°	751.1	762.3	807.0	851.8	807.0	762.3	751.1	678.6	581.8	533.5	503.7
137.5°	716.8	726.0	762.5	799.2	762.5	726.0	716.8	655.4	573.6	532.8	506.7
140°	689.2	697.8	732.0	766.2	732.0	697.8	689.2	636.3	565.6	530.2	507.3
142.5°	669.9	677.3	706.7	736.1	706.7	677.3	669.9	623.3	561.3	530.2	509.0
145°	640.9	646.4	668.7	691.0	668.7	646.4	640.9	602.8	552.1	526.7	509.1
147.5°	616.5	621.2	639.6	658.0	639.6	621.2	616.5	586.6	546.6	526.7	512.6
150°	602.6	606.4	621.3	636.3	621.3	606.4	602.6	577.3	543.5	526.7	514.4
152.5°	591.5	594.4	605.6	616.9	605.6	594.4	591.5	569.9	541.1	526.7	515.6
155°	578.3	580.1	587.6	595.1	587.6	580.1	578.3	561.1	538.2	526.7	518.2
157.5°	566.8	568.1	573.3	578.6	573.3	568.1	566.8	553.4	535.6	526.7	520.9
160°	561.0	561.8	564.8	567.9	564.8	561.8	561.0	549.5	534.3	526.7	522.1
162.5°	555.7	556.4	559.3	562.1	559.3	556.4	555.7	546.0	533.1	526.7	523.4
165°	547.5	548.2	551.2	554.2	551.2	548.2	547.5	540.5	531.3	526.7	525.1
167.5°	543.9	544.2	545.5	546.7	545.5	544.2	543.9	539.3	533.2	530.2	529.0
170°	543.9	543.9	543.9	543.9	543.9	543.9	543.9	539.3	533.2	530.2	530.1
172.5°	541.0	540.7	539.6	538.5	539.6	540.7	541.0	537.4	532.6	530.2	530.2
175°	537.1	537.1	537.1	537.1	537.1	537.1	537.1	534.8	531.8	530.2	530.9
177.5°	536.4	536.1	534.8	533.5	534.8	536.1	536.4	534.6	532.2	531.0	531.5
180°	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5	533.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1220.8	1220.8	1220.8	1220.8	1220.8
2.5°	1205.8	1211.6	1215.1	1219.7	1231.2
5°	1159.6	1181.6	1188.5	1205.8	1226.6
7.5°	1058.0	1125.0	1143.4	1185.0	1217.4
10°	959.8	1026.8	1059.1	1157.3	1205.8
12.5°	910.1	949.4	971.4	1108.8	1189.6
15°	879.0	906.7	922.8	1044.1	1171.2
17.5°	854.7	874.3	885.9	980.6	1145.8
20°	839.7	848.9	859.3	934.4	1116.9
22.5°	829.3	823.5	831.6	902.1	1077.6
25°	822.4	800.4	809.7	876.6	1031.4
27.5°	828.1	779.6	783.1	853.5	982.9
30°	829.3	754.2	755.4	829.3	928.6
32.5°	821.2	727.6	728.8	799.3	867.4
35°	801.6	696.5	695.3	764.6	784.2
37.5°	775.0	663.0	663.0	726.5	693.0
40°	742.7	629.5	632.9	676.8	612.2
42.5°	703.4	593.7	598.3	611.0	552.1
45°	660.7	559.0	562.5	516.3	505.9
47.5°	613.3	523.2	524.4	428.5	490.9
50°	556.7	486.3	481.6	367.3	489.7
52.5°	507.0	445.8	432.0	332.6	444.7
55°	458.5	403.1	373.1	306.1	412.3
57.5°	415.8	347.7	318.8	274.9	405.4
60°	376.5	293.4	271.4	241.4	371.9
62.5°	344.2	252.9	248.3	218.3	337.3
65°	309.5	225.2	224.1	198.7	286.4
67.5°	276.0	206.7	205.6	180.2	218.3
70°	240.2	187.1	184.8	160.5	161.7
72.5°	203.3	165.2	162.9	144.4	134.0
75°	166.3	139.8	138.6	125.9	108.6
77.5°	130.5	110.9	113.2	101.6	79.7
80°	93.6	80.9	83.2	72.8	60.1
82.5°	62.4	53.1	55.4	46.2	40.4
85°	34.6	30.0	31.2	24.3	18.5
87.5°	16.2	13.9	13.9	9.2	5.8
90°	15.7	10.0	9.3	6.4	3.5
92.5°	97.1	69.1	63.0	38.7	14.3
95°	239.0	134.6	123.4	78.9	34.3
97.5°	322.0	147.8	138.0	98.7	59.4
100°	352.2	159.0	150.1	114.4	78.8
102.5°	366.1	170.1	161.8	128.5	95.2
105°	376.3	186.6	179.6	151.4	123.2
107.5°	378.2	210.9	204.4	178.1	151.8
110°	375.3	224.5	218.5	194.9	171.2



