

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: P935819

Luminaire Tested: SQ4-FA-150U-050D-840-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935819
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-840-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

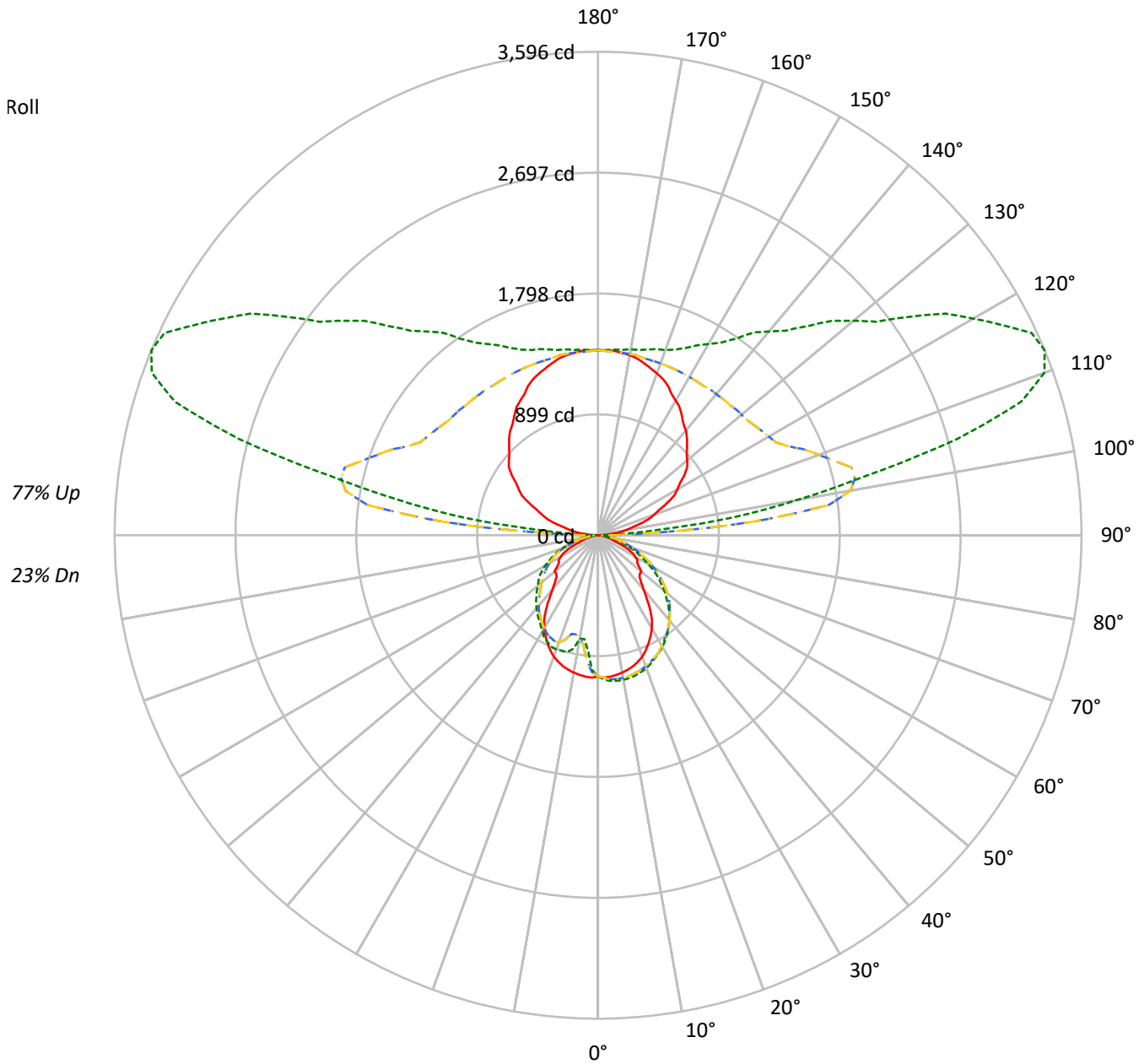
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11657.4 lumens
Efficiency: N/A
Efficacy: 139.8 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



— 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°	6499	6499	6499	6499
5°	6545	6560	6545	5158
10°	6499	6462	6499	4620
15°	6426	6322	6426	5279
20°	6289	6156	6289	5290
25°	6011	5915	6011	5178
30°	5654	5714	5654	4932
35°	5038	5460	5038	4662
40°	4195	5161	4195	4458
45°	3746	4810	3746	4222
50°	3977	4393	3977	3986
55°	3738	3943	3738	3850
60°	3848	3349	3848	3526
65°	3484	2769	3484	3094
70°	2406	2206	2406	2594
75°	2104	1630	2104	1952
80°	1683	1078	1683	1174
85°	948	570	948	486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5746 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	0.8
10°-20°	269.3	2.3
20°-30°	416.2	3.6
30°-40°	496.9	4.3
40°-50°	499.8	4.3
50°-60°	434.9	3.7
60°-70°	308.3	2.6
70°-80°	163.1	1.4
80°-90°	45.9	0.4
90°-100°	671.4	5.8
100°-110°	1765.0	15.1
110°-120°	1830.1	15.7
120°-130°	1468.0	12.6
130°-140°	1151.8	9.9
140°-150°	884.1	7.6
150°-160°	636.7	5.5
160°-170°	389.6	3.3
170°-180°	131.6	1.1
0°-30°	780.3	6.7
0°-40°	1277.2	11.0
0°-60°	2211.8	19.0
0°-90°	2729.2	23.4
90°-120°	4266.5	36.6
90°-150°	7770.4	66.7
90°-180°	8928.0	76.6
0°-180°	11657.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1050	1050	1050	1050	1050	
5°	1056	1088	1056	856	1056	100
15°	1008	1078	1008	900	1008	284
25°	888	1006	888	881	888	408
35°	675	898	675	766	675	418
45°	435	739	435	649	435	349
55°	355	546	355	533	355	326
65°	246	329	246	368	246	236
75°	94	156	94	187	94	98
85°	16	40	16	34	16	21
90°	9	35	9	35	9	8
95°	89	406	89	406	89	99
105°	318	2764	318	2764	318	337
115°	565	3559	565	3559	565	558
125°	786	2834	786	2834	786	698
135°	936	2199	936	2199	936	724
145°	1086	1784	1086	1784	1086	680
155°	1228	1536	1228	1536	1228	564
165°	1325	1431	1325	1431	1325	374
175°	1377	1386	1377	1386	1377	131
180°	1377	1377	1377	1377	1377	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5
2.5°	1059.5	1059.5	1065.5	1067.4	1067.4	1064.5	1061.5	1064.5	1073.5	1076.4	1075.4
5°	1055.5	1063.5	1074.4	1076.4	1078.4	1077.4	1075.4	1077.4	1087.3	1089.4	1090.4
7.5°	1047.6	1062.5	1076.4	1079.4	1082.4	1079.4	1078.4	1080.4	1090.4	1092.3	1092.3
10°	1037.6	1058.5	1074.4	1076.4	1079.4	1076.4	1076.4	1080.4	1090.4	1092.3	1093.3
12.5°	1023.8	1052.5	1067.4	1069.4	1073.5	1072.5	1071.4	1075.4	1085.3	1087.3	1087.3
15°	1007.9	1041.6	1055.5	1057.6	1064.5	1062.5	1062.5	1066.4	1077.4	1080.4	1079.4
17.5°	985.9	1027.7	1043.6	1046.6	1051.5	1050.5	1051.5	1055.5	1065.5	1067.4	1068.4
20°	961.1	1008.8	1027.7	1030.7	1035.6	1035.6	1035.6	1040.7	1050.5	1054.5	1054.5
22.5°	927.3	988.9	1008.8	1010.8	1016.8	1016.8	1018.7	1025.7	1034.6	1035.6	1035.6
25°	887.5	967.1	983.9	990.0	995.9	998.9	1001.8	1005.9	1008.8	1007.9	1008.8
27.5°	845.8	939.2	961.1	965.1	973.1	976.0	980.0	981.0	982.0	984.9	983.0
30°	799.1	900.5	933.3	937.2	950.2	952.1	948.2	950.2	955.1	957.2	959.2
32.5°	746.4	842.9	904.4	913.4	925.4	919.3	918.3	921.3	929.3	929.3	931.3
35°	674.9	798.1	877.6	885.5	894.5	887.5	891.6	892.6	897.5	900.5	899.5
37.5°	596.4	759.4	849.8	855.7	862.7	853.7	859.8	862.7	866.7	864.7	864.7
40°	526.8	698.7	817.0	820.9	827.0	819.9	826.0	827.9	829.9	827.9	827.0
42.5°	475.1	632.1	782.2	787.1	783.2	788.1	790.2	794.2	791.2	787.1	787.1
