

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: P935449

Luminaire Tested: SQ4-FA-125U-050D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

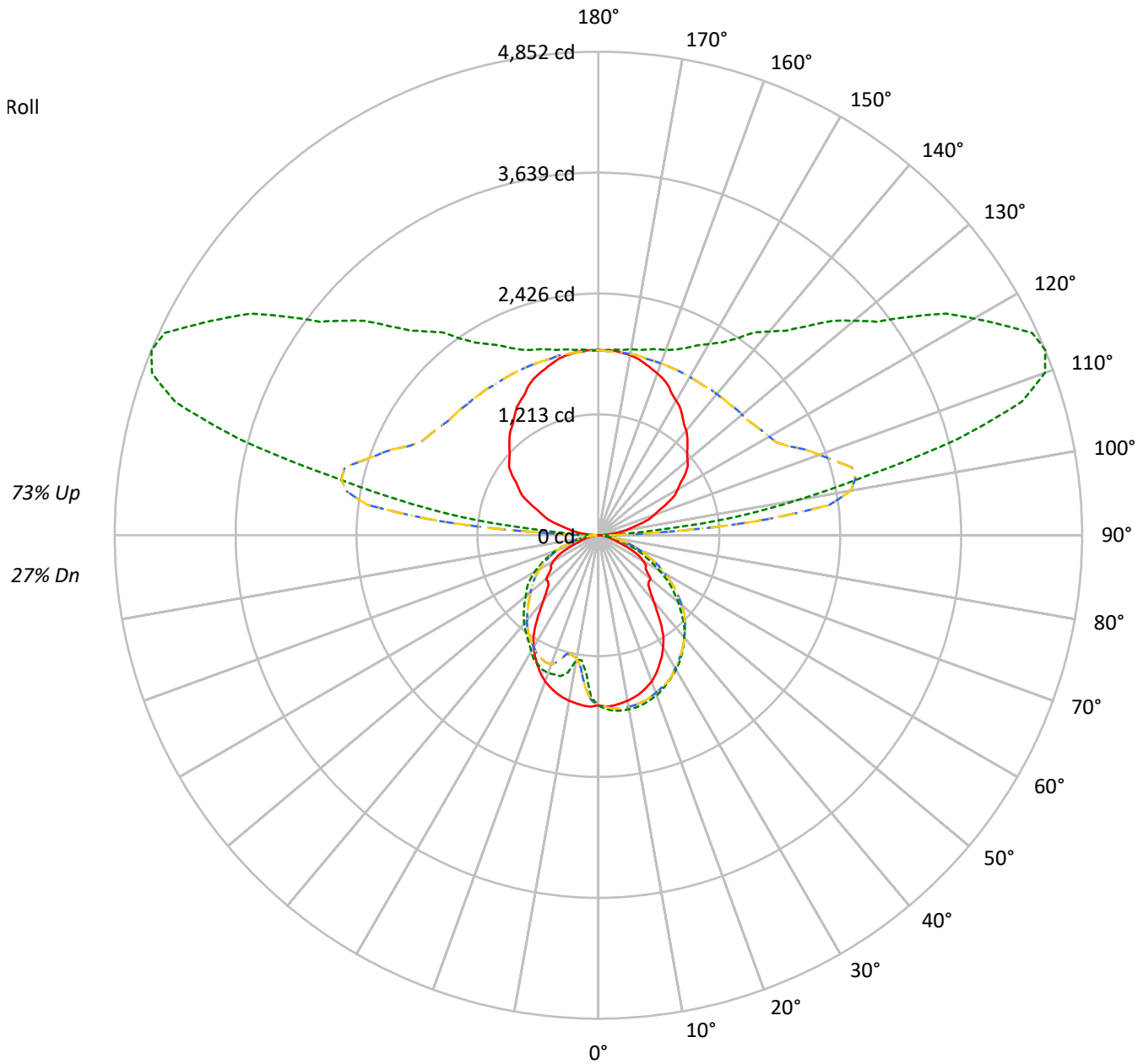
Test Method: LM-79-2019  
Report Number: P935449  
REPORT IS A COMBINATION OF REPORTS P933753 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-050D-930-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16482.4 lumens  
Efficiency: N/A  
Efficacy: 115.4 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): 142.8  
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				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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35				27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29				23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25				19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21				16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18				14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16				12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14				10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12				9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11				8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10				7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9				7

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

	0°	90°	180°	270°
0°	5282	5282	5282	5282
5°	5323	5332	5323	4192
10°	5290	5252	5290	3755
15°	5234	5138	5234	4291
20°	5127	5004	5127	4300
25°	4905	4807	4905	4208
30°	4617	4644	4617	4009
35°	4118	4437	4118	3789
40°	3433	4194	3433	3623
45°	3070	3910	3070	3432
50°	3264	3570	3264	3240
55°	3074	3205	3074	3129
60°	3173	2722	3173	2866
65°	2881	2250	2881	2515
70°	2000	1793	2000	2108
75°	1759	1326	1759	1587
80°	1429	876	1429	955
85°	839	464	839	394

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 4702 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.1	0.9
10°-20°	437.7	2.7
20°-30°	676.6	4.1
30°-40°	807.7	4.9
40°-50°	812.4	4.9
50°-60°	706.9	4.3
60°-70°	501.2	3.0
70°-80°	265.2	1.6
80°-90°	73.1	0.4
90°-100°	905.9	5.5
100°-110°	2381.7	14.4
110°-120°	2469.5	15.0
120°-130°	1980.9	12.0
130°-140°	1554.3	9.4
140°-150°	1193.0	7.2
150°-160°	859.1	5.2
160°-170°	525.7	3.2
170°-180°	177.6	1.1
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0°-30°	1268.4	7.7
0°-40°	2076.0	12.6
0°-60°	3595.3	21.8
0°-90°	4434.8	26.9
90°-120°	5757.1	34.9
90°-150°	10485.2	63.6
90°-180°	12048.0	73.1
0°-180°	16482.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1708	1708	1708	1708	1708	
5°	1716	1769	1716	1391	1716	163
15°	1638	1753	1638	1464	1638	461
25°	1443	1635	1443	1431	1443	662
35°	1097	1459	1097	1246	1097	679
45°	708	1202	708	1055	708	567
55°	577	887	577	866	577	530
65°	401	535	401	598	401	383
75°	152	254	152	304	152	160
85°	26	65	26	55	26	35
90°	12	47	12	47	12	11
95°	120	548	120	548	120	133
105°	429	3729	429	3729	429	455
115°	762	4802	762	4802	762	753
125°	1060	3824	1060	3824	1060	941
135°	1264	2967	1264	2967	1264	978
145°	1466	2407	1466	2407	1466	918
155°	1656	2073	1656	2073	1656	761
165°	1787	1931	1787	1931	1787	504
175°	1858	1871	1858	1871	1858	176
180°	1858	1858	1858	1858	1858	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1722.2	1722.2	1731.9	1735.1	1735.1	1730.3	1725.5	1730.3	1744.8	1749.7	1748.1
5°	1715.8	1728.7	1746.4	1749.7	1752.9	1751.3	1748.1	1751.3	1767.5	1770.7	1772.3
7.5°	1702.8	1727.1	1749.7	1754.6	1759.4	1754.6	1752.9	1756.2	1772.3	1775.5	1775.5
10°	1686.7	1720.6	1746.4	1749.7	1754.6	1749.7	1749.7	1756.2	1772.3	1775.5	1777.2
12.5°	1664.1	1711.0	1735.1	1738.4	1744.8	1743.2	1741.6	1748.1	1764.3	1767.5	1767.5
15°	1638.2	1693.1	1715.8	1719.0	1730.3	1727.1	1727.1	1733.5	1751.3	1756.2	1754.6
17.5°	1602.7	1670.6	1696.4	1701.2	1709.3	1707.7	1709.3	1715.8	1731.9	1735.1	1736.8
