

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: P935821

Luminaire Tested: SQ4-FA-150U-050D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

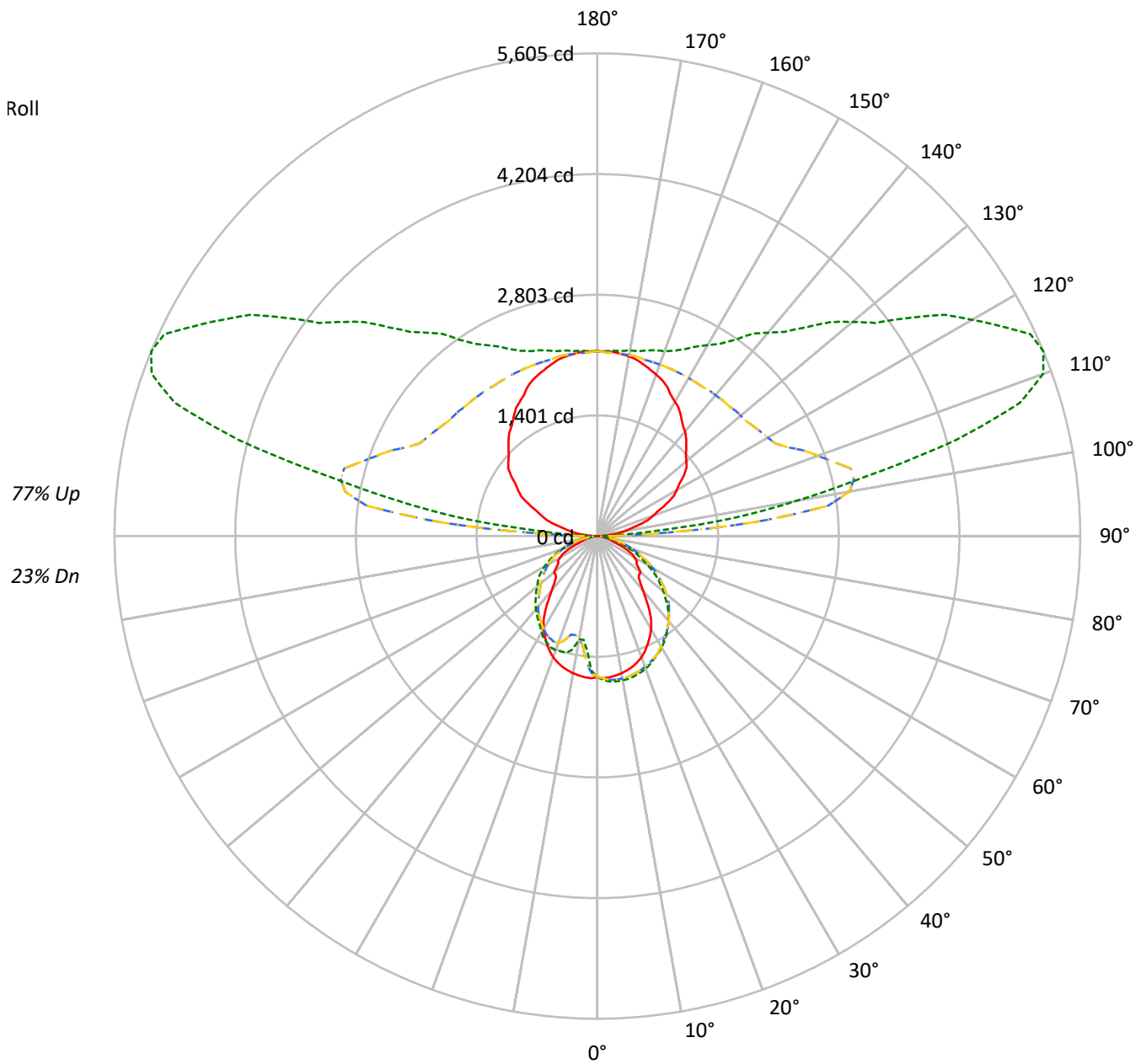
Test Method: LM-79-2019  
Report Number: P935821  
REPORT IS A COMBINATION OF REPORTS P933769 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-050D-927-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18170.4 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 166.8  
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	50	30	10	0		
RCR																										
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23					23			
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20					20			
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17					17			
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14					14			
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12					12			
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10					10			
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9					9			
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8					8			
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7					7			
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6					6			
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6					6			

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

	0°	90°	180°	270°
0°	5065	5065	5065	5065
5°	5105	5113	5105	4020
10°	5072	5036	5072	3601
15°	5019	4927	5019	4114
20°	4916	4798	4916	4123
25°	4703	4609	4703	4036
30°	4427	4453	4427	3844
35°	3949	4255	3949	3633
40°	3292	4022	3292	3474
45°	2943	3749	2943	3290
50°	3130	3423	3130	3107
55°	2948	3073	2948	3000
60°	3042	2610	3042	2748
65°	2763	2158	2763	2412
70°	1918	1720	1918	2022
75°	1688	1271	1688	1522
80°	1369	840	1369	915
85°	804	445	804	378

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 90°  
 Luminance: 5345 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.8	0.8
10°-20°	419.7	2.3
20°-30°	648.8	3.6
30°-40°	774.5	4.3
40°-50°	779.0	4.3
50°-60°	677.8	3.7
60°-70°	480.6	2.6
70°-80°	254.3	1.4
80°-90°	71.5	0.4
90°-100°	1046.4	5.8
100°-110°	2751.1	15.1
110°-120°	2852.6	15.7
120°-130°	2288.1	12.6
130°-140°	1795.4	9.9
140°-150°	1378.0	7.6
150°-160°	992.4	5.5
160°-170°	607.2	3.3
170°-180°	205.1	1.1
0°-30°	1216.3	6.7
0°-40°	1990.7	11.0
0°-60°	3447.6	19.0
0°-90°	4254.0	23.4
90°-120°	6650.2	36.6
90°-150°	12111.7	66.7
90°-180°	13916.0	76.6
0°-180°	18170.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1638	1638	1638	1638	1638	
5°	1645	1696	1645	1334	1645	156
15°	1571	1681	1571	1404	1571	442
25°	1384	1568	1384	1373	1384	635
35°	1052	1399	1052	1194	1052	651
45°	678	1153	678	1012	678	544
55°	553	850	553	830	553	508
65°	384	513	384	573	384	367
75°	146	243	146	291	146	153
85°	25	62	25	53	25	33
90°	14	55	14	55	14	13
95°	138	632	138	632	138	154
105°	496	4308	496	4308	496	525
115°	880	5547	880	5547	880	869
125°	1225	4417	1225	4417	1225	1087
135°	1460	3428	1460	3428	1460	1129
145°	1693	2781	1693	2781	1693	1061
155°	1913	2394	1913	2394	1913	879
165°	2065	2230	2065	2230	2065	583
175°	2147	2161	2147	2161	2147	204
180°	2147	2147	2147	2147	2147	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1651.4	1651.4	1660.7	1663.8	1663.8	1659.2	1654.6	1659.2	1673.1	1677.8	1676.2
5°	1645.3	1657.7	1674.7	1677.8	1680.9	1679.4	1676.2	1679.4	1694.8	1697.9	1699.5
7.5°	1632.9	1656.1	1677.8	1682.4	1687.1	1682.4	1680.9	1684.0	1699.5	1702.5	1702.5
10°	1617.4	1649.9	1674.7	1677.8	1682.4	1677.8	1677.8	1684.0	1699.5	1702.5	1704.2
12.5°	1595.7	1640.6	1663.8	1667.0	1673.1	1671.6	1670.1	1676.2	1691.8	1694.8	1694.8
15°	1570.9	1623.5	1645.3	1648.3	1659.2	1656.1	1656.1	1662.3	1679.4	1684.0	1682.4
17.5°	1536.8	1601.9	1626.7	1631.3	1639.1	1637.5	1639.1	1645.3	1660.7	1663.8	1665.4
20°	1498.1	1572.4	1601.9	1606.5	1614.3	1614.3	1614.3	1622.0	1637.5	1643.7	1643.7