TEST NUMBER: P934723

CATALOG NUMBER: SQ4-FA-075U-075D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	375.5	240.9	235.3	212.7	190.1
115°	378.9	265.7	260.4	239.6	218.8
117.5°	386.0	289.7	284.9	266.0	247.0
120°	391.7	303.6	299.1	281.4	263.5
122.5°	399.9	320.1	315.6	297.6	279.7
125°	411.0	341.2	337.1	320.7	304.3
127.5°	422.1	361.6	357.4	341.0	324.4
130°	430.3	375.2	370.8	353.0	335.1
132.5°	436.8	386.3	381.8	364.1	346.2
135°	444.0	399.2	395.2	378.9	362.7
137.5°	454.7	415.6	411.6	395.5	379.5
140°	461.3	426.8	423.1	408.3	393.5
142.5°	466.8	435.0	431.7	418.0	404.2
145°	473.9	447.5	444.5	432.7	420.7
147.5°	484.4	463.3	460.4	448.8	437.1
150°	490.0	471.5	468.9	458.4	447.9
152.5°	493.5	476.9	474.9	467.0	459.0
155°	501.3	488.7	487.3	481.3	475.5
157.5°	509.3	500.6	499.1	493.4	487.6
160°	512.8	505.9	504.8	500.3	495.9
162.5°	516.7	511.7	510.8	507.5	504.1
165°	522.1	519.9	519.1	516.1	513.1
167.5°	526.4	524.5	524.1	522.8	521.3
170°	530.0	529.9	529.5	528.1	526.7
172.5°	530.2	530.2	530.1	529.8	529.5
175°	532.4	533.5	533.5	533.5	533.5
177.5°	532.6	533.5	533.5	533.5	533.5
180°	533.5	533.5	533.5	533.5	533.5



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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	11.62	12.46	12.60	13.45	14.75	14.44	15.29	15.42	16.28	17.58
	3H	12.10	12.85	13.08	13.85	15.17	15.79	16.54	16.77	17.54	18.86
	4H	12.29	13.00	13.29	14.00	15.33	16.23	16.94	17.23	17.94	19.28
	6H	12.40	13.06	13.42	14.07	15.41	16.51	17.17	17.52	18.18	19.52
	8H	12.41	13.03	13.42	14.05	15.40	16.58	17.21	17.60	18.23	19.57
	12H	12.38	12.97	13.40	13.99	15.35	16.62	17.22	17.64	18.23	19.60
4H	2H	12.65	13.36	13.66	14.37	15.70	14.85	15.57	15.86	16.57	17.90
	3H	13.67	14.27	14.69	15.30	16.65	16.35	16.95	17.37	17.98	19.33
	4H	13.95	14.49	14.97	15.52	16.89	16.88	17.42	17.90	18.45	19.82
	6H	14.07	14.54	15.11	15.59	16.95	17.24	17.71	18.28	18.76	20.12
	8H	14.08	14.52	15.11	15.56	16.94	17.35	17.79	18.38	18.82	20.20
	12H	14.05	14.44	15.10	15.49	16.88	17.40	17.80	18.46	18.85	20.24
8H	4H	14.40	14.84	15.44	15.88	17.26	17.00	17.44	18.04	18.48	19.86
	6H	14.66	15.02	15.72	16.10	17.48	17.44	17.80	18.50	18.88	20.26
	8H	14.70	15.02	15.77	16.09	17.48	17.59	17.91	18.65	18.97	20.37
	12H	14.69	14.97	15.76	16.03	17.47	17.68	17.96	18.75	19.02	20.46
12H	4H	14.41	14.80	15.46	15.86	17.24	16.97	17.36	18.02	18.42	19.80
	6H	14.72	15.04	15.79	16.11	17.50	17.43	17.75	18.50	18.82	20.22
	8H	14.79	15.07	15.86	16.13	17.57	17.59	17.87	18.66	18.93	20.37