45°	435.3	614.2	744.5	750.4	744.5	752.4	755.3	755.3	746.4	744.5	743.5
47.5°	422.4	578.5	706.7	706.7	703.7	713.6	718.6	711.7	702.7	699.7	699.7
50°	421.4	538.7	654.9	651.0	664.9	676.9	671.8	664.9	658.0	647.0	647.0
52.5°	382.7	489.9	588.4	603.3	625.2	632.1	624.2	617.2	605.2	600.3	596.4
55°	354.8	439.3	527.8	557.6	580.4	589.3	574.5	567.5	549.6	546.7	544.7
57.5°	348.9	365.8	472.1	509.9	537.7	536.7	527.8	514.8	499.9	497.0	496.0
60°	320.0	264.4	412.5	457.2	486.0	483.0	475.1	463.2	449.2	447.3	445.3
62.5°	290.2	191.9	344.9	395.6	436.3	435.3	428.4	410.5	400.5	395.6	391.6
65°	246.5	161.0	245.5	329.0	387.6	389.6	374.7	361.8	350.8	344.9	343.9
67.5°	187.8	131.2	166.0	274.4	341.0	338.9	320.0	314.1	300.2	297.2	291.3
70°	139.1	87.4	115.3	222.6	295.2	290.2	275.4	268.3	255.4	248.5	244.5
72.5°	115.3	70.5	84.5	172.9	248.5	242.6	229.6	221.6	210.7	204.7	200.8
75°	93.5	74.5	64.6	128.2	201.7	197.8	185.8	177.9	168.9	161.0	162.0
77.5°	68.6	69.6	51.7	94.5	160.1	154.0	147.1	137.1	133.2	125.3	125.3
80°	51.7	54.6	38.7	64.6	115.3	115.3	109.4	102.4	95.4	91.5	91.5
82.5°	34.8	34.8	28.8	40.7	78.5	75.6	71.5	69.6	65.6	63.6	63.6
85°	15.9	19.9	17.9	24.8	42.8	44.8	44.8	42.8	41.8	39.7	40.7
87.5°	4.9	9.0	11.0	13.9	21.8	22.8	23.8	23.8	23.8	24.8	24.8
90°	9.3	16.7	24.0	25.9	40.7	60.4	70.2	62.4	46.8	35.2	35.2
92.5°	37.0	99.8	162.7	178.4	250.9	347.4	395.6	346.7	249.0	175.7	168.7
95°	88.7	203.7	318.8	347.6	617.2	976.6	1156.4	1031.9	782.9	596.2	575.0
97.5°	153.4	254.9	356.4	381.8	831.3	1430.7	1730.4	1651.7	1494.4	1376.4	1336.1
100°	203.3	295.4	387.4	410.4	909.3	1574.4	1906.9	1912.7	1924.2	1932.8	1884.9
102.5°	245.9	331.8	417.6	439.1	945.0	1619.5	1956.8	2057.0	2257.5	2407.9	2366.8
105°	317.9	390.7	463.4	481.6	971.5	1624.7	1951.3	2176.0	2625.4	2962.5	2940.4
107.5°	391.9	459.7	527.5	544.4	976.3	1552.3	1840.3	2153.8	2780.7	3250.9	3256.3
110°	441.8	503.1	564.2	579.6	969.0	1488.2	1747.9	2098.3	2799.2	3324.8	3347.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	490.8	549.1	607.4	622.0	969.3	1432.3	1663.8	2022.4	2739.7	3277.7	3313.1
115°	564.7	618.6	672.4	685.9	978.2	1368.1	1563.0	1908.5	2599.5	3117.7	3166.7
117.5°	637.8	686.7	735.6	747.8	996.5	1328.0	1493.8	1805.6	2429.1	2896.8	2951.2
120°	680.3	726.4	772.4	783.9	1011.2	1314.4	1466.0	1750.9	2320.7	2748.0	2800.8
122.5°	721.9	768.4	814.8	826.4	1032.5	1307.3	1444.8	1701.3	2214.4	2599.2	2651.3
125°	785.7	827.9	870.3	880.9	1061.1	1301.5	1421.6	1639.6	2075.4	2402.3	2450.2
127.5°	837.4	880.1	922.9	933.6	1089.8	1298.0	1402.2	1589.3	1963.6	2244.2	2284.8
130°	865.2	911.2	957.3	968.7	1110.8	1300.2	1394.9	1561.4	1894.6	2144.5	2181.8
132.5°	893.8	939.9	985.9	997.4	1127.7	1301.5	1388.3	1537.4	1835.7	2059.4	2092.9
135°	936.3	978.2	1020.2	1030.7	1146.2	1300.2	1377.3	1502.2	1751.9	1939.2	1968.1
137.5°	979.8	1021.3	1062.8	1073.2	1173.9	1308.2	1375.4	1481.0	1692.1	1850.5	1874.1
140°	1015.9	1054.1	1092.2	1101.8	1190.8	1309.6	1369.0	1460.2	1642.6	1779.4	1801.4
142.5°	1043.5	1078.9	1114.3	1123.1	1205.1	1314.3	1369.0	1449.1	1609.3	1729.4	1748.4
145°	1086.1	1116.9	1147.8	1155.5	1223.5	1314.3	1359.7	1425.2	1556.3	1654.6	1668.9
147.5°	1128.6	1158.6	1188.6	1196.1	1250.6	1323.3	1359.7	1411.3	1514.3	1591.7	1603.6
150°	1156.4	1183.4	1210.5	1217.3	1264.7	1328.1	1359.7	1403.3	1490.3	1555.6	1565.3
152.5°	1185.0	1205.6	1226.1	1231.2	1274.0	1331.1	1359.7	1396.8	1471.2	1527.0	1534.3
155°	1227.5	1242.7	1257.9	1261.7	1294.4	1337.9	1359.7	1389.2	1448.4	1492.8	1497.6
157.5°	1258.9	1273.7	1288.5	1292.2	1314.7	1344.7	1359.7	1382.7	1428.7	1463.2	1466.6
160°	1280.3	1291.7	1303.2	1306.0	1323.9	1347.7	1359.7	1379.4	1418.9	1448.4	1450.4