20°	1562.3	1639.8	1670.6	1675.4	1683.5	1683.5	1683.5	1691.5	1707.7	1714.2	1714.2
22.5°	1507.4	1607.5	1639.8	1643.1	1652.7	1652.7	1656.0	1667.3	1681.8	1683.5	1683.5
25°	1442.8	1572.0	1599.4	1609.1	1618.8	1623.7	1628.6	1635.0	1639.8	1638.2	1639.8
27.5°	1374.9	1526.7	1562.3	1568.7	1581.7	1586.5	1593.0	1594.6	1596.2	1601.0	1597.8
30°	1298.9	1463.7	1517.0	1523.5	1544.5	1547.8	1541.3	1544.5	1552.6	1555.8	1559.0
32.5°	1213.3	1370.0	1470.2	1484.7	1504.1	1494.5	1492.8	1497.7	1510.6	1510.6	1513.8
35°	1097.0	1297.3	1426.6	1439.5	1454.1	1442.8	1449.2	1450.8	1458.9	1463.7	1462.1
37.5°	969.4	1234.3	1381.3	1391.0	1402.4	1387.8	1397.5	1402.4	1408.8	1405.6	1405.6
40°	856.2	1135.8	1328.0	1334.5	1344.1	1332.9	1342.5	1345.8	1349.0	1345.8	1344.1
42.5°	772.2	1027.5	1271.5	1279.6	1273.1	1281.2	1284.4	1290.9	1286.0	1279.6	1279.6
45°	707.6	998.5	1210.1	1219.8	1210.1	1223.0	1227.9	1227.9	1213.3	1210.1	1208.4
47.5°	686.6	940.3	1148.7	1148.7	1143.9	1160.0	1168.0	1156.8	1142.3	1137.4	1137.4
50°	685.0	875.7	1064.7	1058.2	1080.8	1100.2	1092.2	1080.8	1069.5	1051.8	1051.8
52.5°	622.0	796.5	956.5	980.7	1016.2	1027.5	1014.6	1003.3	983.9	975.8	969.4
55°	576.8	714.1	857.8	906.3	943.5	958.1	933.8	922.5	893.4	888.6	885.4
57.5°	567.1	594.5	767.4	828.8	874.1	872.5	857.8	836.9	812.6	807.8	806.2
60°	520.3	429.8	670.5	743.2	790.0	785.2	772.2	752.9	730.2	727.0	723.8
62.5°	471.8	311.8	560.6	643.0	709.2	707.6	696.4	667.2	651.1	643.0	636.5
65°	400.7	261.7	399.1	534.8	630.1	633.3	609.1	588.1	570.3	560.6	559.0
67.5°	305.4	213.3	269.8	445.9	554.2	550.9	520.3	510.5	487.9	483.1	473.4
70°	226.2	142.2	187.4	361.9	479.9	471.8	447.5	436.2	415.2	403.9	397.4
72.5°	187.4	114.7	137.3	281.1	403.9	394.2	373.2	360.3	342.5	332.8	326.3
75°	151.8	121.2	105.0	208.4	327.9	321.5	302.1	289.2	274.6	261.7	263.3
77.5°	111.5	113.1	84.0	153.5	260.1	250.5	239.1	223.0	216.5	203.6	203.6
80°	84.0	88.9	63.0	105.0	187.4	187.4	177.7	166.4	155.1	148.6	148.6
82.5°	56.5	56.5	46.8	66.2	127.6	122.8	116.4	113.1	106.6	103.4	103.4
85°	25.9	32.3	29.1	40.4	69.5	72.7	72.7	69.5	67.9	64.6	66.2
87.5°	8.1	14.5	17.7	22.6	35.6	37.2	38.8	38.8	38.8	40.4	40.4
90°	12.4	22.4	32.4	34.9	54.8	81.4	94.8	84.2	63.2	47.4	47.4
92.5°	49.9	134.7	219.5	240.7	338.5	468.7	533.8	467.8	335.9	237.0	227.6
95°	119.7	274.9	430.2	469.0	832.7	1317.8	1560.3	1392.3	1056.4	804.5	775.9
97.5°	207.0	343.9	480.9	515.1	1121.7	1930.5	2334.9	2228.7	2016.4	1857.2	1802.8
100°	274.4	398.6	522.8	553.8	1226.9	2124.4	2573.1	2580.9	2596.4	2608.1	2543.3
102.5°	331.8	447.7	563.5	592.5	1275.2	2185.4	2640.5	2775.7	3046.3	3249.2	3193.8
105°	429.0	527.2	625.3	649.9	1310.9	2192.3	2633.0	2936.2	3542.7	3997.5	3967.7
107.5°	528.9	620.3	711.8	734.7	1317.6	2094.8	2483.4	2906.3	3752.2	4386.6	4393.9
110°	596.2	678.8	761.4	782.0	1307.5	2008.2	2358.6	2831.5	3777.2	4486.4	4517.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	662.3	741.0	819.7	839.4	1307.9	1932.7	2245.1	2729.1	3696.9	4422.8	4470.5
115°	762.0	834.6	907.3	925.5	1320.1	1846.1	2109.2	2575.4	3507.7	4207.1	4273.2
117.5°	860.7	926.6	992.6	1009.0	1344.5	1791.9	2015.6	2436.4	3277.8	3908.9	3982.2
120°	918.0	980.1	1042.2	1057.7	1364.5	1773.7	1978.2	2362.7	3131.5	3708.2	3779.4
122.5°	974.1	1036.8	1099.4	1115.0	1393.2	1764.1	1949.5	2295.7	2988.0	3507.3	3577.6
125°	1060.2	1117.3	1174.4	1188.7	1431.9	1756.2	1918.3	2212.3	2800.5	3241.6	3306.4
127.5°	1130.1	1187.7	1245.4	1259.7	1470.5	1751.6	1892.1	2144.6	2649.6	3028.4	3083.0
130°	1167.5	1229.6	1291.6	1307.1	1498.8	1754.4	1882.2	2106.9	2556.5	2893.7	2944.1
132.5°	1206.1	1268.2	1330.3	1345.8	1521.7	1756.2	1873.4	2074.6	2477.1	2778.9	2824.2
135°	1263.5	1320.1	1376.6	1390.7	1546.7	1754.6	1858.5	2027.0	2364.0	2616.8	2655.8
137.5°	1322.1	1378.1	1434.1	1448.0	1584.0	1765.3	1856.0	1998.4	2283.3	2497.0	2528.9
140°	1370.7	1422.3	1473.8	1486.8	1606.9	1767.1	1847.2	1970.2	2216.4	2401.0	2430.8
