

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: P935523

Luminaire Tested: SQ4-FA-125U-075D-927-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935523
REPORT IS A COMBINATION OF REPORTS P933759 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-075D-927-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

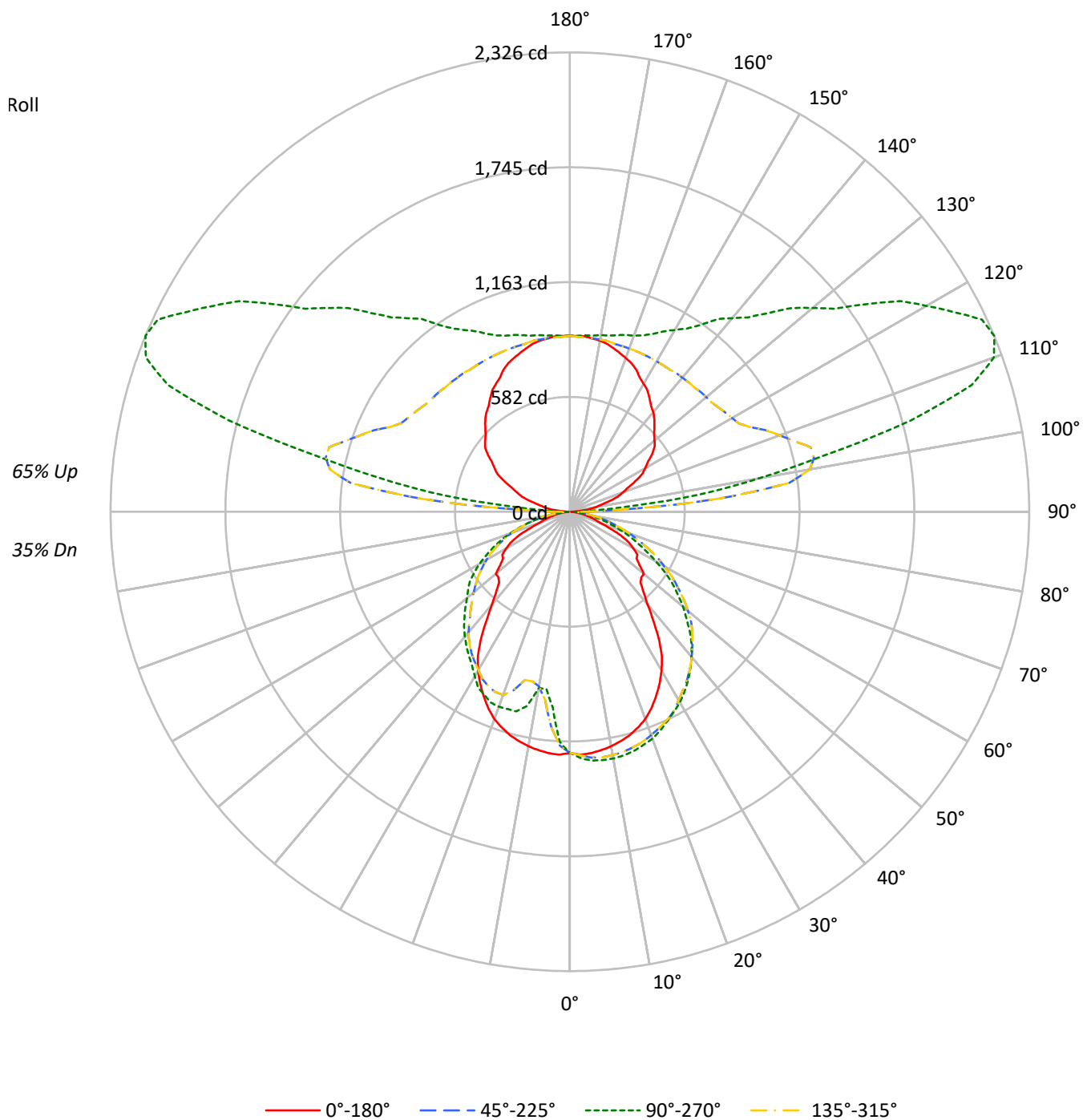
Lumens per Lamp: N/A
Luminaire Lumens: 8945.0 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 83.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35		
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30		
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25		
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21		
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18		
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16		
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14		
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12		
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11		
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10		
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9		