162.5°	1301.5	1310.1	1318.7	1320.9	1333.8	1351.1	1359.7	1376.3	1409.6	1434.6	1436.5
165°	1324.6	1332.4	1340.1	1342.1	1347.9	1355.7	1359.7	1371.6	1395.5	1413.3	1415.3
167.5°	1345.9	1349.5	1353.3	1354.2	1359.1	1365.7	1369.0	1376.8	1392.4	1404.0	1404.8
170°	1359.7	1363.3	1367.1	1368.0	1368.3	1368.8	1369.0	1376.8	1392.4	1404.0	1404.0
172.5°	1367.1	1367.9	1368.8	1369.0	1369.0	1369.0	1369.0	1375.1	1387.4	1396.6	1395.9
175°	1377.3	1377.3	1377.3	1377.3	1374.5	1370.8	1369.0	1372.8	1380.6	1386.5	1386.5
177.5°	1377.3	1377.3	1377.3	1377.3	1375.1	1372.2	1370.8	1373.8	1380.0	1384.7	1383.9
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5
2.5°	1077.4	1074.4	1077.4	1075.4	1076.4	1073.5	1064.5	1061.5	1064.5	1067.4	1067.4
5°	1090.4	1088.3	1090.4	1090.4	1089.4	1087.3	1077.4	1075.4	1077.4	1078.4	1076.4
7.5°	1094.3	1091.3	1094.3	1092.3	1092.3	1090.4	1080.4	1078.4	1079.4	1082.4	1079.4
10°	1094.3	1091.3	1094.3	1093.3	1092.3	1090.4	1080.4	1076.4	1076.4	1079.4	1076.4
12.5°	1089.4	1087.3	1089.4	1087.3	1087.3	1085.3	1075.4	1071.4	1072.5	1073.5	1069.4
15°	1081.4	1078.4	1081.4	1079.4	1080.4	1077.4	1066.4	1062.5	1062.5	1064.5	1057.6
17.5°	1069.4	1065.5	1069.4	1068.4	1067.4	1065.5	1055.5	1051.5	1050.5	1051.5	1046.6
20°	1055.5	1052.5	1055.5	1054.5	1054.5	1050.5	1040.7	1035.6	1035.6	1035.6	1030.7
22.5°	1033.6	1030.7	1033.6	1035.6	1035.6	1034.6	1025.7	1018.7	1016.8	1016.8	1010.8
25°	1008.8	1005.9	1008.8	1008.8	1007.9	1008.8	1005.9	1001.8	998.9	995.9	990.0
27.5°	984.9	983.0	984.9	983.0	984.9	982.0	981.0	980.0	976.0	973.1	965.1
30°	961.1	959.2	961.1	959.2	957.2	955.1	950.2	948.2	952.1	950.2	937.2
32.5°	931.3	929.3	931.3	931.3	929.3	929.3	921.3	918.3	919.3	925.4	913.4
35°	900.5	897.5	900.5	899.5	900.5	897.5	892.6	891.6	887.5	894.5	885.5
37.5°	864.7	861.7	864.7	864.7	864.7	866.7	862.7	859.8	853.7	862.7	855.7
40°	827.9	824.0	827.9	827.0	827.9	829.9	827.9	826.0	819.9	827.0	820.9
42.5°	786.2	785.2	786.2	787.1	787.1	791.2	794.2	790.2	788.1	783.2	787.1
45°	741.5	739.4	741.5	743.5	744.5	746.4	755.3	755.3	752.4	744.5	750.4
47.5°	693.8	688.7	693.8	699.7	699.7	702.7	711.7	718.6	713.6	703.7	706.7
50°	643.1	644.1	643.1	647.0	647.0	658.0	664.9	671.8	676.9	664.9	651.0
52.5°	593.4	592.4	593.4	596.4	600.3	605.2	617.2	624.2	632.1	625.2	603.3
55°	543.7	545.7	543.7	544.7	546.7	549.6	567.5	574.5	589.3	580.4	557.6
57.5°	494.0	491.0	494.0	496.0	497.0	499.9	514.8	527.8	536.7	537.7	509.9
60°	436.3	432.3	436.3	445.3	447.3	449.2	463.2	475.1	483.0	486.0	457.2
62.5°	385.6	378.7	385.6	391.6	395.6	400.5	410.5	428.4	435.3	436.3	395.6
65°	332.0	329.0	332.0	343.9	344.9	350.8	361.8	374.7	389.6	387.6	329.0
67.5°	283.3	283.3	283.3	291.3	297.2	300.2	314.1	320.0	338.9	341.0	274.4
70°	238.5	237.5	238.5	244.5	248.5	255.4	268.3	275.4	290.2	295.2	222.6
72.5°	195.8	194.8	195.8	200.8	204.7	210.7	221.6	229.6	242.6	248.5	172.9
75°	158.1	156.0	158.1	162.0	161.0	168.9	177.9	185.8	197.8	201.7	128.2
77.5°	121.2	121.2	121.2	125.3	125.3	133.2	137.1	147.1	154.0	160.1	94.5
80°	90.4	89.4	90.4	91.5	91.5	95.4	102.4	109.4	115.3	115.3	64.6
82.5°	63.6	61.7	63.6	63.6	63.6	65.6	69.6	71.5	75.6	78.5	40.7
85°	39.7	39.7	39.7	40.7	39.7	41.8	42.8	44.8	44.8	42.8	24.8
87.5°	25.9	24.8	25.9	24.8	24.8	23.8	23.8	23.8	22.8	21.8	13.9
90°	35.2	35.2	35.2	35.2	35.2	46.8	62.4	70.2	60.4	40.7	25.9
92.5°	140.7	112.7	140.7	168.7	175.7	249.0	346.7	395.6	347.4	250.9	178.4
95°	490.3	405.8	490.3	575.0	596.2	782.9	1031.9	1156.4	976.6	617.2	347.6
97.5°	1175.0	1014.0	1175.0	1336.1	1376.4	1494.4	1651.7	1730.4	1430.7	831.3	381.8
100°	1693.0	1501.2	1693.0	1884.9	1932.8	1924.2	1912.7	1906.9	1574.4	909.3	410.4