22.5°	1445.4	1541.5	1572.4	1575.6	1584.8	1584.8	1588.0	1598.8	1612.7	1614.3	1614.3
25°	1383.5	1507.4	1533.7	1543.0	1552.3	1556.9	1561.6	1567.8	1572.4	1570.9	1572.4
27.5°	1318.4	1464.0	1498.1	1504.3	1516.7	1521.3	1527.5	1529.1	1530.6	1535.2	1532.1
30°	1245.6	1403.6	1454.7	1460.9	1481.0	1484.2	1477.9	1481.0	1488.8	1491.9	1495.0
32.5°	1163.5	1313.7	1409.8	1423.7	1442.3	1433.0	1431.4	1436.1	1448.5	1448.5	1451.6
35°	1051.9	1244.0	1368.0	1380.4	1394.3	1383.5	1389.6	1391.2	1398.9	1403.6	1402.0
37.5°	929.5	1183.6	1324.6	1333.9	1344.7	1330.8	1340.0	1344.7	1350.9	1347.8	1347.8
40°	821.1	1089.1	1273.4	1279.7	1288.9	1278.1	1287.4	1290.5	1293.6	1290.5	1288.9
42.5°	740.5	985.3	1219.2	1227.0	1220.8	1228.5	1231.6	1237.9	1233.2	1227.0	1227.0
45°	678.5	957.4	1160.4	1169.6	1160.4	1172.8	1177.4	1177.4	1163.5	1160.4	1158.8
47.5°	658.4	901.7	1101.5	1101.5	1096.9	1112.3	1120.0	1109.3	1095.3	1090.6	1090.6
50°	656.9	839.7	1020.9	1014.7	1036.4	1055.0	1047.3	1036.4	1025.6	1008.5	1008.5
52.5°	596.4	763.8	917.1	940.4	974.4	985.3	972.9	962.0	943.5	935.7	929.5
55°	553.1	684.8	822.6	869.1	904.8	918.7	895.4	884.6	856.7	852.1	849.0
57.5°	543.8	570.1	735.9	794.7	838.1	836.6	822.6	802.5	779.2	774.6	773.1
60°	498.9	412.1	643.0	712.6	757.5	752.9	740.5	722.0	700.2	697.2	694.1
62.5°	452.4	299.0	537.5	616.6	680.1	678.5	667.7	639.8	624.3	616.6	610.4
65°	384.2	250.9	382.7	512.8	604.2	607.3	584.0	563.9	546.9	537.5	536.0
67.5°	292.8	204.5	258.7	427.6	531.4	528.3	498.9	489.6	467.9	463.2	453.9
70°	216.9	136.4	179.7	347.0	460.2	452.4	429.1	418.3	398.2	387.3	381.1
72.5°	179.7	110.0	131.7	269.6	387.3	378.0	357.9	345.5	328.4	319.2	312.9
75°	145.6	116.2	100.7	199.8	314.5	308.3	289.7	277.3	263.3	250.9	252.5
77.5°	106.9	108.4	80.5	147.1	249.4	240.2	229.3	213.8	207.6	195.2	195.2
80°	80.5	85.2	60.4	100.7	179.7	179.7	170.4	159.5	148.7	142.5	142.5
82.5°	54.2	54.2	44.9	63.5	122.4	117.7	111.6	108.4	102.3	99.2	99.2
85°	24.8	31.0	27.9	38.7	66.6	69.7	69.7	66.6	65.1	62.0	63.5
87.5°	7.8	13.9	17.0	21.7	34.1	35.7	37.2	37.2	37.2	38.7	38.7
90°	14.4	25.9	37.5	40.3	63.4	94.1	109.5	97.3	73.0	54.7	54.7
92.5°	57.6	155.5	253.6	278.0	390.9	541.4	616.6	540.4	388.0	273.7	262.9
95°	138.3	317.5	496.9	541.7	962.0	1522.3	1802.4	1608.4	1220.4	929.3	896.4
97.5°	239.2	397.3	555.5	595.1	1295.8	2230.0	2697.1	2574.5	2329.2	2145.3	2082.5
100°	316.9	460.4	603.8	639.7	1417.3	2453.9	2972.3	2981.2	2999.2	3012.6	2937.9
102.5°	383.2	517.1	650.9	684.4	1472.9	2524.4	3050.1	3206.4	3518.8	3753.2	3689.1
105°	495.6	609.0	722.3	750.7	1514.3	2532.4	3041.4	3391.7	4092.2	4617.6	4583.2
107.5°	610.9	716.6	822.2	848.6	1521.9	2419.6	2868.6	3357.1	4334.3	5067.1	5075.5
110°	688.7	784.1	879.5	903.4	1510.4	2319.8	2724.5	3270.7	4363.1	5182.4	5218.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	765.1	856.0	946.9	969.7	1510.9	2232.5	2593.4	3152.4	4270.4	5109.0	5164.0
115°	880.3	964.2	1048.1	1069.1	1524.8	2132.5	2436.4	2974.9	4051.9	4859.7	4936.1
117.5°	994.1	1070.3	1146.5	1165.5	1553.1	2069.8	2328.2	2814.3	3786.3	4515.4	4600.1
120°	1060.4	1132.1	1203.8	1221.8	1576.2	2048.7	2285.1	2729.1	3617.2	4283.4	4365.7
122.5°	1125.2	1197.6	1270.0	1288.1	1609.4	2037.7	2251.9	2651.8	3451.6	4051.4	4132.6
125°	1224.7	1290.6	1356.6	1373.1	1654.0	2028.6	2215.9	2555.6	3235.0	3744.5	3819.3
127.5°	1305.3	1371.9	1438.5	1455.1	1698.6	2023.3	2185.6	2477.3	3060.7	3498.2	3561.2
130°	1348.6	1420.3	1492.0	1509.9	1731.3	2026.5	2174.1	2433.7	2953.1	3342.6	3400.9
132.5°	1393.2	1464.9	1536.6	1554.6	1757.7	2028.6	2164.0	2396.5	2861.4	3210.1	3262.3
135°	1459.5	1524.8	1590.1	1606.5	1786.6	2026.7	2146.8	2341.4	2730.7	3022.7	3067.7
137.5°	1527.2	1591.9	1656.6	1672.7	1829.8	2039.1	2143.8	2308.4	2637.6	2884.4	2921.2
140°	1583.4	1642.9	1702.5	1717.4	1856.2	2041.2	2133.7	2275.9	2560.2	2773.5	2807.9
