

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: P935924

Luminaire Tested: SQ4-FA-150U-075D-927-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

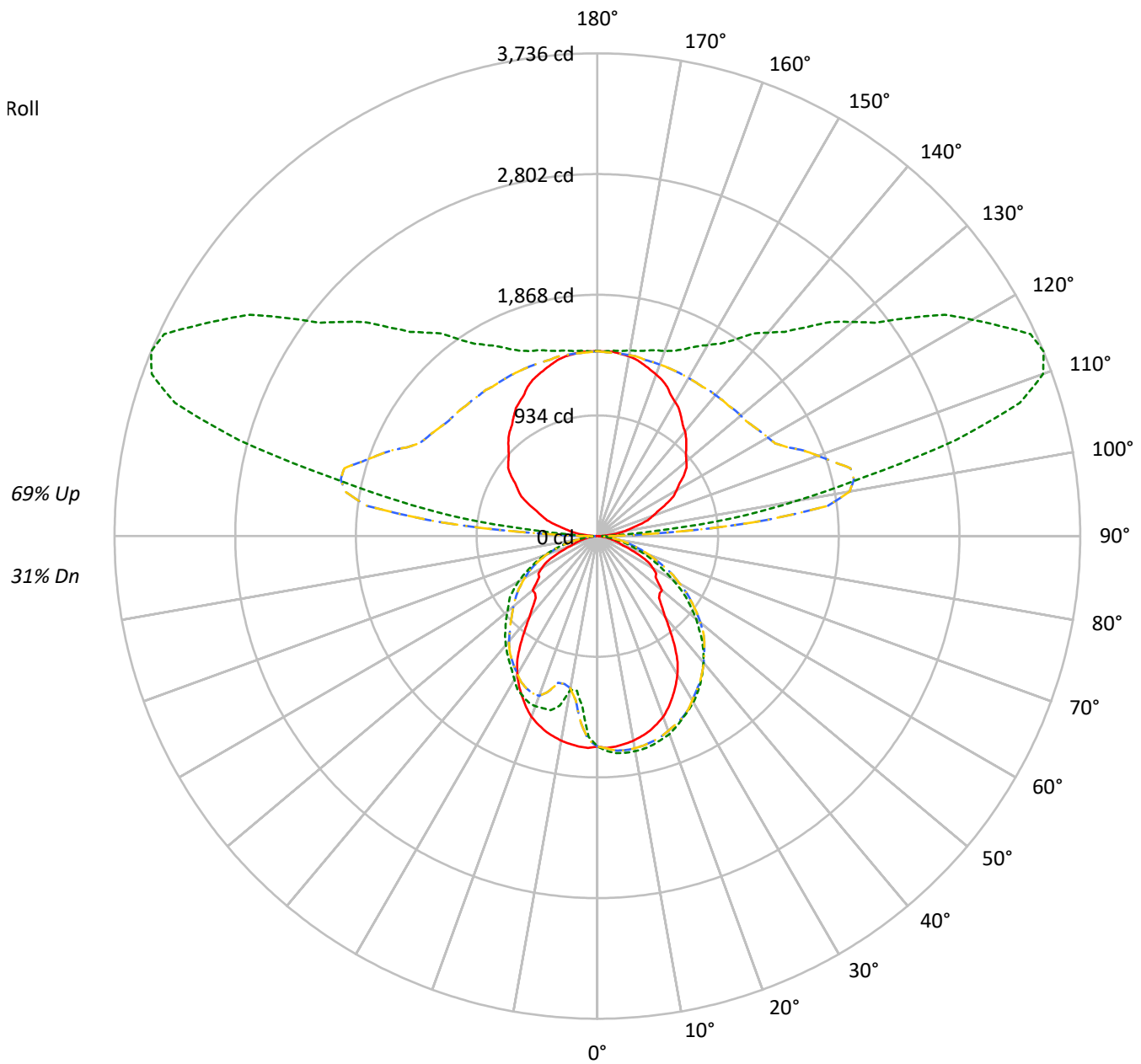
Test Method: LM-79-2019  
Report Number: P935924  
REPORT IS A COMBINATION OF REPORTS P933776 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-075D-927-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13503.5 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 127.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - · - 135°-315°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

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

	0°	90°	180°	270°
0°	7552	7552	7552	7552
5°	7608	7623	7608	5994
10°	7558	7509	7558	5368
15°	7475	7347	7475	6135
20°	7319	7154	7319	6147
25°	6999	6873	6999	6017
30°	6585	6639	6585	5731
35°	5871	6344	5871	5417
40°	4892	5997	4892	5179
45°	4371	5590	4371	4906
50°	4644	5104	4644	4632
55°	4369	4582	4369	4474
60°	4504	3892	4504	4097
65°	4083	3217	4083	3596
70°	2828	2564	2828	3014
75°	2480	1895	2480	2269
80°	1998	1253	1998	1364
85°	1146	664	1146	565

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 6699 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.9	1.1
10°-20°	417.2	3.1
20°-30°	644.9	4.8
30°-40°	769.8	5.7
40°-50°	774.3	5.7
50°-60°	673.8	5.0
60°-70°	477.7	3.5
70°-80°	252.7	1.9
80°-90°	68.4	0.5
90°-100°	697.6	5.2
100°-110°	1834.1	13.6
110°-120°	1901.7	14.1
120°-130°	1525.4	11.3
130°-140°	1196.9	8.9
140°-150°	918.7	6.8
150°-160°	661.6	4.9
160°-170°	404.8	3.0
170°-180°	136.8	1.0
0°-30°	1209.0	9.0
0°-40°	1978.8	14.7
0°-60°	3426.9	25.4
0°-90°	4225.8	31.3
90°-120°	4433.5	32.8
90°-150°	8074.5	59.8
90°-180°	9278.0	68.7
0°-180°	13503.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1628	1628	1628	1628	1628	
5°	1635	1686	1635	1326	1635	155
15°	1562	1671	1562	1395	1562	439
25°	1375	1558	1375	1364	1375	631
35°	1046	1390	1046	1187	1046	647
45°	674	1146	674	1006	674	540
55°	550	846	550	825	550	505
65°	382	510	382	570	382	365
75°	145	242	145	290	145	152
85°	25	62	25	52	25	33
90°	10	36	10	36	10	9
95°	92	422	92	422	92	102
105°	330	2872	330	2872	330	350
115°	587	3698	587	3698	587	580
125°	816	2945	816	2945	816	725
135°	973	2285	973	2285	973	753
145°	1129	1854	1129	1854	1129	707
155°	1276	1596	1276	1596	1276	586
165°	1376	1487	1376	1487	1376	388
175°	1431	1441	1431	1441	1431	136
180°	1431	1431	1431	1431	1431	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1641.6	1641.6	1650.8	1653.9	1653.9	1649.3	1644.6	1649.3	1663.1	1667.7	1666.2
5°	1635.4	1647.7	1664.7	1667.7	1670.8	1669.3	1666.2	1669.3	1684.7	1687.8	1689.3
7.5°	1623.1	1646.2	1667.7	1672.4	1677.0	1672.4	1670.8	1673.9	1689.3	1692.4	1692.4
10°	1607.7	1640.0	1664.7	1667.7	1672.4	1667.7	1667.7	1673.9	1689.3	1692.4	1693.9
12.5°	1586.1	1630.8	1653.9	1657.0	1663.1	1661.6	1660.0	1666.2	1681.6	1684.7	1684.7
15°	1561.5	1613.8	1635.4	1638.5	1649.3	1646.2	1646.2	1652.3	1669.3	1673.9	1672.4
17.5°	1527.6	1592.3	1616.9	1621.5	1629.2	1627.7	1629.2	1635.4	1650.8	1653.9	1655.4
20°	1489.1	1563.0	1592.3	1596.9	1604.6	1604.6	1604.6	1612.3	1627.7	1633.9	1633.9
22.5°	1436.7	1532.2	1563.0	1566.1	1575.3	1575.3	1578.4	1589.2	1603.1	1604.6	1604.6
25°	1375.1	1498.3	1524.5	1533.8	1543.0	1547.6	1552.2	1558.4	1563.0	1561.5	1563.0
27.5°	1310.5	1455.2	1489.1	1495.3	1507.6	1512.2	1518.4	1519.9	1521.4	1526.1	1523.0
30°	1238.1	1395.2	1446.0	1452.1	1472.2	1475.2	1469.1	1472.2	1479.9	1482.9	1486.0
32.5°	1156.5	1305.8	1401.3	1415.2	1433.7	1424.4	1422.9	1427.5	1439.8	1439.8	1442.9
35°	1045.6	1236.5	1359.7	1372.1	1385.9	1375.1	1381.3	1382.8	1390.5	1395.2	1393.6
37.5°	923.9	1176.5	1316.6	1325.9	1336.6	1322.8	1332.0	1336.6	1342.8	1339.7	1339.7
