

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: P935079

Luminaire Tested: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

**Test Information**

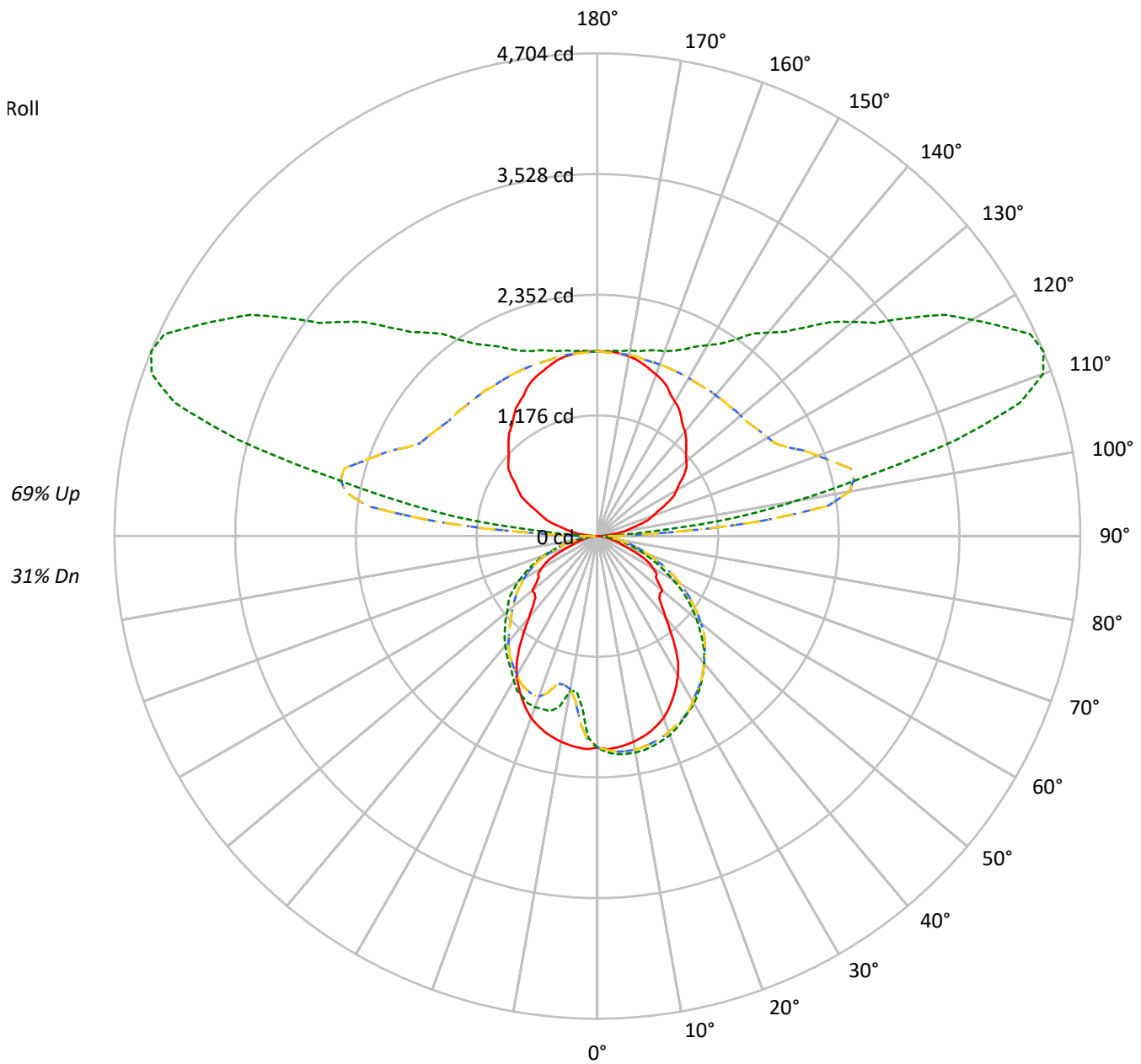
Test Method: LM-79-2019  
Report Number: P935079  
REPORT IS A COMBINATION OF REPORTS P933737 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17029.2 lumens  
Efficiency: N/A  
Efficacy: 137.8 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): 123.6  
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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31		
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33	27		
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	22		
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19		
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20	16		
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14		
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15	12		
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14	11		
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10		
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11	9		
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8		

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

	0°	90°	180°	270°
0°	6374	6374	6374	6374
5°	6424	6434	6424	5059
10°	6383	6338	6383	4531
15°	6316	6201	6316	5178
20°	6187	6038	6187	5188
25°	5919	5801	5919	5078
30°	5572	5604	5572	4837
35°	4970	5355	4970	4572
40°	4143	5061	4143	4371
45°	3704	4718	3704	4141
50°	3939	4308	3939	3909
55°	3709	3868	3709	3776
60°	3828	3285	3828	3458
65°	3477	2716	3477	3035
70°	2414	2164	2414	2544
75°	2123	1600	2123	1915
80°	1725	1058	1725	1152
85°	1011	560	1011	476

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 5674 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.0	1.1
10°-20°	528.1	3.1
20°-30°	816.4	4.8
30°-40°	974.6	5.7
40°-50°	980.4	5.8
50°-60°	853.0	5.0
60°-70°	604.8	3.6
70°-80°	320.0	1.9
80°-90°	86.6	0.5
90°-100°	878.2	5.2
100°-110°	2308.8	13.6
110°-120°	2394.0	14.1
120°-130°	1920.3	11.3
130°-140°	1506.8	8.8
140°-150°	1156.5	6.8
150°-160°	832.9	4.9
160°-170°	509.6	3.0
170°-180°	172.2	1.0
0°-30°	1530.6	9.0
0°-40°	2505.2	14.7
0°-60°	4338.6	25.5
0°-90°	5350.0	31.4
90°-120°	5581.1	32.8
90°-150°	10164.6	59.7
90°-180°	11679.0	68.6
0°-180°	17029.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2061	2061	2061	2061	2061	
5°	2070	2135	2070	1679	2070	196
15°	1977	2115	1977	1766	1977	556
25°	1741	1973	1741	1727	1741	799
35°	1324	1760	1324	1503	1324	819
45°	854	1450	854	1273	854	684
55°	696	1070	696	1045	696	640
65°	484	645	484	721	484	462
75°	183	306	183	366	183	193
85°	31	78	31	66	31	42
90°	12	46	12	46	12	11
95°	116	531	116	531	116	129
105°	416	3615	416	3615	416	441
115°	739	4655	739	4655	739	730
125°	1028	3707	1028	3707	1028	913
135°	1225	2877	1225	2877	1225	948
145°	1421	2334	1421	2334	1421	890
155°	1606	2010	1606	2010	1606	738
165°	1733	1872	1733	1872	1733	489
175°	1802	1814	1802	1814	1802	171
180°	1802	1802	1802	1802	1802	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2078.2	2078.2	2089.9	2093.8	2093.8	2088.0	2082.2	2088.0	2105.5	2111.4	2109.4
5°	2070.5	2086.1	2107.5	2111.4	2115.3	2113.4	2109.4	2113.4	2132.9	2136.7	2138.7
7.5°	2054.9	2084.1	2111.4	2117.3	2123.1	2117.3	2115.3	2119.2	2138.7	2142.6	2142.6
10°	2035.4	2076.3	2107.5	2111.4	2117.3	2111.4	2111.4	2119.2	2138.7	2142.6	2144.6
12.5°	2008.1	2064.6	2093.8	2097.8	2105.5	2103.6	2101.7	2109.4	2129.0	2132.9	2132.9
15°	1976.9	2043.1	2070.5	2074.3	2088.0	2084.1	2084.1	2091.9	2113.4	2119.2	2117.3
17.5°	1934.0	2015.9	2047.1	2052.9	2062.7	2060.7	2062.7	2070.5	2089.9	2093.8	2095.9
20°	1885.3	1978.8	2015.9	2021.7	2031.5	2031.5	2031.5	2041.2	2060.7	2068.5	2068.5
22.5°	1819.0	1939.8	1978.8	1982.8	1994.4	1994.4	1998.4	2011.9	2029.5	2031.5	2031.5