142.5°	1626.6	1681.7	1736.7	1750.5	1878.3	2048.6	2133.7	2258.6	2508.4	2695.7	2725.3
145°	1692.9	1741.0	1788.9	1801.0	1907.1	2048.6	2119.3	2221.5	2425.7	2579.0	2601.4
147.5°	1759.1	1805.9	1852.6	1864.3	1949.3	2062.7	2119.3	2199.7	2360.4	2481.0	2499.6
150°	1802.4	1844.7	1887.0	1897.5	1971.4	2070.1	2119.3	2187.3	2323.0	2424.8	2439.8
152.5°	1847.1	1879.1	1911.1	1919.1	1985.8	2074.8	2119.3	2177.3	2293.2	2380.1	2391.5
155°	1913.4	1937.1	1960.7	1966.7	2017.6	2085.4	2119.3	2165.5	2257.7	2326.9	2334.4
157.5°	1962.3	1985.4	2008.4	2014.2	2049.2	2095.9	2119.3	2155.2	2226.9	2280.7	2286.1
160°	1995.5	2013.4	2031.3	2035.8	2063.7	2100.8	2119.3	2150.1	2211.5	2257.6	2260.7
162.5°	2028.6	2042.0	2055.4	2058.8	2079.0	2105.9	2119.3	2145.3	2197.2	2236.1	2238.9
165°	2064.6	2076.8	2088.9	2092.0	2101.1	2113.3	2119.3	2137.9	2175.0	2202.9	2206.0
167.5°	2097.8	2103.6	2109.3	2110.7	2118.4	2128.7	2133.7	2145.9	2170.2	2188.5	2189.8
170°	2119.3	2125.1	2130.9	2132.4	2132.8	2133.4	2133.7	2145.9	2170.2	2188.5	2188.5
172.5°	2130.9	2132.1	2133.4	2133.7	2133.7	2133.7	2133.7	2143.4	2162.6	2177.0	2175.9
175°	2146.8	2146.8	2146.8	2146.8	2142.4	2136.7	2133.7	2139.8	2152.0	2161.2	2161.2
177.5°	2146.8	2146.8	2146.8	2146.8	2143.4	2138.9	2136.7	2141.4	2151.1	2158.2	2156.9
180°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1679.4	1674.7	1679.4	1676.2	1677.8	1673.1	1659.2	1654.6	1659.2	1663.8	1663.8
5°	1699.5	1696.4	1699.5	1699.5	1697.9	1694.8	1679.4	1676.2	1679.4	1680.9	1677.8
7.5°	1705.7	1701.0	1705.7	1702.5	1702.5	1699.5	1684.0	1680.9	1682.4	1687.1	1682.4
10°	1705.7	1701.0	1705.7	1704.2	1702.5	1699.5	1684.0	1677.8	1677.8	1682.4	1677.8
12.5°	1697.9	1694.8	1697.9	1694.8	1694.8	1691.8	1676.2	1670.1	1671.6	1673.1	1667.0
15°	1685.5	1680.9	1685.5	1682.4	1684.0	1679.4	1662.3	1656.1	1656.1	1659.2	1648.3
17.5°	1667.0	1660.7	1667.0	1665.4	1663.8	1660.7	1645.3	1639.1	1637.5	1639.1	1631.3
20°	1645.3	1640.6	1645.3	1643.7	1643.7	1637.5	1622.0	1614.3	1614.3	1614.3	1606.5
22.5°	1611.1	1606.5	1611.1	1614.3	1614.3	1612.7	1598.8	1588.0	1584.8	1584.8	1575.6
25°	1572.4	1567.8	1572.4	1572.4	1570.9	1572.4	1567.8	1561.6	1556.9	1552.3	1543.0
27.5°	1535.2	1532.1	1535.2	1532.1	1535.2	1530.6	1529.1	1527.5	1521.3	1516.7	1504.3
30°	1498.1	1495.0	1498.1	1495.0	1491.9	1488.8	1481.0	1477.9	1484.2	1481.0	1460.9
32.5°	1451.6	1448.5	1451.6	1451.6	1448.5	1448.5	1436.1	1431.4	1433.0	1442.3	1423.7
35°	1403.6	1398.9	1403.6	1402.0	1403.6	1398.9	1391.2	1389.6	1383.5	1394.3	1380.4
37.5°	1347.8	1343.2	1347.8	1347.8	1347.8	1350.9	1344.7	1340.0	1330.8	1344.7	1333.9
40°	1290.5	1284.3	1290.5	1288.9	1290.5	1293.6	1290.5	1287.4	1278.1	1288.9	1279.7
42.5°	1225.5	1223.8	1225.5	1227.0	1227.0	1233.2	1237.9	1231.6	1228.5	1220.8	1227.0
45°	1155.7	1152.6	1155.7	1158.8	1160.4	1163.5	1177.4	1177.4	1172.8	1160.4	1169.6
47.5°	1081.3	1073.6	1081.3	1090.6	1090.6	1095.3	1109.3	1120.0	1112.3	1096.9	1101.5
50°	1002.3	1003.8	1002.3	1008.5	1008.5	1025.6	1036.4	1047.3	1055.0	1036.4	1014.7
52.5°	924.8	923.3	924.8	929.5	935.7	943.5	962.0	972.9	985.3	974.4	940.4
55°	847.4	850.5	847.4	849.0	852.1	856.7	884.6	895.4	918.7	904.8	869.1
57.5°	769.9	765.3	769.9	773.1	774.6	779.2	802.5	822.6	836.6	838.1	794.7
60°	680.1	673.9	680.1	694.1	697.2	700.2	722.0	740.5	752.9	757.5	712.6
62.5°	601.1	590.3	601.1	610.4	616.6	624.3	639.8	667.7	678.5	680.1	616.6
65°	517.4	512.8	517.4	536.0	537.5	546.9	563.9	584.0	607.3	604.2	512.8
67.5°	441.5	441.5	441.5	453.9	463.2	467.9	489.6	498.9	528.3	531.4	427.6
70°	371.8	370.3	371.8	381.1	387.3	398.2	418.3	429.1	452.4	460.2	347.0
72.5°	305.2	303.6	305.2	312.9	319.2	328.4	345.5	357.9	378.0	387.3	269.6
75°	246.3	243.2	246.3	252.5	250.9	263.3	277.3	289.7	308.3	314.5	199.8
77.5°	189.0	189.0	189.0	195.2	195.2	207.6	213.8	229.3	240.2	249.4	147.1
80°	141.0	139.4	141.0	142.5	142.5	148.7	159.5	170.4	179.7	179.7	100.7
