

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: P935851

Luminaire Tested: SQ4-FA-150U-050D-930-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

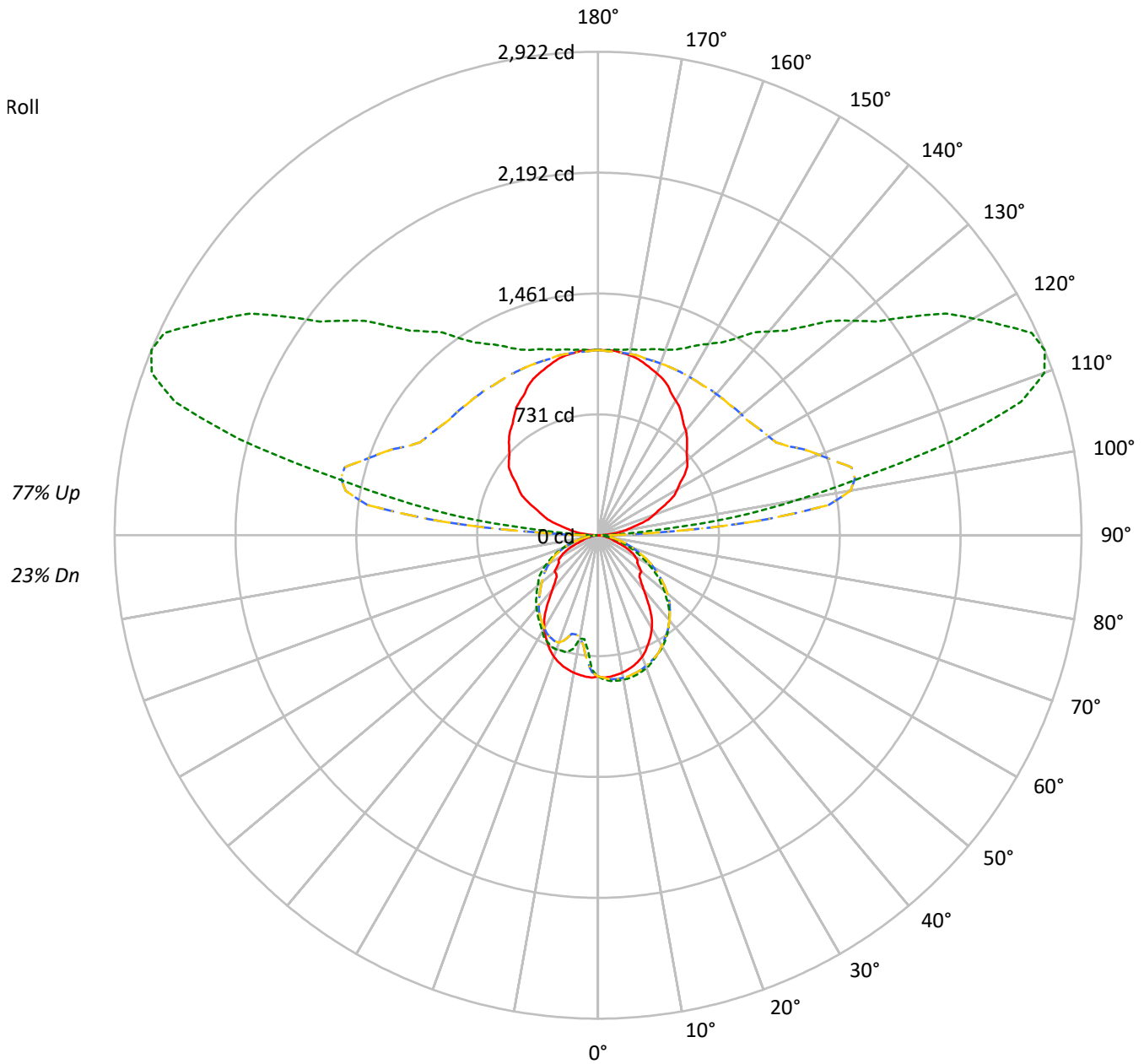
Test Method: LM-79-2019  
Report Number: P935851  
REPORT IS A COMBINATION OF REPORTS P933771 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-050D-930-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9474.6 lumens  
Efficiency: N/A  
Efficacy: 113.6 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

TEST NUMBER: P935851  
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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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	27	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	23	23	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	19	19	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	16	16	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	14	14	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	12	12	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	11	11	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	10	10	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	9	9	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	8	8	8	6

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

	0°	90°	180°	270°
0°	5282	5282	5282	5282
5°	5319	5332	5319	4192
10°	5282	5252	5282	3755
15°	5223	5139	5223	4291
20°	5112	5003	5112	4300
25°	4885	4807	4885	4208
30°	4595	4644	4595	4009
35°	4094	4437	4094	3789
40°	3410	4194	3410	3623
45°	3044	3910	3044	3432
50°	3232	3571	3232	3240
55°	3038	3205	3038	3129
60°	3128	2722	3128	2865
65°	2831	2250	2831	2515
70°	1956	1793	1956	2108
75°	1710	1325	1710	1587
80°	1367	876	1367	955
85°	769	464	769	395