25°	1741.0	1896.9	1930.1	1941.8	1953.5	1959.3	1965.2	1973.0	1978.8	1976.9	1978.8
27.5°	1659.1	1842.4	1885.3	1893.0	1908.6	1914.5	1922.3	1924.2	1926.2	1932.0	1928.1
30°	1567.5	1766.3	1830.6	1838.5	1863.8	1867.7	1859.9	1863.8	1873.6	1877.4	1881.3
32.5°	1464.2	1653.2	1774.1	1791.7	1815.0	1803.4	1801.4	1807.3	1822.9	1822.9	1826.8
35°	1323.8	1565.5	1721.5	1737.1	1754.7	1741.0	1748.8	1750.7	1760.5	1766.3	1764.4
37.5°	1169.8	1489.4	1666.9	1678.6	1692.3	1674.7	1686.4	1692.3	1700.0	1696.1	1696.1
40°	1033.2	1370.6	1602.5	1610.4	1622.0	1608.4	1620.1	1624.0	1627.9	1624.0	1622.0
42.5°	931.9	1239.9	1534.3	1544.1	1536.3	1546.0	1549.9	1557.8	1551.9	1544.1	1544.1
45°	853.9	1204.9	1460.3	1471.9	1460.3	1475.9	1481.7	1481.7	1464.2	1460.3	1458.2
47.5°	828.6	1134.7	1386.2	1386.2	1380.3	1399.8	1409.5	1395.9	1378.4	1372.5	1372.5
50°	826.7	1056.7	1284.8	1276.9	1304.3	1327.6	1317.9	1304.3	1290.6	1269.2	1269.2
52.5°	750.6	961.2	1154.2	1183.4	1226.3	1239.9	1224.3	1210.7	1187.3	1177.5	1169.8
55°	696.0	861.7	1035.2	1093.7	1138.6	1156.1	1126.9	1113.2	1078.1	1072.3	1068.4
57.5°	684.3	717.4	926.1	1000.1	1054.8	1052.8	1035.2	1009.9	980.6	974.8	972.9
60°	627.8	518.6	809.1	896.8	953.3	947.5	931.9	908.5	881.2	877.3	873.5
62.5°	569.3	376.3	676.5	776.0	855.8	853.9	840.3	805.1	785.7	776.0	768.1
65°	483.5	315.8	481.6	645.4	760.4	764.3	735.0	709.7	688.2	676.5	674.5
67.5°	368.5	257.4	325.6	538.1	668.7	664.8	627.8	616.1	588.8	583.0	571.2
70°	273.0	171.6	226.2	436.7	579.1	569.3	540.0	526.4	501.1	487.4	479.6
72.5°	226.2	138.4	165.7	339.2	487.4	475.7	450.4	434.8	413.3	401.7	393.8
75°	183.2	146.2	126.7	251.5	395.7	388.0	364.5	348.9	331.4	315.8	317.7
77.5°	134.5	136.4	101.4	185.2	313.9	302.2	288.6	269.1	261.2	245.6	245.6
80°	101.4	107.3	76.1	126.7	226.2	226.2	214.4	200.8	187.1	179.4	179.4
82.5°	68.2	68.2	56.5	79.9	154.0	148.2	140.4	136.4	128.7	124.8	124.8
85°	31.2	39.0	35.1	48.7	83.8	87.7	87.7	83.8	81.9	78.0	79.9
87.5°	9.8	17.5	21.4	27.3	42.9	44.9	46.8	46.8	46.8	48.7	48.7
90°	12.1	21.8	31.4	33.8	53.2	79.0	91.9	81.7	61.2	45.9	45.9
92.5°	48.4	130.5	212.8	233.3	328.1	454.4	517.5	453.6	325.7	229.7	220.6
95°	116.1	266.6	417.1	454.7	807.3	1277.5	1512.6	1349.8	1024.1	779.9	752.1
97.5°	200.7	333.4	466.2	499.4	1087.4	1871.4	2263.5	2160.6	1954.8	1800.4	1747.8
100°	266.0	386.3	506.7	536.8	1189.4	2059.4	2494.5	2502.1	2517.1	2528.3	2465.6
102.5°	321.6	433.9	546.2	574.3	1236.2	2118.6	2559.8	2690.9	2953.1	3149.8	3096.1
105°	416.0	511.1	606.2	629.9	1270.8	2125.3	2552.5	2846.5	3434.4	3875.3	3846.4
107.5°	512.7	601.4	690.0	712.2	1277.2	2030.6	2407.4	2817.5	3637.5	4252.6	4259.5
110°	578.0	658.0	738.1	758.1	1267.5	1946.8	2286.5	2744.9	3661.7	4349.3	4379.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	642.1	718.4	794.7	813.8	1268.0	1873.7	2176.5	2645.7	3583.9	4287.6	4333.9
115°	738.8	809.2	879.6	897.2	1279.7	1789.6	2044.7	2496.6	3400.5	4078.4	4142.5
117.5°	834.3	898.3	962.2	978.2	1303.5	1737.1	1954.0	2361.8	3177.6	3789.5	3860.5
120°	889.9	950.1	1010.4	1025.4	1322.9	1719.5	1917.7	2290.4	3035.8	3594.8	3663.9
122.5°	944.4	1005.1	1065.8	1081.0	1350.7	1710.2	1889.9	2225.5	2896.7	3400.1	3468.2
125°	1027.8	1083.1	1138.5	1152.3	1388.1	1702.5	1859.7	2144.8	2714.9	3142.6	3205.3
127.5°	1095.5	1151.4	1207.3	1221.2	1425.6	1698.1	1834.3	2079.1	2568.6	2935.8	2988.7
130°	1131.8	1192.0	1252.1	1267.2	1453.0	1700.8	1824.6	2042.6	2478.4	2805.3	2854.2
132.5°	1169.3	1229.5	1289.6	1304.7	1475.1	1702.4	1816.1	2011.2	2401.4	2694.0	2737.8
135°	1224.9	1279.7	1334.5	1348.2	1499.3	1700.9	1801.7	1965.0	2291.7	2536.7	2574.5
137.5°	1281.7	1336.0	1390.2	1403.8	1535.6	1711.4	1799.2	1937.3	2213.6	2420.8	2451.7
140°	1328.9	1378.9	1428.8	1441.3	1557.8	1713.1	1790.7	1910.0	2148.7	2327.6	2356.5
142.5°	1365.1	1411.3	1457.6	1469.1	1576.3	1719.2	1790.7	1895.6	2105.2	2262.3	2287.1
145°	1420.7	1461.1	1501.4	1511.4	1600.5	1719.3	1778.7	1864.4	2035.8	2164.4	2183.2