40°	816.2	1082.5	1265.8	1272.0	1281.2	1270.4	1279.7	1282.7	1285.8	1282.7	1281.2
42.5°	736.1	979.4	1211.9	1219.6	1213.4	1221.1	1224.2	1230.4	1225.8	1219.6	1219.6
45°	674.5	951.6	1153.4	1162.6	1153.4	1165.7	1170.3	1170.3	1156.5	1153.4	1151.8
47.5°	654.5	896.3	1094.9	1094.9	1090.2	1105.6	1113.3	1102.6	1088.7	1084.1	1084.1
50°	653.0	834.7	1014.8	1008.6	1030.2	1048.7	1041.0	1030.2	1019.4	1002.5	1002.5
52.5°	592.9	759.2	911.7	934.7	968.6	979.4	967.0	956.3	937.8	930.1	923.9
55°	549.8	680.7	817.7	863.9	899.4	913.2	890.1	879.3	851.6	847.0	843.9
57.5°	540.5	566.7	731.5	790.0	833.1	831.6	817.7	797.7	774.6	770.0	768.5
60°	495.9	409.6	639.1	708.4	753.1	748.4	736.1	717.6	696.1	693.0	689.9
62.5°	449.7	297.2	534.4	612.9	676.1	674.5	663.7	636.0	620.6	612.9	606.8
65°	381.9	249.5	380.4	509.7	600.6	603.7	580.6	560.6	543.6	534.4	532.8
67.5°	291.1	203.3	257.2	425.0	528.2	525.1	495.9	486.6	465.1	460.5	451.2
70°	215.6	135.5	178.6	345.0	457.4	449.7	426.6	415.8	395.8	385.0	378.8
72.5°	178.6	109.3	130.9	268.0	385.0	375.8	355.7	343.4	326.5	317.2	311.1
75°	144.8	115.5	100.1	198.7	312.6	306.5	288.0	275.7	261.8	249.5	251.0
77.5°	106.3	107.8	80.1	146.3	247.9	238.7	227.9	212.5	206.4	194.0	194.0
80°	80.1	84.7	60.1	100.1	178.6	178.6	169.4	158.6	147.8	141.7	141.7
82.5°	53.9	53.9	44.7	63.1	121.7	117.0	110.9	107.8	101.6	98.6	98.6
85°	24.6	30.8	27.7	38.5	66.2	69.3	69.3	66.2	64.7	61.6	63.1
87.5°	7.7	13.9	16.9	21.6	33.9	35.4	37.0	37.0	37.0	38.5	38.5
90°	9.6	17.3	24.9	26.9	42.3	62.8	73.0	64.9	48.7	36.5	36.5
92.5°	38.4	103.7	169.1	185.4	260.6	361.0	411.1	360.3	258.7	182.5	175.3
95°	92.2	211.8	331.3	361.1	641.3	1014.8	1201.6	1072.2	813.6	619.5	597.5
97.5°	159.5	264.9	370.4	396.7	863.9	1486.7	1798.1	1716.3	1552.9	1430.2	1388.4
100°	211.3	306.9	402.6	426.5	944.9	1635.9	1981.5	1987.5	1999.5	2008.4	1958.6
102.5°	255.5	344.7	433.9	456.2	982.0	1682.9	2033.4	2137.6	2345.9	2502.1	2459.5
105°	330.4	405.9	481.6	500.4	1009.5	1688.2	2027.6	2261.2	2728.2	3078.5	3055.5
107.5°	407.3	477.7	548.1	565.7	1014.6	1613.2	1912.4	2238.1	2889.6	3378.1	3383.7
110°	459.2	522.8	586.4	602.2	1006.9	1546.5	1816.4	2180.5	2908.8	3455.0	3478.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	510.0	570.6	631.2	646.4	1007.2	1488.3	1728.9	2101.6	2846.9	3405.9	3442.7
115°	586.9	642.8	698.7	712.7	1016.6	1421.7	1624.2	1983.2	2701.2	3239.8	3290.7
117.5°	662.7	713.6	764.4	777.1	1035.4	1379.9	1552.2	1876.2	2524.2	3010.2	3066.7
120°	706.9	754.8	802.6	814.5	1050.8	1365.8	1523.4	1819.4	2411.6	2855.6	2910.4
122.5°	750.1	798.4	846.6	858.7	1072.9	1358.5	1501.3	1767.8	2301.1	2700.9	2755.1
125°	816.4	860.4	904.4	915.4	1102.6	1352.4	1477.2	1703.7	2156.6	2496.3	2546.2
127.5°	870.3	914.6	959.0	970.1	1132.4	1348.9	1457.1	1651.5	2040.4	2332.1	2374.1
130°	899.1	946.9	994.7	1006.6	1154.2	1351.0	1449.4	1622.5	1968.7	2228.4	2267.3
132.5°	928.9	976.7	1024.5	1036.4	1171.9	1352.4	1442.7	1597.6	1907.5	2140.0	2174.8
135°	973.0	1016.6	1060.1	1071.0	1191.0	1351.1	1431.1	1560.9	1820.5	2015.2	2045.1
137.5°	1018.2	1061.3	1104.3	1115.1	1219.8	1359.4	1429.3	1539.0	1758.4	1922.9	1947.5
140°	1055.6	1095.3	1135.0	1144.9	1237.5	1360.8	1422.5	1517.3	1706.9	1849.0	1871.9
142.5°	1084.4	1121.1	1157.8	1167.0	1252.2	1365.7	1422.5	1505.7	1672.2	1797.1	1816.8
145°	1128.6	1160.6	1192.7	1200.7	1271.4	1365.7	1412.9	1480.9	1617.2	1719.3	1734.3
147.5°	1172.8	1204.0	1235.2	1242.9	1299.6	1375.1	1412.9	1466.5	1573.6	1654.0	1666.4
150°	1201.6	1229.8	1257.9	1265.0	1314.2	1380.0	1412.9	1458.1	1548.6	1616.5	1626.5
152.5°	1231.4	1252.7	1274.1	1279.4	1323.9	1383.2	1412.9	1451.5	1528.8	1586.7	1594.3
155°	1275.6	1291.4	1307.2	1311.1	1345.0	1390.2	1412.9	1443.6	1505.1	1551.2	1556.2
157.5°	1308.2	1323.6	1339.0	1342.8	1366.1	1397.3	1412.9	1436.8	1484.6	1520.5	1524.1