142.5°	1408.1	1455.8	1503.5	1515.4	1626.0	1773.5	1847.2	1955.3	2171.6	2333.7	2359.3
145°	1465.6	1507.2	1548.7	1559.1	1651.0	1773.5	1834.8	1923.2	2100.0	2232.6	2252.0
147.5°	1522.9	1563.4	1603.8	1613.9	1687.6	1785.7	1834.8	1904.3	2043.5	2147.8	2163.8
150°	1560.3	1596.9	1633.5	1642.7	1706.7	1792.1	1834.8	1893.6	2011.0	2099.1	2112.1
152.5°	1599.0	1626.7	1654.5	1661.4	1719.2	1796.2	1834.8	1885.0	1985.3	2060.5	2070.4
155°	1656.3	1676.9	1697.4	1702.5	1746.6	1805.4	1834.8	1874.7	1954.5	2014.3	2020.8
157.5°	1698.8	1718.7	1738.7	1743.7	1774.1	1814.5	1834.8	1865.8	1927.8	1974.4	1979.0
160°	1727.5	1743.0	1758.6	1762.4	1786.5	1818.7	1834.8	1861.4	1914.6	1954.5	1957.2
162.5°	1756.2	1767.8	1779.4	1782.3	1799.8	1823.1	1834.8	1857.3	1902.1	1935.8	1938.3
165°	1787.3	1797.8	1808.4	1811.0	1819.0	1829.5	1834.8	1850.8	1883.0	1907.0	1909.7
167.5°	1816.1	1821.0	1826.0	1827.2	1833.9	1842.8	1847.2	1857.7	1878.8	1894.6	1895.7
170°	1834.8	1839.8	1844.7	1845.9	1846.3	1846.9	1847.2	1857.7	1878.8	1894.6	1894.6
172.5°	1844.7	1845.9	1847.0	1847.2	1847.2	1847.2	1847.2	1855.6	1872.2	1884.6	1883.7
175°	1858.5	1858.5	1858.5	1858.5	1854.7	1849.7	1847.2	1852.5	1863.0	1870.9	1870.9
177.5°	1858.5	1858.5	1858.5	1858.5	1855.6	1851.6	1849.7	1853.9	1862.2	1868.4	1867.3
180°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1751.3	1746.4	1751.3	1748.1	1749.7	1744.8	1730.3	1725.5	1730.3	1735.1	1735.1
5°	1772.3	1769.1	1772.3	1772.3	1770.7	1767.5	1751.3	1748.1	1751.3	1752.9	1749.7
7.5°	1778.8	1773.9	1778.8	1775.5	1775.5	1772.3	1756.2	1752.9	1754.6	1759.4	1754.6
10°	1778.8	1773.9	1778.8	1777.2	1775.5	1772.3	1756.2	1749.7	1749.7	1754.6	1749.7
12.5°	1770.7	1767.5	1770.7	1767.5	1767.5	1764.3	1748.1	1741.6	1743.2	1744.8	1738.4
15°	1757.8	1752.9	1757.8	1754.6	1756.2	1751.3	1733.5	1727.1	1727.1	1730.3	1719.0
17.5°	1738.4	1731.9	1738.4	1736.8	1735.1	1731.9	1715.8	1709.3	1707.7	1709.3	1701.2
20°	1715.8	1711.0	1715.8	1714.2	1714.2	1707.7	1691.5	1683.5	1683.5	1683.5	1675.4
22.5°	1680.2	1675.4	1680.2	1683.5	1683.5	1681.8	1667.3	1656.0	1652.7	1652.7	1643.1
25°	1639.8	1635.0	1639.8	1639.8	1638.2	1639.8	1635.0	1628.6	1623.7	1618.8	1609.1
27.5°	1601.0	1597.8	1601.0	1597.8	1601.0	1596.2	1594.6	1593.0	1586.5	1581.7	1568.7
30°	1562.3	1559.0	1562.3	1559.0	1555.8	1552.6	1544.5	1541.3	1547.8	1544.5	1523.5
32.5°	1513.8	1510.6	1513.8	1513.8	1510.6	1510.6	1497.7	1492.8	1494.5	1504.1	1484.7
35°	1463.7	1458.9	1463.7	1462.1	1463.7	1458.9	1450.8	1449.2	1442.8	1454.1	1439.5
37.5°	1405.6	1400.8	1405.6	1405.6	1405.6	1408.8	1402.4	1397.5	1387.8	1402.4	1391.0
40°	1345.8	1339.3	1345.8	1344.1	1345.8	1349.0	1345.8	1342.5	1332.9	1344.1	1334.5
42.5°	1278.0	1276.3	1278.0	1279.6	1279.6	1286.0	1290.9	1284.4	1281.2	1273.1	1279.6
45°	1205.2	1202.0	1205.2	1208.4	1210.1	1213.3	1227.9	1227.9	1223.0	1210.1	1219.8
47.5°	1127.7	1119.6	1127.7	1137.4	1137.4	1142.3	1156.8	1168.0	1160.0	1143.9	1148.7
50°	1045.3	1046.9	1045.3	1051.8	1051.8	1069.5	1080.8	1092.2	1100.2	1080.8	1058.2
52.5°	964.5	962.9	964.5	969.4	975.8	983.9	1003.3	1014.6	1027.5	1016.2	980.7
55°	883.7	887.0	883.7	885.4	888.6	893.4	922.5	933.8	958.1	943.5	906.3
57.5°	802.9	798.1	802.9	806.2	807.8	812.6	836.9	857.8	872.5	874.1	828.8
60°	709.2	702.8	709.2	723.8	727.0	730.2	752.9	772.2	785.2	790.0	743.2
62.5°	626.8	615.6	626.8	636.5	643.0	651.1	667.2	696.4	707.6	709.2	643.0
65°	539.6	534.8	539.6	559.0	560.6	570.3	588.1	609.1	633.3	630.1	534.8
67.5°	460.4	460.4	460.4	473.4	483.1	487.9	510.5	520.3	550.9	554.2	445.9
70°	387.8	386.2	387.8	397.4	403.9	415.2	436.2	447.5	471.8	479.9	361.9
72.5°	318.3	316.6	318.3	326.3	332.8	342.5	360.3	373.2	394.2	403.9	281.1
75°	256.9	253.7	256.9	263.3	261.7	274.6	289.2	302.1	321.5	327.9	208.4
77.5°	197.1	197.1	197.1	203.6	203.6	216.5	223.0	239.1	250.5	260.1	153.5
80°	147.0	145.4	147.0	148.6	148.6	155.1	166.4	177.7	187.4	187.4	105.0