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 4670 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.1	0.8
10°-20°	218.8	2.3
20°-30°	338.3	3.6
30°-40°	403.8	4.3
40°-50°	406.2	4.3
50°-60°	353.4	3.7
60°-70°	250.6	2.6
70°-80°	132.6	1.4
80°-90°	37.3	0.4
90°-100°	545.6	5.8
100°-110°	1434.5	15.1
110°-120°	1487.4	15.7
120°-130°	1193.1	12.6
130°-140°	936.2	9.9
140°-150°	718.5	7.6
150°-160°	517.5	5.5
160°-170°	316.6	3.3
170°-180°	107.0	1.1
0°-30°	634.2	6.7
0°-40°	1038.0	11.0
0°-60°	1797.7	19.0
0°-90°	2218.1	23.4
90°-120°	3467.6	36.6
90°-150°	6315.4	66.7
90°-180°	7256.0	76.6
0°-180°	9474.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	854	854	854	854	854	
5°	858	884	858	696	858	81
15°	819	876	819	732	819	230
25°	721	818	721	716	721	331
35°	548	729	548	623	548	339
45°	354	601	354	528	354	283
55°	288	444	288	433	288	265
65°	200	267	200	299	200	191
75°	76	127	76	152	76	80
85°	13	32	13	28	13	17
90°	8	29	8	29	8	7
95°	72	330	72	330	72	80
105°	258	2246	258	2246	258	274
115°	459	2892	459	2892	459	453
125°	638	2303	638	2303	638	567
135°	761	1787	761	1787	761	589
145°	883	1450	883	1450	883	553
155°	998	1249	998	1249	998	458
165°	1077	1163	1077	1163	1077	304
175°	1119	1127	1119	1127	1119	106
180°	1119	1119	1119	1119	1119	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8
2.5°	861.1	861.1	866.0	867.6	867.6	865.2	862.7	865.2	872.5	874.9	874.1
5°	857.8	864.3	873.3	874.9	876.5	875.7	874.1	875.7	883.7	885.4	886.2
7.5°	851.4	863.5	874.9	877.3	879.7	877.3	876.5	878.1	886.2	887.8	887.8
10°	843.3	860.3	873.3	874.9	877.3	874.9	874.9	878.1	886.2	887.8	888.6
12.5°	832.1	855.4	867.6	869.2	872.5	871.7	870.8	874.1	882.1	883.7	883.7
15°	819.1	846.6	857.8	859.5	865.2	863.5	863.5	866.8	875.7	878.1	877.3
17.5°	801.3	835.3	848.2	850.6	854.6	853.8	854.6	857.8	866.0	867.6	868.4
20°	781.2	819.9	835.3	837.7	841.7	841.7	841.7	845.8	853.8	857.0	857.0
22.5°	753.7	803.7	819.9	821.5	826.4	826.4	828.0	833.7	840.9	841.7	841.7
25°	721.3	786.0	799.7	804.6	809.4	811.8	814.2	817.5	819.9	819.1	819.9
27.5°	687.4	763.3	781.2	784.4	790.9	793.3	796.5	797.3	798.1	800.5	798.9
30°	649.5	731.9	758.5	761.7	772.2	773.9	770.6	772.2	776.3	777.9	779.6
32.5°	606.7	685.0	735.1	742.4	752.1	747.2	746.4	748.8	755.3	755.3	756.9
35°	548.5	648.7	713.3	719.7	727.0	721.3	724.6	725.4	729.4	731.9	731.1
37.5°	484.7	617.2	690.7	695.5	701.2	693.9	698.8	701.2	704.4	702.8	702.8
40°	428.2	567.9	664.0	667.2	672.1	666.4	671.3	672.9	674.5	672.9	672.1
42.5°	386.2	513.8	635.7	639.8	636.5	640.6	642.2	645.5	643.0	639.8	639.8
45°	353.8	499.2	605.1	609.9	605.1	611.5	613.9	613.9	606.7	605.1	604.3
47.5°	343.3	470.2	574.4	574.4	571.9	580.0	584.0	578.4	571.1	568.7	568.7
50°	342.5	437.8	532.3	529.1	540.4	550.1	546.0	540.4	534.8	525.9	525.9
52.5°	311.0	398.2	478.2	490.3	508.1	513.8	507.3	501.6	491.9	487.9	484.7
55°	288.4	357.0	429.0	453.2	471.8	479.0	466.9	461.2	446.7	444.3	442.7
57.5°	283.5	297.3	383.7	414.4	437.0	436.2	429.0	418.4	406.3	403.9	403.1
60°	260.1	214.9	335.3	371.6	395.0	392.6	386.2	376.4	365.1	363.5	361.9
62.5°	235.8	155.9	280.3	321.5	354.6	353.8	348.2	333.6	325.5	321.5	318.3
65°	200.3	130.9	199.5	267.4	315.0	316.6	304.6	294.1	285.1	280.3	279.5
67.5°	152.7	106.6	134.9	223.0	277.1	275.4	260.1	255.3	244.0	241.5	236.7
70°	113.1	71.1	93.7	180.9	239.9	235.8	223.8	218.1	207.6	202.0	198.7
72.5°	93.7	57.3	68.7	140.5	202.0	197.1	186.6	180.1	171.3	166.4	163.2
75°	76.0	60.5	52.5	104.2	164.0	160.8	151.0	144.6	137.3	130.9	131.7
77.5°	55.7	56.5	42.0	76.8	130.1	125.2	119.6	111.5	108.2	101.8	101.8
80°	42.0	44.4	31.5	52.5	93.7	93.7	88.9	83.2	77.6	74.4	74.4
82.5°	28.3	28.3	23.4	33.1	63.8	61.4	58.1	56.5	53.3	51.7	51.7
85°	12.9	16.1	14.5	20.2	34.8	36.4	36.4	34.8	34.0	32.3	33.1
87.5°	4.0	7.3	8.9	11.3	17.7	18.5	19.4	19.4	19.4	20.2	20.2
90°	7.5	13.6	19.5	21.0	33.1	49.1	57.1	50.7	38.1	28.6	28.6
92.5°	30.0	81.1	132.3	145.0	203.9	282.3	321.5	281.8	202.4	142.8	137.1
95°	72.1	165.6	259.1	282.5	501.6	793.8	939.8	838.7	636.3	484.5	467.3
97.5°	124.7	207.2	289.6	310.3	675.6	1162.8	1406.4	1342.5	1214.5	1118.7	1085.9
100°	165.3	240.1	314.9	333.6	739.0	1279.6	1549.9	1554.5	1563.9	1570.9	1532.0
102.5°	199.9	269.6	339.4	356.9	768.1	1316.3	1590.4	1671.8	1834.8	1957.0	1923.6
105°	258.4	317.5	376.6	391.4	789.6	1320.5	1585.9	1768.5	2133.8	2407.8	2389.8
107.5°	318.6	373.6	428.7	442.5	793.5	1261.7	1495.7	1750.5	2260.0	2642.2	2646.5
110°	359.1	408.9	458.6	471.0	787.6	1209.6	1420.6	1705.4	2275.1	2702.3	2721.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	398.9	446.3	493.7	505.6	787.8	1164.1	1352.3	1643.7	2226.7	2664.0	2692.7
115°	459.0	502.8	546.5	557.4	795.1	1111.9	1270.3	1551.2	2112.8	2533.9	2573.8
117.5°	518.3	558.1	597.8	607.8	809.9	1079.3	1214.1	1467.5	1974.3	2354.4	2398.6
120°	552.9	590.4	627.8	637.1	821.9	1068.3	1191.5	1423.1	1886.2	2233.5	2276.3
122.5°	586.8	624.5	662.2	671.6	839.1	1062.5	1174.2	1382.8	1799.8	2112.5	2154.9
125°	638.5	672.9	707.4	716.0	862.4	1057.8	1155.4	1332.6	1686.8	1952.5	1991.4