160°	1330.3	1342.3	1354.2	1357.2	1375.8	1400.5	1412.9	1433.4	1474.4	1505.1	1507.1
162.5°	1352.4	1361.4	1370.4	1372.6	1386.0	1403.9	1412.9	1430.2	1464.8	1490.7	1492.6
165°	1376.4	1384.5	1392.6	1394.6	1400.7	1408.8	1412.9	1425.3	1450.1	1468.6	1470.6
167.5°	1398.5	1402.3	1406.2	1407.2	1412.3	1419.1	1422.5	1430.6	1446.8	1459.0	1459.8
170°	1412.9	1416.7	1420.6	1421.6	1421.9	1422.3	1422.5	1430.6	1446.8	1459.0	1459.0
172.5°	1420.6	1421.4	1422.3	1422.5	1422.5	1422.5	1422.5	1428.9	1441.7	1451.3	1450.5
175°	1431.1	1431.1	1431.1	1431.1	1428.3	1424.4	1422.5	1426.6	1434.7	1440.7	1440.7
177.5°	1431.1	1431.1	1431.1	1431.1	1428.9	1425.9	1424.4	1427.7	1434.0	1438.8	1438.0
180°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1669.3	1664.7	1669.3	1666.2	1667.7	1663.1	1649.3	1644.6	1649.3	1653.9	1653.9
5°	1689.3	1686.2	1689.3	1689.3	1687.8	1684.7	1669.3	1666.2	1669.3	1670.8	1667.7
7.5°	1695.5	1690.8	1695.5	1692.4	1692.4	1689.3	1673.9	1670.8	1672.4	1677.0	1672.4
10°	1695.5	1690.8	1695.5	1693.9	1692.4	1689.3	1673.9	1667.7	1667.7	1672.4	1667.7
12.5°	1687.8	1684.7	1687.8	1684.7	1684.7	1681.6	1666.2	1660.0	1661.6	1663.1	1657.0
15°	1675.4	1670.8	1675.4	1672.4	1673.9	1669.3	1652.3	1646.2	1646.2	1649.3	1638.5
17.5°	1657.0	1650.8	1657.0	1655.4	1653.9	1650.8	1635.4	1629.2	1627.7	1629.2	1621.5
20°	1635.4	1630.8	1635.4	1633.9	1633.9	1627.7	1612.3	1604.6	1604.6	1604.6	1596.9
22.5°	1601.5	1596.9	1601.5	1604.6	1604.6	1603.1	1589.2	1578.4	1575.3	1575.3	1566.1
25°	1563.0	1558.4	1563.0	1563.0	1561.5	1563.0	1558.4	1552.2	1547.6	1543.0	1533.8
27.5°	1526.1	1523.0	1526.1	1523.0	1526.1	1521.4	1519.9	1518.4	1512.2	1507.6	1495.3
30°	1489.1	1486.0	1489.1	1486.0	1482.9	1479.9	1472.2	1469.1	1475.2	1472.2	1452.1
32.5°	1442.9	1439.8	1442.9	1442.9	1439.8	1439.8	1427.5	1422.9	1424.4	1433.7	1415.2
35°	1395.2	1390.5	1395.2	1393.6	1395.2	1390.5	1382.8	1381.3	1375.1	1385.9	1372.1
37.5°	1339.7	1335.1	1339.7	1339.7	1339.7	1342.8	1336.6	1332.0	1322.8	1336.6	1325.9
40°	1282.7	1276.6	1282.7	1281.2	1282.7	1285.8	1282.7	1279.7	1270.4	1281.2	1272.0
42.5°	1218.1	1216.5	1218.1	1219.6	1219.6	1225.8	1230.4	1224.2	1221.1	1213.4	1219.6
45°	1148.8	1145.7	1148.8	1151.8	1153.4	1156.5	1170.3	1170.3	1165.7	1153.4	1162.6
47.5°	1074.8	1067.1	1074.8	1084.1	1084.1	1088.7	1102.6	1113.3	1105.6	1090.2	1094.9
50°	996.3	997.8	996.3	1002.5	1002.5	1019.4	1030.2	1041.0	1048.7	1030.2	1008.6
52.5°	919.3	917.8	919.3	923.9	930.1	937.8	956.3	967.0	979.4	968.6	934.7
55°	842.4	845.5	842.4	843.9	847.0	851.6	879.3	890.1	913.2	899.4	863.9
57.5°	765.4	760.8	765.4	768.5	770.0	774.6	797.7	817.7	831.6	833.1	790.0
60°	676.1	669.9	676.1	689.9	693.0	696.1	717.6	736.1	748.4	753.1	708.4
62.5°	597.5	586.7	597.5	606.8	612.9	620.6	636.0	663.7	674.5	676.1	612.9
65°	514.4	509.7	514.4	532.8	534.4	543.6	560.6	580.6	603.7	600.6	509.7
67.5°	438.9	438.9	438.9	451.2	460.5	465.1	486.6	495.9	525.1	528.2	425.0
70°	369.6	368.1	369.6	378.8	385.0	395.8	415.8	426.6	449.7	457.4	345.0
72.5°	303.4	301.8	303.4	311.1	317.2	326.5	343.4	355.7	375.8	385.0	268.0
75°	244.9	241.8	244.9	251.0	249.5	261.8	275.7	288.0	306.5	312.6	198.7
77.5°	187.9	187.9	187.9	194.0	194.0	206.4	212.5	227.9	238.7	247.9	146.3
80°	140.1	138.6	140.1	141.7	141.7	147.8	158.6	169.4	178.6	178.6	100.1
82.5°	98.6	95.5	98.6	98.6	98.6	101.6	107.8	110.9	117.0	121.7	63.1
85°	61.6	61.6	61.6	63.1	61.6	64.7	66.2	69.3	69.3	66.2	38.5
87.5°	40.0	38.5	40.0	38.5	38.5	37.0	37.0	37.0	35.4	33.9	21.6
90°	36.5	36.5	36.5	36.5	36.5	48.7	64.9	73.0	62.8	42.3	26.9
92.5°	146.2	117.2	146.2	175.3	182.5	258.7	360.3	411.1	361.0	260.6	185.4
95°	509.6	421.7	509.6	597.5	619.5	813.6	1072.2	1201.6	1014.8	641.3	361.1
97.5°	1221.0	1053.7	1221.0	1388.4	1430.2	1552.9	1716.3	1798.1	1486.7	863.9	396.7
