

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: P935992

Luminaire Tested: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935992
REPORT IS A COMBINATION OF REPORTS P933776 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

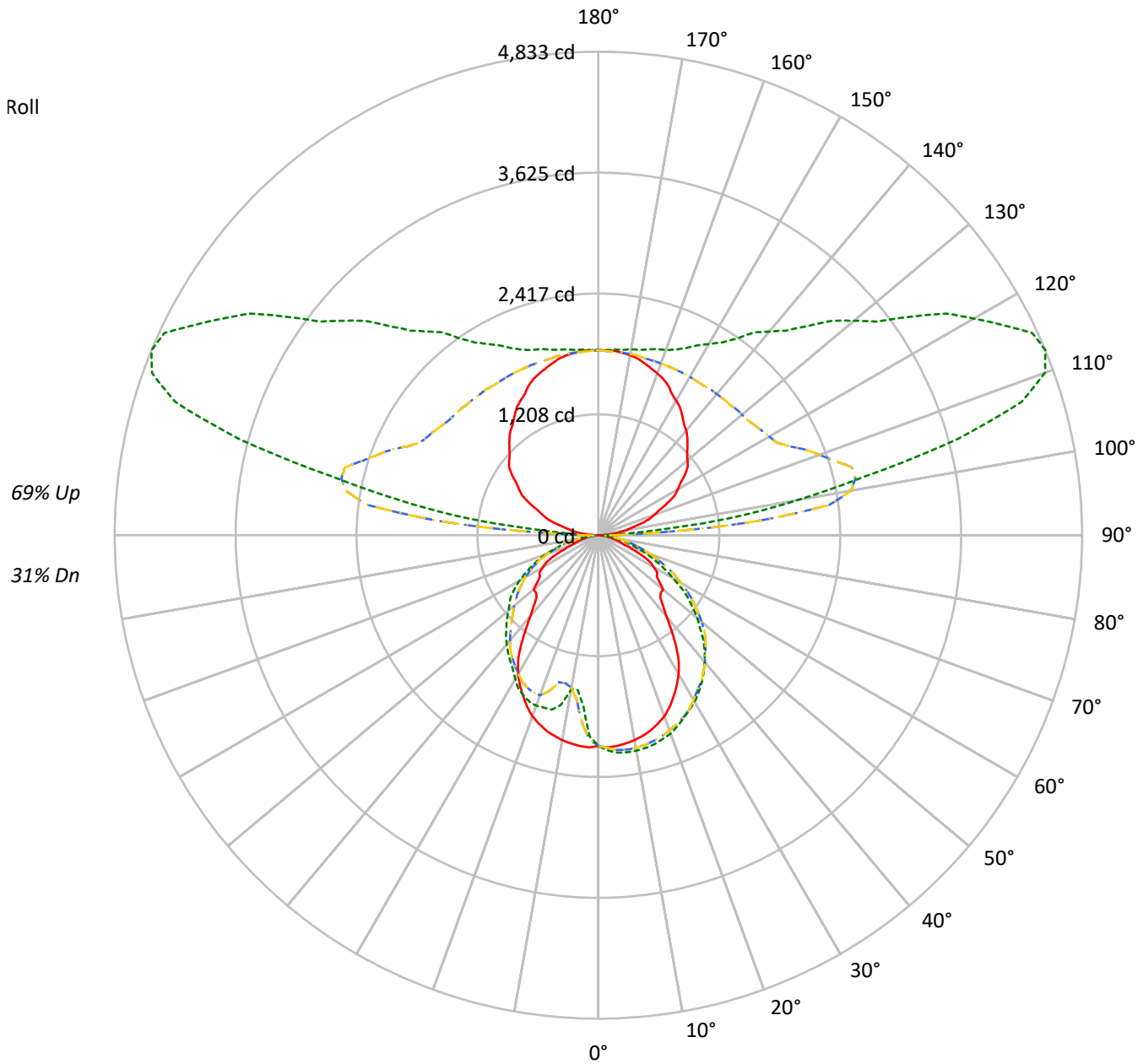
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17466.9 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 127.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9768	9768	9768	9768
5°	9841	9861	9841	7753
10°	9775	9713	9775	6944
15°	9669	9503	9669	7935
20°	9467	9254	9467	7952
25°	9053	8890	9053	7783
30°	8518	8588	8518	7413
35°	7594	8206	7594	7006
40°	6328	7757	6328	6699
45°	5654	7230	5654	6346
50°	6007	6603	6007	5992
55°	5651	5927	5651	5787
60°	5826	5034	5826	5300
65°	5282	4162	5282	4651
70°	3658	3316	3658	3899
75°	3206	2451	3206	2936
80°	2585	1621	2585	1765
85°	1486	859	1486	729

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8665 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.1	1.1
10°-20°	539.6	3.1
20°-30°	834.1	4.8
30°-40°	995.8	5.7
40°-50°	1001.6	5.7
50°-60°	871.6	5.0
60°-70°	618.0	3.5
70°-80°	326.9	1.9
80°-90°	88.5	0.5
90°-100°	902.4	5.2
100°-110°	2372.4	13.6
110°-120°	2459.9	14.1
120°-130°	1973.1	11.3
130°-140°	1548.2	8.9
140°-150°	1188.3	6.8
150°-160°	855.8	4.9
160°-170°	523.6	3.0
170°-180°	176.9	1.0
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0°-30°	1563.8	9.0
0°-40°	2559.6	14.7
0°-60°	4432.8	25.4
0°-90°	5466.2	31.3
90°-120°	5734.7	32.8
90°-150°	10444.4	59.8
90°-180°	12001.0	68.7
0°-180°	17466.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2105	2105	2105	2105	2105	
5°	2115	2181	2115	1715	2115	201
15°	2020	2161	2020	1805	2020	568
25°	1779	2016	1779	1765	1779	817
35°	1352	1799	1352	1536	1352	837
45°	872	1482	872	1301	872	699
55°	711	1094	711	1068	711	653
65°	494	659	494	737	494	472
75°	187	313	187	374	187	197
85°	32	80	32	68	32	43
90°	12	47	12	47	12	12
95°	119	545	119	545	119	132
105°	427	3715	427	3715	427	453
115°	759	4783	759	4783	759	750
125°	1056	3809	1056	3809	1056	938
135°	1258	2956	1258	2956	1258	974
145°	1460	2398	1460	2398	1460	915
155°	1650	2065	1650	2065	1650	758
165°	1780	1923	1780	1923	1780	502
175°	1851	1864	1851	1864	1851	176
180°	1851	1851	1851	1851	1851	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2123.4	2123.4	2135.3	2139.3	2139.3	2133.3	2127.4	2133.3	2151.3	2157.2	2155.2
5°	2115.4	2131.3	2153.3	2157.2	2161.2	2159.2	2155.2	2159.2	2179.1	2183.1	2185.1
7.5°	2099.5	2129.3	2157.2	2163.2	2169.2	2163.2	2161.2	2165.2	2185.1	2189.1	2189.1
10°	2079.5	2121.4	2153.3	2157.2	2163.2	2157.2	2157.2	2165.2	2185.1	2189.1	2191.1
12.5°	2051.7	2109.4	2139.3	2143.3	2151.3	2149.3	2147.3	2155.2	2175.2	2179.1	2179.1