127.5°	680.6	715.3	750.1	758.8	885.7	1055.0	1139.6	1291.7	1595.9	1824.0	1856.9
130°	703.2	740.6	778.0	787.3	902.8	1056.7	1133.7	1269.1	1539.8	1742.9	1773.3
132.5°	726.5	763.9	801.3	810.6	916.5	1057.8	1128.4	1249.5	1492.0	1673.8	1701.0
135°	761.0	795.1	829.2	837.7	931.6	1056.7	1119.4	1220.9	1423.9	1576.1	1599.6
137.5°	796.3	830.1	863.8	872.2	954.1	1063.3	1117.9	1203.7	1375.3	1504.0	1523.2
140°	825.6	856.7	887.7	895.5	967.9	1064.4	1112.6	1186.8	1335.0	1446.2	1464.1
142.5°	848.1	876.9	905.6	912.8	979.4	1068.2	1112.6	1177.8	1307.9	1405.6	1421.0
145°	882.7	907.8	932.8	939.1	994.4	1068.2	1105.1	1158.3	1264.9	1344.8	1356.4
147.5°	917.3	941.7	966.0	972.1	1016.4	1075.5	1105.1	1147.0	1230.8	1293.6	1303.3
150°	939.8	961.8	983.8	989.4	1027.9	1079.4	1105.1	1140.5	1211.2	1264.3	1272.2
152.5°	963.1	979.8	996.5	1000.7	1035.5	1081.9	1105.1	1135.3	1195.7	1241.0	1247.0
155°	997.6	1010.0	1022.4	1025.4	1052.0	1087.4	1105.1	1129.1	1177.2	1213.3	1217.2
157.5°	1023.2	1035.2	1047.3	1050.2	1068.6	1092.9	1105.1	1123.8	1161.2	1189.2	1192.0
160°	1040.5	1049.8	1059.2	1061.5	1076.0	1095.4	1105.1	1121.1	1153.2	1177.2	1178.8
162.5°	1057.8	1064.8	1071.8	1073.5	1084.0	1098.1	1105.1	1118.6	1145.6	1166.0	1167.5
165°	1076.6	1082.9	1089.2	1090.8	1095.5	1101.9	1105.1	1114.8	1134.2	1148.7	1150.3
167.5°	1093.8	1096.8	1099.9	1100.6	1104.6	1110.0	1112.6	1119.0	1131.7	1141.1	1141.8
170°	1105.1	1108.1	1111.1	1111.8	1112.1	1112.5	1112.6	1119.0	1131.7	1141.1	1141.1
172.5°	1111.1	1111.8	1112.5	1112.6	1112.6	1112.6	1112.6	1117.6	1127.7	1135.1	1134.6
175°	1119.4	1119.4	1119.4	1119.4	1117.1	1114.2	1112.6	1115.8	1122.1	1126.8	1126.8
177.5°	1119.4	1119.4	1119.4	1119.4	1117.6	1115.3	1114.1	1116.6	1121.6	1125.4	1124.8
180°	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8
2.5°	875.7	873.3	875.7	874.1	874.9	872.5	865.2	862.7	865.2	867.6	867.6
5°	886.2	884.5	886.2	886.2	885.4	883.7	875.7	874.1	875.7	876.5	874.9
7.5°	889.4	887.0	889.4	887.8	887.8	886.2	878.1	876.5	877.3	879.7	877.3
10°	889.4	887.0	889.4	888.6	887.8	886.2	878.1	874.9	874.9	877.3	874.9
12.5°	885.4	883.7	885.4	883.7	883.7	882.1	874.1	870.8	871.7	872.5	869.2
15°	878.9	876.5	878.9	877.3	878.1	875.7	866.8	863.5	863.5	865.2	859.5
17.5°	869.2	866.0	869.2	868.4	867.6	866.0	857.8	854.6	853.8	854.6	850.6
20°	857.8	855.4	857.8	857.0	857.0	853.8	845.8	841.7	841.7	841.7	837.7
22.5°	840.1	837.7	840.1	841.7	841.7	840.9	833.7	828.0	826.4	826.4	821.5
25°	819.9	817.5	819.9	819.9	819.1	819.9	817.5	814.2	811.8	809.4	804.6
27.5°	800.5	798.9	800.5	798.9	800.5	798.1	797.3	796.5	793.3	790.9	784.4
30°	781.2	779.6	781.2	779.6	777.9	776.3	772.2	770.6	773.9	772.2	761.7
32.5°	756.9	755.3	756.9	756.9	755.3	755.3	748.8	746.4	747.2	752.1	742.4
35°	731.9	729.4	731.9	731.1	731.9	729.4	725.4	724.6	721.3	727.0	719.7
37.5°	702.8	700.4	702.8	702.8	702.8	704.4	701.2	698.8	693.9	701.2	695.5
40°	672.9	669.7	672.9	672.1	672.9	674.5	672.9	671.3	666.4	672.1	667.2
42.5°	638.9	638.1	638.9	639.8	639.8	643.0	645.5	642.2	640.6	636.5	639.8
45°	602.7	601.0	602.7	604.3	605.1	606.7	613.9	613.9	611.5	605.1	609.9
47.5°	563.9	559.8	563.9	568.7	568.7	571.1	578.4	584.0	580.0	571.9	574.4
50°	522.7	523.5	522.7	525.9	525.9	534.8	540.4	546.0	550.1	540.4	529.1
52.5°	482.3	481.5	482.3	484.7	487.9	491.9	501.6	507.3	513.8	508.1	490.3
55°	441.9	443.5	441.9	442.7	444.3	446.7	461.2	466.9	479.0	471.8	453.2
57.5°	401.5	399.1	401.5	403.1	403.9	406.3	418.4	429.0	436.2	437.0	414.4
60°	354.6	351.4	354.6	361.9	363.5	365.1	376.4	386.2	392.6	395.0	371.6
62.5°	313.4	307.8	313.4	318.3	321.5	325.5	333.6	348.2	353.8	354.6	321.5
65°	269.8	267.4	269.8	279.5	280.3	285.1	294.1	304.6	316.6	315.0	267.4
67.5°	230.2	230.2	230.2	236.7	241.5	244.0	255.3	260.1	275.4	277.1	223.0
70°	193.8	193.0	193.8	198.7	202.0	207.6	218.1	223.8	235.8	239.9	180.9
72.5°	159.2	158.4	159.2	163.2	166.4	171.3	180.1	186.6	197.1	202.0	140.5
75°	128.5	126.8	128.5	131.7	130.9	137.3	144.6	151.0	160.8	164.0	104.2
77.5°	98.5	98.5	98.5	101.8	101.8	108.2	111.5	119.6	125.2	130.1	76.8
80°	73.5	72.7	73.5	74.4	74.4	77.6	83.2	88.9	93.7	93.7	52.5
82.5°	51.7	50.1	51.7	51.7	51.7	53.3	56.5	58.1	61.4	63.8	33.1
85°	32.3	32.3	32.3	33.1	32.3	34.0	34.8	36.4	36.4	34.8	20.2
87.5°	21.0	20.2	21.0	20.2	20.2	19.4	19.4	19.4	18.5	17.7	11.3
90°	28.6	28.6	28.6	28.6	28.6	38.1	50.7	57.1	49.1	33.1	21.0
92.5°	114.3	91.6	114.3	137.1	142.8	202.4	281.8	321.5	282.3	203.9	145.0
95°	398.5	329.8	398.5	467.3	484.5	636.3	838.7	939.8	793.8	501.6	282.5
97.5°	955.0	824.1	955.0	1085.9	1118.7	1214.5	1342.5	1406.4	1162.8	675.6	310.3
100°	1376.0	1220.1	1376.0	1532.0	1570.9	1563.9	1554.5	1549.9	1279.6	739.0	333.6
102.5°	1790.0	1656.5	1790.0	1923.6	1957.0	1834.8	1671.8	1590.4	1316.3	768.1	356.9
105°	2318.0	2246.2	2318.0	2389.8	2407.8	2133.8	1768.5	1585.9	1320.5	789.6	391.4
107.5°	2663.9	2681.2	2663.9	2646.5	2642.2	2260.0	1750.5	1495.7	1261.7	793.5	442.5
110°	2795.7	2870.6	2795.7	2721.0	2702.3	2275.1	1705.4	1420.6	1209.6	787.6	471.0