147.5°	1476.4	1515.6	1554.9	1564.6	1636.0	1731.1	1778.7	1846.1	1981.0	2082.2	2097.8
150°	1512.6	1548.1	1583.5	1592.5	1654.6	1737.3	1778.7	1835.7	1949.5	2035.0	2047.6
152.5°	1550.1	1577.0	1603.9	1610.6	1666.6	1741.3	1778.7	1827.3	1924.5	1997.5	2007.0
155°	1605.7	1625.6	1645.6	1650.5	1693.2	1750.2	1778.7	1817.4	1894.7	1952.7	1959.0
157.5°	1646.8	1666.2	1685.6	1690.4	1719.9	1759.1	1778.7	1808.7	1868.9	1914.1	1918.5
160°	1674.6	1689.7	1704.8	1708.5	1731.9	1763.1	1778.7	1804.5	1856.0	1894.7	1897.2
162.5°	1702.4	1713.7	1725.0	1727.8	1744.8	1767.4	1778.7	1800.4	1843.9	1876.6	1879.0
165°	1732.7	1742.8	1753.1	1755.6	1763.3	1773.6	1778.7	1794.3	1825.4	1848.8	1851.3
167.5°	1760.5	1765.3	1770.2	1771.4	1777.8	1786.4	1790.7	1801.0	1821.4	1836.7	1837.8
170°	1778.7	1783.5	1788.4	1789.5	1789.9	1790.4	1790.7	1801.0	1821.4	1836.7	1836.7
172.5°	1788.3	1789.4	1790.4	1790.7	1790.7	1790.7	1790.7	1798.8	1814.9	1827.0	1826.1
175°	1801.7	1801.7	1801.7	1801.7	1798.0	1793.1	1790.7	1795.8	1806.0	1813.7	1813.7
177.5°	1801.7	1801.7	1801.7	1801.7	1798.9	1795.1	1793.1	1797.2	1805.2	1811.3	1810.2
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2113.4	2107.5	2113.4	2109.4	2111.4	2105.5	2088.0	2082.2	2088.0	2093.8	2093.8
5°	2138.7	2134.8	2138.7	2138.7	2136.7	2132.9	2113.4	2109.4	2113.4	2115.3	2111.4
7.5°	2146.5	2140.6	2146.5	2142.6	2142.6	2138.7	2119.2	2115.3	2117.3	2123.1	2117.3
10°	2146.5	2140.6	2146.5	2144.6	2142.6	2138.7	2119.2	2111.4	2111.4	2117.3	2111.4
12.5°	2136.7	2132.9	2136.7	2132.9	2132.9	2129.0	2109.4	2101.7	2103.6	2105.5	2097.8
15°	2121.1	2115.3	2121.1	2117.3	2119.2	2113.4	2091.9	2084.1	2084.1	2088.0	2074.3
17.5°	2097.8	2089.9	2097.8	2095.9	2093.8	2089.9	2070.5	2062.7	2060.7	2062.7	2052.9
20°	2070.5	2064.6	2070.5	2068.5	2068.5	2060.7	2041.2	2031.5	2031.5	2031.5	2021.7
22.5°	2027.5	2021.7	2027.5	2031.5	2031.5	2029.5	2011.9	1998.4	1994.4	1994.4	1982.8
25°	1978.8	1973.0	1978.8	1978.8	1976.9	1978.8	1973.0	1965.2	1959.3	1953.5	1941.8
27.5°	1932.0	1928.1	1932.0	1928.1	1932.0	1926.2	1924.2	1922.3	1914.5	1908.6	1893.0
30°	1885.3	1881.3	1885.3	1881.3	1877.4	1873.6	1863.8	1859.9	1867.7	1863.8	1838.5
32.5°	1826.8	1822.9	1826.8	1826.8	1822.9	1822.9	1807.3	1801.4	1803.4	1815.0	1791.7
35°	1766.3	1760.5	1766.3	1764.4	1766.3	1760.5	1750.7	1748.8	1741.0	1754.7	1737.1
37.5°	1696.1	1690.3	1696.1	1696.1	1696.1	1700.0	1692.3	1686.4	1674.7	1692.3	1678.6
40°	1624.0	1616.2	1624.0	1622.0	1624.0	1627.9	1624.0	1620.1	1608.4	1622.0	1610.4
42.5°	1542.2	1540.1	1542.2	1544.1	1544.1	1551.9	1557.8	1549.9	1546.0	1536.3	1544.1
45°	1454.4	1450.5	1454.4	1458.2	1460.3	1464.2	1481.7	1481.7	1475.9	1460.3	1471.9
47.5°	1360.8	1351.1	1360.8	1372.5	1372.5	1378.4	1395.9	1409.5	1399.8	1380.3	1386.2
50°	1261.3	1263.3	1261.3	1269.2	1269.2	1290.6	1304.3	1317.9	1327.6	1304.3	1276.9
52.5°	1163.9	1161.9	1163.9	1169.8	1177.5	1187.3	1210.7	1224.3	1239.9	1226.3	1183.4
55°	1066.4	1070.4	1066.4	1068.4	1072.3	1078.1	1113.2	1126.9	1156.1	1138.6	1093.7
57.5°	968.9	963.1	968.9	972.9	974.8	980.6	1009.9	1035.2	1052.8	1054.8	1000.1
60°	855.8	848.1	855.8	873.5	877.3	881.2	908.5	931.9	947.5	953.3	896.8
62.5°	756.4	742.8	756.4	768.1	776.0	785.7	805.1	840.3	853.9	855.8	776.0
65°	651.2	645.4	651.2	674.5	676.5	688.2	709.7	735.0	764.3	760.4	645.4
67.5°	555.6	555.6	555.6	571.2	583.0	588.8	616.1	627.8	664.8	668.7	538.1
70°	467.9	466.0	467.9	479.6	487.4	501.1	526.4	540.0	569.3	579.1	436.7
72.5°	384.1	382.1	384.1	393.8	401.7	413.3	434.8	450.4	475.7	487.4	339.2
75°	310.0	306.1	310.0	317.7	315.8	331.4	348.9	364.5	388.0	395.7	251.5
77.5°	237.9	237.9	237.9	245.6	245.6	261.2	269.1	288.6	302.2	313.9	185.2
80°	177.4	175.5	177.4	179.4	179.4	187.1	200.8	214.4	226.2	226.2	126.7
82.5°	124.8	120.8	124.8	124.8	124.8	128.7	136.4	140.4	148.2	154.0	79.9
85°	78.0	78.0	78.0	79.9	78.0	81.9	83.8	87.7	87.7	83.8	48.7