102.5°	2202.4	2038.1	2202.4	2366.8	2407.9	2257.5	2057.0	1956.8	1619.5	945.0	439.1
105°	2852.1	2763.7	2852.1	2940.4	2962.5	2625.4	2176.0	1951.3	1624.7	971.5	481.6
107.5°	3277.6	3298.9	3277.6	3256.3	3250.9	2780.7	2153.8	1840.3	1552.3	976.3	544.4
110°	3439.8	3531.9	3439.8	3347.8	3324.8	2799.2	2098.3	1747.9	1488.2	969.0	579.6



TEST NUMBER: P935819

CATALOG NUMBER: SQ4-FA-150U-050D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3454.3	3595.6	3454.3	3313.1	3277.7	2739.7	2022.4	1663.8	1432.3	969.3	622.0
115°	3362.7	3558.7	3362.7	3166.7	3117.7	2599.5	1908.5	1563.0	1368.1	978.2	685.9
117.5°	3168.5	3385.9	3168.5	2951.2	2896.8	2429.1	1805.6	1493.8	1328.0	996.5	747.8
120°	3012.0	3223.2	3012.0	2800.8	2748.0	2320.7	1750.9	1466.0	1314.4	1011.2	783.9
122.5°	2859.6	3067.8	2859.6	2651.3	2599.2	2214.4	1701.3	1444.8	1307.3	1032.5	826.4
125°	2642.1	2834.0	2642.1	2450.2	2402.3	2075.4	1639.6	1421.6	1301.5	1061.1	880.9
127.5°	2446.6	2608.5	2446.6	2284.8	2244.2	1963.6	1589.3	1402.2	1298.0	1089.8	933.6
130°	2331.4	2480.9	2331.4	2181.8	2144.5	1894.6	1561.4	1394.9	1300.2	1110.8	968.7
132.5°	2226.8	2360.7	2226.8	2092.9	2059.4	1835.7	1537.4	1388.3	1301.5	1127.7	997.4
135°	2083.6	2199.0	2083.6	1968.1	1939.2	1751.9	1502.2	1377.3	1300.2	1146.2	1030.7
137.5°	1968.7	2063.1	1968.7	1874.1	1850.5	1692.1	1481.0	1375.4	1308.2	1173.9	1073.2
140°	1889.7	1978.1	1889.7	1801.4	1779.4	1642.6	1460.2	1369.0	1309.6	1190.8	1101.8
142.5°	1824.4	1900.4	1824.4	1748.4	1729.4	1609.3	1449.1	1369.0	1314.3	1205.1	1123.1
145°	1726.4	1783.9	1726.4	1668.9	1654.6	1556.3	1425.2	1359.7	1314.3	1223.5	1155.5
147.5°	1651.2	1699.0	1651.2	1603.6	1591.7	1514.3	1411.3	1359.7	1323.3	1250.6	1196.1
150°	1603.9	1642.6	1603.9	1565.3	1555.6	1490.3	1403.3	1359.7	1328.1	1264.7	1217.3
152.5°	1563.4	1592.7	1563.4	1534.3	1527.0	1471.2	1396.8	1359.7	1331.1	1274.0	1231.2
155°	1516.9	1536.2	1516.9	1497.6	1492.8	1448.4	1389.2	1359.7	1337.9	1294.4	1261.7
157.5°	1480.2	1493.8	1480.2	1466.6	1463.2	1428.7	1382.7	1359.7	1344.7	1314.7	1292.2
160°	1458.2	1466.0	1458.2	1450.4	1448.4	1418.9	1379.4	1359.7	1347.7	1323.9	1306.0
162.5°	1443.8	1451.2	1443.8	1436.5	1434.6	1409.6	1376.3	1359.7	1351.1	1333.8	1320.9
165°	1423.0	1430.8	1423.0	1415.3	1413.3	1395.5	1371.6	1359.7	1355.7	1347.9	1342.1
167.5°	1408.2	1411.5	1408.2	1404.8	1404.0	1392.4	1376.8	1369.0	1365.7	1359.1	1354.2
170°	1404.0	1404.0	1404.0	1404.0	1404.0	1392.4	1376.8	1369.0	1368.8	1368.3	1368.0
172.5°	1393.1	1390.2	1393.1	1395.9	1396.6	1387.4	1375.1	1369.0	1369.0	1369.0	1369.0
175°	1386.5	1386.5	1386.5	1386.5	1386.5	1380.6	1372.8	1369.0	1370.8	1374.5	1377.3
177.5°	1380.5	1377.3	1380.5	1383.9	1384.7	1380.0	1373.8	1370.8	1372.2	1375.1	1377.3
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



TEST NUMBER: P935819

CATALOG NUMBER: SQ4-FA-150U-050D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5
2.5°	1065.5	1059.5	1059.5	1049.6	1045.6	1042.6	1037.6	1022.8	1018.7	1014.8	1020.7
5°	1074.4	1063.5	1055.5	1037.6	1022.8	1016.8	997.9	962.1	938.2	920.3	910.4
7.5°	1076.4	1062.5	1047.6	1019.7	983.9	968.0	910.4	844.8	827.0	811.0	801.1
10°	1074.4	1058.5	1037.6	995.9	911.4	883.6	826.0	783.2	772.2	769.3	772.2
12.5°	1067.4	1052.5	1023.8	954.1	835.8	817.0	783.2	758.4	756.3	761.4	788.1
15°	1055.5	1041.6	1007.9	898.5	794.2	780.2	756.3	747.4	758.4	793.2	873.7
17.5°	1043.6	1027.7	985.9	843.9	762.3	752.4	735.5	753.4	815.0	861.7	888.5
20°	1027.7	1008.8	961.1	804.0	739.4	730.5	722.5	803.0	849.8	866.7	881.6
22.5°	1008.8	988.9	927.3	776.3	715.6	708.7	713.6	830.9	849.8	861.7	874.7
25°	983.9	967.1	887.5	754.3	696.7	688.7	707.7	827.9	838.8	841.9	867.7
27.5°	961.1	939.2	845.8	734.5	673.9	670.9	712.6	815.0	823.0	826.0	853.7