15°	2019.8	2087.5	2115.4	2119.4	2133.3	2129.3	2129.3	2137.3	2159.2	2165.2	2163.2
17.5°	1976.0	2059.6	2091.5	2097.5	2107.4	2105.4	2107.4	2115.4	2135.3	2139.3	2141.3
20°	1926.2	2021.8	2059.6	2065.6	2075.6	2075.6	2075.6	2085.5	2105.4	2113.4	2113.4
22.5°	1858.4	1981.9	2021.8	2025.8	2037.7	2037.7	2041.7	2055.6	2073.6	2075.6	2075.6
25°	1778.8	1938.1	1972.0	1983.9	1995.9	2001.9	2007.8	2015.8	2021.8	2019.8	2021.8
27.5°	1695.1	1882.3	1926.2	1934.1	1950.1	1956.0	1964.0	1966.0	1968.0	1974.0	1970.0
30°	1601.5	1804.7	1870.4	1878.4	1904.3	1908.2	1900.3	1904.3	1914.2	1918.2	1922.2
32.5°	1495.9	1689.1	1812.6	1830.5	1854.5	1842.5	1840.5	1846.5	1862.4	1862.4	1866.4
35°	1352.5	1599.5	1758.8	1774.8	1792.7	1778.8	1786.7	1788.7	1798.7	1804.7	1802.7
37.5°	1195.1	1521.8	1703.1	1715.0	1729.0	1711.0	1723.0	1729.0	1736.9	1732.9	1732.9
40°	1055.8	1400.3	1637.3	1645.3	1657.2	1643.3	1655.3	1659.2	1663.2	1659.2	1657.2
42.5°	952.2	1266.8	1567.6	1577.6	1569.6	1579.6	1583.5	1591.5	1585.5	1577.6	1577.6
45°	872.5	1231.0	1491.9	1503.9	1491.9	1507.8	1513.8	1513.8	1495.9	1491.9	1489.9
47.5°	846.6	1159.3	1416.2	1416.2	1410.2	1430.2	1440.1	1426.2	1408.2	1402.3	1402.3
50°	844.6	1079.7	1312.6	1304.7	1332.5	1356.5	1346.5	1332.5	1318.6	1296.7	1296.7
52.5°	766.9	982.1	1179.3	1209.0	1252.9	1266.8	1250.9	1236.9	1213.0	1203.1	1195.1
55°	711.1	880.5	1057.8	1117.5	1163.3	1181.3	1151.4	1137.4	1101.6	1095.6	1091.6
57.5°	699.2	733.1	946.2	1021.9	1077.7	1075.7	1057.8	1031.9	1002.0	996.0	994.0
60°	641.4	529.9	826.7	916.3	974.1	968.1	952.2	928.3	900.4	896.4	892.4
62.5°	581.7	384.5	691.2	792.8	874.5	872.5	858.6	822.7	802.8	792.8	784.8
65°	494.0	322.7	492.0	659.4	776.9	780.9	751.0	725.1	703.2	691.2	689.2
67.5°	376.5	262.9	332.7	549.8	683.3	679.3	641.4	629.5	601.6	595.6	583.7
70°	278.9	175.3	231.1	446.2	591.6	581.7	551.8	537.8	511.9	498.0	490.0
72.5°	231.1	141.4	169.3	346.6	498.0	486.0	460.2	444.2	422.3	410.4	402.4
75°	187.2	149.4	129.5	257.0	404.4	396.4	372.5	356.6	338.6	322.7	324.7
77.5°	137.4	139.4	103.6	189.2	320.7	308.8	294.8	274.9	266.9	251.0	251.0
80°	103.6	109.6	77.7	129.5	231.1	231.1	219.1	205.2	191.2	183.3	183.3
82.5°	69.7	69.7	57.8	81.7	157.4	151.4	143.4	139.4	131.5	127.5	127.5
85°	31.9	39.8	35.9	49.8	85.7	89.6	89.6	85.7	83.7	79.7	81.7
87.5°	10.0	17.9	21.9	27.9	43.8	45.8	47.8	47.8	47.8	49.8	49.8
90°	12.4	22.4	32.3	34.8	54.7	81.2	94.4	84.0	62.9	47.2	47.2
92.5°	49.7	134.2	218.7	239.8	337.1	466.9	531.8	466.0	334.7	236.1	226.7
95°	119.3	273.9	428.5	467.1	829.5	1312.6	1554.3	1386.9	1052.4	801.4	772.9
97.5°	206.3	342.6	479.1	513.1	1117.4	1923.1	2325.9	2220.1	2008.6	1850.0	1795.9
100°	273.3	397.0	520.7	551.7	1222.2	2116.1	2563.1	2570.9	2586.3	2597.9	2533.4