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	1.2
10°-20°	312.9	3.5
20°-30°	483.7	5.4
30°-40°	577.4	6.5
40°-50°	580.8	6.5
50°-60°	505.4	5.6
60°-70°	358.3	4.0
70°-80°	189.6	2.1
80°-90°	50.6	0.6
90°-100°	434.3	4.9
100°-110°	1141.9	12.8
110°-120°	1184.0	13.2
120°-130°	949.7	10.6
130°-140°	745.2	8.3
140°-150°	572.0	6.4
150°-160°	411.9	4.6
160°-170°	252.0	2.8
170°-180°	85.1	1.0
0°-30°	906.8	10.1
0°-40°	1484.2	16.6
0°-60°	2570.3	28.7
0°-90°	3168.8	35.4
90°-120°	2760.2	30.9
90°-150°	5027.1	56.2
90°-180°	5776.0	64.6
0°-180°	8945.0	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°	6	23	6	23	6	6
95°	57	262	57	262	57	64
105°	206	1788	206	1788	206	218
115°	365	2302	365	2302	365	361
125°	508	1834	508	1834	508	451
135°	606	1423	606	1423	606	469
145°	703	1154	703	1154	703	440
155°	794	994	794	994	794	365
165°	857	926	857	926	857	242
175°	891	897	891	897	891	85
180°	891	891	891	891	891	

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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°	6.0	10.8	15.6	16.7	26.3	39.0	45.4	40.3	30.3	22.7	22.7
92.5°	23.9	64.6	105.3	115.4	162.2	224.7	255.9	224.3	161.1	113.7	109.1
95°	57.4	131.8	206.2	224.8	399.2	631.9	748.1	667.6	506.5	385.7	372.0
97.5°	99.3	164.9	230.5	246.9	537.8	925.6	1119.5	1068.6	966.8	890.4	864.4
100°	131.6	191.1	250.6	265.5	588.2	1018.6	1233.7	1237.4	1244.9	1250.4	1219.4
102.5°	159.1	214.6	270.2	284.1	611.4	1047.7	1266.0	1330.8	1460.5	1557.8	1531.2
105°	205.7	252.8	299.8	311.5	628.5	1051.1	1262.4	1407.8	1698.5	1916.6	1902.3
107.5°	253.6	297.4	341.3	352.2	631.7	1004.3	1190.7	1393.5	1799.0	2103.2	2106.6
110°	285.8	325.4	365.0	374.9	626.9	962.8	1130.8	1357.5	1811.0	2151.1	2165.9