30°	933.3	900.5	799.1	713.6	650.0	649.0	713.6	799.1	797.1	805.0	832.9
32.5°	904.4	842.9	746.4	687.7	627.2	626.2	706.7	775.3	773.3	784.2	805.0
35°	877.6	798.1	674.9	658.0	598.3	599.3	689.7	747.4	748.4	758.4	771.2
37.5°	849.8	759.4	596.4	625.2	570.5	570.5	666.9	721.5	719.6	722.5	740.5
40°	817.0	698.7	526.8	582.4	544.7	541.7	639.0	693.8	686.8	685.8	710.7
42.5°	782.2	632.1	475.1	525.8	514.8	510.9	605.2	660.0	647.0	650.0	681.8
45°	744.5	614.2	435.3	444.3	484.0	481.1	568.5	621.2	612.3	620.2	653.0
47.5°	706.7	578.5	422.4	368.7	451.2	450.2	527.8	583.4	578.5	586.4	621.2
50°	654.9	538.7	421.4	316.1	414.5	418.4	479.1	546.7	546.7	553.6	590.4
52.5°	588.4	489.9	382.7	286.2	371.7	383.6	436.3	514.8	516.8	523.8	556.5
55°	527.8	439.3	354.8	263.4	321.0	346.9	394.6	482.0	486.0	493.0	522.8
57.5°	472.1	365.8	348.9	236.5	274.4	299.2	357.9	450.2	452.2	458.2	487.0
60°	412.5	264.4	320.0	207.7	233.6	252.4	324.0	412.5	419.4	423.4	448.3
62.5°	344.9	191.9	290.2	187.8	213.7	217.7	296.2	376.7	385.6	388.6	403.5
65°	245.5	161.0	246.5	170.9	192.9	193.8	266.4	339.9	347.9	352.8	363.8
67.5°	166.0	131.2	187.8	155.0	177.0	177.9	237.5	297.2	308.2	312.1	319.0
70°	115.3	87.4	139.1	138.1	159.1	161.0	206.7	258.5	268.3	271.3	275.4
72.5°	84.5	70.5	115.3	124.2	140.1	142.2	175.0	214.7	224.7	227.6	229.6
75°	64.6	74.5	93.5	108.4	119.3	120.2	143.2	175.0	181.9	183.9	184.9
77.5°	51.7	69.6	68.6	87.4	97.4	95.4	112.3	135.2	141.1	141.1	141.1
80°	38.7	54.6	51.7	62.6	71.5	69.6	80.5	96.4	98.4	100.4	99.4
82.5°	28.8	34.8	34.8	39.7	47.7	45.7	53.6	62.6	62.6	62.6	64.6
85°	17.9	19.9	15.9	20.8	26.9	25.9	29.8	33.8	34.8	34.8	32.8
87.5°	11.0	9.0	4.9	7.9	12.0	12.0	13.9	14.9	13.9	13.9	13.9
90°	24.0	16.7	9.3	16.7	24.0	25.9	40.7	60.4	70.2	62.4	46.8
92.5°	162.7	99.8	37.0	99.8	162.7	178.4	250.9	347.4	395.6	346.7	249.0
95°	318.8	203.7	88.7	203.7	318.8	347.6	617.2	976.6	1156.4	1031.9	782.9
97.5°	356.4	254.9	153.4	254.9	356.4	381.8	831.3	1430.7	1730.4	1651.7	1494.4
100°	387.4	295.4	203.3	295.4	387.4	410.4	909.3	1574.4	1906.9	1912.7	1924.2
102.5°	417.6	331.8	245.9	331.8	417.6	439.1	945.0	1619.5	1956.8	2057.0	2257.5
105°	463.4	390.7	317.9	390.7	463.4	481.6	971.5	1624.7	1951.3	2176.0	2625.4
107.5°	527.5	459.7	391.9	459.7	527.5	544.4	976.3	1552.3	1840.3	2153.8	2780.7
110°	564.2	503.1	441.8	503.1	564.2	579.6	969.0	1488.2	1747.9	2098.3	2799.2



TEST NUMBER: P935819

CATALOG NUMBER: SQ4-FA-150U-050D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	607.4	549.1	490.8	549.1	607.4	622.0	969.3	1432.3	1663.8	2022.4	2739.7
115°	672.4	618.6	564.7	618.6	672.4	685.9	978.2	1368.1	1563.0	1908.5	2599.5
117.5°	735.6	686.7	637.8	686.7	735.6	747.8	996.5	1328.0	1493.8	1805.6	2429.1
120°	772.4	726.4	680.3	726.4	772.4	783.9	1011.2	1314.4	1466.0	1750.9	2320.7
122.5°	814.8	768.4	721.9	768.4	814.8	826.4	1032.5	1307.3	1444.8	1701.3	2214.4
125°	870.3	827.9	785.7	827.9	870.3	880.9	1061.1	1301.5	1421.6	1639.6	2075.4
127.5°	922.9	880.1	837.4	880.1	922.9	933.6	1089.8	1298.0	1402.2	1589.3	1963.6
130°	957.3	911.2	865.2	911.2	957.3	968.7	1110.8	1300.2	1394.9	1561.4	1894.6
132.5°	985.9	939.9	893.8	939.9	985.9	997.4	1127.7	1301.5	1388.3	1537.4	1835.7
135°	1020.2	978.2	936.3	978.2	1020.2	1030.7	1146.2	1300.2	1377.3	1502.2	1751.9
137.5°	1062.8	1021.3	979.8	1021.3	1062.8	1073.2	1173.9	1308.2	1375.4	1481.0	1692.1
140°	1092.2	1054.1	1015.9	1054.1	1092.2	1101.8	1190.8	1309.6	1369.0	1460.2	1642.6
142.5°	1114.3	1078.9	1043.5	1078.9	1114.3	1123.1	1205.1	1314.3	1369.0	1449.1	1609.3
145°	1147.8	1116.9	1086.1	1116.9	1147.8	1155.5	1223.5	1314.3	1359.7	1425.2	1556.3