100°	1759.2	1559.9	1759.2	1958.6	2008.4	1999.5	1987.5	1981.5	1635.9	944.9	426.5
102.5°	2288.7	2118.0	2288.7	2459.5	2502.1	2345.9	2137.6	2033.4	1682.9	982.0	456.2
105°	2963.7	2871.9	2963.7	3055.5	3078.5	2728.2	2261.2	2027.6	1688.2	1009.5	500.4
107.5°	3405.9	3428.0	3405.9	3383.7	3378.1	2889.6	2238.1	1912.4	1613.2	1014.6	565.7
110°	3574.5	3670.1	3574.5	3478.9	3455.0	2908.8	2180.5	1816.4	1546.5	1006.9	602.2





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3589.5	3736.3	3589.5	3442.7	3405.9	2846.9	2101.6	1728.9	1488.3	1007.2	646.4
115°	3494.3	3697.9	3494.3	3290.7	3239.8	2701.2	1983.2	1624.2	1421.7	1016.6	712.7
117.5°	3292.5	3518.4	3292.5	3066.7	3010.2	2524.2	1876.2	1552.2	1379.9	1035.4	777.1
120°	3129.9	3349.3	3129.9	2910.4	2855.6	2411.6	1819.4	1523.4	1365.8	1050.8	814.5
122.5°	2971.5	3188.0	2971.5	2755.1	2700.9	2301.1	1767.8	1501.3	1358.5	1072.9	858.7
125°	2745.6	2944.9	2745.6	2546.2	2496.3	2156.6	1703.7	1477.2	1352.4	1102.6	915.4
127.5°	2542.4	2710.6	2542.4	2374.1	2332.1	2040.4	1651.5	1457.1	1348.9	1132.4	970.1
130°	2422.7	2578.0	2422.7	2267.3	2228.4	1968.7	1622.5	1449.4	1351.0	1154.2	1006.6
132.5°	2313.9	2453.1	2313.9	2174.8	2140.0	1907.5	1597.6	1442.7	1352.4	1171.9	1036.4
135°	2165.1	2285.1	2165.1	2045.1	2015.2	1820.5	1560.9	1431.1	1351.1	1191.0	1071.0
137.5°	2045.7	2143.8	2045.7	1947.5	1922.9	1758.4	1539.0	1429.3	1359.4	1219.8	1115.1
140°	1963.7	2055.5	1963.7	1871.9	1849.0	1706.9	1517.3	1422.5	1360.8	1237.5	1144.9
142.5°	1895.8	1974.8	1895.8	1816.8	1797.1	1672.2	1505.7	1422.5	1365.7	1252.2	1167.0
145°	1794.0	1853.8	1794.0	1734.3	1719.3	1617.2	1480.9	1412.9	1365.7	1271.4	1200.7
147.5°	1715.9	1765.4	1715.9	1666.4	1654.0	1573.6	1466.5	1412.9	1375.1	1299.6	1242.9
150°	1666.7	1706.9	1666.7	1626.5	1616.5	1548.6	1458.1	1412.9	1380.0	1314.2	1265.0
152.5°	1624.6	1655.0	1624.6	1594.3	1586.7	1528.8	1451.5	1412.9	1383.2	1323.9	1279.4
155°	1576.3	1596.4	1576.3	1556.2	1551.2	1505.1	1443.6	1412.9	1390.2	1345.0	1311.1
157.5°	1538.1	1552.2	1538.1	1524.1	1520.5	1484.6	1436.8	1412.9	1397.3	1366.1	1342.8
160°	1515.3	1523.4	1515.3	1507.1	1505.1	1474.4	1433.4	1412.9	1400.5	1375.8	1357.2
162.5°	1500.3	1508.0	1500.3	1492.6	1490.7	1464.8	1430.2	1412.9	1403.9	1386.0	1372.6
165°	1478.8	1486.9	1478.8	1470.6	1468.6	1450.1	1425.3	1412.9	1408.8	1400.7	1394.6
167.5°	1463.3	1466.7	1463.3	1459.8	1459.0	1446.8	1430.6	1422.5	1419.1	1412.3	1407.2
170°	1459.0	1459.0	1459.0	1459.0	1459.0	1446.8	1430.6	1422.5	1422.3	1421.9	1421.6
172.5°	1447.6	1444.6	1447.6	1450.5	1451.3	1441.7	1428.9	1422.5	1422.5	1422.5	1422.5
175°	1440.7	1440.7	1440.7	1440.7	1440.7	1434.7	1426.6	1422.5	1424.4	1428.3	1431.1
177.5°	1434.5	1431.1	1434.5	1438.0	1438.8	1434.0	1427.7	1424.4	1425.9	1428.9	1431.1
180°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1650.8	1641.6	1641.6	1626.2	1620.0	1615.4	1607.7	1584.6	1578.4	1572.3	1581.5
5°	1664.7	1647.7	1635.4	1607.7	1584.6	1575.3	1546.1	1490.6	1453.7	1426.0	1410.6
7.5°	1667.7	1646.2	1623.1	1580.0	1524.5	1499.9	1410.6	1308.9	1281.2	1256.6	1241.2
10°	1664.7	1640.0	1607.7	1543.0	1412.1	1369.0	1279.7	1213.4	1196.5	1191.9	1196.5
12.5°	1653.9	1630.8	1586.1	1478.3	1295.1	1265.8	1213.4	1174.9	1171.9	1179.6	1221.1
15°	1635.4	1613.8	1561.5	1392.1	1230.4	1208.8	1171.9	1158.0	1174.9	1228.8	1353.6
17.5°	1616.9	1592.3	1527.6	1307.4	1181.1	1165.7	1139.5	1167.2	1262.7	1335.1	1376.7
20°	1592.3	1563.0	1489.1	1245.8	1145.7	1131.8	1119.5	1244.2	1316.6	1342.8	1365.9
22.5°	1563.0	1532.2	1436.7	1202.7	1108.7	1097.9	1105.6	1287.4	1316.6	1335.1	1355.1
25°	1524.5	1498.3	1375.1	1168.8	1079.5	1067.1	1096.4	1282.7	1299.7	1304.3	1344.3
27.5°	1489.1	1455.2	1310.5	1138.0	1044.0	1039.4	1104.1	1262.7	1275.0	1279.7	1322.8