102.5°	330.5	445.9	561.2	590.1	1270.2	2176.9	2630.2	2765.0	3034.4	3236.5	3181.3
105°	427.4	525.1	622.9	647.3	1305.8	2183.7	2622.8	2924.9	3528.9	3982.0	3952.3
107.5°	526.8	617.9	709.0	731.8	1312.4	2086.6	2473.7	2895.0	3737.7	4369.7	4376.8
110°	593.9	676.2	758.5	779.0	1302.5	2000.5	2349.5	2820.5	3762.5	4469.1	4499.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	659.8	738.1	816.5	836.1	1302.9	1925.2	2236.3	2718.4	3682.5	4405.6	4453.1
115°	759.2	831.5	903.8	921.9	1314.9	1838.9	2101.0	2565.3	3494.1	4190.7	4256.5
117.5°	857.3	923.0	988.7	1005.2	1339.3	1784.9	2007.7	2426.9	3265.1	3893.8	3966.8
120°	914.4	976.3	1038.1	1053.6	1359.2	1766.7	1970.5	2353.4	3119.4	3693.8	3764.7
122.5°	970.3	1032.8	1095.1	1110.7	1387.8	1757.2	1941.9	2286.7	2976.4	3493.7	3563.7
125°	1056.1	1112.9	1169.8	1184.0	1426.3	1749.3	1910.8	2203.7	2789.6	3229.0	3293.5
127.5°	1125.7	1183.0	1240.5	1254.9	1464.8	1744.8	1884.7	2136.2	2639.3	3016.6	3071.0
130°	1162.9	1224.8	1286.6	1302.1	1493.0	1747.5	1874.8	2098.7	2546.6	2882.4	2932.7
132.5°	1201.5	1263.3	1325.2	1340.6	1515.8	1749.4	1866.1	2066.5	2467.4	2768.1	2813.1
135°	1258.5	1314.9	1371.3	1385.3	1540.6	1747.7	1851.2	2019.1	2354.8	2606.6	2645.4
137.5°	1317.0	1372.8	1428.5	1442.4	1577.9	1758.4	1848.8	1990.7	2274.5	2487.3	2519.1
140°	1365.4	1416.8	1468.1	1481.0	1600.7	1760.2	1840.0	1962.6	2207.8	2391.7	2421.4
142.5°	1402.7	1450.2	1497.7	1509.5	1619.7	1766.6	1840.0	1947.7	2163.0	2324.6	2350.1
145°	1459.8	1501.3	1542.7	1553.1	1644.6	1766.6	1827.6	1915.6	2091.8	2224.0	2243.3
147.5°	1517.0	1557.3	1597.7	1607.7	1681.0	1778.8	1827.6	1896.9	2035.4	2139.4	2155.4
150°	1554.3	1590.7	1627.2	1636.2	1700.0	1785.0	1827.6	1886.1	2003.2	2091.0	2104.0
152.5°	1592.8	1620.4	1648.1	1655.0	1712.5	1789.2	1827.6	1877.6	1977.5	2052.5	2062.2
155°	1650.0	1670.4	1690.8	1695.9	1739.8	1798.3	1827.6	1867.3	1946.9	2006.5	2013.0
157.5°	1692.2	1712.1	1731.9	1736.9	1767.1	1807.4	1827.6	1858.5	1920.4	1966.8	1971.4
160°	1720.8	1736.2	1751.7	1755.5	1779.6	1811.5	1827.6	1854.1	1907.1	1946.9	1949.5
162.5°	1749.4	1760.9	1772.6	1775.5	1792.8	1816.0	1827.6	1850.0	1894.7	1928.3	1930.7
165°	1780.4	1790.8	1801.4	1804.0	1811.8	1822.3	1827.6	1843.6	1875.7	1899.7	1902.3
167.5°	1808.9	1813.9	1818.9	1820.2	1826.8	1835.6	1840.0	1850.5	1871.5	1887.2	1888.3
170°	1827.6	1832.5	1837.5	1838.8	1839.2	1839.7	1840.0	1850.5	1871.5	1887.2	1887.2
172.5°	1837.5	1838.6	1839.7	1840.0	1840.0	1840.0	1840.0	1848.3	1864.8	1877.3	1876.3
175°	1851.2	1851.2	1851.2	1851.2	1847.5	1842.5	1840.0	1845.3	1855.7	1863.6	1863.6
177.5°	1851.2	1851.2	1851.2	1851.2	1848.3	1844.4	1842.5	1846.7	1855.0	1861.1	1860.0
180°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2159.2	2153.3	2159.2	2155.2	2157.2	2151.3	2133.3	2127.4	2133.3	2139.3	2139.3