147.5°	1188.6	1158.6	1128.6	1158.6	1188.6	1196.1	1250.6	1323.3	1359.7	1411.3	1514.3
150°	1210.5	1183.4	1156.4	1183.4	1210.5	1217.3	1264.7	1328.1	1359.7	1403.3	1490.3
152.5°	1226.1	1205.6	1185.0	1205.6	1226.1	1231.2	1274.0	1331.1	1359.7	1396.8	1471.2
155°	1257.9	1242.7	1227.5	1242.7	1257.9	1261.7	1294.4	1337.9	1359.7	1389.2	1448.4
157.5°	1288.5	1273.7	1258.9	1273.7	1288.5	1292.2	1314.7	1344.7	1359.7	1382.7	1428.7
160°	1303.2	1291.7	1280.3	1291.7	1303.2	1306.0	1323.9	1347.7	1359.7	1379.4	1418.9
162.5°	1318.7	1310.1	1301.5	1310.1	1318.7	1320.9	1333.8	1351.1	1359.7	1376.3	1409.6
165°	1340.1	1332.4	1324.6	1332.4	1340.1	1342.1	1347.9	1355.7	1359.7	1371.6	1395.5
167.5°	1353.3	1349.5	1345.9	1349.5	1353.3	1354.2	1359.1	1365.7	1369.0	1376.8	1392.4
170°	1367.1	1363.3	1359.7	1363.3	1367.1	1368.0	1368.3	1368.8	1369.0	1376.8	1392.4
172.5°	1368.8	1367.9	1367.1	1367.9	1368.8	1369.0	1369.0	1369.0	1369.0	1375.1	1387.4
175°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1374.5	1370.8	1372.8	1380.6
177.5°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1375.1	1372.2	1370.8	1380.0
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



TEST NUMBER: P935819
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5	1050.5
2.5°	1013.8	1010.8	1014.8	1003.8	1014.8	1010.8	1013.8	1020.7	1014.8	1018.7	1022.8
5°	889.6	884.6	868.6	855.7	868.6	884.6	889.6	910.4	920.3	938.2	962.1
7.5°	795.1	791.2	787.1	779.2	787.1	791.2	795.1	801.1	811.0	827.0	844.8
10°	774.3	775.3	781.2	780.2	781.2	775.3	774.3	772.2	769.3	772.2	783.2
12.5°	827.9	836.8	869.6	867.7	869.6	836.8	827.9	788.1	761.4	756.3	758.4
15°	889.6	892.6	899.5	900.5	899.5	892.6	889.6	873.7	793.2	758.4	747.4
17.5°	895.5	896.5	901.5	901.5	901.5	896.5	895.5	888.5	861.7	815.0	753.4
20°	890.6	892.6	902.4	904.4	902.4	892.6	890.6	881.6	866.7	849.8	803.0
22.5°	888.5	892.6	900.5	899.5	900.5	892.6	888.5	874.7	861.7	849.8	830.9
25°	878.6	878.6	879.6	880.6	879.6	878.6	878.6	867.7	841.9	838.8	827.9
27.5°	857.8	859.8	865.7	864.7	865.7	859.8	857.8	853.7	826.0	823.0	815.0
30°	838.8	836.8	831.9	827.9	831.9	836.8	838.8	832.9	805.0	797.1	799.1
32.5°	807.1	802.1	797.1	794.2	797.1	802.1	807.1	805.0	784.2	773.3	775.3
35°	769.3	770.2	769.3	766.3	769.3	770.2	769.3	771.2	758.4	748.4	747.4
37.5°	742.5	744.5	743.5	739.4	743.5	744.5	742.5	740.5	722.5	719.6	721.5
40°	714.6	715.6	714.6	711.7	714.6	715.6	714.6	710.7	685.8	686.8	693.8
42.5°	687.7	686.8	683.8	681.8	683.8	686.8	687.7	681.8	650.0	647.0	660.0
45°	657.0	658.0	652.0	649.0	652.0	658.0	657.0	653.0	620.2	612.3	621.2
47.5°	626.2	626.2	621.2	618.2	621.2	626.2	626.2	621.2	586.4	578.5	583.4
50°	593.4	592.4	585.4	584.4	585.4	592.4	593.4	590.4	553.6	546.7	546.7
52.5°	555.6	555.6	556.5	558.6	556.5	555.6	555.6	556.5	523.8	516.8	514.8
55°	522.8	523.8	530.8	532.7	530.8	523.8	522.8	522.8	493.0	486.0	482.0
57.5°	489.0	489.0	494.0	494.0	494.0	489.0	489.0	487.0	458.2	452.2	450.2
60°	450.2	452.2	456.2	455.2	456.2	452.2	450.2	448.3	423.4	419.4	412.5
62.5°	409.5	411.5	412.5	410.5	412.5	411.5	409.5	403.5	388.6	385.6	376.7
65°	366.7	368.7	369.7	367.7	369.7	368.7	366.7	363.8	352.8	347.9	339.9
67.5°	323.0	322.0	321.0	325.1	321.0	322.0	323.0	319.0	312.1	308.2	297.2
70°	278.3	278.3	277.3	279.3	277.3	278.3	278.3	275.4	271.3	268.3	258.5
72.5°	230.6	229.6	233.6	230.6	233.6	229.6	230.6	229.6	227.6	224.7	214.7
75°	183.9	185.8	183.9	186.8	183.9	185.8	183.9	184.9	183.9	181.9	175.0
77.5°	140.1	142.2	140.1	140.1	140.1	142.2	140.1	141.1	141.1	141.1	135.2
80°	99.4	98.4	98.4	97.4	98.4	98.4	99.4	99.4	100.4	98.4	96.4
82.5°	63.6	62.6	62.6	64.6	62.6	62.6	63.6	64.6	62.6	62.6	62.6
85°	34.8	35.8	33.8	33.8	33.8	35.8	34.8	32.8	34.8	34.8	33.8