82.5°	99.2	96.0	99.2	99.2	99.2	102.3	108.4	111.6	117.7	122.4	63.5
85°	62.0	62.0	62.0	63.5	62.0	65.1	66.6	69.7	69.7	66.6	38.7
87.5°	40.3	38.7	40.3	38.7	38.7	37.2	37.2	37.2	35.7	34.1	21.7
90°	54.7	54.7	54.7	54.7	54.7	73.0	97.3	109.5	94.1	63.4	40.3
92.5°	219.3	175.8	219.3	262.9	273.7	388.0	540.4	616.6	541.4	390.9	278.0
95°	764.4	632.5	764.4	896.4	929.3	1220.4	1608.4	1802.4	1522.3	962.0	541.7
97.5°	1831.5	1580.5	1831.5	2082.5	2145.3	2329.2	2574.5	2697.1	2230.0	1295.8	595.1
100°	2638.9	2339.8	2638.9	2937.9	3012.6	2999.2	2981.2	2972.3	2453.9	1417.3	639.7
102.5°	3433.0	3176.9	3433.0	3689.1	3753.2	3518.8	3206.4	3050.1	2524.4	1472.9	684.4
105°	4445.6	4307.9	4445.6	4583.2	4617.6	4092.2	3391.7	3041.4	2532.4	1514.3	750.7
107.5°	5108.8	5142.1	5108.8	5075.5	5067.1	4334.3	3357.1	2868.6	2419.6	1521.9	848.6
110°	5361.7	5505.2	5361.7	5218.3	5182.4	4363.1	3270.7	2724.5	2319.8	1510.4	903.4





TEST NUMBER: P935821

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5384.3	5604.6	5384.3	5164.0	5109.0	4270.4	3152.4	2593.4	2232.5	1510.9	969.7
115°	5241.5	5546.9	5241.5	4936.1	4859.7	4051.9	2974.9	2436.4	2132.5	1524.8	1069.1
117.5°	4938.8	5277.5	4938.8	4600.1	4515.4	3786.3	2814.3	2328.2	2069.8	1553.1	1165.5
120°	4694.8	5023.9	4694.8	4365.7	4283.4	3617.2	2729.1	2285.1	2048.7	1576.2	1221.8
122.5°	4457.3	4781.9	4457.3	4132.6	4051.4	3451.6	2651.8	2251.9	2037.7	1609.4	1288.1
125°	4118.3	4417.4	4118.3	3819.3	3744.5	3235.0	2555.6	2215.9	2028.6	1654.0	1373.1
127.5°	3813.6	4065.8	3813.6	3561.2	3498.2	3060.7	2477.3	2185.6	2023.3	1698.6	1455.1
130°	3633.9	3867.0	3633.9	3400.9	3342.6	2953.1	2433.7	2174.1	2026.5	1731.3	1509.9
132.5°	3470.9	3679.7	3470.9	3262.3	3210.1	2861.4	2396.5	2164.0	2028.6	1757.7	1554.6
135°	3247.6	3427.6	3247.6	3067.7	3022.7	2730.7	2341.4	2146.8	2026.7	1786.6	1606.5
137.5°	3068.5	3215.8	3068.5	2921.2	2884.4	2637.6	2308.4	2143.8	2039.1	1829.8	1672.7
140°	2945.6	3083.2	2945.6	2807.9	2773.5	2560.2	2275.9	2133.7	2041.2	1856.2	1717.4
142.5°	2843.8	2962.2	2843.8	2725.3	2695.7	2508.4	2258.6	2133.7	2048.6	1878.3	1750.5
145°	2691.1	2780.7	2691.1	2601.4	2579.0	2425.7	2221.5	2119.3	2048.6	1907.1	1801.0
147.5°	2573.9	2648.1	2573.9	2499.6	2481.0	2360.4	2199.7	2119.3	2062.7	1949.3	1864.3
150°	2500.0	2560.2	2500.0	2439.8	2424.8	2323.0	2187.3	2119.3	2070.1	1971.4	1897.5
152.5°	2437.0	2482.4	2437.0	2391.5	2380.1	2293.2	2177.3	2119.3	2074.8	1985.8	1919.1
155°	2364.4	2394.5	2364.4	2334.4	2326.9	2257.7	2165.5	2119.3	2085.4	2017.6	1966.7
157.5°	2307.2	2328.2	2307.2	2286.1	2280.7	2226.9	2155.2	2119.3	2095.9	2049.2	2014.2
160°	2272.9	2285.1	2272.9	2260.7	2257.6	2211.5	2150.1	2119.3	2100.8	2063.7	2035.8
162.5°	2250.5	2262.0	2250.5	2238.9	2236.1	2197.2	2145.3	2119.3	2105.9	2079.0	2058.8
165°	2218.1	2230.3	2218.1	2206.0	2202.9	2175.0	2137.9	2119.3	2113.3	2101.1	2092.0
167.5°	2194.9	2200.0	2194.9	2189.8	2188.5	2170.2	2145.9	2133.7	2128.7	2118.4	2110.7
170°	2188.5	2188.5	2188.5	2188.5	2188.5	2170.2	2145.9	2133.7	2133.4	2132.8	2132.4
172.5°	2171.4	2166.9	2171.4	2175.9	2177.0	2162.6	2143.4	2133.7	2133.7	2133.7	2133.7
175°	2161.2	2161.2	2161.2	2161.2	2161.2	2152.0	2139.8	2133.7	2136.7	2142.4	2146.8
177.5°	2151.8	2146.8	2151.8	2156.9	2158.2	2151.1	2141.4	2136.7	2138.9	2143.4	2146.8
180°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1660.7	1651.4	1651.4	1635.9	1629.8	1625.1	1617.4	1594.1	1588.0	1581.7	1591.1
5°	1674.7	1657.7	1645.3	1617.4	1594.1	1584.8	1555.4	1499.7	1462.5	1434.6	1419.1
7.5°	1677.8	1656.1	1632.9	1589.5	1533.7	1508.9	1419.1	1316.9	1288.9	1264.2	1248.6
10°	1674.7	1649.9	1617.4	1552.3	1420.6	1377.2	1287.4	1220.8	1203.7	1199.1	1203.7
12.5°	1663.8	1640.6	1595.7	1487.3	1302.9	1273.4	1220.8	1182.0	1178.9	1186.7	1228.5
15°	1645.3	1623.5	1570.9	1400.5	1237.9	1216.1	1178.9	1165.0	1182.0	1236.2	1361.7