82.5°	103.4	100.1	103.4	103.4	103.4	106.6	113.1	116.4	122.8	127.6	66.2
85°	64.6	64.6	64.6	66.2	64.6	67.9	69.5	72.7	72.7	69.5	40.4
87.5°	42.0	40.4	42.0	40.4	40.4	38.8	38.8	38.8	37.2	35.6	22.6
90°	47.4	47.4	47.4	47.4	47.4	63.2	84.2	94.8	81.4	54.8	34.9
92.5°	189.8	152.2	189.8	227.6	237.0	335.9	467.8	533.8	468.7	338.5	240.7
95°	661.8	547.6	661.8	775.9	804.5	1056.4	1392.3	1560.3	1317.8	832.7	469.0
97.5°	1585.5	1368.2	1585.5	1802.8	1857.2	2016.4	2228.7	2334.9	1930.5	1121.7	515.1
100°	2284.5	2025.6	2284.5	2543.3	2608.1	2596.4	2580.9	2573.1	2124.4	1226.9	553.8
102.5°	2972.0	2750.3	2972.0	3193.8	3249.2	3046.3	2775.7	2640.5	2185.4	1275.2	592.5
105°	3848.5	3729.4	3848.5	3967.7	3997.5	3542.7	2936.2	2633.0	2192.3	1310.9	649.9
107.5°	4422.7	4451.5	4422.7	4393.9	4386.6	3752.2	2906.3	2483.4	2094.8	1317.6	734.7
110°	4641.7	4765.8	4641.7	4517.5	4486.4	3777.2	2831.5	2358.6	2008.2	1307.5	782.0





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4661.2	4851.9	4661.2	4470.5	4422.8	3696.9	2729.1	2245.1	1932.7	1307.9	839.4
115°	4537.6	4802.0	4537.6	4273.2	4207.1	3507.7	2575.4	2109.2	1846.1	1320.1	925.5
117.5°	4275.5	4568.7	4275.5	3982.2	3908.9	3277.8	2436.4	2015.6	1791.9	1344.5	1009.0
120°	4064.3	4349.2	4064.3	3779.4	3708.2	3131.5	2362.7	1978.2	1773.7	1364.5	1057.7
122.5°	3858.7	4139.7	3858.7	3577.6	3507.3	2988.0	2295.7	1949.5	1764.1	1393.2	1115.0
125°	3565.2	3824.1	3565.2	3306.4	3241.6	2800.5	2212.3	1918.3	1756.2	1431.9	1188.7
127.5°	3301.4	3519.8	3301.4	3083.0	3028.4	2649.6	2144.6	1892.1	1751.6	1470.5	1259.7
130°	3145.9	3347.7	3145.9	2944.1	2893.7	2556.5	2106.9	1882.2	1754.4	1498.8	1307.1
132.5°	3004.8	3185.5	3004.8	2824.2	2778.9	2477.1	2074.6	1873.4	1756.2	1521.7	1345.8
135°	2811.5	2967.2	2811.5	2655.8	2616.8	2364.0	2027.0	1858.5	1754.6	1546.7	1390.7
137.5°	2656.4	2783.9	2656.4	2528.9	2497.0	2283.3	1998.4	1856.0	1765.3	1584.0	1448.0
140°	2550.0	2669.2	2550.0	2430.8	2401.0	2216.4	1970.2	1847.2	1767.1	1606.9	1486.8
142.5°	2461.8	2564.4	2461.8	2359.3	2333.7	2171.6	1955.3	1847.2	1773.5	1626.0	1515.4
145°	2329.6	2407.2	2329.6	2252.0	2232.6	2100.0	1923.2	1834.8	1773.5	1651.0	1559.1
147.5°	2228.2	2292.5	2228.2	2163.8	2147.8	2043.5	1904.3	1834.8	1785.7	1687.6	1613.9
150°	2164.3	2216.4	2164.3	2112.1	2099.1	2011.0	1893.6	1834.8	1792.1	1706.7	1642.7
152.5°	2109.7	2149.1	2109.7	2070.4	2060.5	1985.3	1885.0	1834.8	1796.2	1719.2	1661.4
155°	2046.9	2072.9	2046.9	2020.8	2014.3	1954.5	1874.7	1834.8	1805.4	1746.6	1702.5
157.5°	1997.3	2015.6	1997.3	1979.0	1974.4	1927.8	1865.8	1834.8	1814.5	1774.1	1743.7
160°	1967.7	1978.2	1967.7	1957.2	1954.5	1914.6	1861.4	1834.8	1818.7	1786.5	1762.4
162.5°	1948.2	1958.2	1948.2	1938.3	1935.8	1902.1	1857.3	1834.8	1823.1	1799.8	1782.3
165°	1920.2	1930.8	1920.2	1909.7	1907.0	1883.0	1850.8	1834.8	1829.5	1819.0	1811.0
167.5°	1900.1	1904.6	1900.1	1895.7	1894.6	1878.8	1857.7	1847.2	1842.8	1833.9	1827.2
170°	1894.6	1894.6	1894.6	1894.6	1894.6	1878.8	1857.7	1847.2	1846.9	1846.3	1845.9
172.5°	1879.7	1875.9	1879.7	1883.7	1884.6	1872.2	1855.6	1847.2	1847.2	1847.2	1847.2
175°	1870.9	1870.9	1870.9	1870.9	1870.9	1863.0	1852.5	1847.2	1849.7	1854.7	1858.5
177.5°	1862.9	1858.5	1862.9	1867.3	1868.4	1862.2	1853.9	1849.7	1851.6	1855.6	1858.5
180°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1731.9	1722.2	1722.2	1706.1	1699.6	1694.7	1686.7	1662.5	1656.0	1649.5	1659.2
5°	1746.4	1728.7	1715.8	1686.7	1662.5	1652.7	1622.1	1563.9	1525.1	1496.1	1479.9
7.5°	1749.7	1727.1	1702.8	1657.6	1599.4	1573.6	1479.9	1373.3	1344.1	1318.4	1302.1
10°	1746.4	1720.6	1686.7	1618.8	1481.5	1436.2	1342.5	1273.1	1255.3	1250.5	1255.3
12.5°	1735.1	1711.0	1664.1	1551.0	1358.8	1328.0	1273.1	1232.7	1229.5	1237.6	1281.2
15°	1715.8	1693.1	1638.2	1460.5	1290.9	1268.3	1229.5	1214.9	1232.7	1289.2	1420.1