87.5°	12.9	12.0	12.0	12.0	12.0	12.0	12.9	13.9	13.9	13.9	14.9
90°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	46.8	62.4	70.2	60.4
92.5°	175.7	168.7	140.7	112.7	140.7	168.7	175.7	249.0	346.7	395.6	347.4
95°	596.2	575.0	490.3	405.8	490.3	575.0	596.2	782.9	1031.9	1156.4	976.6
97.5°	1376.4	1336.1	1175.0	1014.0	1175.0	1336.1	1376.4	1494.4	1651.7	1730.4	1430.7
100°	1932.8	1884.9	1693.0	1501.2	1693.0	1884.9	1932.8	1924.2	1912.7	1906.9	1574.4
102.5°	2407.9	2366.8	2202.4	2038.1	2202.4	2366.8	2407.9	2257.5	2057.0	1956.8	1619.5
105°	2962.5	2940.4	2852.1	2763.7	2852.1	2940.4	2962.5	2625.4	2176.0	1951.3	1624.7
107.5°	3250.9	3256.3	3277.6	3298.9	3277.6	3256.3	3250.9	2780.7	2153.8	1840.3	1552.3
110°	3324.8	3347.8	3439.8	3531.9	3439.8	3347.8	3324.8	2799.2	2098.3	1747.9	1488.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3277.7	3313.1	3454.3	3595.6	3454.3	3313.1	3277.7	2739.7	2022.4	1663.8	1432.3
115°	3117.7	3166.7	3362.7	3558.7	3362.7	3166.7	3117.7	2599.5	1908.5	1563.0	1368.1
117.5°	2896.8	2951.2	3168.5	3385.9	3168.5	2951.2	2896.8	2429.1	1805.6	1493.8	1328.0
120°	2748.0	2800.8	3012.0	3223.2	3012.0	2800.8	2748.0	2320.7	1750.9	1466.0	1314.4
122.5°	2599.2	2651.3	2859.6	3067.8	2859.6	2651.3	2599.2	2214.4	1701.3	1444.8	1307.3
125°	2402.3	2450.2	2642.1	2834.0	2642.1	2450.2	2402.3	2075.4	1639.6	1421.6	1301.5
127.5°	2244.2	2284.8	2446.6	2608.5	2446.6	2284.8	2244.2	1963.6	1589.3	1402.2	1298.0
130°	2144.5	2181.8	2331.4	2480.9	2331.4	2181.8	2144.5	1894.6	1561.4	1394.9	1300.2
132.5°	2059.4	2092.9	2226.8	2360.7	2226.8	2092.9	2059.4	1835.7	1537.4	1388.3	1301.5
135°	1939.2	1968.1	2083.6	2199.0	2083.6	1968.1	1939.2	1751.9	1502.2	1377.3	1300.2
137.5°	1850.5	1874.1	1968.7	2063.1	1968.7	1874.1	1850.5	1692.1	1481.0	1375.4	1308.2
140°	1779.4	1801.4	1889.7	1978.1	1889.7	1801.4	1779.4	1642.6	1460.2	1369.0	1309.6
142.5°	1729.4	1748.4	1824.4	1900.4	1824.4	1748.4	1729.4	1609.3	1449.1	1369.0	1314.3
145°	1654.6	1668.9	1726.4	1783.9	1726.4	1668.9	1654.6	1556.3	1425.2	1359.7	1314.3
147.5°	1591.7	1603.6	1651.2	1699.0	1651.2	1603.6	1591.7	1514.3	1411.3	1359.7	1323.3
150°	1555.6	1565.3	1603.9	1642.6	1603.9	1565.3	1555.6	1490.3	1403.3	1359.7	1328.1
152.5°	1527.0	1534.3	1563.4	1592.7	1563.4	1534.3	1527.0	1471.2	1396.8	1359.7	1331.1
155°	1492.8	1497.6	1516.9	1536.2	1516.9	1497.6	1492.8	1448.4	1389.2	1359.7	1337.9
157.5°	1463.2	1466.6	1480.2	1493.8	1480.2	1466.6	1463.2	1428.7	1382.7	1359.7	1344.7
160°	1448.4	1450.4	1458.2	1466.0	1458.2	1450.4	1448.4	1418.9	1379.4	1359.7	1347.7
162.5°	1434.6	1436.5	1443.8	1451.2	1443.8	1436.5	1434.6	1409.6	1376.3	1359.7	1351.1
165°	1413.3	1415.3	1423.0	1430.8	1423.0	1415.3	1413.3	1395.5	1371.6	1359.7	1355.7
167.5°	1404.0	1404.8	1408.2	1411.5	1408.2	1404.8	1404.0	1392.4	1376.8	1369.0	1365.7
170°	1404.0	1404.0	1404.0	1404.0	1404.0	1404.0	1404.0	1392.4	1376.8	1369.0	1368.8
172.5°	1396.6	1395.9	1393.1	1390.2	1393.1	1395.9	1396.6	1387.4	1375.1	1369.0	1369.0
175°	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1380.6	1372.8	1369.0	1370.8
177.5°	1384.7	1383.9	1380.5	1377.3	1380.5	1383.9	1384.7	1380.0	1373.8	1370.8	1372.2
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1050.5	1050.5	1050.5	1050.5	1050.5
2.5°	1037.6	1042.6	1045.6	1049.6	1059.5
5°	997.9	1016.8	1022.8	1037.6	1055.5
7.5°	910.4	968.0	983.9	1019.7	1047.6
10°	826.0	883.6	911.4	995.9	1037.6
12.5°	783.2	817.0	835.8	954.1	1023.8
15°	756.3	780.2	794.2	898.5	1007.9
17.5°	735.5	752.4	762.3	843.9	985.9
20°	722.5	730.5	739.4	804.0	961.1
22.5°	713.6	708.7	715.6	776.3	927.3
25°	707.7	688.7	696.7	754.3	887.5
27.5°	712.6	670.9	673.9	734.5	845.8