87.5°	50.7	48.7	50.7	48.7	48.7	46.8	46.8	46.8	44.9	42.9	27.3
90°	45.9	45.9	45.9	45.9	45.9	61.2	81.7	91.9	79.0	53.2	33.8
92.5°	184.0	147.5	184.0	220.6	229.7	325.7	453.6	517.5	454.4	328.1	233.3
95°	641.5	530.8	641.5	752.1	779.9	1024.1	1349.8	1512.6	1277.5	807.3	454.7
97.5°	1537.1	1326.5	1537.1	1747.8	1800.4	1954.8	2160.6	2263.5	1871.4	1087.4	499.4
100°	2214.6	1963.7	2214.6	2465.6	2528.3	2517.1	2502.1	2494.5	2059.4	1189.4	536.8
102.5°	2881.1	2666.2	2881.1	3096.1	3149.8	2953.1	2690.9	2559.8	2118.6	1236.2	574.3
105°	3730.8	3615.3	3730.8	3846.4	3875.3	3434.4	2846.5	2552.5	2125.3	1270.8	629.9
107.5°	4287.5	4315.4	4287.5	4259.5	4252.6	3637.5	2817.5	2407.4	2030.6	1277.2	712.2
110°	4499.7	4620.2	4499.7	4379.4	4349.3	3661.7	2744.9	2286.5	1946.8	1267.5	758.1





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4518.7	4703.6	4518.7	4333.9	4287.6	3583.9	2645.7	2176.5	1873.7	1268.0	813.8
115°	4398.9	4655.2	4398.9	4142.5	4078.4	3400.5	2496.6	2044.7	1789.6	1279.7	897.2
117.5°	4144.8	4429.1	4144.8	3860.5	3789.5	3177.6	2361.8	1954.0	1737.1	1303.5	978.2
120°	3940.1	4216.3	3940.1	3663.9	3594.8	3035.8	2290.4	1917.7	1719.5	1322.9	1025.4
122.5°	3740.6	4013.1	3740.6	3468.2	3400.1	2896.7	2225.5	1889.9	1710.2	1350.7	1081.0
125°	3456.2	3707.2	3456.2	3205.3	3142.6	2714.9	2144.8	1859.7	1702.5	1388.1	1152.3
127.5°	3200.5	3412.2	3200.5	2988.7	2935.8	2568.6	2079.1	1834.3	1698.1	1425.6	1221.2
130°	3049.7	3245.4	3049.7	2854.2	2805.3	2478.4	2042.6	1824.6	1700.8	1453.0	1267.2
132.5°	2913.0	3088.2	2913.0	2737.8	2694.0	2401.4	2011.2	1816.1	1702.4	1475.1	1304.7
135°	2725.5	2876.6	2725.5	2574.5	2536.7	2291.7	1965.0	1801.7	1700.9	1499.3	1348.2
137.5°	2575.2	2698.9	2575.2	2451.7	2420.8	2213.6	1937.3	1799.2	1711.4	1535.6	1403.8
140°	2472.1	2587.6	2472.1	2356.5	2327.6	2148.7	1910.0	1790.7	1713.1	1557.8	1441.3
142.5°	2386.6	2486.0	2386.6	2287.1	2262.3	2105.2	1895.6	1790.7	1719.2	1576.3	1469.1
145°	2258.4	2333.6	2258.4	2183.2	2164.4	2035.8	1864.4	1778.7	1719.3	1600.5	1511.4
147.5°	2160.1	2222.4	2160.1	2097.8	2082.2	1981.0	1846.1	1778.7	1731.1	1636.0	1564.6
150°	2098.2	2148.7	2098.2	2047.6	2035.0	1949.5	1835.7	1778.7	1737.3	1654.6	1592.5
152.5°	2045.2	2083.4	2045.2	2007.0	1997.5	1924.5	1827.3	1778.7	1741.3	1666.6	1610.6
155°	1984.3	2009.6	1984.3	1959.0	1952.7	1894.7	1817.4	1778.7	1750.2	1693.2	1650.5
157.5°	1936.3	1954.0	1936.3	1918.5	1914.1	1868.9	1808.7	1778.7	1759.1	1719.9	1690.4
160°	1907.5	1917.7	1907.5	1897.2	1894.7	1856.0	1804.5	1778.7	1763.1	1731.9	1708.5
162.5°	1888.7	1898.4	1888.7	1879.0	1876.6	1843.9	1800.4	1778.7	1767.4	1744.8	1727.8
165°	1861.5	1871.7	1861.5	1851.3	1848.8	1825.4	1794.3	1778.7	1773.6	1763.3	1755.6
167.5°	1842.1	1846.3	1842.1	1837.8	1836.7	1821.4	1801.0	1790.7	1786.4	1777.8	1771.4
170°	1836.7	1836.7	1836.7	1836.7	1836.7	1821.4	1801.0	1790.7	1790.4	1789.9	1789.5
172.5°	1822.3	1818.5	1822.3	1826.1	1827.0	1814.9	1798.8	1790.7	1790.7	1790.7	1790.7
175°	1813.7	1813.7	1813.7	1813.7	1813.7	1806.0	1795.8	1790.7	1793.1	1798.0	1801.7
177.5°	1805.9	1801.7	1805.9	1810.2	1811.3	1805.2	1797.2	1793.1	1795.1	1798.9	1801.7
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2089.9	2078.2	2078.2	2058.7	2051.0	2045.1	2035.4	2006.1	1998.4	1990.5	2002.2
5°	2107.5	2086.1	2070.5	2035.4	2006.1	1994.4	1957.4	1887.2	1840.4	1805.3	1785.9
7.5°	2111.4	2084.1	2054.9	2000.3	1930.1	1898.9	1785.9	1657.2	1622.0	1590.9	1571.3
10°	2107.5	2076.3	2035.4	1953.5	1787.8	1733.2	1620.1	1536.3	1514.8	1509.0	1514.8
12.5°	2093.8	2064.6	2008.1	1871.6	1639.6	1602.5	1536.3	1487.5	1483.6	1493.4	1546.0
15°	2070.5	2043.1	1976.9	1762.4	1557.8	1530.4	1483.6	1466.1	1487.5	1555.7	1713.7
17.5°	2047.1	2015.9	1934.0	1655.2	1495.4	1475.9	1442.6	1477.8	1598.7	1690.3	1742.9
20°	2015.9	1978.8	1885.3	1577.2	1450.5	1433.0	1417.4	1575.3	1666.9	1700.0	1729.3