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	317.5	355.3	393.0	402.5	627.1	926.6	1076.4	1308.4	1772.5	2120.5	2143.4
115°	365.4	400.2	435.0	443.8	632.9	885.1	1011.2	1234.8	1681.8	2017.1	2048.8
117.5°	412.6	444.3	475.9	483.8	644.6	859.1	966.4	1168.1	1571.6	1874.2	1909.3
120°	440.1	469.9	499.7	507.1	654.2	850.3	948.4	1132.7	1501.3	1777.9	1812.0
122.5°	467.1	497.1	527.1	534.6	668.0	845.8	934.7	1100.7	1432.7	1681.6	1715.3
125°	508.3	535.7	563.0	569.9	686.5	842.0	919.8	1060.8	1342.7	1554.2	1585.3
127.5°	541.8	569.4	597.1	604.0	705.1	839.8	907.2	1028.3	1270.4	1452.0	1478.2
130°	559.7	589.5	619.2	626.7	718.6	841.1	902.4	1010.2	1225.7	1387.4	1411.6
132.5°	578.3	608.1	637.8	645.3	729.6	842.0	898.2	994.7	1187.6	1332.3	1354.0
135°	605.8	632.9	660.0	666.7	741.5	841.2	891.0	971.8	1133.4	1254.6	1273.3
137.5°	633.9	660.7	687.6	694.3	759.5	846.4	889.8	958.1	1094.7	1197.2	1212.4
140°	657.2	681.9	706.6	712.8	770.4	847.2	885.7	944.6	1062.7	1151.2	1165.5
142.5°	675.1	698.0	720.9	726.6	779.6	850.3	885.7	937.5	1041.1	1118.9	1131.2
145°	702.6	722.6	742.5	747.5	791.6	850.3	879.6	922.1	1006.9	1070.5	1079.8
147.5°	730.2	749.6	769.0	773.8	809.1	856.2	879.6	913.0	979.7	1029.8	1037.5
150°	748.1	765.7	783.2	787.6	818.3	859.2	879.6	907.8	964.2	1006.5	1012.7
152.5°	766.6	779.9	793.3	796.6	824.3	861.2	879.6	903.7	951.8	987.9	992.6
155°	794.2	804.0	813.8	816.3	837.4	865.6	879.6	898.8	937.1	965.8	969.0
157.5°	814.5	824.1	833.6	836.0	850.5	869.9	879.6	894.5	924.3	946.6	948.8
160°	828.2	835.7	843.2	845.0	856.5	871.9	879.6	892.4	917.9	937.1	938.3
162.5°	842.0	847.5	853.2	854.5	862.9	874.1	879.6	890.4	911.9	928.1	929.3
165°	856.9	862.0	867.1	868.3	872.1	877.1	879.6	887.3	902.8	914.4	915.6
167.5°	870.7	873.1	875.5	876.1	879.3	883.5	885.7	890.7	900.8	908.4	908.9
170°	879.6	882.0	884.4	885.0	885.3	885.5	885.7	890.7	900.8	908.4	908.4
172.5°	884.4	885.0	885.5	885.7	885.7	885.7	885.7	889.7	897.6	903.6	903.1
175°	891.0	891.0	891.0	891.0	889.3	886.9	885.7	888.2	893.3	897.0	897.0
177.5°	891.0	891.0	891.0	891.0	889.7	887.7	886.8	888.8	892.8	895.8	895.3
180°	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0

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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°	22.7	22.7	22.7	22.7	22.7	30.3	40.3	45.4	39.0	26.3	16.7
92.5°	91.0	72.9	91.0	109.1	113.7	161.1	224.3	255.9	224.7	162.2	115.4
95°	317.2	262.5	317.2	372.0	385.7	506.5	667.6	748.1	631.9	399.2	224.8
97.5°	760.2	656.0	760.2	864.4	890.4	966.8	1068.6	1119.5	925.6	537.8	246.9
100°	1095.3	971.2	1095.3	1219.4	1250.4	1244.9	1237.4	1233.7	1018.6	588.2	265.5
102.5°	1424.9	1318.6	1424.9	1531.2	1557.8	1460.5	1330.8	1266.0	1047.7	611.4	284.1
105°	1845.2	1788.0	1845.2	1902.3	1916.6	1698.5	1407.8	1262.4	1051.1	628.5	311.5
107.5°	2120.4	2134.3	2120.4	2106.6	2103.2	1799.0	1393.5	1190.7	1004.3	631.7	352.2
110°	2225.5	2285.0	2225.5	2165.9	2151.1	1811.0	1357.5	1130.8	962.8	626.9	374.9