TEST NUMBER: P935851

CATALOG NUMBER: SQ4-FA-150U-050D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2807.5	2922.4	2807.5	2692.7	2664.0	2226.7	1643.7	1352.3	1164.1	787.8	505.6
115°	2733.0	2892.3	2733.0	2573.8	2533.9	2112.8	1551.2	1270.3	1111.9	795.1	557.4
117.5°	2575.2	2751.9	2575.2	2398.6	2354.4	1974.3	1467.5	1214.1	1079.3	809.9	607.8
120°	2448.0	2619.6	2448.0	2276.3	2233.5	1886.2	1423.1	1191.5	1068.3	821.9	637.1
122.5°	2324.1	2493.4	2324.1	2154.9	2112.5	1799.8	1382.8	1174.2	1062.5	839.1	671.6
125°	2147.4	2303.3	2147.4	1991.4	1952.5	1686.8	1332.6	1155.4	1057.8	862.4	716.0
127.5°	1988.5	2120.1	1988.5	1856.9	1824.0	1595.9	1291.7	1139.6	1055.0	885.7	758.8
130°	1894.8	2016.3	1894.8	1773.3	1742.9	1539.8	1269.1	1133.7	1056.7	902.8	787.3
132.5°	1809.8	1918.7	1809.8	1701.0	1673.8	1492.0	1249.5	1128.4	1057.8	916.5	810.6
135°	1693.4	1787.2	1693.4	1599.6	1576.1	1423.9	1220.9	1119.4	1056.7	931.6	837.7
137.5°	1600.1	1676.8	1600.1	1523.2	1504.0	1375.3	1203.7	1117.9	1063.3	954.1	872.2
140°	1535.9	1607.7	1535.9	1464.1	1446.2	1335.0	1186.8	1112.6	1064.4	967.9	895.5
142.5°	1482.8	1544.6	1482.8	1421.0	1405.6	1307.9	1177.8	1112.6	1068.2	979.4	912.8
145°	1403.2	1449.9	1403.2	1356.4	1344.8	1264.9	1158.3	1105.1	1068.2	994.4	939.1
147.5°	1342.1	1380.8	1342.1	1303.3	1293.6	1230.8	1147.0	1105.1	1075.5	1016.4	972.1
150°	1303.6	1335.0	1303.6	1272.2	1264.3	1211.2	1140.5	1105.1	1079.4	1027.9	989.4
152.5°	1270.7	1294.4	1270.7	1247.0	1241.0	1195.7	1135.3	1105.1	1081.9	1035.5	1000.7
155°	1232.8	1248.6	1232.8	1217.2	1213.3	1177.2	1129.1	1105.1	1087.4	1052.0	1025.4
157.5°	1203.1	1214.1	1203.1	1192.0	1189.2	1161.2	1123.8	1105.1	1092.9	1068.6	1050.2
160°	1185.1	1191.5	1185.1	1178.8	1177.2	1153.2	1121.1	1105.1	1095.4	1076.0	1061.5
162.5°	1173.4	1179.4	1173.4	1167.5	1166.0	1145.6	1118.6	1105.1	1098.1	1084.0	1073.5
165°	1156.6	1162.9	1156.6	1150.3	1148.7	1134.2	1114.8	1105.1	1101.9	1095.5	1090.8
167.5°	1144.5	1147.2	1144.5	1141.8	1141.1	1131.7	1119.0	1112.6	1110.0	1104.6	1100.6
170°	1141.1	1141.1	1141.1	1141.1	1141.1	1131.7	1119.0	1112.6	1112.5	1112.1	1111.8
172.5°	1132.2	1129.9	1132.2	1134.6	1135.1	1127.7	1117.6	1112.6	1112.6	1112.6	1112.6
175°	1126.8	1126.8	1126.8	1126.8	1126.8	1122.1	1115.8	1112.6	1114.2	1117.1	1119.4
177.5°	1122.0	1119.4	1122.0	1124.8	1125.4	1121.6	1116.6	1114.1	1115.3	1117.6	1119.4
180°	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4