5°	2185.1	2181.1	2185.1	2185.1	2183.1	2179.1	2159.2	2155.2	2159.2	2161.2	2157.2
7.5°	2193.1	2187.1	2193.1	2189.1	2189.1	2185.1	2165.2	2161.2	2163.2	2169.2	2163.2
10°	2193.1	2187.1	2193.1	2191.1	2189.1	2185.1	2165.2	2157.2	2157.2	2163.2	2157.2
12.5°	2183.1	2179.1	2183.1	2179.1	2179.1	2175.2	2155.2	2147.3	2149.3	2151.3	2143.3
15°	2167.2	2161.2	2167.2	2163.2	2165.2	2159.2	2137.3	2129.3	2129.3	2133.3	2119.4
17.5°	2143.3	2135.3	2143.3	2141.3	2139.3	2135.3	2115.4	2107.4	2105.4	2107.4	2097.5
20°	2115.4	2109.4	2115.4	2113.4	2113.4	2105.4	2085.5	2075.6	2075.6	2075.6	2065.6
22.5°	2071.6	2065.6	2071.6	2075.6	2075.6	2073.6	2055.6	2041.7	2037.7	2037.7	2025.8
25°	2021.8	2015.8	2021.8	2021.8	2019.8	2021.8	2015.8	2007.8	2001.9	1995.9	1983.9
27.5°	1974.0	1970.0	1974.0	1970.0	1974.0	1968.0	1966.0	1964.0	1956.0	1950.1	1934.1
30°	1926.2	1922.2	1926.2	1922.2	1918.2	1914.2	1904.3	1900.3	1908.2	1904.3	1878.4
32.5°	1866.4	1862.4	1866.4	1866.4	1862.4	1862.4	1846.5	1840.5	1842.5	1854.5	1830.5
35°	1804.7	1798.7	1804.7	1802.7	1804.7	1798.7	1788.7	1786.7	1778.8	1792.7	1774.8
37.5°	1732.9	1727.0	1732.9	1732.9	1732.9	1736.9	1729.0	1723.0	1711.0	1729.0	1715.0
40°	1659.2	1651.3	1659.2	1657.2	1659.2	1663.2	1659.2	1655.3	1643.3	1657.2	1645.3
42.5°	1575.6	1573.6	1575.6	1577.6	1577.6	1585.5	1591.5	1583.5	1579.6	1569.6	1577.6
45°	1485.9	1481.9	1485.9	1489.9	1491.9	1495.9	1513.8	1513.8	1507.8	1491.9	1503.9
47.5°	1390.3	1380.4	1390.3	1402.3	1402.3	1408.2	1426.2	1440.1	1430.2	1410.2	1416.2
50°	1288.7	1290.7	1288.7	1296.7	1296.7	1318.6	1332.5	1346.5	1356.5	1332.5	1304.7
52.5°	1189.1	1187.2	1189.1	1195.1	1203.1	1213.0	1236.9	1250.9	1266.8	1252.9	1209.0
55°	1089.6	1093.6	1089.6	1091.6	1095.6	1101.6	1137.4	1151.4	1181.3	1163.3	1117.5
57.5°	990.0	984.0	990.0	994.0	996.0	1002.0	1031.9	1057.8	1075.7	1077.7	1021.9
60°	874.5	866.5	874.5	892.4	896.4	900.4	928.3	952.2	968.1	974.1	916.3
62.5°	772.9	759.0	772.9	784.8	792.8	802.8	822.7	858.6	872.5	874.5	792.8
65°	665.3	659.4	665.3	689.2	691.2	703.2	725.1	751.0	780.9	776.9	659.4
67.5°	567.7	567.7	567.7	583.7	595.6	601.6	629.5	641.4	679.3	683.3	549.8
70°	478.1	476.1	478.1	490.0	498.0	511.9	537.8	551.8	581.7	591.6	446.2
72.5°	392.4	390.4	392.4	402.4	410.4	422.3	444.2	460.2	486.0	498.0	346.6
75°	316.7	312.7	316.7	324.7	322.7	338.6	356.6	372.5	396.4	404.4	257.0
77.5°	243.0	243.0	243.0	251.0	251.0	266.9	274.9	294.8	308.8	320.7	189.2
80°	181.3	179.3	181.3	183.3	183.3	191.2	205.2	219.1	231.1	231.1	129.5
82.5°	127.5	123.5	127.5	127.5	127.5	131.5	139.4	143.4	151.4	157.4	81.7
85°	79.7	79.7	79.7	81.7	79.7	83.7	85.7	89.6	89.6	85.7	49.8
87.5°	51.8	49.8	51.8	49.8	49.8	47.8	47.8	47.8	45.8	43.8	27.9