22.5°	1978.8	1939.8	1819.0	1522.6	1403.7	1390.0	1399.8	1629.9	1666.9	1690.3	1715.6
25°	1930.1	1896.9	1741.0	1479.8	1366.7	1351.1	1388.1	1624.0	1645.5	1651.3	1702.0
27.5°	1885.3	1842.4	1659.1	1440.7	1321.8	1316.0	1397.9	1598.7	1614.3	1620.1	1674.7
30°	1830.6	1766.3	1567.5	1399.8	1275.0	1273.1	1399.8	1567.5	1563.6	1579.2	1633.7
32.5°	1774.1	1653.2	1464.2	1349.1	1230.1	1228.2	1386.2	1520.7	1516.8	1538.2	1579.2
35°	1721.5	1565.5	1323.8	1290.6	1173.7	1175.6	1353.0	1466.1	1468.0	1487.5	1512.9
37.5°	1666.9	1489.4	1169.8	1226.3	1119.1	1119.1	1308.1	1415.4	1411.5	1417.4	1452.4
40°	1602.5	1370.6	1033.2	1142.5	1068.4	1062.5	1253.6	1360.8	1347.2	1345.3	1393.9
42.5°	1534.3	1239.9	931.9	1031.3	1009.9	1002.0	1187.3	1294.5	1269.2	1275.0	1337.4
45°	1460.3	1204.9	853.9	871.4	949.4	943.6	1115.1	1218.5	1201.0	1216.6	1280.9
47.5°	1386.2	1134.7	828.6	723.3	885.1	883.1	1035.2	1144.4	1134.7	1150.3	1218.5
50°	1284.8	1056.7	826.7	620.0	813.0	820.7	939.7	1072.3	1072.3	1086.0	1158.1
52.5°	1154.2	961.2	750.6	561.4	729.2	752.5	855.8	1009.9	1013.8	1027.4	1091.8
55°	1035.2	861.7	696.0	516.7	629.8	680.4	773.9	945.6	953.3	967.0	1025.5
57.5°	926.1	717.4	684.3	464.0	538.1	586.8	701.8	883.1	887.0	898.7	955.3
60°	809.1	518.6	627.8	407.5	458.1	495.2	635.6	809.1	822.7	830.5	879.3
62.5°	676.5	376.3	569.3	368.5	419.2	426.9	581.0	738.9	756.4	762.3	791.6
65°	481.6	315.8	483.5	335.4	378.2	380.1	522.5	666.8	682.4	692.1	713.6
67.5°	325.6	257.4	368.5	304.2	347.0	348.9	466.0	583.0	604.4	612.2	625.8
70°	226.2	171.6	273.0	271.0	311.9	315.8	405.5	506.9	526.4	532.3	540.0
72.5°	165.7	138.4	226.2	243.7	274.9	278.8	343.1	421.1	440.6	446.4	450.4
75°	126.7	146.2	183.2	212.5	233.9	235.9	280.7	343.1	356.8	360.7	362.6
77.5°	101.4	136.4	134.5	171.6	191.1	187.1	220.4	265.1	276.8	276.8	276.8
80°	76.1	107.3	101.4	122.9	140.4	136.4	157.9	189.1	193.0	196.9	195.0
82.5°	56.5	68.2	68.2	78.0	93.6	89.7	105.2	122.9	122.9	122.9	126.7
85°	35.1	39.0	31.2	41.0	52.6	50.7	58.5	66.3	68.2	68.2	64.3
87.5°	21.4	17.5	9.8	15.6	23.4	23.4	27.3	29.3	27.3	27.3	27.3
90°	31.4	21.8	12.1	21.8	31.4	33.8	53.2	79.0	91.9	81.7	61.2
92.5°	212.8	130.5	48.4	130.5	212.8	233.3	328.1	454.4	517.5	453.6	325.7
95°	417.1	266.6	116.1	266.6	417.1	454.7	807.3	1277.5	1512.6	1349.8	1024.1
97.5°	466.2	333.4	200.7	333.4	466.2	499.4	1087.4	1871.4	2263.5	2160.6	1954.8
100°	506.7	386.3	266.0	386.3	506.7	536.8	1189.4	2059.4	2494.5	2502.1	2517.1
102.5°	546.2	433.9	321.6	433.9	546.2	574.3	1236.2	2118.6	2559.8	2690.9	2953.1
105°	606.2	511.1	416.0	511.1	606.2	629.9	1270.8	2125.3	2552.5	2846.5	3434.4
107.5°	690.0	601.4	512.7	601.4	690.0	712.2	1277.2	2030.6	2407.4	2817.5	3637.5
110°	738.1	658.0	578.0	658.0	738.1	758.1	1267.5	1946.8	2286.5	2744.9	3661.7



TEST NUMBER: P935079

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	794.7	718.4	642.1	718.4	794.7	813.8	1268.0	1873.7	2176.5	2645.7	3583.9
115°	879.6	809.2	738.8	809.2	879.6	897.2	1279.7	1789.6	2044.7	2496.6	3400.5
117.5°	962.2	898.3	834.3	898.3	962.2	978.2	1303.5	1737.1	1954.0	2361.8	3177.6
120°	1010.4	950.1	889.9	950.1	1010.4	1025.4	1322.9	1719.5	1917.7	2290.4	3035.8
122.5°	1065.8	1005.1	944.4	1005.1	1065.8	1081.0	1350.7	1710.2	1889.9	2225.5	2896.7
125°	1138.5	1083.1	1027.8	1083.1	1138.5	1152.3	1388.1	1702.5	1859.7	2144.8	2714.9
127.5°	1207.3	1151.4	1095.5	1151.4	1207.3	1221.2	1425.6	1698.1	1834.3	2079.1	2568.6
130°	1252.1	1192.0	1131.8	1192.0	1252.1	1267.2	1453.0	1700.8	1824.6	2042.6	2478.4
132.5°	1289.6	1229.5	1169.3	1229.5	1289.6	1304.7	1475.1	1702.4	1816.1	2011.2	2401.4
135°	1334.5	1279.7	1224.9	1279.7	1334.5	1348.2	1499.3	1700.9	1801.7	1965.0	2291.7
137.5°	1390.2	1336.0	1281.7	1336.0	1390.2	1403.8	1535.6	1711.4	1799.2	1937.3	2213.6
140°	1428.8	1378.9	1328.9	1378.9	1428.8	1441.3	1557.8	1713.1	1790.7	1910.0	2148.7
142.5°	1457.6	1411.3	1365.1	1411.3	1457.6	1469.1	1576.3	1719.2	1790.7	1895.6	2105.2