TEST NUMBER: P935851

CATALOG NUMBER: SQ4-FA-150U-050D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8
2.5°	866.0	861.1	861.1	853.0	849.8	847.4	843.3	831.3	828.0	824.8	829.6
5°	873.3	864.3	857.8	843.3	831.3	826.4	811.0	782.0	762.5	748.0	740.0
7.5°	874.9	863.5	851.4	828.8	799.7	786.8	740.0	686.6	672.1	659.2	651.1
10°	873.3	860.3	843.3	809.4	740.8	718.1	671.3	636.5	627.6	625.2	627.6
12.5°	867.6	855.4	832.1	775.5	679.3	664.0	636.5	616.4	614.7	618.8	640.6
15°	857.8	846.6	819.1	730.2	645.5	634.1	614.7	607.5	616.4	644.6	710.1
17.5°	848.2	835.3	801.3	685.8	619.6	611.5	597.8	612.3	662.4	700.4	722.1
20°	835.3	819.9	781.2	653.5	601.0	593.7	587.2	652.7	690.7	704.4	716.5
22.5°	819.9	803.7	753.7	630.9	581.6	576.0	580.0	675.3	690.7	700.4	710.9
25°	799.7	786.0	721.3	613.1	566.3	559.8	575.2	672.9	681.7	684.2	705.2
27.5°	781.2	763.3	687.4	597.0	547.7	545.2	579.2	662.4	668.9	671.3	693.9
30°	758.5	731.9	649.5	580.0	528.3	527.5	580.0	649.5	647.9	654.3	676.9
32.5°	735.1	685.0	606.7	559.0	509.7	508.9	574.4	630.1	628.5	637.3	654.3
35°	713.3	648.7	548.5	534.8	486.3	487.1	560.6	607.5	608.3	616.4	626.8
37.5°	690.7	617.2	484.7	508.1	463.7	463.7	542.0	586.4	584.8	587.2	601.8
40°	664.0	567.9	428.2	473.4	442.7	440.3	519.4	563.9	558.2	557.4	577.6
42.5°	635.7	513.8	386.2	427.4	418.4	415.2	491.9	536.4	525.9	528.3	554.2
45°	605.1	499.2	353.8	361.1	393.4	391.0	462.0	504.8	497.6	504.0	530.7
47.5°	574.4	470.2	343.3	299.7	366.7	365.9	429.0	474.2	470.2	476.6	504.8
50°	532.3	437.8	342.5	256.9	336.9	340.1	389.4	444.3	444.3	449.9	479.9
52.5°	478.2	398.2	311.0	232.6	302.1	311.8	354.6	418.4	420.0	425.8	452.3
55°	429.0	357.0	288.4	214.1	260.9	281.9	320.7	391.8	395.0	400.7	424.9
57.5°	383.7	297.3	283.5	192.2	223.0	243.1	290.8	365.9	367.5	372.4	395.8
60°	335.3	214.9	260.1	168.8	189.8	205.2	263.3	335.3	340.9	344.1	364.3
62.5°	280.3	155.9	235.8	152.7	173.7	176.9	240.7	306.2	313.4	315.8	327.9
65°	199.5	130.9	200.3	138.9	156.7	157.5	216.5	276.2	282.7	286.8	295.7
67.5°	134.9	106.6	152.7	126.0	143.8	144.6	193.0	241.5	250.5	253.7	259.3
70°	93.7	71.1	113.1	112.3	129.3	130.9	168.0	210.1	218.1	220.5	223.8
72.5°	68.7	57.3	93.7	100.9	113.9	115.6	142.2	174.5	182.6	185.0	186.6
75°	52.5	60.5	76.0	88.1	96.9	97.7	116.4	142.2	147.8	149.4	150.2
77.5°	42.0	56.5	55.7	71.1	79.2	77.6	91.3	109.9	114.7	114.7	114.7
80°	31.5	44.4	42.0	50.9	58.1	56.5	65.4	78.4	80.0	81.6	80.8
82.5°	23.4	28.3	28.3	32.3	38.8	37.2	43.6	50.9	50.9	50.9	52.5
85°	14.5	16.1	12.9	16.9	21.8	21.0	24.3	27.5	28.3	28.3	26.7
87.5°	8.9	7.3	4.0	6.4	9.7	9.7	11.3	12.1	11.3	11.3	11.3
90°	19.5	13.6	7.5	13.6	19.5	21.0	33.1	49.1	57.1	50.7	38.1
92.5°	132.3	81.1	30.0	81.1	132.3	145.0	203.9	282.3	321.5	281.8	202.4
95°	259.1	165.6	72.1	165.6	259.1	282.5	501.6	793.8	939.8	838.7	636.3
97.5°	289.6	207.2	124.7	207.2	289.6	310.3	675.6	1162.8	1406.4	1342.5	1214.5
100°	314.9	240.1	165.3	240.1	314.9	333.6	739.0	1279.6	1549.9	1554.5	1563.9
102.5°	339.4	269.6	199.9	269.6	339.4	356.9	768.1	1316.3	1590.4	1671.8	1834.8
105°	376.6	317.5	258.4	317.5	376.6	391.4	789.6	1320.5	1585.9	1768.5	2133.8
107.5°	428.7	373.6	318.6	373.6	428.7	442.5	793.5	1261.7	1495.7	1750.5	2260.0
110°	458.6	408.9	359.1	408.9	458.6	471.0	787.6	1209.6	1420.6	1705.4	2275.1