TEST NUMBER: P935523

CATALOG NUMBER: SQ4-FA-125U-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°	2234.8	2326.2	2234.8	2143.4	2120.5	1772.5	1308.4	1076.4	926.6	627.1	402.5
115°	2175.6	2302.3	2175.6	2048.8	2017.1	1681.8	1234.8	1011.2	885.1	632.9	443.8
117.5°	2049.9	2190.5	2049.9	1909.3	1874.2	1571.6	1168.1	966.4	859.1	644.6	483.8
120°	1948.6	2085.2	1948.6	1812.0	1777.9	1501.3	1132.7	948.4	850.3	654.2	507.1
122.5°	1850.0	1984.8	1850.0	1715.3	1681.6	1432.7	1100.7	934.7	845.8	668.0	534.6
125°	1709.4	1833.5	1709.4	1585.3	1554.2	1342.7	1060.8	919.8	842.0	686.5	569.9
127.5°	1582.9	1687.6	1582.9	1478.2	1452.0	1270.4	1028.3	907.2	839.8	705.1	604.0
130°	1508.4	1605.1	1508.4	1411.6	1387.4	1225.7	1010.2	902.4	841.1	718.6	626.7
132.5°	1440.7	1527.3	1440.7	1354.0	1332.3	1187.6	994.7	898.2	842.0	729.6	645.3
135°	1348.0	1422.7	1348.0	1273.3	1254.6	1133.4	971.8	891.0	841.2	741.5	666.7
137.5°	1273.6	1334.7	1273.6	1212.4	1197.2	1094.7	958.1	889.8	846.4	759.5	694.3
140°	1222.6	1279.7	1222.6	1165.5	1151.2	1062.7	944.6	885.7	847.2	770.4	712.8
142.5°	1180.3	1229.5	1180.3	1131.2	1118.9	1041.1	937.5	885.7	850.3	779.6	726.6
145°	1117.0	1154.2	1117.0	1079.8	1070.5	1006.9	922.1	879.6	850.3	791.6	747.5
147.5°	1068.4	1099.2	1068.4	1037.5	1029.8	979.7	913.0	879.6	856.2	809.1	773.8
150°	1037.7	1062.7	1037.7	1012.7	1006.5	964.2	907.8	879.6	859.2	818.3	787.6
152.5°	1011.5	1030.3	1011.5	992.6	987.9	951.8	903.7	879.6	861.2	824.3	796.6
155°	981.4	993.9	981.4	969.0	965.8	937.1	898.8	879.6	865.6	837.4	816.3
157.5°	957.6	966.4	957.6	948.8	946.6	924.3	894.5	879.6	869.9	850.5	836.0
160°	943.4	948.4	943.4	938.3	937.1	917.9	892.4	879.6	871.9	856.5	845.0
162.5°	934.1	938.9	934.1	929.3	928.1	911.9	890.4	879.6	874.1	862.9	854.5
165°	920.7	925.7	920.7	915.6	914.4	902.8	887.3	879.6	877.1	872.1	868.3
167.5°	911.0	913.1	911.0	908.9	908.4	900.8	890.7	885.7	883.5	879.3	876.1
170°	908.4	908.4	908.4	908.4	908.4	900.8	890.7	885.7	885.5	885.3	885.0
172.5°	901.3	899.4	901.3	903.1	903.6	897.6	889.7	885.7	885.7	885.7	885.7
175°	897.0	897.0	897.0	897.0	897.0	893.3	888.2	885.7	886.9	889.3	891.0
177.5°	893.2	891.0	893.2	895.3	895.8	892.8	888.8	886.8	887.7	889.7	891.0
180°	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0

TEST NUMBER: P935523

CATALOG NUMBER: SQ4-FA-125U-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°	15.6	10.8	6.0	10.8	15.6	16.7	26.3	39.0	45.4	40.3	30.3
92.5°	105.3	64.6	23.9	64.6	105.3	115.4	162.2	224.7	255.9	224.3	161.1
95°	206.2	131.8	57.4	131.8	206.2	224.8	399.2	631.9	748.1	667.6	506.5
97.5°	230.5	164.9	99.3	164.9	230.5	246.9	537.8	925.6	1119.5	1068.6	966.8
100°	250.6	191.1	131.6	191.1	250.6	265.5	588.2	1018.6	1233.7	1237.4	1244.9
102.5°	270.2	214.6	159.1	214.6	270.2	284.1	611.4	1047.7	1266.0	1330.8	1460.5
105°	299.8	252.8	205.7	252.8	299.8	311.5	628.5	1051.1	1262.4	1407.8	1698.5
107.5°	341.3	297.4	253.6	297.4	341.3	352.2	631.7	1004.3	1190.7	1393.5	1799.0
110°	365.0	325.4	285.8	325.4	365.0	374.9	626.9	962.8	1130.8	1357.5	1811.0