30°	1446.0	1395.2	1238.1	1105.6	1007.1	1005.5	1105.6	1238.1	1235.0	1247.3	1290.4
32.5°	1401.3	1305.8	1156.5	1065.6	971.7	970.1	1094.9	1201.1	1198.0	1215.0	1247.3
35°	1359.7	1236.5	1045.6	1019.4	927.0	928.5	1068.7	1158.0	1159.5	1174.9	1195.0
37.5°	1316.6	1176.5	923.9	968.6	884.0	884.0	1033.3	1118.0	1114.9	1119.5	1147.2
40°	1265.8	1082.5	816.2	902.4	843.9	839.3	990.1	1074.8	1064.1	1062.5	1101.0
42.5°	1211.9	979.4	736.1	814.7	797.7	791.6	937.8	1022.5	1002.5	1007.1	1056.4
45°	1153.4	951.6	674.5	688.4	750.0	745.4	880.9	962.4	948.6	960.9	1011.7
47.5°	1094.9	896.3	654.5	571.3	699.2	697.6	817.7	904.0	896.3	908.6	962.4
50°	1014.8	834.7	653.0	489.7	642.2	648.3	742.3	847.0	847.0	857.8	914.8
52.5°	911.7	759.2	592.9	443.5	576.0	594.4	676.1	797.7	800.8	811.6	862.4
55°	817.7	680.7	549.8	408.1	497.4	537.5	611.4	746.9	753.1	763.8	810.0
57.5°	731.5	566.7	540.5	366.5	425.0	463.5	554.4	697.6	700.7	709.9	754.6
60°	639.1	409.6	495.9	321.9	361.9	391.2	502.0	639.1	649.9	656.0	694.5
62.5°	534.4	297.2	449.7	291.1	331.1	337.3	458.9	583.7	597.5	602.1	625.2
65°	380.4	249.5	381.9	264.9	298.8	300.3	412.7	526.7	539.0	546.7	563.6
67.5°	257.2	203.3	291.1	240.2	274.1	275.7	368.1	460.5	477.4	483.6	494.3
70°	178.6	135.5	215.6	214.1	246.4	249.5	320.3	400.4	415.8	420.4	426.6
72.5°	130.9	109.3	178.6	192.5	217.1	220.2	271.0	332.6	348.0	352.7	355.7
75°	100.1	115.5	144.8	167.9	184.8	186.3	221.8	271.0	281.8	284.9	286.4
77.5°	80.1	107.8	106.3	135.5	150.9	147.8	174.0	209.4	218.7	218.7	218.7
80°	60.1	84.7	80.1	97.0	110.9	107.8	124.7	149.4	152.5	155.5	154.0
82.5°	44.7	53.9	53.9	61.6	73.9	70.8	83.2	97.0	97.0	97.0	100.1
85°	27.7	30.8	24.6	32.3	41.6	40.0	46.2	52.4	53.9	53.9	50.8
87.5°	16.9	13.9	7.7	12.3	18.5	18.5	21.6	23.1	21.6	21.6	21.6
90°	24.9	17.3	9.6	17.3	24.9	26.9	42.3	62.8	73.0	64.9	48.7
92.5°	169.1	103.7	38.4	103.7	169.1	185.4	260.6	361.0	411.1	360.3	258.7
95°	331.3	211.8	92.2	211.8	331.3	361.1	641.3	1014.8	1201.6	1072.2	813.6
97.5°	370.4	264.9	159.5	264.9	370.4	396.7	863.9	1486.7	1798.1	1716.3	1552.9
100°	402.6	306.9	211.3	306.9	402.6	426.5	944.9	1635.9	1981.5	1987.5	1999.5
102.5°	433.9	344.7	255.5	344.7	433.9	456.2	982.0	1682.9	2033.4	2137.6	2345.9
105°	481.6	405.9	330.4	405.9	481.6	500.4	1009.5	1688.2	2027.6	2261.2	2728.2
107.5°	548.1	477.7	407.3	477.7	548.1	565.7	1014.6	1613.2	1912.4	2238.1	2889.6
110°	586.4	522.8	459.2	522.8	586.4	602.2	1006.9	1546.5	1816.4	2180.5	2908.8



TEST NUMBER: P935924

CATALOG NUMBER: SQ4-FA-150U-075D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	631.2	570.6	510.0	570.6	631.2	646.4	1007.2	1488.3	1728.9	2101.6	2846.9
115°	698.7	642.8	586.9	642.8	698.7	712.7	1016.6	1421.7	1624.2	1983.2	2701.2
117.5°	764.4	713.6	662.7	713.6	764.4	777.1	1035.4	1379.9	1552.2	1876.2	2524.2
120°	802.6	754.8	706.9	754.8	802.6	814.5	1050.8	1365.8	1523.4	1819.4	2411.6
122.5°	846.6	798.4	750.1	798.4	846.6	858.7	1072.9	1358.5	1501.3	1767.8	2301.1
125°	904.4	860.4	816.4	860.4	904.4	915.4	1102.6	1352.4	1477.2	1703.7	2156.6
127.5°	959.0	914.6	870.3	914.6	959.0	970.1	1132.4	1348.9	1457.1	1651.5	2040.4
130°	994.7	946.9	899.1	946.9	994.7	1006.6	1154.2	1351.0	1449.4	1622.5	1968.7
132.5°	1024.5	976.7	928.9	976.7	1024.5	1036.4	1171.9	1352.4	1442.7	1597.6	1907.5
135°	1060.1	1016.6	973.0	1016.6	1060.1	1071.0	1191.0	1351.1	1431.1	1560.9	1820.5
137.5°	1104.3	1061.3	1018.2	1061.3	1104.3	1115.1	1219.8	1359.4	1429.3	1539.0	1758.4
140°	1135.0	1095.3	1055.6	1095.3	1135.0	1144.9	1237.5	1360.8	1422.5	1517.3	1706.9
142.5°	1157.8	1121.1	1084.4	1121.1	1157.8	1167.0	1252.2	1365.7	1422.5	1505.7	1672.2
145°	1192.7	1160.6	1128.6	1160.6	1192.7	1200.7	1271.4	1365.7	1412.9	1480.9	1617.2
147.5°	1235.2	1204.0	1172.8	1204.0	1235.2	1242.9	1299.6	1375.1	1412.9	1466.5	1573.6