17.5°	1696.4	1670.6	1602.7	1371.7	1239.2	1223.0	1195.5	1224.7	1324.8	1400.8	1444.4
20°	1670.6	1639.8	1562.3	1307.0	1202.0	1187.5	1174.5	1305.4	1381.3	1408.8	1433.0
22.5°	1639.8	1607.5	1507.4	1261.8	1163.2	1151.9	1160.0	1350.6	1381.3	1400.8	1421.7
25°	1599.4	1572.0	1442.8	1226.3	1132.6	1119.6	1150.3	1345.8	1363.6	1368.4	1410.4
27.5°	1562.3	1526.7	1374.9	1193.9	1095.4	1090.6	1158.4	1324.8	1337.7	1342.5	1387.8
30°	1517.0	1463.7	1298.9	1160.0	1056.6	1055.0	1160.0	1298.9	1295.7	1308.6	1353.9
32.5°	1470.2	1370.0	1213.3	1118.0	1019.4	1017.8	1148.7	1260.1	1256.9	1274.7	1308.6
35°	1426.6	1297.3	1097.0	1069.5	972.6	974.2	1121.2	1214.9	1216.5	1232.7	1253.7
37.5°	1381.3	1234.3	969.4	1016.2	927.4	927.4	1084.0	1172.9	1169.7	1174.5	1203.6
40°	1328.0	1135.8	856.2	946.7	885.4	880.5	1038.8	1127.7	1116.4	1114.8	1155.1
42.5°	1271.5	1027.5	772.2	854.6	836.9	830.4	983.9	1072.7	1051.8	1056.6	1108.3
45°	1210.1	998.5	707.6	722.1	786.8	782.0	924.1	1009.8	995.2	1008.2	1061.5
47.5°	1148.7	940.3	686.6	599.4	733.5	731.9	857.8	948.3	940.3	953.2	1009.8
50°	1064.7	875.7	685.0	513.8	673.7	680.1	778.7	888.6	888.6	899.9	959.7
52.5°	956.5	796.5	622.0	465.3	604.3	623.6	709.2	836.9	840.1	851.4	904.7
55°	857.8	714.1	576.8	428.2	521.9	563.9	641.4	783.6	790.0	801.3	849.8
57.5°	767.4	594.5	567.1	384.5	445.9	486.3	581.6	731.9	735.1	744.8	791.7
60°	670.5	429.8	520.3	337.7	379.7	410.3	526.7	670.5	681.7	688.3	728.6
62.5°	560.6	311.8	471.8	305.4	347.4	353.8	481.5	612.3	626.8	631.7	656.0
65°	399.1	261.7	400.7	277.9	313.4	315.0	433.0	552.5	565.5	573.5	591.3
67.5°	269.8	213.3	305.4	252.1	287.6	289.2	386.2	483.1	500.8	507.3	518.6
70°	187.4	142.2	226.2	224.6	258.5	261.7	336.1	420.0	436.2	441.1	447.5
72.5°	137.3	114.7	187.4	202.0	227.8	231.0	284.3	349.0	365.1	369.9	373.2
75°	105.0	121.2	151.8	176.1	193.8	195.5	232.6	284.3	295.7	298.9	300.5
77.5°	84.0	113.1	111.5	142.2	158.4	155.1	182.6	219.7	229.4	229.4	229.4
80°	63.0	88.9	84.0	101.8	116.4	113.1	130.9	156.7	160.0	163.2	161.6
82.5°	46.8	56.5	56.5	64.6	77.6	74.4	87.2	101.8	101.8	101.8	105.0
85°	29.1	32.3	25.9	34.0	43.6	42.0	48.5	54.9	56.5	56.5	53.3
87.5°	17.7	14.5	8.1	12.9	19.4	19.4	22.6	24.3	22.6	22.6	22.6
90°	32.4	22.4	12.4	22.4	32.4	34.9	54.8	81.4	94.8	84.2	63.2
92.5°	219.5	134.7	49.9	134.7	219.5	240.7	338.5	468.7	533.8	467.8	335.9
95°	430.2	274.9	119.7	274.9	430.2	469.0	832.7	1317.8	1560.3	1392.3	1056.4
97.5°	480.9	343.9	207.0	343.9	480.9	515.1	1121.7	1930.5	2334.9	2228.7	2016.4
100°	522.8	398.6	274.4	398.6	522.8	553.8	1226.9	2124.4	2573.1	2580.9	2596.4
102.5°	563.5	447.7	331.8	447.7	563.5	592.5	1275.2	2185.4	2640.5	2775.7	3046.3
105°	625.3	527.2	429.0	527.2	625.3	649.9	1310.9	2192.3	2633.0	2936.2	3542.7
107.5°	711.8	620.3	528.9	620.3	711.8	734.7	1317.6	2094.8	2483.4	2906.3	3752.2
110°	761.4	678.8	596.2	678.8	761.4	782.0	1307.5	2008.2	2358.6	2831.5	3777.2



TEST NUMBER: P935449

CATALOG NUMBER: SQ4-FA-125U-050D-930-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	819.7	741.0	662.3	741.0	819.7	839.4	1307.9	1932.7	2245.1	2729.1	3696.9
115°	907.3	834.6	762.0	834.6	907.3	925.5	1320.1	1846.1	2109.2	2575.4	3507.7
117.5°	992.6	926.6	860.7	926.6	992.6	1009.0	1344.5	1791.9	2015.6	2436.4	3277.8
120°	1042.2	980.1	918.0	980.1	1042.2	1057.7	1364.5	1773.7	1978.2	2362.7	3131.5
122.5°	1099.4	1036.8	974.1	1036.8	1099.4	1115.0	1393.2	1764.1	1949.5	2295.7	2988.0
125°	1174.4	1117.3	1060.2	1117.3	1174.4	1188.7	1431.9	1756.2	1918.3	2212.3	2800.5
127.5°	1245.4	1187.7	1130.1	1187.7	1245.4	1259.7	1470.5	1751.6	1892.1	2144.6	2649.6
130°	1291.6	1229.6	1167.5	1229.6	1291.6	1307.1	1498.8	1754.4	1882.2	2106.9	2556.5
132.5°	1330.3	1268.2	1206.1	1268.2	1330.3	1345.8	1521.7	1756.2	1873.4	2074.6	2477.1
135°	1376.6	1320.1	1263.5	1320.1	1376.6	1390.7	1546.7	1754.6	1858.5	2027.0	2364.0
137.5°	1434.1	1378.1	1322.1	1378.1	1434.1	1448.0	1584.0	1765.3	1856.0	1998.4	2283.3