30°	713.6	649.0	650.0	713.6	799.1
32.5°	706.7	626.2	627.2	687.7	746.4
35°	689.7	599.3	598.3	658.0	674.9
37.5°	666.9	570.5	570.5	625.2	596.4
40°	639.0	541.7	544.7	582.4	526.8
42.5°	605.2	510.9	514.8	525.8	475.1
45°	568.5	481.1	484.0	444.3	435.3
47.5°	527.8	450.2	451.2	368.7	422.4
50°	479.1	418.4	414.5	316.1	421.4
52.5°	436.3	383.6	371.7	286.2	382.7
55°	394.6	346.9	321.0	263.4	354.8
57.5°	357.9	299.2	274.4	236.5	348.9
60°	324.0	252.4	233.6	207.7	320.0
62.5°	296.2	217.7	213.7	187.8	290.2
65°	266.4	193.8	192.9	170.9	246.5
67.5°	237.5	177.9	177.0	155.0	187.8
70°	206.7	161.0	159.1	138.1	139.1
72.5°	175.0	142.2	140.1	124.2	115.3
75°	143.2	120.2	119.3	108.4	93.5
77.5°	112.3	95.4	97.4	87.4	68.6
80°	80.5	69.6	71.5	62.6	51.7
82.5°	53.6	45.7	47.7	39.7	34.8
85°	29.8	25.9	26.9	20.8	15.9
87.5°	13.9	12.0	12.0	7.9	4.9
90°	40.7	25.9	24.0	16.7	9.3
92.5°	250.9	178.4	162.7	99.8	37.0
95°	617.2	347.6	318.8	203.7	88.7
97.5°	831.3	381.8	356.4	254.9	153.4
100°	909.3	410.4	387.4	295.4	203.3
102.5°	945.0	439.1	417.6	331.8	245.9
105°	971.5	481.6	463.4	390.7	317.9
107.5°	976.3	544.4	527.5	459.7	391.9
110°	969.0	579.6	564.2	503.1	441.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	969.3	622.0	607.4	549.1	490.8
115°	978.2	685.9	672.4	618.6	564.7
117.5°	996.5	747.8	735.6	686.7	637.8
120°	1011.2	783.9	772.4	726.4	680.3
122.5°	1032.5	826.4	814.8	768.4	721.9
125°	1061.1	880.9	870.3	827.9	785.7
127.5°	1089.8	933.6	922.9	880.1	837.4
130°	1110.8	968.7	957.3	911.2	865.2
132.5°	1127.7	997.4	985.9	939.9	893.8
135°	1146.2	1030.7	1020.2	978.2	936.3
137.5°	1173.9	1073.2	1062.8	1021.3	979.8
140°	1190.8	1101.8	1092.2	1054.1	1015.9
142.5°	1205.1	1123.1	1114.3	1078.9	1043.5
145°	1223.5	1155.5	1147.8	1116.9	1086.1
147.5°	1250.6	1196.1	1188.6	1158.6	1128.6
150°	1264.7	1217.3	1210.5	1183.4	1156.4
152.5°	1274.0	1231.2	1226.1	1205.6	1185.0
155°	1294.4	1261.7	1257.9	1242.7	1227.5
157.5°	1314.7	1292.2	1288.5	1273.7	1258.9
160°	1323.9	1306.0	1303.2	1291.7	1280.3
162.5°	1333.8	1320.9	1318.7	1310.1	1301.5
165°	1347.9	1342.1	1340.1	1332.4	1324.6
167.5°	1359.1	1354.2	1353.3	1349.5	1345.9
170°	1368.3	1368.0	1367.1	1363.3	1359.7
172.5°	1369.0	1369.0	1368.8	1367.9	1367.1
175°	1374.5	1377.3	1377.3	1377.3	1377.3
177.5°	1375.1	1377.3	1377.3	1377.3	1377.3
180°	1377.3	1377.3	1377.3	1377.3	1377.3



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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	8.10	8.76	9.25	9.90	11.51	10.92	11.58	12.08	12.73	14.33
	3H	8.56	9.15	9.72	10.30	11.92	12.25	12.84	13.41	13.99	15.62
	4H	8.74	9.30	9.91	10.46	12.08	12.68	13.25	13.85	14.40	16.02
	6H	8.85	9.37	10.03	10.52	12.16	12.95	13.47	14.13	14.63	16.26
	8H	8.84	9.34	10.03	10.51	12.13	13.02	13.52	14.21	14.69	16.31
	12H	8.81	9.28	9.99	10.44	12.09	13.05	13.52	14.24	14.68	16.34
4H	2H	9.10	9.67	10.28	10.82	12.44	11.30	11.87	12.49	13.02	14.65
	3H	10.11	10.58	11.30	11.76	13.40	12.79	13.26	13.97	14.44	16.08
	4H	10.38	10.81	11.56	11.98	13.63	13.31	13.74	14.49	14.91	16.56
	6H	10.49	10.86	11.68	12.05	13.70	13.66	14.03	14.85	15.22	16.86
	8H	10.49	10.84	11.68	12.02	13.68	13.76	14.11	14.95	15.29	16.95
	12H	10.45	10.76	11.66	11.95	13.62	13.81	14.12	15.01	15.31	16.98
8H	4H	10.81	11.16	12.00	12.34	14.00	13.42	13.76	14.61	14.94	16.60
	6H	11.07	11.35	12.28	12.57	14.23	13.84	14.13	15.05	15.35	17.01
	8H	11.11	11.36	12.32	12.55	14.23	13.99	14.24	15.21	15.44	17.12
	12H	11.08	11.30	12.30	12.50	14.21	14.08	14.30	15.30	15.49	17.21
12H	4H	10.81	11.13	12.02	12.31	13.98	13.37	13.69	14.58	14.88	16.54
	6H	11.13	11.38	12.34	12.57	14.25	13.84	14.09	15.05	15.29	16.97
	8H	11.18	11.40	12.40	12.60	14.31	13.99	14.21	15.21	15.40	17.11