150°	1257.9	1229.8	1201.6	1229.8	1257.9	1265.0	1314.2	1380.0	1412.9	1458.1	1548.6
152.5°	1274.1	1252.7	1231.4	1252.7	1274.1	1279.4	1323.9	1383.2	1412.9	1451.5	1528.8
155°	1307.2	1291.4	1275.6	1291.4	1307.2	1311.1	1345.0	1390.2	1412.9	1443.6	1505.1
157.5°	1339.0	1323.6	1308.2	1323.6	1339.0	1342.8	1366.1	1397.3	1412.9	1436.8	1484.6
160°	1354.2	1342.3	1330.3	1342.3	1354.2	1357.2	1375.8	1400.5	1412.9	1433.4	1474.4
162.5°	1370.4	1361.4	1352.4	1361.4	1370.4	1372.6	1386.0	1403.9	1412.9	1430.2	1464.8
165°	1392.6	1384.5	1376.4	1384.5	1392.6	1394.6	1400.7	1408.8	1412.9	1425.3	1450.1
167.5°	1406.2	1402.3	1398.5	1402.3	1406.2	1407.2	1412.3	1419.1	1422.5	1430.6	1446.8
170°	1420.6	1416.7	1412.9	1416.7	1420.6	1421.6	1421.9	1422.3	1422.5	1430.6	1446.8
172.5°	1422.3	1421.4	1420.6	1421.4	1422.3	1422.5	1422.5	1422.5	1422.5	1428.9	1441.7
175°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1428.3	1424.4	1422.5	1426.6	1434.7
177.5°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1428.9	1425.9	1424.4	1427.7	1434.0
180°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1



TEST NUMBER: P935924  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1570.7	1566.1	1572.3	1555.3	1572.3	1566.1	1570.7	1581.5	1572.3	1578.4	1584.6
5°	1378.2	1370.5	1345.9	1325.9	1345.9	1370.5	1378.2	1410.6	1426.0	1453.7	1490.6
7.5°	1231.9	1225.8	1219.6	1207.3	1219.6	1225.8	1231.9	1241.2	1256.6	1281.2	1308.9
10°	1199.6	1201.1	1210.4	1208.8	1210.4	1201.1	1199.6	1196.5	1191.9	1196.5	1213.4
12.5°	1282.7	1296.6	1347.4	1344.3	1347.4	1296.6	1282.7	1221.1	1179.6	1171.9	1174.9
15°	1378.2	1382.8	1393.6	1395.2	1393.6	1382.8	1378.2	1353.6	1228.8	1174.9	1158.0
17.5°	1387.5	1389.0	1396.7	1396.7	1396.7	1389.0	1387.5	1376.7	1335.1	1262.7	1167.2
20°	1379.8	1382.8	1398.2	1401.3	1398.2	1382.8	1379.8	1365.9	1342.8	1316.6	1244.2
22.5°	1376.7	1382.8	1395.2	1393.6	1395.2	1382.8	1376.7	1355.1	1335.1	1316.6	1287.4
25°	1361.3	1361.3	1362.8	1364.4	1362.8	1361.3	1361.3	1344.3	1304.3	1299.7	1282.7
27.5°	1328.9	1332.0	1341.3	1339.7	1341.3	1332.0	1328.9	1322.8	1279.7	1275.0	1262.7
30°	1299.7	1296.6	1288.9	1282.7	1288.9	1296.6	1299.7	1290.4	1247.3	1235.0	1238.1
32.5°	1250.4	1242.7	1235.0	1230.4	1235.0	1242.7	1250.4	1247.3	1215.0	1198.0	1201.1
35°	1191.9	1193.4	1191.9	1187.3	1191.9	1193.4	1191.9	1195.0	1174.9	1159.5	1158.0
37.5°	1150.3	1153.4	1151.8	1145.7	1151.8	1153.4	1150.3	1147.2	1119.5	1114.9	1118.0
40°	1107.2	1108.7	1107.2	1102.6	1107.2	1108.7	1107.2	1101.0	1062.5	1064.1	1074.8
42.5°	1065.6	1064.1	1059.4	1056.4	1059.4	1064.1	1065.6	1056.4	1007.1	1002.5	1022.5
45°	1017.9	1019.4	1010.2	1005.5	1010.2	1019.4	1017.9	1011.7	960.9	948.6	962.4
47.5°	970.1	970.1	962.4	957.8	962.4	970.1	970.1	962.4	908.6	896.3	904.0
50°	919.3	917.8	907.1	905.5	907.1	917.8	919.3	914.8	857.8	847.0	847.0
52.5°	860.9	860.9	862.4	865.5	862.4	860.9	860.9	862.4	811.6	800.8	797.7
55°	810.0	811.6	822.4	825.4	822.4	811.6	810.0	810.0	763.8	753.1	746.9
57.5°	757.7	757.7	765.4	765.4	765.4	757.7	757.7	754.6	709.9	700.7	697.6
60°	697.6	700.7	706.9	705.3	706.9	700.7	697.6	694.5	656.0	649.9	639.1
62.5°	634.5	637.6	639.1	636.0	639.1	637.6	634.5	625.2	602.1	597.5	583.7
65°	568.3	571.3	572.9	569.8	572.9	571.3	568.3	563.6	546.7	539.0	526.7
67.5°	500.5	499.0	497.4	503.6	497.4	499.0	500.5	494.3	483.6	477.4	460.5
70°	431.2	431.2	429.7	432.7	429.7	431.2	431.2	426.6	420.4	415.8	400.4
72.5°	357.3	355.7	361.9	357.3	361.9	355.7	357.3	355.7	352.7	348.0	332.6
75°	284.9	288.0	284.9	289.5	284.9	288.0	284.9	286.4	284.9	281.8	271.0
77.5°	217.1	220.2	217.1	217.1	217.1	220.2	217.1	218.7	218.7	218.7	209.4
80°	154.0	152.5	152.5	150.9	152.5	152.5	154.0	154.0	155.5	152.5	149.4
82.5°	98.6	97.0	97.0	100.1	97.0	97.0	98.6	100.1	97.0	97.0	97.0