17.5°	1626.7	1601.9	1536.8	1315.3	1188.3	1172.8	1146.4	1174.3	1270.3	1343.2	1385.0
20°	1601.9	1572.4	1498.1	1253.3	1152.6	1138.7	1126.3	1251.8	1324.6	1350.9	1374.1
22.5°	1572.4	1541.5	1445.4	1209.9	1115.4	1104.6	1112.3	1295.1	1324.6	1343.2	1363.3
25°	1533.7	1507.4	1383.5	1175.9	1086.0	1073.6	1103.0	1290.5	1307.5	1312.2	1352.4
27.5°	1498.1	1464.0	1318.4	1144.8	1050.4	1045.7	1110.8	1270.3	1282.7	1287.4	1330.8
30°	1454.7	1403.6	1245.6	1112.3	1013.2	1011.6	1112.3	1245.6	1242.5	1254.9	1298.2
32.5°	1409.8	1313.7	1163.5	1072.1	977.5	976.0	1101.5	1208.4	1205.3	1222.3	1254.9
35°	1368.0	1244.0	1051.9	1025.6	932.6	934.2	1075.2	1165.0	1166.6	1182.0	1202.2
37.5°	1324.6	1183.6	929.5	974.4	889.3	889.3	1039.5	1124.7	1121.7	1126.3	1154.2
40°	1273.4	1089.1	821.1	907.8	849.0	844.3	996.1	1081.3	1070.5	1069.0	1107.6
42.5°	1219.2	985.3	740.5	819.5	802.5	796.3	943.5	1028.6	1008.5	1013.2	1062.8
45°	1160.4	957.4	678.5	692.5	754.4	749.8	886.1	968.3	954.3	966.7	1017.9
47.5°	1101.5	901.7	658.4	574.7	703.3	701.8	822.6	909.4	901.7	914.1	968.3
50°	1020.9	839.7	656.9	492.6	646.0	652.2	746.7	852.1	852.1	862.9	920.2
52.5°	917.1	763.8	596.4	446.1	579.4	598.0	680.1	802.5	805.6	816.4	867.6
55°	822.6	684.8	553.1	410.6	500.4	540.7	615.0	751.4	757.5	768.4	814.9
57.5°	735.9	570.1	543.8	368.7	427.6	466.3	557.7	701.8	704.9	714.2	759.1
60°	643.0	412.1	498.9	323.8	364.1	393.5	505.0	643.0	653.7	660.0	698.7
62.5°	537.5	299.0	452.4	292.8	333.1	339.3	461.7	587.1	601.1	605.8	629.0
65°	382.7	250.9	384.2	266.5	300.5	302.1	415.2	529.8	542.2	549.9	567.0
67.5°	258.7	204.5	292.8	241.7	275.7	277.3	370.3	463.2	480.2	486.5	497.3
70°	179.7	136.4	216.9	215.4	247.9	250.9	322.2	402.8	418.3	423.0	429.1
72.5°	131.7	110.0	179.7	193.7	218.4	221.5	272.7	334.6	350.1	354.7	357.9
75°	100.7	116.2	145.6	168.9	185.9	187.4	223.1	272.7	283.5	286.6	288.1
77.5°	80.5	108.4	106.9	136.4	151.8	148.7	175.1	210.7	220.0	220.0	220.0
80°	60.4	85.2	80.5	97.6	111.6	108.4	125.5	150.3	153.4	156.5	154.9
82.5°	44.9	54.2	54.2	62.0	74.4	71.3	83.6	97.6	97.6	97.6	100.7
85°	27.9	31.0	24.8	32.6	41.8	40.3	46.5	52.7	54.2	54.2	51.1
87.5°	17.0	13.9	7.8	12.4	18.6	18.6	21.7	23.3	21.7	21.7	21.7
90°	37.5	25.9	14.4	25.9	37.5	40.3	63.4	94.1	109.5	97.3	73.0
92.5°	253.6	155.5	57.6	155.5	253.6	278.0	390.9	541.4	616.6	540.4	388.0
95°	496.9	317.5	138.3	317.5	496.9	541.7	962.0	1522.3	1802.4	1608.4	1220.4
97.5°	555.5	397.3	239.2	397.3	555.5	595.1	1295.8	2230.0	2697.1	2574.5	2329.2
100°	603.8	460.4	316.9	460.4	603.8	639.7	1417.3	2453.9	2972.3	2981.2	2999.2
102.5°	650.9	517.1	383.2	517.1	650.9	684.4	1472.9	2524.4	3050.1	3206.4	3518.8
105°	722.3	609.0	495.6	609.0	722.3	750.7	1514.3	2532.4	3041.4	3391.7	4092.2
107.5°	822.2	716.6	610.9	716.6	822.2	848.6	1521.9	2419.6	2868.6	3357.1	4334.3
110°	879.5	784.1	688.7	784.1	879.5	903.4	1510.4	2319.8	2724.5	3270.7	4363.1



TEST NUMBER: P935821

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	946.9	856.0	765.1	856.0	946.9	969.7	1510.9	2232.5	2593.4	3152.4	4270.4
115°	1048.1	964.2	880.3	964.2	1048.1	1069.1	1524.8	2132.5	2436.4	2974.9	4051.9
117.5°	1146.5	1070.3	994.1	1070.3	1146.5	1165.5	1553.1	2069.8	2328.2	2814.3	3786.3
120°	1203.8	1132.1	1060.4	1132.1	1203.8	1221.8	1576.2	2048.7	2285.1	2729.1	3617.2
122.5°	1270.0	1197.6	1125.2	1197.6	1270.0	1288.1	1609.4	2037.7	2251.9	2651.8	3451.6
125°	1356.6	1290.6	1224.7	1290.6	1356.6	1373.1	1654.0	2028.6	2215.9	2555.6	3235.0
127.5°	1438.5	1371.9	1305.3	1371.9	1438.5	1455.1	1698.6	2023.3	2185.6	2477.3	3060.7
130°	1492.0	1420.3	1348.6	1420.3	1492.0	1509.9	1731.3	2026.5	2174.1	2433.7	2953.1
132.5°	1536.6	1464.9	1393.2	1464.9	1536.6	1554.6	1757.7	2028.6	2164.0	2396.5	2861.4
135°	1590.1	1524.8	1459.5	1524.8	1590.1	1606.5	1786.6	2026.7	2146.8	2341.4	2730.7
137.5°	1656.6	1591.9	1527.2	1591.9	1656.6	1672.7	1829.8	2039.1	2143.8	2308.4	2637.6
140°	1702.5	1642.9	1583.4	1642.9	1702.5	1717.4	1856.2	2041.2	2133.7	2275.9	2560.2