145°	1501.4	1461.1	1420.7	1461.1	1501.4	1511.4	1600.5	1719.3	1778.7	1864.4	2035.8
147.5°	1554.9	1515.6	1476.4	1515.6	1554.9	1564.6	1636.0	1731.1	1778.7	1846.1	1981.0
150°	1583.5	1548.1	1512.6	1548.1	1583.5	1592.5	1654.6	1737.3	1778.7	1835.7	1949.5
152.5°	1603.9	1577.0	1550.1	1577.0	1603.9	1610.6	1666.6	1741.3	1778.7	1827.3	1924.5
155°	1645.6	1625.6	1605.7	1625.6	1645.6	1650.5	1693.2	1750.2	1778.7	1817.4	1894.7
157.5°	1685.6	1666.2	1646.8	1666.2	1685.6	1690.4	1719.9	1759.1	1778.7	1808.7	1868.9
160°	1704.8	1689.7	1674.6	1689.7	1704.8	1708.5	1731.9	1763.1	1778.7	1804.5	1856.0
162.5°	1725.0	1713.7	1702.4	1713.7	1725.0	1727.8	1744.8	1767.4	1778.7	1800.4	1843.9
165°	1753.1	1742.8	1732.7	1742.8	1753.1	1755.6	1763.3	1773.6	1778.7	1794.3	1825.4
167.5°	1770.2	1765.3	1760.5	1765.3	1770.2	1771.4	1777.8	1786.4	1790.7	1801.0	1821.4
170°	1788.4	1783.5	1778.7	1783.5	1788.4	1789.5	1789.9	1790.4	1790.7	1801.0	1821.4
172.5°	1790.4	1789.4	1788.3	1789.4	1790.4	1790.7	1790.7	1790.7	1790.7	1798.8	1814.9
175°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1798.0	1793.1	1790.7	1795.8	1806.0
177.5°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1798.9	1795.1	1793.1	1797.2	1805.2
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935079  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	1988.6	1982.8	1990.5	1969.1	1990.5	1982.8	1988.6	2002.2	1990.5	1998.4	2006.1
5°	1744.9	1735.1	1704.0	1678.6	1704.0	1735.1	1744.9	1785.9	1805.3	1840.4	1887.2
7.5°	1559.7	1551.9	1544.1	1528.5	1544.1	1551.9	1559.7	1571.3	1590.9	1622.0	1657.2
10°	1518.7	1520.7	1532.4	1530.4	1532.4	1520.7	1518.7	1514.8	1509.0	1514.8	1536.3
12.5°	1624.0	1641.6	1705.9	1702.0	1705.9	1641.6	1624.0	1546.0	1493.4	1483.6	1487.5
15°	1744.9	1750.7	1764.4	1766.3	1764.4	1750.7	1744.9	1713.7	1555.7	1487.5	1466.1
17.5°	1756.6	1758.5	1768.2	1768.2	1768.2	1758.5	1756.6	1742.9	1690.3	1598.7	1477.8
20°	1746.8	1750.7	1770.3	1774.1	1770.3	1750.7	1746.8	1729.3	1700.0	1666.9	1575.3
22.5°	1742.9	1750.7	1766.3	1764.4	1766.3	1750.7	1742.9	1715.6	1690.3	1666.9	1629.9
25°	1723.5	1723.5	1725.4	1727.3	1725.4	1723.5	1723.5	1702.0	1651.3	1645.5	1624.0
27.5°	1682.5	1686.4	1698.1	1696.1	1698.1	1686.4	1682.5	1674.7	1620.1	1614.3	1598.7
30°	1645.5	1641.6	1631.8	1624.0	1631.8	1641.6	1645.5	1633.7	1579.2	1563.6	1567.5
32.5°	1583.1	1573.3	1563.6	1557.8	1563.6	1573.3	1583.1	1579.2	1538.2	1516.8	1520.7
35°	1509.0	1511.0	1509.0	1503.1	1509.0	1511.0	1509.0	1512.9	1487.5	1468.0	1466.1
37.5°	1456.3	1460.3	1458.2	1450.5	1458.2	1460.3	1456.3	1452.4	1417.4	1411.5	1415.4
40°	1401.8	1403.7	1401.8	1395.9	1401.8	1403.7	1401.8	1393.9	1345.3	1347.2	1360.8
42.5°	1349.1	1347.2	1341.3	1337.4	1341.3	1347.2	1349.1	1337.4	1275.0	1269.2	1294.5
45°	1288.7	1290.6	1278.9	1273.1	1278.9	1290.6	1288.7	1280.9	1216.6	1201.0	1218.5
47.5°	1228.2	1228.2	1218.5	1212.6	1218.5	1228.2	1228.2	1218.5	1150.3	1134.7	1144.4
50°	1163.9	1161.9	1148.3	1146.3	1148.3	1161.9	1163.9	1158.1	1086.0	1072.3	1072.3
52.5°	1089.8	1089.8	1091.8	1095.6	1091.8	1089.8	1089.8	1091.8	1027.4	1013.8	1009.9
55°	1025.5	1027.4	1041.1	1045.0	1041.1	1027.4	1025.5	1025.5	967.0	953.3	945.6
57.5°	959.2	959.2	968.9	968.9	968.9	959.2	959.2	955.3	898.7	887.0	883.1
60°	883.1	887.0	894.9	892.9	894.9	887.0	883.1	879.3	830.5	822.7	809.1
62.5°	803.2	807.2	809.1	805.1	809.1	807.2	803.2	791.6	762.3	756.4	738.9
65°	719.4	723.3	725.2	721.3	725.2	723.3	719.4	713.6	692.1	682.4	666.8
67.5°	633.6	631.7	629.8	637.5	629.8	631.7	633.6	625.8	612.2	604.4	583.0
70°	545.8	545.8	543.9	547.9	543.9	545.8	545.8	540.0	532.3	526.4	506.9
72.5°	452.3	450.4	458.1	452.3	458.1	450.4	452.3	450.4	446.4	440.6	421.1
75°	360.7	364.5	360.7	366.5	360.7	364.5	360.7	362.6	360.7	356.8	343.1
77.5°	274.9	278.8	274.9	274.9	274.9	278.8	274.9	276.8	276.8	276.8	265.1
80°	195.0	193.0	193.0	191.1	193.0	193.0	195.0	195.0	196.9	193.0	189.1