85°	53.9	55.4	52.4	52.4	52.4	55.4	53.9	50.8	53.9	53.9	52.4
87.5°	20.0	18.5	18.5	18.5	18.5	18.5	20.0	21.6	21.6	21.6	23.1
90°	36.5	36.5	36.5	36.5	36.5	36.5	36.5	48.7	64.9	73.0	62.8
92.5°	182.5	175.3	146.2	117.2	146.2	175.3	182.5	258.7	360.3	411.1	361.0
95°	619.5	597.5	509.6	421.7	509.6	597.5	619.5	813.6	1072.2	1201.6	1014.8
97.5°	1430.2	1388.4	1221.0	1053.7	1221.0	1388.4	1430.2	1552.9	1716.3	1798.1	1486.7
100°	2008.4	1958.6	1759.2	1559.9	1759.2	1958.6	2008.4	1999.5	1987.5	1981.5	1635.9
102.5°	2502.1	2459.5	2288.7	2118.0	2288.7	2459.5	2502.1	2345.9	2137.6	2033.4	1682.9
105°	3078.5	3055.5	2963.7	2871.9	2963.7	3055.5	3078.5	2728.2	2261.2	2027.6	1688.2
107.5°	3378.1	3383.7	3405.9	3428.0	3405.9	3383.7	3378.1	2889.6	2238.1	1912.4	1613.2
110°	3455.0	3478.9	3574.5	3670.1	3574.5	3478.9	3455.0	2908.8	2180.5	1816.4	1546.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3405.9	3442.7	3589.5	3736.3	3589.5	3442.7	3405.9	2846.9	2101.6	1728.9	1488.3
115°	3239.8	3290.7	3494.3	3697.9	3494.3	3290.7	3239.8	2701.2	1983.2	1624.2	1421.7
117.5°	3010.2	3066.7	3292.5	3518.4	3292.5	3066.7	3010.2	2524.2	1876.2	1552.2	1379.9
120°	2855.6	2910.4	3129.9	3349.3	3129.9	2910.4	2855.6	2411.6	1819.4	1523.4	1365.8
122.5°	2700.9	2755.1	2971.5	3188.0	2971.5	2755.1	2700.9	2301.1	1767.8	1501.3	1358.5
125°	2496.3	2546.2	2745.6	2944.9	2745.6	2546.2	2496.3	2156.6	1703.7	1477.2	1352.4
127.5°	2332.1	2374.1	2542.4	2710.6	2542.4	2374.1	2332.1	2040.4	1651.5	1457.1	1348.9
130°	2228.4	2267.3	2422.7	2578.0	2422.7	2267.3	2228.4	1968.7	1622.5	1449.4	1351.0
132.5°	2140.0	2174.8	2313.9	2453.1	2313.9	2174.8	2140.0	1907.5	1597.6	1442.7	1352.4
135°	2015.2	2045.1	2165.1	2285.1	2165.1	2045.1	2015.2	1820.5	1560.9	1431.1	1351.1
137.5°	1922.9	1947.5	2045.7	2143.8	2045.7	1947.5	1922.9	1758.4	1539.0	1429.3	1359.4
140°	1849.0	1871.9	1963.7	2055.5	1963.7	1871.9	1849.0	1706.9	1517.3	1422.5	1360.8
142.5°	1797.1	1816.8	1895.8	1974.8	1895.8	1816.8	1797.1	1672.2	1505.7	1422.5	1365.7
145°	1719.3	1734.3	1794.0	1853.8	1794.0	1734.3	1719.3	1617.2	1480.9	1412.9	1365.7
147.5°	1654.0	1666.4	1715.9	1765.4	1715.9	1666.4	1654.0	1573.6	1466.5	1412.9	1375.1
150°	1616.5	1626.5	1666.7	1706.9	1666.7	1626.5	1616.5	1548.6	1458.1	1412.9	1380.0
152.5°	1586.7	1594.3	1624.6	1655.0	1624.6	1594.3	1586.7	1528.8	1451.5	1412.9	1383.2
155°	1551.2	1556.2	1576.3	1596.4	1576.3	1556.2	1551.2	1505.1	1443.6	1412.9	1390.2
157.5°	1520.5	1524.1	1538.1	1552.2	1538.1	1524.1	1520.5	1484.6	1436.8	1412.9	1397.3
160°	1505.1	1507.1	1515.3	1523.4	1515.3	1507.1	1505.1	1474.4	1433.4	1412.9	1400.5
162.5°	1490.7	1492.6	1500.3	1508.0	1500.3	1492.6	1490.7	1464.8	1430.2	1412.9	1403.9
165°	1468.6	1470.6	1478.8	1486.9	1478.8	1470.6	1468.6	1450.1	1425.3	1412.9	1408.8
167.5°	1459.0	1459.8	1463.3	1466.7	1463.3	1459.8	1459.0	1446.8	1430.6	1422.5	1419.1
170°	1459.0	1459.0	1459.0	1459.0	1459.0	1459.0	1459.0	1446.8	1430.6	1422.5	1422.3
172.5°	1451.3	1450.5	1447.6	1444.6	1447.6	1450.5	1451.3	1441.7	1428.9	1422.5	1422.5
175°	1440.7	1440.7	1440.7	1440.7	1440.7	1440.7	1440.7	1434.7	1426.6	1422.5	1424.4
177.5°	1438.8	1438.0	1434.5	1431.1	1434.5	1438.0	1438.8	1434.0	1427.7	1424.4	1425.9
180°	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1	1431.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1607.7	1615.4	1620.0	1626.2	1641.6
5°	1546.1	1575.3	1584.6	1607.7	1635.4
7.5°	1410.6	1499.9	1524.5	1580.0	1623.1
10°	1279.7	1369.0	1412.1	1543.0	1607.7
12.5°	1213.4	1265.8	1295.1	1478.3	1586.1
15°	1171.9	1208.8	1230.4	1392.1	1561.5
17.5°	1139.5	1165.7	1181.1	1307.4	1527.6
20°	1119.5	1131.8	1145.7	1245.8	1489.1
22.5°	1105.6	1097.9	1108.7	1202.7	1436.7
25°	1096.4	1067.1	1079.5	1168.8	1375.1