140°	1473.8	1422.3	1370.7	1422.3	1473.8	1486.8	1606.9	1767.1	1847.2	1970.2	2216.4
142.5°	1503.5	1455.8	1408.1	1455.8	1503.5	1515.4	1626.0	1773.5	1847.2	1955.3	2171.6
145°	1548.7	1507.2	1465.6	1507.2	1548.7	1559.1	1651.0	1773.5	1834.8	1923.2	2100.0
147.5°	1603.8	1563.4	1522.9	1563.4	1603.8	1613.9	1687.6	1785.7	1834.8	1904.3	2043.5
150°	1633.5	1596.9	1560.3	1596.9	1633.5	1642.7	1706.7	1792.1	1834.8	1893.6	2011.0
152.5°	1654.5	1626.7	1599.0	1626.7	1654.5	1661.4	1719.2	1796.2	1834.8	1885.0	1985.3
155°	1697.4	1676.9	1656.3	1676.9	1697.4	1702.5	1746.6	1805.4	1834.8	1874.7	1954.5
157.5°	1738.7	1718.7	1698.8	1718.7	1738.7	1743.7	1774.1	1814.5	1834.8	1865.8	1927.8
160°	1758.6	1743.0	1727.5	1743.0	1758.6	1762.4	1786.5	1818.7	1834.8	1861.4	1914.6
162.5°	1779.4	1767.8	1756.2	1767.8	1779.4	1782.3	1799.8	1823.1	1834.8	1857.3	1902.1
165°	1808.4	1797.8	1787.3	1797.8	1808.4	1811.0	1819.0	1829.5	1834.8	1850.8	1883.0
167.5°	1826.0	1821.0	1816.1	1821.0	1826.0	1827.2	1833.9	1842.8	1847.2	1857.7	1878.8
170°	1844.7	1839.8	1834.8	1839.8	1844.7	1845.9	1846.3	1846.9	1847.2	1857.7	1878.8
172.5°	1847.0	1845.9	1844.7	1845.9	1847.0	1847.2	1847.2	1847.2	1847.2	1855.6	1872.2
175°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1854.7	1849.7	1847.2	1852.5	1863.0
177.5°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1855.6	1851.6	1849.7	1853.9	1862.2
180°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5



TEST NUMBER: P935449  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1647.9	1643.1	1649.5	1631.8	1649.5	1643.1	1647.9	1659.2	1649.5	1656.0	1662.5
5°	1446.0	1437.9	1412.1	1391.0	1412.1	1437.9	1446.0	1479.9	1496.1	1525.1	1563.9
7.5°	1292.5	1286.0	1279.6	1266.7	1279.6	1286.0	1292.5	1302.1	1318.4	1344.1	1373.3
10°	1258.5	1260.1	1269.9	1268.3	1269.9	1260.1	1258.5	1255.3	1250.5	1255.3	1273.1
12.5°	1345.8	1360.4	1413.7	1410.4	1413.7	1360.4	1345.8	1281.2	1237.6	1229.5	1232.7
15°	1446.0	1450.8	1462.1	1463.7	1462.1	1450.8	1446.0	1420.1	1289.2	1232.7	1214.9
17.5°	1455.7	1457.3	1465.3	1465.3	1465.3	1457.3	1455.7	1444.4	1400.8	1324.8	1224.7
20°	1447.6	1450.8	1467.0	1470.2	1467.0	1450.8	1447.6	1433.0	1408.8	1381.3	1305.4
22.5°	1444.4	1450.8	1463.7	1462.1	1463.7	1450.8	1444.4	1421.7	1400.8	1381.3	1350.6
25°	1428.2	1428.2	1429.8	1431.4	1429.8	1428.2	1428.2	1410.4	1368.4	1363.6	1345.8
27.5°	1394.2	1397.5	1407.2	1405.6	1407.2	1397.5	1394.2	1387.8	1342.5	1337.7	1324.8
30°	1363.6	1360.4	1352.3	1345.8	1352.3	1360.4	1363.6	1353.9	1308.6	1295.7	1298.9
32.5°	1311.9	1303.8	1295.7	1290.9	1295.7	1303.8	1311.9	1308.6	1274.7	1256.9	1260.1
35°	1250.5	1252.1	1250.5	1245.6	1250.5	1252.1	1250.5	1253.7	1232.7	1216.5	1214.9
37.5°	1206.8	1210.1	1208.4	1202.0	1208.4	1210.1	1206.8	1203.6	1174.5	1169.7	1172.9
40°	1161.6	1163.2	1161.6	1156.8	1161.6	1163.2	1161.6	1155.1	1114.8	1116.4	1127.7
42.5°	1118.0	1116.4	1111.5	1108.3	1111.5	1116.4	1118.0	1108.3	1056.6	1051.8	1072.7
45°	1067.9	1069.5	1059.8	1055.0	1059.8	1069.5	1067.9	1061.5	1008.2	995.2	1009.8
47.5°	1017.8	1017.8	1009.8	1004.9	1009.8	1017.8	1017.8	1009.8	953.2	940.3	948.3
50°	964.5	962.9	951.6	949.9	951.6	962.9	964.5	959.7	899.9	888.6	888.6
52.5°	903.1	903.1	904.7	908.0	904.7	903.1	903.1	904.7	851.4	840.1	836.9
55°	849.8	851.4	862.7	866.0	862.7	851.4	849.8	849.8	801.3	790.0	783.6
57.5°	794.9	794.9	802.9	802.9	802.9	794.9	794.9	791.7	744.8	735.1	731.9
60°	731.9	735.1	741.6	740.0	741.6	735.1	731.9	728.6	688.3	681.7	670.5
62.5°	665.6	668.9	670.5	667.2	670.5	668.9	665.6	656.0	631.7	626.8	612.3
65°	596.1	599.4	601.0	597.8	601.0	599.4	596.1	591.3	573.5	565.5	552.5
67.5°	525.1	523.5	521.9	528.3	521.9	523.5	525.1	518.6	507.3	500.8	483.1
70°	452.3	452.3	450.7	454.0	450.7	452.3	452.3	447.5	441.1	436.2	420.0
72.5°	374.8	373.2	379.7	374.8	379.7	373.2	374.8	373.2	369.9	365.1	349.0
75°	298.9	302.1	298.9	303.7	298.9	302.1	298.9	300.5	298.9	295.7	284.3