90°	47.2	47.2	47.2	47.2	47.2	62.9	84.0	94.4	81.2	54.7	34.8
92.5°	189.1	151.6	189.1	226.7	236.1	334.7	466.0	531.8	466.9	337.1	239.8
95°	659.2	545.4	659.2	772.9	801.4	1052.4	1386.9	1554.3	1312.6	829.5	467.1
97.5°	1579.4	1362.9	1579.4	1795.9	1850.0	2008.6	2220.1	2325.9	1923.1	1117.4	513.1
100°	2275.6	2017.7	2275.6	2533.4	2597.9	2586.3	2570.9	2563.1	2116.1	1222.2	551.7
102.5°	2960.4	2739.6	2960.4	3181.3	3236.5	3034.4	2765.0	2630.2	2176.9	1270.2	590.1
105°	3833.6	3714.9	3833.6	3952.3	3982.0	3528.9	2924.9	2622.8	2183.7	1305.8	647.3
107.5°	4405.5	4434.2	4405.5	4376.8	4369.7	3737.7	2895.0	2473.7	2086.6	1312.4	731.8
110°	4623.6	4747.3	4623.6	4499.9	4469.1	3762.5	2820.5	2349.5	2000.5	1302.5	779.0



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CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4643.1	4833.0	4643.1	4453.1	4405.6	3682.5	2718.4	2236.3	1925.2	1302.9	836.1
115°	4519.9	4783.3	4519.9	4256.5	4190.7	3494.1	2565.3	2101.0	1838.9	1314.9	921.9
117.5°	4258.9	4551.0	4258.9	3966.8	3893.8	3265.1	2426.9	2007.7	1784.9	1339.3	1005.2
120°	4048.5	4332.3	4048.5	3764.7	3693.8	3119.4	2353.4	1970.5	1766.7	1359.2	1053.6
122.5°	3843.7	4123.6	3843.7	3563.7	3493.7	2976.4	2286.7	1941.9	1757.2	1387.8	1110.7
125°	3551.4	3809.3	3551.4	3293.5	3229.0	2789.6	2203.7	1910.8	1749.3	1426.3	1184.0
127.5°	3288.6	3506.1	3288.6	3071.0	3016.6	2639.3	2136.2	1884.7	1744.8	1464.8	1254.9
130°	3133.7	3334.7	3133.7	2932.7	2882.4	2546.6	2098.7	1874.8	1747.5	1493.0	1302.1
132.5°	2993.1	3173.2	2993.1	2813.1	2768.1	2467.4	2066.5	1866.1	1749.4	1515.8	1340.6
135°	2800.6	2955.7	2800.6	2645.4	2606.6	2354.8	2019.1	1851.2	1747.7	1540.6	1385.3
137.5°	2646.1	2773.1	2646.1	2519.1	2487.3	2274.5	1990.7	1848.8	1758.4	1577.9	1442.4
140°	2540.1	2658.8	2540.1	2421.4	2391.7	2207.8	1962.6	1840.0	1760.2	1600.7	1481.0
142.5°	2452.3	2554.4	2452.3	2350.1	2324.6	2163.0	1947.7	1840.0	1766.6	1619.7	1509.5
145°	2320.6	2397.9	2320.6	2243.3	2224.0	2091.8	1915.6	1827.6	1766.6	1644.6	1553.1
147.5°	2219.5	2283.5	2219.5	2155.4	2139.4	2035.4	1896.9	1827.6	1778.8	1681.0	1607.7
150°	2155.9	2207.8	2155.9	2104.0	2091.0	2003.2	1886.1	1827.6	1785.0	1700.0	1636.2
152.5°	2101.5	2140.7	2101.5	2062.2	2052.5	1977.5	1877.6	1827.6	1789.2	1712.5	1655.0
155°	2039.0	2064.9	2039.0	2013.0	2006.5	1946.9	1867.3	1827.6	1798.3	1739.8	1695.9
157.5°	1989.5	2007.7	1989.5	1971.4	1966.8	1920.4	1858.5	1827.6	1807.4	1767.1	1736.9
160°	1960.0	1970.5	1960.0	1949.5	1946.9	1907.1	1854.1	1827.6	1811.5	1779.6	1755.5
162.5°	1940.6	1950.6	1940.6	1930.7	1928.3	1894.7	1850.0	1827.6	1816.0	1792.8	1775.5
165°	1912.8	1923.3	1912.8	1902.3	1899.7	1875.7	1843.6	1827.6	1822.3	1811.8	1804.0
167.5°	1892.8	1897.2	1892.8	1888.3	1887.2	1871.5	1850.5	1840.0	1835.6	1826.8	1820.2