TEST NUMBER: P935523

CATALOG NUMBER: SQ4-FA-125U-075D-927-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	393.0	355.3	317.5	355.3	393.0	402.5	627.1	926.6	1076.4	1308.4	1772.5
115°	435.0	400.2	365.4	400.2	435.0	443.8	632.9	885.1	1011.2	1234.8	1681.8
117.5°	475.9	444.3	412.6	444.3	475.9	483.8	644.6	859.1	966.4	1168.1	1571.6
120°	499.7	469.9	440.1	469.9	499.7	507.1	654.2	850.3	948.4	1132.7	1501.3
122.5°	527.1	497.1	467.1	497.1	527.1	534.6	668.0	845.8	934.7	1100.7	1432.7
125°	563.0	535.7	508.3	535.7	563.0	569.9	686.5	842.0	919.8	1060.8	1342.7
127.5°	597.1	569.4	541.8	569.4	597.1	604.0	705.1	839.8	907.2	1028.3	1270.4
130°	619.2	589.5	559.7	589.5	619.2	626.7	718.6	841.1	902.4	1010.2	1225.7
132.5°	637.8	608.1	578.3	608.1	637.8	645.3	729.6	842.0	898.2	994.7	1187.6
135°	660.0	632.9	605.8	632.9	660.0	666.7	741.5	841.2	891.0	971.8	1133.4
137.5°	687.6	660.7	633.9	660.7	687.6	694.3	759.5	846.4	889.8	958.1	1094.7
140°	706.6	681.9	657.2	681.9	706.6	712.8	770.4	847.2	885.7	944.6	1062.7
142.5°	720.9	698.0	675.1	698.0	720.9	726.6	779.6	850.3	885.7	937.5	1041.1
145°	742.5	722.6	702.6	722.6	742.5	747.5	791.6	850.3	879.6	922.1	1006.9
147.5°	769.0	749.6	730.2	749.6	769.0	773.8	809.1	856.2	879.6	913.0	979.7
150°	783.2	765.7	748.1	765.7	783.2	787.6	818.3	859.2	879.6	907.8	964.2
152.5°	793.3	779.9	766.6	779.9	793.3	796.6	824.3	861.2	879.6	903.7	951.8
155°	813.8	804.0	794.2	804.0	813.8	816.3	837.4	865.6	879.6	898.8	937.1
157.5°	833.6	824.1	814.5	824.1	833.6	836.0	850.5	869.9	879.6	894.5	924.3
160°	843.2	835.7	828.2	835.7	843.2	845.0	856.5	871.9	879.6	892.4	917.9
162.5°	853.2	847.5	842.0	847.5	853.2	854.5	862.9	874.1	879.6	890.4	911.9
165°	867.1	862.0	856.9	862.0	867.1	868.3	872.1	877.1	879.6	887.3	902.8
167.5°	875.5	873.1	870.7	873.1	875.5	876.1	879.3	883.5	885.7	890.7	900.8
170°	884.4	882.0	879.6	882.0	884.4	885.0	885.3	885.5	885.7	890.7	900.8
172.5°	885.5	885.0	884.4	885.0	885.5	885.7	885.7	885.7	885.7	889.7	897.6
175°	891.0	891.0	891.0	891.0	891.0	891.0	889.3	886.9	885.7	888.2	893.3
177.5°	891.0	891.0	891.0	891.0	891.0	891.0	889.7	887.7	886.8	888.8	892.8
180°	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0

TEST NUMBER: P935523

CATALOG NUMBER: SQ4-FA-125U-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°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	30.3	40.3	45.4	39.0
92.5°	113.7	109.1	91.0	72.9	91.0	109.1	113.7	161.1	224.3	255.9	224.7
95°	385.7	372.0	317.2	262.5	317.2	372.0	385.7	506.5	667.6	748.1	631.9
97.5°	890.4	864.4	760.2	656.0	760.2	864.4	890.4	966.8	1068.6	1119.5	925.6
100°	1250.4	1219.4	1095.3	971.2	1095.3	1219.4	1250.4	1244.9	1237.4	1233.7	1018.6
102.5°	1557.8	1531.2	1424.9	1318.6	1424.9	1531.2	1557.8	1460.5	1330.8	1266.0	1047.7
105°	1916.6	1902.3	1845.2	1788.0	1845.2	1902.3	1916.6	1698.5	1407.8	1262.4	1051.1
107.5°	2103.2	2106.6	2120.4	2134.3	2120.4	2106.6	2103.2	1799.0	1393.5	1190.7	1004.3
110°	2151.1	2165.9	2225.5	2285.0	2225.5	2165.9	2151.1	1811.0	1357.5	1130.8	962.8