77.5°	227.8	231.0	227.8	227.8	227.8	231.0	227.8	229.4	229.4	229.4	219.7
80°	161.6	160.0	160.0	158.4	160.0	160.0	161.6	161.6	163.2	160.0	156.7
82.5°	103.4	101.8	101.8	105.0	101.8	101.8	103.4	105.0	101.8	101.8	101.8
85°	56.5	58.1	54.9	54.9	54.9	58.1	56.5	53.3	56.5	56.5	54.9
87.5°	21.0	19.4	19.4	19.4	19.4	19.4	21.0	22.6	22.6	22.6	24.3
90°	47.4	47.4	47.4	47.4	47.4	47.4	47.4	63.2	84.2	94.8	81.4
92.5°	237.0	227.6	189.8	152.2	189.8	227.6	237.0	335.9	467.8	533.8	468.7
95°	804.5	775.9	661.8	547.6	661.8	775.9	804.5	1056.4	1392.3	1560.3	1317.8
97.5°	1857.2	1802.8	1585.5	1368.2	1585.5	1802.8	1857.2	2016.4	2228.7	2334.9	1930.5
100°	2608.1	2543.3	2284.5	2025.6	2284.5	2543.3	2608.1	2596.4	2580.9	2573.1	2124.4
102.5°	3249.2	3193.8	2972.0	2750.3	2972.0	3193.8	3249.2	3046.3	2775.7	2640.5	2185.4
105°	3997.5	3967.7	3848.5	3729.4	3848.5	3967.7	3997.5	3542.7	2936.2	2633.0	2192.3
107.5°	4386.6	4393.9	4422.7	4451.5	4422.7	4393.9	4386.6	3752.2	2906.3	2483.4	2094.8
110°	4486.4	4517.5	4641.7	4765.8	4641.7	4517.5	4486.4	3777.2	2831.5	2358.6	2008.2



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4422.8	4470.5	4661.2	4851.9	4661.2	4470.5	4422.8	3696.9	2729.1	2245.1	1932.7
115°	4207.1	4273.2	4537.6	4802.0	4537.6	4273.2	4207.1	3507.7	2575.4	2109.2	1846.1
117.5°	3908.9	3982.2	4275.5	4568.7	4275.5	3982.2	3908.9	3277.8	2436.4	2015.6	1791.9
120°	3708.2	3779.4	4064.3	4349.2	4064.3	3779.4	3708.2	3131.5	2362.7	1978.2	1773.7
122.5°	3507.3	3577.6	3858.7	4139.7	3858.7	3577.6	3507.3	2988.0	2295.7	1949.5	1764.1
125°	3241.6	3306.4	3565.2	3824.1	3565.2	3306.4	3241.6	2800.5	2212.3	1918.3	1756.2
127.5°	3028.4	3083.0	3301.4	3519.8	3301.4	3083.0	3028.4	2649.6	2144.6	1892.1	1751.6
130°	2893.7	2944.1	3145.9	3347.7	3145.9	2944.1	2893.7	2556.5	2106.9	1882.2	1754.4
132.5°	2778.9	2824.2	3004.8	3185.5	3004.8	2824.2	2778.9	2477.1	2074.6	1873.4	1756.2
135°	2616.8	2655.8	2811.5	2967.2	2811.5	2655.8	2616.8	2364.0	2027.0	1858.5	1754.6
137.5°	2497.0	2528.9	2656.4	2783.9	2656.4	2528.9	2497.0	2283.3	1998.4	1856.0	1765.3
140°	2401.0	2430.8	2550.0	2669.2	2550.0	2430.8	2401.0	2216.4	1970.2	1847.2	1767.1
142.5°	2333.7	2359.3	2461.8	2564.4	2461.8	2359.3	2333.7	2171.6	1955.3	1847.2	1773.5
145°	2232.6	2252.0	2329.6	2407.2	2329.6	2252.0	2232.6	2100.0	1923.2	1834.8	1773.5
147.5°	2147.8	2163.8	2228.2	2292.5	2228.2	2163.8	2147.8	2043.5	1904.3	1834.8	1785.7
150°	2099.1	2112.1	2164.3	2216.4	2164.3	2112.1	2099.1	2011.0	1893.6	1834.8	1792.1
152.5°	2060.5	2070.4	2109.7	2149.1	2109.7	2070.4	2060.5	1985.3	1885.0	1834.8	1796.2
155°	2014.3	2020.8	2046.9	2072.9	2046.9	2020.8	2014.3	1954.5	1874.7	1834.8	1805.4
157.5°	1974.4	1979.0	1997.3	2015.6	1997.3	1979.0	1974.4	1927.8	1865.8	1834.8	1814.5
160°	1954.5	1957.2	1967.7	1978.2	1967.7	1957.2	1954.5	1914.6	1861.4	1834.8	1818.7
162.5°	1935.8	1938.3	1948.2	1958.2	1948.2	1938.3	1935.8	1902.1	1857.3	1834.8	1823.1
165°	1907.0	1909.7	1920.2	1930.8	1920.2	1909.7	1907.0	1883.0	1850.8	1834.8	1829.5
167.5°	1894.6	1895.7	1900.1	1904.6	1900.1	1895.7	1894.6	1878.8	1857.7	1847.2	1842.8
170°	1894.6	1894.6	1894.6	1894.6	1894.6	1894.6	1894.6	1878.8	1857.7	1847.2	1846.9
172.5°	1884.6	1883.7	1879.7	1875.9	1879.7	1883.7	1884.6	1872.2	1855.6	1847.2	1847.2
175°	1870.9	1870.9	1870.9	1870.9	1870.9	1870.9	1870.9	1863.0	1852.5	1847.2	1849.7
177.5°	1868.4	1867.3	1862.9	1858.5	1862.9	1867.3	1868.4	1862.2	1853.9	1849.7	1851.6
180°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1707.7	1707.7	1707.7	1707.7	1707.7
2.5°	1686.7	1694.7	1699.6	1706.1	1722.2
5°	1622.1	1652.7	1662.5	1686.7	1715.8
7.5°	1479.9	1573.6	1599.4	1657.6	1702.8
10°	1342.5	1436.2	1481.5	1618.8	1686.7
12.5°	1273.1	1328.0	1358.8	1551.0	1664.1
15°	1229.5	1268.3	1290.9	1460.5	1638.2
17.5°	1195.5	1223.0	1239.2	1371.7	1602.7
20°	1174.5	1187.5	1202.0	1307.0	1562.3