170°	1887.2	1887.2	1887.2	1887.2	1887.2	1871.5	1850.5	1840.0	1839.7	1839.2	1838.8
172.5°	1872.5	1868.6	1872.5	1876.3	1877.3	1864.8	1848.3	1840.0	1840.0	1840.0	1840.0
175°	1863.6	1863.6	1863.6	1863.6	1863.6	1855.7	1845.3	1840.0	1842.5	1847.5	1851.2
177.5°	1855.5	1851.2	1855.5	1860.0	1861.1	1855.0	1846.7	1842.5	1844.4	1848.3	1851.2
180°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2135.3	2123.4	2123.4	2103.5	2095.5	2089.5	2079.5	2049.7	2041.7	2033.7	2045.7
5°	2153.3	2131.3	2115.4	2079.5	2049.7	2037.7	1999.9	1928.2	1880.3	1844.5	1824.6
7.5°	2157.2	2129.3	2099.5	2043.7	1972.0	1940.1	1824.6	1693.1	1657.2	1625.4	1605.5
10°	2153.3	2121.4	2079.5	1995.9	1826.6	1770.8	1655.3	1569.6	1547.7	1541.7	1547.7
12.5°	2139.3	2109.4	2051.7	1912.2	1675.2	1637.3	1569.6	1519.8	1515.8	1525.8	1579.6
15°	2115.4	2087.5	2019.8	1800.7	1591.5	1563.6	1515.8	1497.9	1519.8	1589.5	1750.9
17.5°	2091.5	2059.6	1976.0	1691.1	1527.8	1507.8	1474.0	1509.8	1633.3	1727.0	1780.7
20°	2059.6	2021.8	1926.2	1611.4	1481.9	1464.0	1448.1	1609.4	1703.1	1736.9	1766.8
22.5°	2021.8	1981.9	1858.4	1555.7	1434.1	1420.2	1430.2	1665.2	1703.1	1727.0	1752.9
25°	1972.0	1938.1	1778.8	1511.8	1396.3	1380.4	1418.2	1659.2	1681.1	1687.1	1738.9
27.5°	1926.2	1882.3	1695.1	1472.0	1350.5	1344.5	1428.2	1633.3	1649.3	1655.3	1711.0
30°	1870.4	1804.7	1601.5	1430.2	1302.7	1300.7	1430.2	1601.5	1597.5	1613.4	1669.2
32.5°	1812.6	1689.1	1495.9	1378.4	1256.9	1254.9	1416.2	1553.7	1549.7	1571.6	1613.4
35°	1758.8	1599.5	1352.5	1318.6	1199.1	1201.1	1382.3	1497.9	1499.9	1519.8	1545.7
37.5°	1703.1	1521.8	1195.1	1252.9	1143.4	1143.4	1336.5	1446.1	1442.1	1448.1	1483.9
40°	1637.3	1400.3	1055.8	1167.3	1091.6	1085.6	1280.8	1390.3	1376.4	1374.4	1424.2
42.5°	1567.6	1266.8	952.2	1053.8	1031.9	1023.9	1213.0	1322.6	1296.7	1302.7	1366.4
45°	1491.9	1231.0	872.5	890.4	970.1	964.1	1139.4	1244.9	1227.0	1242.9	1308.6
47.5°	1416.2	1159.3	846.6	739.0	904.4	902.4	1057.8	1169.3	1159.3	1175.3	1244.9
50°	1312.6	1079.7	844.6	633.5	830.7	838.6	960.1	1095.6	1095.6	1109.5	1183.2
52.5°	1179.3	982.1	766.9	573.7	745.0	768.9	874.5	1031.9	1035.8	1049.8	1115.5
55°	1057.8	880.5	711.1	527.9	643.4	695.2	790.8	966.1	974.1	988.0	1047.8
57.5°	946.2	733.1	699.2	474.1	549.8	599.6	717.1	902.4	906.4	918.3	976.1
60°	826.7	529.9	641.4	416.3	468.1	506.0	649.4	826.7	840.6	848.6	898.4
62.5°	691.2	384.5	581.7	376.5	428.3	436.2	593.6	755.0	772.9	778.9	808.8
65°	492.0	322.7	494.0	342.6	386.4	388.4	533.9	681.3	697.2	707.2	729.1
67.5°	332.7	262.9	376.5	310.8	354.6	356.6	476.1	595.6	617.5	625.5	639.4
70°	231.1	175.3	278.9	276.9	318.7	322.7	414.3	517.9	537.8	543.8	551.8
72.5°	169.3	141.4	231.1	249.0	280.9	284.9	350.6	430.3	450.2	456.2	460.2