142.5°	1736.7	1681.7	1626.6	1681.7	1736.7	1750.5	1878.3	2048.6	2133.7	2258.6	2508.4
145°	1788.9	1741.0	1692.9	1741.0	1788.9	1801.0	1907.1	2048.6	2119.3	2221.5	2425.7
147.5°	1852.6	1805.9	1759.1	1805.9	1852.6	1864.3	1949.3	2062.7	2119.3	2199.7	2360.4
150°	1887.0	1844.7	1802.4	1844.7	1887.0	1897.5	1971.4	2070.1	2119.3	2187.3	2323.0
152.5°	1911.1	1879.1	1847.1	1879.1	1911.1	1919.1	1985.8	2074.8	2119.3	2177.3	2293.2
155°	1960.7	1937.1	1913.4	1937.1	1960.7	1966.7	2017.6	2085.4	2119.3	2165.5	2257.7
157.5°	2008.4	1985.4	1962.3	1985.4	2008.4	2014.2	2049.2	2095.9	2119.3	2155.2	2226.9
160°	2031.3	2013.4	1995.5	2013.4	2031.3	2035.8	2063.7	2100.8	2119.3	2150.1	2211.5
162.5°	2055.4	2042.0	2028.6	2042.0	2055.4	2058.8	2079.0	2105.9	2119.3	2145.3	2197.2
165°	2088.9	2076.8	2064.6	2076.8	2088.9	2092.0	2101.1	2113.3	2119.3	2137.9	2175.0
167.5°	2109.3	2103.6	2097.8	2103.6	2109.3	2110.7	2118.4	2128.7	2133.7	2145.9	2170.2
170°	2130.9	2125.1	2119.3	2125.1	2130.9	2132.4	2132.8	2133.4	2133.7	2145.9	2170.2
172.5°	2133.4	2132.1	2130.9	2132.1	2133.4	2133.7	2133.7	2133.7	2133.7	2143.4	2162.6
175°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2142.4	2136.7	2133.7	2139.8	2152.0
177.5°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2143.4	2138.9	2136.7	2141.4	2151.1
180°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8



TEST NUMBER: P935821  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1580.2	1575.6	1581.7	1564.7	1581.7	1575.6	1580.2	1591.1	1581.7	1588.0	1594.1
5°	1386.5	1378.8	1354.0	1333.9	1354.0	1378.8	1386.5	1419.1	1434.6	1462.5	1499.7
7.5°	1239.4	1233.2	1227.0	1214.6	1227.0	1233.2	1239.4	1248.6	1264.2	1288.9	1316.9
10°	1206.8	1208.4	1217.7	1216.1	1217.7	1208.4	1206.8	1203.7	1199.1	1203.7	1220.8
12.5°	1290.5	1304.5	1355.6	1352.4	1355.6	1304.5	1290.5	1228.5	1186.7	1178.9	1182.0
15°	1386.5	1391.2	1402.0	1403.6	1402.0	1391.2	1386.5	1361.7	1236.2	1182.0	1165.0
17.5°	1395.9	1397.4	1405.1	1405.1	1405.1	1397.4	1395.9	1385.0	1343.2	1270.3	1174.3
20°	1388.1	1391.2	1406.7	1409.8	1406.7	1391.2	1388.1	1374.1	1350.9	1324.6	1251.8
22.5°	1385.0	1391.2	1403.6	1402.0	1403.6	1391.2	1385.0	1363.3	1343.2	1324.6	1295.1
25°	1369.5	1369.5	1371.1	1372.6	1371.1	1369.5	1369.5	1352.4	1312.2	1307.5	1290.5
27.5°	1337.0	1340.0	1349.3	1347.8	1349.3	1340.0	1337.0	1330.8	1287.4	1282.7	1270.3
30°	1307.5	1304.5	1296.7	1290.5	1296.7	1304.5	1307.5	1298.2	1254.9	1242.5	1245.6
32.5°	1257.9	1250.2	1242.5	1237.9	1242.5	1250.2	1257.9	1254.9	1222.3	1205.3	1208.4
35°	1199.1	1200.7	1199.1	1194.4	1199.1	1200.7	1199.1	1202.2	1182.0	1166.6	1165.0
37.5°	1157.2	1160.4	1158.8	1152.6	1158.8	1160.4	1157.2	1154.2	1126.3	1121.7	1124.7
40°	1113.9	1115.4	1113.9	1109.3	1113.9	1115.4	1113.9	1107.6	1069.0	1070.5	1081.3
42.5°	1072.1	1070.5	1065.8	1062.8	1065.8	1070.5	1072.1	1062.8	1013.2	1008.5	1028.6
45°	1024.0	1025.6	1016.2	1011.6	1016.2	1025.6	1024.0	1017.9	966.7	954.3	968.3
47.5°	976.0	976.0	968.3	963.6	968.3	976.0	976.0	968.3	914.1	901.7	909.4
50°	924.8	923.3	912.4	910.9	912.4	923.3	924.8	920.2	862.9	852.1	852.1
52.5°	866.0	866.0	867.6	870.6	867.6	866.0	866.0	867.6	816.4	805.6	802.5
55°	814.9	816.4	827.3	830.4	827.3	816.4	814.9	814.9	768.4	757.5	751.4
57.5°	762.2	762.2	769.9	769.9	769.9	762.2	762.2	759.1	714.2	704.9	701.8
60°	701.8	704.9	711.1	709.6	711.1	704.9	701.8	698.7	660.0	653.7	643.0
62.5°	638.3	641.4	643.0	639.8	643.0	641.4	638.3	629.0	605.8	601.1	587.1
65°	571.6	574.7	576.3	573.2	576.3	574.7	571.6	567.0	549.9	542.2	529.8
67.5°	503.5	502.0	500.4	506.6	500.4	502.0	503.5	497.3	486.5	480.2	463.2
70°	433.7	433.7	432.2	435.4	432.2	433.7	433.7	429.1	423.0	418.3	402.8
72.5°	359.4	357.9	364.1	359.4	364.1	357.9	359.4	357.9	354.7	350.1	334.6
75°	286.6	289.7	286.6	291.2	286.6	289.7	286.6	288.1	286.6	283.5	272.7