TEST NUMBER: P935851

CATALOG NUMBER: SQ4-FA-150U-050D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	493.7	446.3	398.9	446.3	493.7	505.6	787.8	1164.1	1352.3	1643.7	2226.7
115°	546.5	502.8	459.0	502.8	546.5	557.4	795.1	1111.9	1270.3	1551.2	2112.8
117.5°	597.8	558.1	518.3	558.1	597.8	607.8	809.9	1079.3	1214.1	1467.5	1974.3
120°	627.8	590.4	552.9	590.4	627.8	637.1	821.9	1068.3	1191.5	1423.1	1886.2
122.5°	662.2	624.5	586.8	624.5	662.2	671.6	839.1	1062.5	1174.2	1382.8	1799.8
125°	707.4	672.9	638.5	672.9	707.4	716.0	862.4	1057.8	1155.4	1332.6	1686.8
127.5°	750.1	715.3	680.6	715.3	750.1	758.8	885.7	1055.0	1139.6	1291.7	1595.9
130°	778.0	740.6	703.2	740.6	778.0	787.3	902.8	1056.7	1133.7	1269.1	1539.8
132.5°	801.3	763.9	726.5	763.9	801.3	810.6	916.5	1057.8	1128.4	1249.5	1492.0
135°	829.2	795.1	761.0	795.1	829.2	837.7	931.6	1056.7	1119.4	1220.9	1423.9
137.5°	863.8	830.1	796.3	830.1	863.8	872.2	954.1	1063.3	1117.9	1203.7	1375.3
140°	887.7	856.7	825.6	856.7	887.7	895.5	967.9	1064.4	1112.6	1186.8	1335.0
142.5°	905.6	876.9	848.1	876.9	905.6	912.8	979.4	1068.2	1112.6	1177.8	1307.9
145°	932.8	907.8	882.7	907.8	932.8	939.1	994.4	1068.2	1105.1	1158.3	1264.9
147.5°	966.0	941.7	917.3	941.7	966.0	972.1	1016.4	1075.5	1105.1	1147.0	1230.8
150°	983.8	961.8	939.8	961.8	983.8	989.4	1027.9	1079.4	1105.1	1140.5	1211.2
152.5°	996.5	979.8	963.1	979.8	996.5	1000.7	1035.5	1081.9	1105.1	1135.3	1195.7
155°	1022.4	1010.0	997.6	1010.0	1022.4	1025.4	1052.0	1087.4	1105.1	1129.1	1177.2
157.5°	1047.3	1035.2	1023.2	1035.2	1047.3	1050.2	1068.6	1092.9	1105.1	1123.8	1161.2
160°	1059.2	1049.8	1040.5	1049.8	1059.2	1061.5	1076.0	1095.4	1105.1	1121.1	1153.2
162.5°	1071.8	1064.8	1057.8	1064.8	1071.8	1073.5	1084.0	1098.1	1105.1	1118.6	1145.6
165°	1089.2	1082.9	1076.6	1082.9	1089.2	1090.8	1095.5	1101.9	1105.1	1114.8	1134.2
167.5°	1099.9	1096.8	1093.8	1096.8	1099.9	1100.6	1104.6	1110.0	1112.6	1119.0	1131.7
170°	1111.1	1108.1	1105.1	1108.1	1111.1	1111.8	1112.1	1112.5	1112.6	1119.0	1131.7
172.5°	1112.5	1111.8	1111.1	1111.8	1112.5	1112.6	1112.6	1112.6	1112.6	1117.6	1127.7
175°	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1117.1	1114.2	1112.6	1115.8	1122.1
177.5°	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1117.6	1115.3	1114.1	1116.6	1121.6
180°	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4



TEST NUMBER: P935851

CATALOG NUMBER: SQ4-FA-150U-050D-930-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8	853.8
2.5°	824.0	821.5	824.8	815.8	824.8	821.5	824.0	829.6	824.8	828.0	831.3
5°	723.0	718.9	706.0	695.5	706.0	718.9	723.0	740.0	748.0	762.5	782.0
7.5°	646.3	643.0	639.8	633.3	639.8	643.0	646.3	651.1	659.2	672.1	686.6
10°	629.3	630.1	634.9	634.1	634.9	630.1	629.3	627.6	625.2	627.6	636.5
12.5°	672.9	680.1	706.8	705.2	706.8	680.1	672.9	640.6	618.8	614.7	616.4
15°	723.0	725.4	731.1	731.9	731.1	725.4	723.0	710.1	644.6	616.4	607.5
17.5°	727.8	728.6	732.7	732.7	732.7	728.6	727.8	722.1	700.4	662.4	612.3
20°	723.8	725.4	733.5	735.1	733.5	725.4	723.8	716.5	704.4	690.7	652.7
22.5°	722.1	725.4	731.9	731.1	731.9	725.4	722.1	710.9	700.4	690.7	675.3
25°	714.1	714.1	714.9	715.7	714.9	714.1	714.1	705.2	684.2	681.7	672.9
27.5°	697.2	698.8	703.6	702.8	703.6	698.8	697.2	693.9	671.3	668.9	662.4
30°	681.7	680.1	676.1	672.9	676.1	680.1	681.7	676.9	654.3	647.9	649.5
32.5°	656.0	651.9	647.9	645.5	647.9	651.9	656.0	654.3	637.3	628.5	630.1
35°	625.2	626.0	625.2	622.8	625.2	626.0	625.2	626.8	616.4	608.3	607.5
37.5°	603.5	605.1	604.3	601.0	604.3	605.1	603.5	601.8	587.2	584.8	586.4
40°	580.8	581.6	580.8	578.4	580.8	581.6	580.8	577.6	557.4	558.2	563.9
42.5°	559.0	558.2	555.8	554.2	555.8	558.2	559.0	554.2	528.3	525.9	536.4
45°	534.0	534.8	529.9	527.5	529.9	534.8	534.0	530.7	504.0	497.6	504.8
47.5°	508.9	508.9	504.8	502.4	504.8	508.9	508.9	504.8	476.6	470.2	474.2
50°	482.3	481.5	475.8	475.0	475.8	481.5	482.3	479.9	449.9	444.3	444.3
52.5°	451.5	451.5	452.3	454.0	452.3	451.5	451.5	452.3	425.8	420.0	418.4
55°	424.9	425.8	431.4	433.0	431.4	425.8	424.9	424.9	400.7	395.0	391.8
57.5°	397.4	397.4	401.5	401.5	401.5	397.4	397.4	395.8	372.4	367.5	365.9
60°	365.9	367.5	370.7	369.9	370.7	367.5	365.9	364.3	344.1	340.9	335.3
62.5°	332.8	334.4	335.3	333.6	335.3	334.4	332.8	327.9	315.8	313.4	306.2
65°	298.1	299.7	300.5	298.9	300.5	299.7	298.1	295.7	286.8	282.7	276.2
67.5°	262.5	261.7	260.9	264.2	260.9	261.7	262.5	259.3	253.7	250.5	241.5
70°	226.2	226.2	225.4	227.0	225.4	226.2	226.2	223.8	220.5	218.1	210.1
72.5°	187.4	186.6	189.8	187.4	189.8	186.6	187.4	186.6	185.0	182.6	174.5
75°	149.4	151.0	149.4	151.8	149.4	151.0	149.4	150.2	149.4	147.8	142.2
77.5°	113.9	115.6	113.9	113.9	113.9	115.6	113.9	114.7	114.7	114.7	109.9
80°	80.8	80.0	80.0	79.2	80.0	80.0	80.8	80.8	81.6	80.0	78.4
82.5°	51.7	50.9	50.9	52.5	50.9	50.9	51.7	52.5	50.9	50.9	50.9
85°	28.3	29.1	27.5	27.5	27.5	29.1	28.3	26.7	28.3	28.3	27.5
87.5°	10.5	9.7	9.7	9.7	9.7	9.7	10.5	11.3	11.3	11.3	12.1
90°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	38.1	50.7	57.1	49.1
92.5°	142.8	137.1	114.3	91.6	114.3	137.1	142.8	202.4	281.8	321.5	282.3
95°	484.5	467.3	398.5	329.8	398.5	467.3	484.5	636.3	838.7	939.8	793.8
97.5°	1118.7	1085.9	955.0	824.1	955.0	1085.9	1118.7	1214.5	1342.5	1406.4	1162.8
100°	1570.9	1532.0	1376.0	1220.1	1376.0	1532.0	1570.9	1563.9	1554.5	1549.9	1279.6
102.5°	1957.0	1923.6	1790.0	1656.5	1790.0	1923.6	1957.0	1834.8	1671.8	1590.4	1316.3
105°	2407.8	2389.8	2318.0	2246.2	2318.0	2389.8	2407.8	2133.8	1768.5	1585.9	1320.5
107.5°	2642.2	2646.5	2663.9	2681.2	2663.9	2646.5	2642.2	2260.0	1750.5	1495.7	1261.7
110°	2702.3	2721.0	2795.7	2870.6	2795.7	2721.0	2702.3	2275.1	1705.4	1420.6	1209.6