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2120.5	2143.4	2234.8	2326.2	2234.8	2143.4	2120.5	1772.5	1308.4	1076.4	926.6
115°	2017.1	2048.8	2175.6	2302.3	2175.6	2048.8	2017.1	1681.8	1234.8	1011.2	885.1
117.5°	1874.2	1909.3	2049.9	2190.5	2049.9	1909.3	1874.2	1571.6	1168.1	966.4	859.1
120°	1777.9	1812.0	1948.6	2085.2	1948.6	1812.0	1777.9	1501.3	1132.7	948.4	850.3
122.5°	1681.6	1715.3	1850.0	1984.8	1850.0	1715.3	1681.6	1432.7	1100.7	934.7	845.8
125°	1554.2	1585.3	1709.4	1833.5	1709.4	1585.3	1554.2	1342.7	1060.8	919.8	842.0
127.5°	1452.0	1478.2	1582.9	1687.6	1582.9	1478.2	1452.0	1270.4	1028.3	907.2	839.8
130°	1387.4	1411.6	1508.4	1605.1	1508.4	1411.6	1387.4	1225.7	1010.2	902.4	841.1
132.5°	1332.3	1354.0	1440.7	1527.3	1440.7	1354.0	1332.3	1187.6	994.7	898.2	842.0
135°	1254.6	1273.3	1348.0	1422.7	1348.0	1273.3	1254.6	1133.4	971.8	891.0	841.2
137.5°	1197.2	1212.4	1273.6	1334.7	1273.6	1212.4	1197.2	1094.7	958.1	889.8	846.4
140°	1151.2	1165.5	1222.6	1279.7	1222.6	1165.5	1151.2	1062.7	944.6	885.7	847.2
142.5°	1118.9	1131.2	1180.3	1229.5	1180.3	1131.2	1118.9	1041.1	937.5	885.7	850.3
145°	1070.5	1079.8	1117.0	1154.2	1117.0	1079.8	1070.5	1006.9	922.1	879.6	850.3
147.5°	1029.8	1037.5	1068.4	1099.2	1068.4	1037.5	1029.8	979.7	913.0	879.6	856.2
150°	1006.5	1012.7	1037.7	1062.7	1037.7	1012.7	1006.5	964.2	907.8	879.6	859.2
152.5°	987.9	992.6	1011.5	1030.3	1011.5	992.6	987.9	951.8	903.7	879.6	861.2
155°	965.8	969.0	981.4	993.9	981.4	969.0	965.8	937.1	898.8	879.6	865.6
157.5°	946.6	948.8	957.6	966.4	957.6	948.8	946.6	924.3	894.5	879.6	869.9
160°	937.1	938.3	943.4	948.4	943.4	938.3	937.1	917.9	892.4	879.6	871.9
162.5°	928.1	929.3	934.1	938.9	934.1	929.3	928.1	911.9	890.4	879.6	874.1
165°	914.4	915.6	920.7	925.7	920.7	915.6	914.4	902.8	887.3	879.6	877.1
167.5°	908.4	908.9	911.0	913.1	911.0	908.9	908.4	900.8	890.7	885.7	883.5
170°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	900.8	890.7	885.7	885.5
172.5°	903.6	903.1	901.3	899.4	901.3	903.1	903.6	897.6	889.7	885.7	885.7
175°	897.0	897.0	897.0	897.0	897.0	897.0	897.0	893.3	888.2	885.7	886.9
177.5°	895.8	895.3	893.2	891.0	893.2	895.3	895.8	892.8	888.8	886.8	887.7
180°	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0	891.0