77.5°	218.4	221.5	218.4	218.4	218.4	221.5	218.4	220.0	220.0	220.0	210.7
80°	154.9	153.4	153.4	151.8	153.4	153.4	154.9	154.9	156.5	153.4	150.3
82.5°	99.2	97.6	97.6	100.7	97.6	97.6	99.2	100.7	97.6	97.6	97.6
85°	54.2	55.7	52.7	52.7	52.7	55.7	54.2	51.1	54.2	54.2	52.7
87.5°	20.2	18.6	18.6	18.6	18.6	18.6	20.2	21.7	21.7	21.7	23.3
90°	54.7	54.7	54.7	54.7	54.7	54.7	54.7	73.0	97.3	109.5	94.1
92.5°	273.7	262.9	219.3	175.8	219.3	262.9	273.7	388.0	540.4	616.6	541.4
95°	929.3	896.4	764.4	632.5	764.4	896.4	929.3	1220.4	1608.4	1802.4	1522.3
97.5°	2145.3	2082.5	1831.5	1580.5	1831.5	2082.5	2145.3	2329.2	2574.5	2697.1	2230.0
100°	3012.6	2937.9	2638.9	2339.8	2638.9	2937.9	3012.6	2999.2	2981.2	2972.3	2453.9
102.5°	3753.2	3689.1	3433.0	3176.9	3433.0	3689.1	3753.2	3518.8	3206.4	3050.1	2524.4
105°	4617.6	4583.2	4445.6	4307.9	4445.6	4583.2	4617.6	4092.2	3391.7	3041.4	2532.4
107.5°	5067.1	5075.5	5108.8	5142.1	5108.8	5075.5	5067.1	4334.3	3357.1	2868.6	2419.6
110°	5182.4	5218.3	5361.7	5505.2	5361.7	5218.3	5182.4	4363.1	3270.7	2724.5	2319.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5109.0	5164.0	5384.3	5604.6	5384.3	5164.0	5109.0	4270.4	3152.4	2593.4	2232.5
115°	4859.7	4936.1	5241.5	5546.9	5241.5	4936.1	4859.7	4051.9	2974.9	2436.4	2132.5
117.5°	4515.4	4600.1	4938.8	5277.5	4938.8	4600.1	4515.4	3786.3	2814.3	2328.2	2069.8
120°	4283.4	4365.7	4694.8	5023.9	4694.8	4365.7	4283.4	3617.2	2729.1	2285.1	2048.7
122.5°	4051.4	4132.6	4457.3	4781.9	4457.3	4132.6	4051.4	3451.6	2651.8	2251.9	2037.7
125°	3744.5	3819.3	4118.3	4417.4	4118.3	3819.3	3744.5	3235.0	2555.6	2215.9	2028.6
127.5°	3498.2	3561.2	3813.6	4065.8	3813.6	3561.2	3498.2	3060.7	2477.3	2185.6	2023.3
130°	3342.6	3400.9	3633.9	3867.0	3633.9	3400.9	3342.6	2953.1	2433.7	2174.1	2026.5
132.5°	3210.1	3262.3	3470.9	3679.7	3470.9	3262.3	3210.1	2861.4	2396.5	2164.0	2028.6
135°	3022.7	3067.7	3247.6	3427.6	3247.6	3067.7	3022.7	2730.7	2341.4	2146.8	2026.7
137.5°	2884.4	2921.2	3068.5	3215.8	3068.5	2921.2	2884.4	2637.6	2308.4	2143.8	2039.1
140°	2773.5	2807.9	2945.6	3083.2	2945.6	2807.9	2773.5	2560.2	2275.9	2133.7	2041.2
142.5°	2695.7	2725.3	2843.8	2962.2	2843.8	2725.3	2695.7	2508.4	2258.6	2133.7	2048.6
145°	2579.0	2601.4	2691.1	2780.7	2691.1	2601.4	2579.0	2425.7	2221.5	2119.3	2048.6
147.5°	2481.0	2499.6	2573.9	2648.1	2573.9	2499.6	2481.0	2360.4	2199.7	2119.3	2062.7
150°	2424.8	2439.8	2500.0	2560.2	2500.0	2439.8	2424.8	2323.0	2187.3	2119.3	2070.1
152.5°	2380.1	2391.5	2437.0	2482.4	2437.0	2391.5	2380.1	2293.2	2177.3	2119.3	2074.8
155°	2326.9	2334.4	2364.4	2394.5	2364.4	2334.4	2326.9	2257.7	2165.5	2119.3	2085.4
157.5°	2280.7	2286.1	2307.2	2328.2	2307.2	2286.1	2280.7	2226.9	2155.2	2119.3	2095.9
160°	2257.6	2260.7	2272.9	2285.1	2272.9	2260.7	2257.6	2211.5	2150.1	2119.3	2100.8
162.5°	2236.1	2238.9	2250.5	2262.0	2250.5	2238.9	2236.1	2197.2	2145.3	2119.3	2105.9
165°	2202.9	2206.0	2218.1	2230.3	2218.1	2206.0	2202.9	2175.0	2137.9	2119.3	2113.3
167.5°	2188.5	2189.8	2194.9	2200.0	2194.9	2189.8	2188.5	2170.2	2145.9	2133.7	2128.7
170°	2188.5	2188.5	2188.5	2188.5	2188.5	2188.5	2188.5	2170.2	2145.9	2133.7	2133.4
172.5°	2177.0	2175.9	2171.4	2166.9	2171.4	2175.9	2177.0	2162.6	2143.4	2133.7	2133.7
175°	2161.2	2161.2	2161.2	2161.2	2161.2	2161.2	2161.2	2152.0	2139.8	2133.7	2136.7
177.5°	2158.2	2156.9	2151.8	2146.8	2151.8	2156.9	2158.2	2151.1	2141.4	2136.7	2138.9
180°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1637.5	1637.5	1637.5	1637.5	1637.5
2.5°	1617.4	1625.1	1629.8	1635.9	1651.4
5°	1555.4	1584.8	1594.1	1617.4	1645.3
7.5°	1419.1	1508.9	1533.7	1589.5	1632.9
10°	1287.4	1377.2	1420.6	1552.3	1617.4
12.5°	1220.8	1273.4	1302.9	1487.3	1595.7
15°	1178.9	1216.1	1237.9	1400.5	1570.9
17.5°	1146.4	1172.8	1188.3	1315.3	1536.8
20°	1126.3	1138.7	1152.6	1253.3	1498.1
22.5°	1112.3	1104.6	1115.4	1209.9	1445.4
25°	1103.0	1073.6	1086.0	1175.9	1383.5