75°	129.5	149.4	187.2	217.1	239.0	241.0	286.8	350.6	364.5	368.5	370.5
77.5°	103.6	139.4	137.4	175.3	195.2	191.2	225.1	270.9	282.9	282.9	282.9
80°	77.7	109.6	103.6	125.5	143.4	139.4	161.4	193.2	197.2	201.2	199.2
82.5°	57.8	69.7	69.7	79.7	95.6	91.6	107.6	125.5	125.5	125.5	129.5
85°	35.9	39.8	31.9	41.8	53.8	51.8	59.8	67.7	69.7	69.7	65.7
87.5°	21.9	17.9	10.0	15.9	23.9	23.9	27.9	29.9	27.9	27.9	27.9
90°	32.3	22.4	12.4	22.4	32.3	34.8	54.7	81.2	94.4	84.0	62.9
92.5°	218.7	134.2	49.7	134.2	218.7	239.8	337.1	466.9	531.8	466.0	334.7
95°	428.5	273.9	119.3	273.9	428.5	467.1	829.5	1312.6	1554.3	1386.9	1052.4
97.5°	479.1	342.6	206.3	342.6	479.1	513.1	1117.4	1923.1	2325.9	2220.1	2008.6
100°	520.7	397.0	273.3	397.0	520.7	551.7	1222.2	2116.1	2563.1	2570.9	2586.3
102.5°	561.2	445.9	330.5	445.9	561.2	590.1	1270.2	2176.9	2630.2	2765.0	3034.4
105°	622.9	525.1	427.4	525.1	622.9	647.3	1305.8	2183.7	2622.8	2924.9	3528.9
107.5°	709.0	617.9	526.8	617.9	709.0	731.8	1312.4	2086.6	2473.7	2895.0	3737.7
110°	758.5	676.2	593.9	676.2	758.5	779.0	1302.5	2000.5	2349.5	2820.5	3762.5



TEST NUMBER: P935992

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	816.5	738.1	659.8	738.1	816.5	836.1	1302.9	1925.2	2236.3	2718.4	3682.5
115°	903.8	831.5	759.2	831.5	903.8	921.9	1314.9	1838.9	2101.0	2565.3	3494.1
117.5°	988.7	923.0	857.3	923.0	988.7	1005.2	1339.3	1784.9	2007.7	2426.9	3265.1
120°	1038.1	976.3	914.4	976.3	1038.1	1053.6	1359.2	1766.7	1970.5	2353.4	3119.4
122.5°	1095.1	1032.8	970.3	1032.8	1095.1	1110.7	1387.8	1757.2	1941.9	2286.7	2976.4
125°	1169.8	1112.9	1056.1	1112.9	1169.8	1184.0	1426.3	1749.3	1910.8	2203.7	2789.6
127.5°	1240.5	1183.0	1125.7	1183.0	1240.5	1254.9	1464.8	1744.8	1884.7	2136.2	2639.3
130°	1286.6	1224.8	1162.9	1224.8	1286.6	1302.1	1493.0	1747.5	1874.8	2098.7	2546.6
132.5°	1325.2	1263.3	1201.5	1263.3	1325.2	1340.6	1515.8	1749.4	1866.1	2066.5	2467.4
135°	1371.3	1314.9	1258.5	1314.9	1371.3	1385.3	1540.6	1747.7	1851.2	2019.1	2354.8
137.5°	1428.5	1372.8	1317.0	1372.8	1428.5	1442.4	1577.9	1758.4	1848.8	1990.7	2274.5
140°	1468.1	1416.8	1365.4	1416.8	1468.1	1481.0	1600.7	1760.2	1840.0	1962.6	2207.8
142.5°	1497.7	1450.2	1402.7	1450.2	1497.7	1509.5	1619.7	1766.6	1840.0	1947.7	2163.0
145°	1542.7	1501.3	1459.8	1501.3	1542.7	1553.1	1644.6	1766.6	1827.6	1915.6	2091.8
147.5°	1597.7	1557.3	1517.0	1557.3	1597.7	1607.7	1681.0	1778.8	1827.6	1896.9	2035.4
150°	1627.2	1590.7	1554.3	1590.7	1627.2	1636.2	1700.0	1785.0	1827.6	1886.1	2003.2
152.5°	1648.1	1620.4	1592.8	1620.4	1648.1	1655.0	1712.5	1789.2	1827.6	1877.6	1977.5
155°	1690.8	1670.4	1650.0	1670.4	1690.8	1695.9	1739.8	1798.3	1827.6	1867.3	1946.9
157.5°	1731.9	1712.1	1692.2	1712.1	1731.9	1736.9	1767.1	1807.4	1827.6	1858.5	1920.4