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2664.0	2692.7	2807.5	2922.4	2807.5	2692.7	2664.0	2226.7	1643.7	1352.3	1164.1
115°	2533.9	2573.8	2733.0	2892.3	2733.0	2573.8	2533.9	2112.8	1551.2	1270.3	1111.9
117.5°	2354.4	2398.6	2575.2	2751.9	2575.2	2398.6	2354.4	1974.3	1467.5	1214.1	1079.3
120°	2233.5	2276.3	2448.0	2619.6	2448.0	2276.3	2233.5	1886.2	1423.1	1191.5	1068.3
122.5°	2112.5	2154.9	2324.1	2493.4	2324.1	2154.9	2112.5	1799.8	1382.8	1174.2	1062.5
125°	1952.5	1991.4	2147.4	2303.3	2147.4	1991.4	1952.5	1686.8	1332.6	1155.4	1057.8
127.5°	1824.0	1856.9	1988.5	2120.1	1988.5	1856.9	1824.0	1595.9	1291.7	1139.6	1055.0
130°	1742.9	1773.3	1894.8	2016.3	1894.8	1773.3	1742.9	1539.8	1269.1	1133.7	1056.7
132.5°	1673.8	1701.0	1809.8	1918.7	1809.8	1701.0	1673.8	1492.0	1249.5	1128.4	1057.8
135°	1576.1	1599.6	1693.4	1787.2	1693.4	1599.6	1576.1	1423.9	1220.9	1119.4	1056.7
137.5°	1504.0	1523.2	1600.1	1676.8	1600.1	1523.2	1504.0	1375.3	1203.7	1117.9	1063.3
140°	1446.2	1464.1	1535.9	1607.7	1535.9	1464.1	1446.2	1335.0	1186.8	1112.6	1064.4
142.5°	1405.6	1421.0	1482.8	1544.6	1482.8	1421.0	1405.6	1307.9	1177.8	1112.6	1068.2
145°	1344.8	1356.4	1403.2	1449.9	1403.2	1356.4	1344.8	1264.9	1158.3	1105.1	1068.2
147.5°	1293.6	1303.3	1342.1	1380.8	1342.1	1303.3	1293.6	1230.8	1147.0	1105.1	1075.5
150°	1264.3	1272.2	1303.6	1335.0	1303.6	1272.2	1264.3	1211.2	1140.5	1105.1	1079.4
152.5°	1241.0	1247.0	1270.7	1294.4	1270.7	1247.0	1241.0	1195.7	1135.3	1105.1	1081.9
155°	1213.3	1217.2	1232.8	1248.6	1232.8	1217.2	1213.3	1177.2	1129.1	1105.1	1087.4
157.5°	1189.2	1192.0	1203.1	1214.1	1203.1	1192.0	1189.2	1161.2	1123.8	1105.1	1092.9
160°	1177.2	1178.8	1185.1	1191.5	1185.1	1178.8	1177.2	1153.2	1121.1	1105.1	1095.4
162.5°	1166.0	1167.5	1173.4	1179.4	1173.4	1167.5	1166.0	1145.6	1118.6	1105.1	1098.1
165°	1148.7	1150.3	1156.6	1162.9	1156.6	1150.3	1148.7	1134.2	1114.8	1105.1	1101.9
167.5°	1141.1	1141.8	1144.5	1147.2	1144.5	1141.8	1141.1	1131.7	1119.0	1112.6	1110.0
170°	1141.1	1141.1	1141.1	1141.1	1141.1	1141.1	1141.1	1131.7	1119.0	1112.6	1112.5
172.5°	1135.1	1134.6	1132.2	1129.9	1132.2	1134.6	1135.1	1127.7	1117.6	1112.6	1112.6
175°	1126.8	1126.8	1126.8	1126.8	1126.8	1126.8	1126.8	1122.1	1115.8	1112.6	1114.2
177.5°	1125.4	1124.8	1122.0	1119.4	1122.0	1124.8	1125.4	1121.6	1116.6	1114.1	1115.3
180°	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4	1119.4