27.5°	1110.8	1045.7	1050.4	1144.8	1318.4
30°	1112.3	1011.6	1013.2	1112.3	1245.6
32.5°	1101.5	976.0	977.5	1072.1	1163.5
35°	1075.2	934.2	932.6	1025.6	1051.9
37.5°	1039.5	889.3	889.3	974.4	929.5
40°	996.1	844.3	849.0	907.8	821.1
42.5°	943.5	796.3	802.5	819.5	740.5
45°	886.1	749.8	754.4	692.5	678.5
47.5°	822.6	701.8	703.3	574.7	658.4
50°	746.7	652.2	646.0	492.6	656.9
52.5°	680.1	598.0	579.4	446.1	596.4
55°	615.0	540.7	500.4	410.6	553.1
57.5°	557.7	466.3	427.6	368.7	543.8
60°	505.0	393.5	364.1	323.8	498.9
62.5°	461.7	339.3	333.1	292.8	452.4
65°	415.2	302.1	300.5	266.5	384.2
67.5°	370.3	277.3	275.7	241.7	292.8
70°	322.2	250.9	247.9	215.4	216.9
72.5°	272.7	221.5	218.4	193.7	179.7
75°	223.1	187.4	185.9	168.9	145.6
77.5°	175.1	148.7	151.8	136.4	106.9
80°	125.5	108.4	111.6	97.6	80.5
82.5°	83.6	71.3	74.4	62.0	54.2
85°	46.5	40.3	41.8	32.6	24.8
87.5°	21.7	18.6	18.6	12.4	7.8
90°	63.4	40.3	37.5	25.9	14.4
92.5°	390.9	278.0	253.6	155.5	57.6
95°	962.0	541.7	496.9	317.5	138.3
97.5°	1295.8	595.1	555.5	397.3	239.2
100°	1417.3	639.7	603.8	460.4	316.9
102.5°	1472.9	684.4	650.9	517.1	383.2
105°	1514.3	750.7	722.3	609.0	495.6
107.5°	1521.9	848.6	822.2	716.6	610.9
110°	1510.4	903.4	879.5	784.1	688.7



TEST NUMBER: P935821

CATALOG NUMBER: SQ4-FA-150U-050D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1510.9	969.7	946.9	856.0	765.1
115°	1524.8	1069.1	1048.1	964.2	880.3
117.5°	1553.1	1165.5	1146.5	1070.3	994.1
120°	1576.2	1221.8	1203.8	1132.1	1060.4
122.5°	1609.4	1288.1	1270.0	1197.6	1125.2
125°	1654.0	1373.1	1356.6	1290.6	1224.7
127.5°	1698.6	1455.1	1438.5	1371.9	1305.3
130°	1731.3	1509.9	1492.0	1420.3	1348.6
132.5°	1757.7	1554.6	1536.6	1464.9	1393.2
135°	1786.6	1606.5	1590.1	1524.8	1459.5
137.5°	1829.8	1672.7	1656.6	1591.9	1527.2
140°	1856.2	1717.4	1702.5	1642.9	1583.4
142.5°	1878.3	1750.5	1736.7	1681.7	1626.6
145°	1907.1	1801.0	1788.9	1741.0	1692.9
147.5°	1949.3	1864.3	1852.6	1805.9	1759.1
150°	1971.4	1897.5	1887.0	1844.7	1802.4
152.5°	1985.8	1919.1	1911.1	1879.1	1847.1
155°	2017.6	1966.7	1960.7	1937.1	1913.4
157.5°	2049.2	2014.2	2008.4	1985.4	1962.3
160°	2063.7	2035.8	2031.3	2013.4	1995.5
162.5°	2079.0	2058.8	2055.4	2042.0	2028.6
165°	2101.1	2092.0	2088.9	2076.8	2064.6
167.5°	2118.4	2110.7	2109.3	2103.6	2097.8
170°	2132.8	2132.4	2130.9	2125.1	2119.3
172.5°	2133.7	2133.7	2133.4	2132.1	2130.9
175°	2142.4	2146.8	2146.8	2146.8	2146.8
177.5°	2143.4	2146.8	2146.8	2146.8	2146.8
180°	2146.8	2146.8	2146.8	2146.8	2146.8



TEST NUMBER: P935821  
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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	7.24	7.90	8.40	9.05	10.65	10.09	10.75	11.25	11.90	13.50
	3H	7.70	8.30	8.86	9.45	11.07	11.43	12.02	12.59	13.17	14.79
	4H	7.88	8.45	9.05	9.60	11.22	11.87	12.43	13.04	13.58	15.21
	6H	7.99	8.51	9.17	9.66	11.30	12.15	12.67	13.33	13.82	15.46
	8H	7.99	8.48	9.17	9.65	11.28	12.22	12.71	13.40	13.88	15.51
	12H	7.95	8.42	9.14	9.58	11.23	12.25	12.72	13.44	13.88	15.53
4H	2H	8.25	8.82	9.43	9.97	11.59	10.47	11.04	11.65	12.19	13.82
	3H	9.26	9.73	10.45	10.91	12.55	11.97	12.44	13.15	13.61	15.25
	4H	9.53	9.96	10.71	11.13	12.78	12.49	12.92	13.68	14.09	15.75
	6H	9.64	10.01	10.83	11.20	12.84	12.85	13.22	14.04	14.41	16.05
	8H	9.64	9.99	10.83	11.17	12.83	12.96	13.30	14.14	14.48	16.14
	12H	9.60	9.91	10.80	11.10	12.77	13.01	13.32	14.21	14.51	16.18
8H	4H	9.97	10.31	11.16	11.49	13.16	12.60	12.94	13.79	14.12	15.79
	6H	10.22	10.51	11.43	11.73	13.39	13.03	13.32	14.24	14.54	16.20
	8H	10.26	10.51	11.48	11.71	13.39	13.19	13.43	14.40	14.63	16.31
	12H	10.24	10.46	11.45	11.65	13.36	13.28	13.50	14.50	14.69	16.40
12H	4H	9.97	10.28	11.17	11.47	13.14	12.55	12.87	13.76	14.06	15.72
	6H	10.28	10.53	11.50	11.73	13.41	13.03	13.28	14.24	14.47	16.15
	8H	10.34	10.56	11.56	11.75	13.46	13.18	13.40	14.40	14.60	16.31