82.5°	124.8	122.9	122.9	126.7	122.9	122.9	124.8	126.7	122.9	122.9	122.9
85°	68.2	70.2	66.3	66.3	66.3	70.2	68.2	64.3	68.2	68.2	66.3
87.5°	25.4	23.4	23.4	23.4	23.4	23.4	25.4	27.3	27.3	27.3	29.3
90°	45.9	45.9	45.9	45.9	45.9	45.9	45.9	61.2	81.7	91.9	79.0
92.5°	229.7	220.6	184.0	147.5	184.0	220.6	229.7	325.7	453.6	517.5	454.4
95°	779.9	752.1	641.5	530.8	641.5	752.1	779.9	1024.1	1349.8	1512.6	1277.5
97.5°	1800.4	1747.8	1537.1	1326.5	1537.1	1747.8	1800.4	1954.8	2160.6	2263.5	1871.4
100°	2528.3	2465.6	2214.6	1963.7	2214.6	2465.6	2528.3	2517.1	2502.1	2494.5	2059.4
102.5°	3149.8	3096.1	2881.1	2666.2	2881.1	3096.1	3149.8	2953.1	2690.9	2559.8	2118.6
105°	3875.3	3846.4	3730.8	3615.3	3730.8	3846.4	3875.3	3434.4	2846.5	2552.5	2125.3
107.5°	4252.6	4259.5	4287.5	4315.4	4287.5	4259.5	4252.6	3637.5	2817.5	2407.4	2030.6
110°	4349.3	4379.4	4499.7	4620.2	4499.7	4379.4	4349.3	3661.7	2744.9	2286.5	1946.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4287.6	4333.9	4518.7	4703.6	4518.7	4333.9	4287.6	3583.9	2645.7	2176.5	1873.7
115°	4078.4	4142.5	4398.9	4655.2	4398.9	4142.5	4078.4	3400.5	2496.6	2044.7	1789.6
117.5°	3789.5	3860.5	4144.8	4429.1	4144.8	3860.5	3789.5	3177.6	2361.8	1954.0	1737.1
120°	3594.8	3663.9	3940.1	4216.3	3940.1	3663.9	3594.8	3035.8	2290.4	1917.7	1719.5
122.5°	3400.1	3468.2	3740.6	4013.1	3740.6	3468.2	3400.1	2896.7	2225.5	1889.9	1710.2
125°	3142.6	3205.3	3456.2	3707.2	3456.2	3205.3	3142.6	2714.9	2144.8	1859.7	1702.5
127.5°	2935.8	2988.7	3200.5	3412.2	3200.5	2988.7	2935.8	2568.6	2079.1	1834.3	1698.1
130°	2805.3	2854.2	3049.7	3245.4	3049.7	2854.2	2805.3	2478.4	2042.6	1824.6	1700.8
132.5°	2694.0	2737.8	2913.0	3088.2	2913.0	2737.8	2694.0	2401.4	2011.2	1816.1	1702.4
135°	2536.7	2574.5	2725.5	2876.6	2725.5	2574.5	2536.7	2291.7	1965.0	1801.7	1700.9
137.5°	2420.8	2451.7	2575.2	2698.9	2575.2	2451.7	2420.8	2213.6	1937.3	1799.2	1711.4
140°	2327.6	2356.5	2472.1	2587.6	2472.1	2356.5	2327.6	2148.7	1910.0	1790.7	1713.1
142.5°	2262.3	2287.1	2386.6	2486.0	2386.6	2287.1	2262.3	2105.2	1895.6	1790.7	1719.2
145°	2164.4	2183.2	2258.4	2333.6	2258.4	2183.2	2164.4	2035.8	1864.4	1778.7	1719.3
147.5°	2082.2	2097.8	2160.1	2222.4	2160.1	2097.8	2082.2	1981.0	1846.1	1778.7	1731.1
150°	2035.0	2047.6	2098.2	2148.7	2098.2	2047.6	2035.0	1949.5	1835.7	1778.7	1737.3
152.5°	1997.5	2007.0	2045.2	2083.4	2045.2	2007.0	1997.5	1924.5	1827.3	1778.7	1741.3
155°	1952.7	1959.0	1984.3	2009.6	1984.3	1959.0	1952.7	1894.7	1817.4	1778.7	1750.2
157.5°	1914.1	1918.5	1936.3	1954.0	1936.3	1918.5	1914.1	1868.9	1808.7	1778.7	1759.1
160°	1894.7	1897.2	1907.5	1917.7	1907.5	1897.2	1894.7	1856.0	1804.5	1778.7	1763.1
162.5°	1876.6	1879.0	1888.7	1898.4	1888.7	1879.0	1876.6	1843.9	1800.4	1778.7	1767.4
165°	1848.8	1851.3	1861.5	1871.7	1861.5	1851.3	1848.8	1825.4	1794.3	1778.7	1773.6
167.5°	1836.7	1837.8	1842.1	1846.3	1842.1	1837.8	1836.7	1821.4	1801.0	1790.7	1786.4
170°	1836.7	1836.7	1836.7	1836.7	1836.7	1836.7	1836.7	1821.4	1801.0	1790.7	1790.4
172.5°	1827.0	1826.1	1822.3	1818.5	1822.3	1826.1	1827.0	1814.9	1798.8	1790.7	1790.7
175°	1813.7	1813.7	1813.7	1813.7	1813.7	1813.7	1813.7	1806.0	1795.8	1790.7	1793.1
177.5°	1811.3	1810.2	1805.9	1801.7	1805.9	1810.2	1811.3	1805.2	1797.2	1793.1	1795.1
180°	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7	1801.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2060.7	2060.7	2060.7	2060.7	2060.7
2.5°	2035.4	2045.1	2051.0	2058.7	2078.2
5°	1957.4	1994.4	2006.1	2035.4	2070.5
7.5°	1785.9	1898.9	1930.1	2000.3	2054.9
10°	1620.1	1733.2	1787.8	1953.5	2035.4
12.5°	1536.3	1602.5	1639.6	1871.6	2008.1
15°	1483.6	1530.4	1557.8	1762.4	1976.9
17.5°	1442.6	1475.9	1495.4	1655.2	1934.0
20°	1417.4	1433.0	1450.5	1577.2	1885.3
22.5°	1399.8	1390.0	1403.7	1522.6	1819.0
25°	1388.1	1351.1	1366.7	1479.8	1741.0
27.5°	1397.9	1316.0	1321.8	1440.7	1659.1