22.5°	1160.0	1151.9	1163.2	1261.8	1507.4
25°	1150.3	1119.6	1132.6	1226.3	1442.8
27.5°	1158.4	1090.6	1095.4	1193.9	1374.9
30°	1160.0	1055.0	1056.6	1160.0	1298.9
32.5°	1148.7	1017.8	1019.4	1118.0	1213.3
35°	1121.2	974.2	972.6	1069.5	1097.0
37.5°	1084.0	927.4	927.4	1016.2	969.4
40°	1038.8	880.5	885.4	946.7	856.2
42.5°	983.9	830.4	836.9	854.6	772.2
45°	924.1	782.0	786.8	722.1	707.6
47.5°	857.8	731.9	733.5	599.4	686.6
50°	778.7	680.1	673.7	513.8	685.0
52.5°	709.2	623.6	604.3	465.3	622.0
55°	641.4	563.9	521.9	428.2	576.8
57.5°	581.6	486.3	445.9	384.5	567.1
60°	526.7	410.3	379.7	337.7	520.3
62.5°	481.5	353.8	347.4	305.4	471.8
65°	433.0	315.0	313.4	277.9	400.7
67.5°	386.2	289.2	287.6	252.1	305.4
70°	336.1	261.7	258.5	224.6	226.2
72.5°	284.3	231.0	227.8	202.0	187.4
75°	232.6	195.5	193.8	176.1	151.8
77.5°	182.6	155.1	158.4	142.2	111.5
80°	130.9	113.1	116.4	101.8	84.0
82.5°	87.2	74.4	77.6	64.6	56.5
85°	48.5	42.0	43.6	34.0	25.9
87.5°	22.6	19.4	19.4	12.9	8.1
90°	54.8	34.9	32.4	22.4	12.4
92.5°	338.5	240.7	219.5	134.7	49.9
95°	832.7	469.0	430.2	274.9	119.7
97.5°	1121.7	515.1	480.9	343.9	207.0
100°	1226.9	553.8	522.8	398.6	274.4
102.5°	1275.2	592.5	563.5	447.7	331.8
105°	1310.9	649.9	625.3	527.2	429.0
107.5°	1317.6	734.7	711.8	620.3	528.9
110°	1307.5	782.0	761.4	678.8	596.2



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1307.9	839.4	819.7	741.0	662.3
115°	1320.1	925.5	907.3	834.6	762.0
117.5°	1344.5	1009.0	992.6	926.6	860.7
120°	1364.5	1057.7	1042.2	980.1	918.0
122.5°	1393.2	1115.0	1099.4	1036.8	974.1
125°	1431.9	1188.7	1174.4	1117.3	1060.2
127.5°	1470.5	1259.7	1245.4	1187.7	1130.1
130°	1498.8	1307.1	1291.6	1229.6	1167.5
132.5°	1521.7	1345.8	1330.3	1268.2	1206.1
135°	1546.7	1390.7	1376.6	1320.1	1263.5
137.5°	1584.0	1448.0	1434.1	1378.1	1322.1
140°	1606.9	1486.8	1473.8	1422.3	1370.7
142.5°	1626.0	1515.4	1503.5	1455.8	1408.1
145°	1651.0	1559.1	1548.7	1507.2	1465.6
147.5°	1687.6	1613.9	1603.8	1563.4	1522.9
150°	1706.7	1642.7	1633.5	1596.9	1560.3
152.5°	1719.2	1661.4	1654.5	1626.7	1599.0
155°	1746.6	1702.5	1697.4	1676.9	1656.3
157.5°	1774.1	1743.7	1738.7	1718.7	1698.8
160°	1786.5	1762.4	1758.6	1743.0	1727.5
162.5°	1799.8	1782.3	1779.4	1767.8	1756.2
165°	1819.0	1811.0	1808.4	1797.8	1787.3
167.5°	1833.9	1827.2	1826.0	1821.0	1816.1
170°	1846.3	1845.9	1844.7	1839.8	1834.8
172.5°	1847.2	1847.2	1847.0	1845.9	1844.7
175°	1854.7	1858.5	1858.5	1858.5	1858.5
177.5°	1855.6	1858.5	1858.5	1858.5	1858.5
180°	1858.5	1858.5	1858.5	1858.5	1858.5



TEST NUMBER: P935449  
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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	7.94	8.63	9.07	9.75	11.32	10.79	11.48	11.92	12.60	14.17
	3H	8.40	9.02	9.54	10.15	11.73	12.13	12.74	13.27	13.88	15.46
	4H	8.58	9.17	9.74	10.30	11.89	12.57	13.15	13.72	14.29	15.87
	6H	8.69	9.23	9.85	10.37	11.97	12.85	13.39	14.01	14.52	16.12
	8H	8.69	9.20	9.85	10.35	11.94	12.92	13.43	14.08	14.58	16.17
	12H	8.66	9.14	9.82	10.28	11.90	12.96	13.44	14.12	14.59	16.20
4H	2H	8.95	9.54	10.11	10.67	12.26	11.18	11.76	12.33	12.89	14.48
	3H	9.97	10.45	11.13	11.61	13.21	12.67	13.16	13.84	14.32	15.92
	4H	10.23	10.68	11.40	11.83	13.45	13.20	13.64	14.36	14.79	16.41
	6H	10.35	10.73	11.52	11.90	13.51	13.56	13.94	14.73	15.11	16.72
	8H	10.35	10.71	11.52	11.87	13.49	13.66	14.02	14.83	15.18	16.81
	12H	10.31	10.63	11.49	11.81	13.44	13.72	14.04	14.90	15.21	16.84
8H	4H	10.68	11.03	11.85	12.20	13.82	13.31	13.66	14.48	14.83	16.45
	6H	10.93	11.23	12.12	12.43	14.05	13.74	14.04	14.93	15.24	16.86
	8H	10.97	11.23	12.17	12.41	14.05	13.90	14.15	15.09	15.33	16.98
	12H	10.95	11.17	12.15	12.35	14.03	13.99	14.21	15.19	15.39	17.07
12H	4H	10.67	11.00	11.86	12.17	13.80	13.26	13.59	14.45	14.76	16.39
	6H	10.99	11.25	12.19	12.43	14.07	13.74	13.99	14.93	15.18	16.82
	8H	11.05	11.28	12.25	12.45	14.13	13.89	14.12	15.09	15.30	16.97