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	853.8	853.8	853.8	853.8	853.8
2.5°	843.3	847.4	849.8	853.0	861.1
5°	811.0	826.4	831.3	843.3	857.8
7.5°	740.0	786.8	799.7	828.8	851.4
10°	671.3	718.1	740.8	809.4	843.3
12.5°	636.5	664.0	679.3	775.5	832.1
15°	614.7	634.1	645.5	730.2	819.1
17.5°	597.8	611.5	619.6	685.8	801.3
20°	587.2	593.7	601.0	653.5	781.2
22.5°	580.0	576.0	581.6	630.9	753.7
25°	575.2	559.8	566.3	613.1	721.3
27.5°	579.2	545.2	547.7	597.0	687.4
30°	580.0	527.5	528.3	580.0	649.5
32.5°	574.4	508.9	509.7	559.0	606.7
35°	560.6	487.1	486.3	534.8	548.5
37.5°	542.0	463.7	463.7	508.1	484.7
40°	519.4	440.3	442.7	473.4	428.2
42.5°	491.9	415.2	418.4	427.4	386.2
45°	462.0	391.0	393.4	361.1	353.8
47.5°	429.0	365.9	366.7	299.7	343.3
50°	389.4	340.1	336.9	256.9	342.5
52.5°	354.6	311.8	302.1	232.6	311.0
55°	320.7	281.9	260.9	214.1	288.4
57.5°	290.8	243.1	223.0	192.2	283.5
60°	263.3	205.2	189.8	168.8	260.1
62.5°	240.7	176.9	173.7	152.7	235.8
65°	216.5	157.5	156.7	138.9	200.3
67.5°	193.0	144.6	143.8	126.0	152.7
70°	168.0	130.9	129.3	112.3	113.1
72.5°	142.2	115.6	113.9	100.9	93.7
75°	116.4	97.7	96.9	88.1	76.0
77.5°	91.3	77.6	79.2	71.1	55.7
80°	65.4	56.5	58.1	50.9	42.0
82.5°	43.6	37.2	38.8	32.3	28.3
85°	24.3	21.0	21.8	16.9	12.9
87.5°	11.3	9.7	9.7	6.4	4.0
90°	33.1	21.0	19.5	13.6	7.5
92.5°	203.9	145.0	132.3	81.1	30.0
95°	501.6	282.5	259.1	165.6	72.1
97.5°	675.6	310.3	289.6	207.2	124.7
100°	739.0	333.6	314.9	240.1	165.3
102.5°	768.1	356.9	339.4	269.6	199.9
105°	789.6	391.4	376.6	317.5	258.4
107.5°	793.5	442.5	428.7	373.6	318.6
110°	787.6	471.0	458.6	408.9	359.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	787.8	505.6	493.7	446.3	398.9
115°	795.1	557.4	546.5	502.8	459.0
117.5°	809.9	607.8	597.8	558.1	518.3
120°	821.9	637.1	627.8	590.4	552.9
122.5°	839.1	671.6	662.2	624.5	586.8
125°	862.4	716.0	707.4	672.9	638.5
127.5°	885.7	758.8	750.1	715.3	680.6
130°	902.8	787.3	778.0	740.6	703.2
132.5°	916.5	810.6	801.3	763.9	726.5
135°	931.6	837.7	829.2	795.1	761.0
137.5°	954.1	872.2	863.8	830.1	796.3
140°	967.9	895.5	887.7	856.7	825.6
142.5°	979.4	912.8	905.6	876.9	848.1
145°	994.4	939.1	932.8	907.8	882.7
147.5°	1016.4	972.1	966.0	941.7	917.3
150°	1027.9	989.4	983.8	961.8	939.8
152.5°	1035.5	1000.7	996.5	979.8	963.1
155°	1052.0	1025.4	1022.4	1010.0	997.6
157.5°	1068.6	1050.2	1047.3	1035.2	1023.2
160°	1076.0	1061.5	1059.2	1049.8	1040.5
162.5°	1084.0	1073.5	1071.8	1064.8	1057.8
165°	1095.5	1090.8	1089.2	1082.9	1076.6
167.5°	1104.6	1100.6	1099.9	1096.8	1093.8
170°	1112.1	1111.8	1111.1	1108.1	1105.1
172.5°	1112.6	1112.6	1112.5	1111.8	1111.1
175°	1117.1	1119.4	1119.4	1119.4	1119.4
177.5°	1117.6	1119.4	1119.4	1119.4	1119.4
180°	1119.4	1119.4	1119.4	1119.4	1119.4



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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	7.38	8.04	8.53	9.18	10.79	10.20	10.86	11.36	12.01	13.61
	3H	7.84	8.43	9.00	9.58	11.20	11.53	12.12	12.69	13.27	14.89
	4H	8.02	8.58	9.19	9.74	11.36	11.96	12.53	13.13	13.68	15.30
	6H	8.13	8.65	9.31	9.80	11.44	12.23	12.75	13.41	13.91	15.54
	8H	8.12	8.62	9.30	9.79	11.41	12.30	12.80	13.48	13.96	15.59
	12H	8.09	8.56	9.27	9.72	11.37	12.33	12.80	13.52	13.96	15.62
4H	2H	8.38	8.95	9.56	10.10	11.72	10.58	11.15	11.77	12.30	13.93
	3H	9.39	9.86	10.57	11.04	12.68	12.07	12.54	13.25	13.72	15.35
	4H	9.66	10.09	10.84	11.26	12.91	12.59	13.02	13.77	14.19	15.84
	6H	9.77	10.14	10.96	11.33	12.98	12.94	13.31	14.13	14.50	16.14
	8H	9.77	10.12	10.96	11.30	12.96	13.04	13.39	14.23	14.57	16.23
	12H	9.73	10.04	10.94	11.23	12.90	13.09	13.40	14.29	14.59	16.26
8H	4H	10.09	10.44	11.28	11.62	13.28	12.70	13.04	13.89	14.22	15.88
	6H	10.35	10.63	11.56	11.85	13.51	13.12	13.41	14.33	14.63	16.29
	8H	10.39	10.64	11.60	11.83	13.51	13.27	13.52	14.49	14.72	16.40
	12H	10.36	10.58	11.58	11.78	13.49	13.36	13.58	14.58	14.77	16.49
12H	4H	10.09	10.41	11.30	11.59	13.26	12.65	12.97	13.86	14.16	15.82
	6H	10.41	10.65	11.62	11.85	13.53	13.12	13.37	14.33	14.57	16.25
	8H	10.46	10.68	11.68	11.88	13.59	13.27	13.49	14.49	14.68	16.39