30°	1399.8	1273.1	1275.0	1399.8	1567.5
32.5°	1386.2	1228.2	1230.1	1349.1	1464.2
35°	1353.0	1175.6	1173.7	1290.6	1323.8
37.5°	1308.1	1119.1	1119.1	1226.3	1169.8
40°	1253.6	1062.5	1068.4	1142.5	1033.2
42.5°	1187.3	1002.0	1009.9	1031.3	931.9
45°	1115.1	943.6	949.4	871.4	853.9
47.5°	1035.2	883.1	885.1	723.3	828.6
50°	939.7	820.7	813.0	620.0	826.7
52.5°	855.8	752.5	729.2	561.4	750.6
55°	773.9	680.4	629.8	516.7	696.0
57.5°	701.8	586.8	538.1	464.0	684.3
60°	635.6	495.2	458.1	407.5	627.8
62.5°	581.0	426.9	419.2	368.5	569.3
65°	522.5	380.1	378.2	335.4	483.5
67.5°	466.0	348.9	347.0	304.2	368.5
70°	405.5	315.8	311.9	271.0	273.0
72.5°	343.1	278.8	274.9	243.7	226.2
75°	280.7	235.9	233.9	212.5	183.2
77.5°	220.4	187.1	191.1	171.6	134.5
80°	157.9	136.4	140.4	122.9	101.4
82.5°	105.2	89.7	93.6	78.0	68.2
85°	58.5	50.7	52.6	41.0	31.2
87.5°	27.3	23.4	23.4	15.6	9.8
90°	53.2	33.8	31.4	21.8	12.1
92.5°	328.1	233.3	212.8	130.5	48.4
95°	807.3	454.7	417.1	266.6	116.1
97.5°	1087.4	499.4	466.2	333.4	200.7
100°	1189.4	536.8	506.7	386.3	266.0
102.5°	1236.2	574.3	546.2	433.9	321.6
105°	1270.8	629.9	606.2	511.1	416.0
107.5°	1277.2	712.2	690.0	601.4	512.7
110°	1267.5	758.1	738.1	658.0	578.0



TEST NUMBER: P935079

CATALOG NUMBER: SQ4-FA-100U-050D-B2750-1D-UNV-STD-W-12-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1268.0	813.8	794.7	718.4	642.1
115°	1279.7	897.2	879.6	809.2	738.8
117.5°	1303.5	978.2	962.2	898.3	834.3
120°	1322.9	1025.4	1010.4	950.1	889.9
122.5°	1350.7	1081.0	1065.8	1005.1	944.4
125°	1388.1	1152.3	1138.5	1083.1	1027.8
127.5°	1425.6	1221.2	1207.3	1151.4	1095.5
130°	1453.0	1267.2	1252.1	1192.0	1131.8
132.5°	1475.1	1304.7	1289.6	1229.5	1169.3
135°	1499.3	1348.2	1334.5	1279.7	1224.9
137.5°	1535.6	1403.8	1390.2	1336.0	1281.7
140°	1557.8	1441.3	1428.8	1378.9	1328.9
142.5°	1576.3	1469.1	1457.6	1411.3	1365.1
145°	1600.5	1511.4	1501.4	1461.1	1420.7
147.5°	1636.0	1564.6	1554.9	1515.6	1476.4
150°	1654.6	1592.5	1583.5	1548.1	1512.6
152.5°	1666.6	1610.6	1603.9	1577.0	1550.1
155°	1693.2	1650.5	1645.6	1625.6	1605.7
157.5°	1719.9	1690.4	1685.6	1666.2	1646.8
160°	1731.9	1708.5	1704.8	1689.7	1674.6
162.5°	1744.8	1727.8	1725.0	1713.7	1702.4
165°	1763.3	1755.6	1753.1	1742.8	1732.7
167.5°	1777.8	1771.4	1770.2	1765.3	1760.5
170°	1789.9	1789.5	1788.4	1783.5	1778.7
172.5°	1790.7	1790.7	1790.4	1789.4	1788.3
175°	1798.0	1801.7	1801.7	1801.7	1801.7
177.5°	1798.9	1801.7	1801.7	1801.7	1801.7
180°	1801.7	1801.7	1801.7	1801.7	1801.7



TEST NUMBER: P935079  
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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	9.22	9.94	10.33	11.04	12.55	12.07	12.79	13.18	13.89	15.40
	3H	9.69	10.33	10.80	11.44	12.97	13.42	14.06	14.53	15.16	16.69
	4H	9.87	10.48	10.99	11.59	13.13	13.86	14.47	14.98	15.57	17.11
	6H	9.98	10.54	11.11	11.65	13.20	14.14	14.70	15.27	15.81	17.36
	8H	9.98	10.51	11.11	11.64	13.18	14.21	14.75	15.35	15.87	17.41
	12H	9.95	10.45	11.08	11.57	13.14	14.25	14.76	15.39	15.88	17.44
4H	2H	10.24	10.85	11.37	11.96	13.50	12.46	13.07	13.59	14.18	15.72
	3H	11.26	11.76	12.39	12.90	14.45	13.96	14.47	15.10	15.60	17.15
	4H	11.53	11.99	12.66	13.12	14.68	14.49	14.96	15.63	16.08	17.65
	6H	11.64	12.04	12.79	13.19	14.75	14.85	15.25	16.00	16.40	17.96
	8H	11.64	12.02	12.79	13.16	14.73	14.96	15.33	16.10	16.47	18.05
	12H	11.60	11.94	12.77	13.09	14.67	15.01	15.35	16.17	16.50	18.08
8H	4H	11.97	12.34	13.11	13.48	15.06	14.60	14.97	15.74	16.11	17.69
	6H	12.23	12.53	13.39	13.71	15.29	15.04	15.34	16.20	16.53	18.10
	8H	12.27	12.54	13.44	13.70	15.29	15.19	15.46	16.36	16.62	18.21
	12H	12.25	12.48	13.42	13.64	15.27	15.29	15.52	16.46	16.68	18.31
12H	4H	11.97	12.31	13.13	13.46	15.04	14.56	14.90	15.72	16.05	17.63
	6H	12.29	12.56	13.46	13.72	15.31	15.03	15.30	16.20	16.46	18.05
	8H	12.35	12.58	13.52	13.74	15.37	15.19	15.43	16.36	16.58	18.21