27.5°	1104.1	1039.4	1044.0	1138.0	1310.5
30°	1105.6	1005.5	1007.1	1105.6	1238.1
32.5°	1094.9	970.1	971.7	1065.6	1156.5
35°	1068.7	928.5	927.0	1019.4	1045.6
37.5°	1033.3	884.0	884.0	968.6	923.9
40°	990.1	839.3	843.9	902.4	816.2
42.5°	937.8	791.6	797.7	814.7	736.1
45°	880.9	745.4	750.0	688.4	674.5
47.5°	817.7	697.6	699.2	571.3	654.5
50°	742.3	648.3	642.2	489.7	653.0
52.5°	676.1	594.4	576.0	443.5	592.9
55°	611.4	537.5	497.4	408.1	549.8
57.5°	554.4	463.5	425.0	366.5	540.5
60°	502.0	391.2	361.9	321.9	495.9
62.5°	458.9	337.3	331.1	291.1	449.7
65°	412.7	300.3	298.8	264.9	381.9
67.5°	368.1	275.7	274.1	240.2	291.1
70°	320.3	249.5	246.4	214.1	215.6
72.5°	271.0	220.2	217.1	192.5	178.6
75°	221.8	186.3	184.8	167.9	144.8
77.5°	174.0	147.8	150.9	135.5	106.3
80°	124.7	107.8	110.9	97.0	80.1
82.5°	83.2	70.8	73.9	61.6	53.9
85°	46.2	40.0	41.6	32.3	24.6
87.5°	21.6	18.5	18.5	12.3	7.7
90°	42.3	26.9	24.9	17.3	9.6
92.5°	260.6	185.4	169.1	103.7	38.4
95°	641.3	361.1	331.3	211.8	92.2
97.5°	863.9	396.7	370.4	264.9	159.5
100°	944.9	426.5	402.6	306.9	211.3
102.5°	982.0	456.2	433.9	344.7	255.5
105°	1009.5	500.4	481.6	405.9	330.4
107.5°	1014.6	565.7	548.1	477.7	407.3
110°	1006.9	602.2	586.4	522.8	459.2



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1007.2	646.4	631.2	570.6	510.0
115°	1016.6	712.7	698.7	642.8	586.9
117.5°	1035.4	777.1	764.4	713.6	662.7
120°	1050.8	814.5	802.6	754.8	706.9
122.5°	1072.9	858.7	846.6	798.4	750.1
125°	1102.6	915.4	904.4	860.4	816.4
127.5°	1132.4	970.1	959.0	914.6	870.3
130°	1154.2	1006.6	994.7	946.9	899.1
132.5°	1171.9	1036.4	1024.5	976.7	928.9
135°	1191.0	1071.0	1060.1	1016.6	973.0
137.5°	1219.8	1115.1	1104.3	1061.3	1018.2
140°	1237.5	1144.9	1135.0	1095.3	1055.6
142.5°	1252.2	1167.0	1157.8	1121.1	1084.4
145°	1271.4	1200.7	1192.7	1160.6	1128.6
147.5°	1299.6	1242.9	1235.2	1204.0	1172.8
150°	1314.2	1265.0	1257.9	1229.8	1201.6
152.5°	1323.9	1279.4	1274.1	1252.7	1231.4
155°	1345.0	1311.1	1307.2	1291.4	1275.6
157.5°	1366.1	1342.8	1339.0	1323.6	1308.2
160°	1375.8	1357.2	1354.2	1342.3	1330.3
162.5°	1386.0	1372.6	1370.4	1361.4	1352.4
165°	1400.7	1394.6	1392.6	1384.5	1376.4
167.5°	1412.3	1407.2	1406.2	1402.3	1398.5
170°	1421.9	1421.6	1420.6	1416.7	1412.9
172.5°	1422.5	1422.5	1422.3	1421.4	1420.6
175°	1428.3	1431.1	1431.1	1431.1	1431.1
177.5°	1428.9	1431.1	1431.1	1431.1	1431.1
180°	1431.1	1431.1	1431.1	1431.1	1431.1



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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	9.79	10.51	10.89	11.61	13.12	12.63	13.35	13.73	14.44	15.96
	3H	10.26	10.90	11.37	12.01	13.54	13.97	14.61	15.08	15.71	17.25
	4H	10.44	11.05	11.56	12.16	13.70	14.41	15.01	15.53	16.12	17.66
	6H	10.55	11.11	11.68	12.22	13.77	14.68	15.24	15.81	16.35	17.90
	8H	10.55	11.08	11.68	12.21	13.75	14.76	15.29	15.89	16.41	17.96
	12H	10.52	11.02	11.65	12.14	13.71	14.79	15.30	15.93	16.42	17.98
4H	2H	10.81	11.42	11.94	12.52	14.06	13.02	13.63	14.15	14.74	16.27
	3H	11.82	12.33	12.96	13.46	15.01	14.51	15.02	15.65	16.16	17.71
	4H	12.09	12.56	13.23	13.68	15.25	15.04	15.50	16.18	16.63	18.20
	6H	12.21	12.61	13.35	13.75	15.32	15.40	15.80	16.54	16.94	18.50
	8H	12.21	12.58	13.35	13.72	15.30	15.50	15.87	16.65	17.01	18.59
	12H	12.17	12.51	13.33	13.66	15.24	15.55	15.89	16.71	17.04	18.62
8H	4H	12.53	12.91	13.68	14.04	15.62	15.15	15.52	16.29	16.66	18.24
	6H	12.79	13.10	13.95	14.28	15.85	15.58	15.89	16.75	17.07	18.65
	8H	12.83	13.10	14.00	14.26	15.85	15.73	16.00	16.91	17.16	18.76
	12H	12.81	13.04	13.98	14.20	15.83	15.83	16.06	17.00	17.22	18.85
12H	4H	12.53	12.87	13.69	14.02	15.60	15.11	15.45	16.27	16.60	18.18
	6H	12.85	13.12	14.02	14.28	15.87	15.58	15.85	16.75	17.01	18.60
	8H	12.91	13.14	14.08	14.30	15.93	15.73	15.97	16.91	17.13	18.76