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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°	26.3	16.7	15.6	10.8	6.0
92.5°	162.2	115.4	105.3	64.6	23.9
95°	399.2	224.8	206.2	131.8	57.4
97.5°	537.8	246.9	230.5	164.9	99.3
100°	588.2	265.5	250.6	191.1	131.6
102.5°	611.4	284.1	270.2	214.6	159.1
105°	628.5	311.5	299.8	252.8	205.7
107.5°	631.7	352.2	341.3	297.4	253.6
110°	626.9	374.9	365.0	325.4	285.8

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	627.1	402.5	393.0	355.3	317.5
115°	632.9	443.8	435.0	400.2	365.4
117.5°	644.6	483.8	475.9	444.3	412.6
120°	654.2	507.1	499.7	469.9	440.1
122.5°	668.0	534.6	527.1	497.1	467.1
125°	686.5	569.9	563.0	535.7	508.3
127.5°	705.1	604.0	597.1	569.4	541.8
130°	718.6	626.7	619.2	589.5	559.7
132.5°	729.6	645.3	637.8	608.1	578.3
135°	741.5	666.7	660.0	632.9	605.8
137.5°	759.5	694.3	687.6	660.7	633.9
140°	770.4	712.8	706.6	681.9	657.2
142.5°	779.6	726.6	720.9	698.0	675.1
145°	791.6	747.5	742.5	722.6	702.6
147.5°	809.1	773.8	769.0	749.6	730.2
150°	818.3	787.6	783.2	765.7	748.1
152.5°	824.3	796.6	793.3	779.9	766.6
155°	837.4	816.3	813.8	804.0	794.2
157.5°	850.5	836.0	833.6	824.1	814.5
160°	856.5	845.0	843.2	835.7	828.2
162.5°	862.9	854.5	853.2	847.5	842.0
165°	872.1	868.3	867.1	862.0	856.9
167.5°	879.3	876.1	875.5	873.1	870.7
170°	885.3	885.0	884.4	882.0	879.6
172.5°	885.7	885.7	885.5	885.0	884.4
175°	889.3	891.0	891.0	891.0	891.0
177.5°	889.7	891.0	891.0	891.0	891.0
180°	891.0	891.0	891.0	891.0	891.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.31	11.05	11.38	12.12	13.59	13.13	13.87	14.20	14.95	16.41
	3H	10.77	11.44	11.86	12.52	14.01	14.46	15.13	15.55	16.21	17.70
	4H	10.96	11.59	12.05	12.67	14.16	14.90	15.53	15.99	16.62	18.11
	6H	11.07	11.65	12.17	12.74	14.24	15.18	15.76	16.28	16.85	18.35
	8H	11.07	11.62	12.18	12.73	14.22	15.25	15.80	16.36	16.91	18.40
	12H	11.04	11.56	12.15	12.66	14.18	15.28	15.81	16.39	16.91	18.42
4H	2H	11.32	11.95	12.42	13.04	14.53	13.52	14.16	14.62	15.24	16.73
	3H	12.34	12.86	13.44	13.98	15.48	15.02	15.54	16.12	16.65	18.16
	4H	12.61	13.09	13.72	14.19	15.72	15.54	16.02	16.65	17.12	18.65
	6H	12.73	13.14	13.85	14.27	15.78	15.90	16.31	17.01	17.43	18.95
	8H	12.73	13.12	13.85	14.23	15.76	16.00	16.39	17.12	17.50	19.03
	12H	12.69	13.04	13.83	14.17	15.71	16.05	16.40	17.19	17.53	19.06
8H	4H	13.05	13.44	14.17	14.55	16.09	15.65	16.04	16.77	17.16	18.69
	6H	13.31	13.63	14.45	14.79	16.31	16.08	16.40	17.22	17.56	19.09
	8H	13.35	13.63	14.50	14.77	16.32	16.23	16.51	17.38	17.65	19.20
	12H	13.33	13.57	14.48	14.71	16.29	16.33	16.57	17.48	17.71	19.29
12H	4H	13.05	13.40	14.19	14.53	16.07	15.61	15.96	16.75	17.09	18.63
	6H	13.37	13.65	14.51	14.79	16.33	16.08	16.36	17.23	17.50	19.05
	8H	13.43	13.67	14.58	14.81	16.39	16.24	16.48	17.39	17.62	19.20

END OF REPORT