160°	1751.7	1736.2	1720.8	1736.2	1751.7	1755.5	1779.6	1811.5	1827.6	1854.1	1907.1
162.5°	1772.6	1760.9	1749.4	1760.9	1772.6	1775.5	1792.8	1816.0	1827.6	1850.0	1894.7
165°	1801.4	1790.8	1780.4	1790.8	1801.4	1804.0	1811.8	1822.3	1827.6	1843.6	1875.7
167.5°	1818.9	1813.9	1808.9	1813.9	1818.9	1820.2	1826.8	1835.6	1840.0	1850.5	1871.5
170°	1837.5	1832.5	1827.6	1832.5	1837.5	1838.8	1839.2	1839.7	1840.0	1850.5	1871.5
172.5°	1839.7	1838.6	1837.5	1838.6	1839.7	1840.0	1840.0	1840.0	1840.0	1848.3	1864.8
175°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1847.5	1842.5	1840.0	1845.3	1855.7
177.5°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1848.3	1844.4	1842.5	1846.7	1855.0
180°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2



TEST NUMBER: P935992

CATALOG NUMBER: SQ4-FA-150U-075D-B2750-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2031.7	2025.8	2033.7	2011.8	2033.7	2025.8	2031.7	2045.7	2033.7	2041.7	2049.7
5°	1782.7	1772.8	1740.9	1715.0	1740.9	1772.8	1782.7	1824.6	1844.5	1880.3	1928.2
7.5°	1593.5	1585.5	1577.6	1561.6	1577.6	1585.5	1593.5	1605.5	1625.4	1657.2	1693.1
10°	1551.7	1553.7	1565.6	1563.6	1565.6	1553.7	1551.7	1547.7	1541.7	1547.7	1569.6
12.5°	1659.2	1677.2	1742.9	1738.9	1742.9	1677.2	1659.2	1579.6	1525.8	1515.8	1519.8
15°	1782.7	1788.7	1802.7	1804.7	1802.7	1788.7	1782.7	1750.9	1589.5	1519.8	1497.9
17.5°	1794.7	1796.7	1806.6	1806.6	1806.6	1796.7	1794.7	1780.7	1727.0	1633.3	1509.8
20°	1784.7	1788.7	1808.6	1812.6	1808.6	1788.7	1784.7	1766.8	1736.9	1703.1	1609.4
22.5°	1780.7	1788.7	1804.7	1802.7	1804.7	1788.7	1780.7	1752.9	1727.0	1703.1	1665.2
25°	1760.8	1760.8	1762.8	1764.8	1762.8	1760.8	1760.8	1738.9	1687.1	1681.1	1659.2
27.5°	1719.0	1723.0	1734.9	1732.9	1734.9	1723.0	1719.0	1711.0	1655.3	1649.3	1633.3
30°	1681.1	1677.2	1667.2	1659.2	1667.2	1677.2	1681.1	1669.2	1613.4	1597.5	1601.5
32.5°	1617.4	1607.4	1597.5	1591.5	1597.5	1607.4	1617.4	1613.4	1571.6	1549.7	1553.7
35°	1541.7	1543.7	1541.7	1535.7	1541.7	1543.7	1541.7	1545.7	1519.8	1499.9	1497.9
37.5°	1487.9	1491.9	1489.9	1481.9	1489.9	1491.9	1487.9	1483.9	1448.1	1442.1	1446.1
40°	1432.1	1434.1	1432.1	1426.2	1432.1	1434.1	1432.1	1424.2	1374.4	1376.4	1390.3
42.5°	1378.4	1376.4	1370.4	1366.4	1370.4	1376.4	1378.4	1366.4	1302.7	1296.7	1322.6
45°	1316.6	1318.6	1306.7	1300.7	1306.7	1318.6	1316.6	1308.6	1242.9	1227.0	1244.9
47.5°	1254.9	1254.9	1244.9	1238.9	1244.9	1254.9	1254.9	1244.9	1175.3	1159.3	1169.3
50°	1189.1	1187.2	1173.3	1171.3	1173.3	1187.2	1189.1	1183.2	1109.5	1095.6	1095.6
52.5°	1113.5	1113.5	1115.5	1119.5	1115.5	1113.5	1113.5	1115.5	1049.8	1035.8	1031.9
55°	1047.8	1049.8	1063.7	1067.7	1063.7	1049.8	1047.8	1047.8	988.0	974.1	966.1
57.5°	980.1	980.1	990.0	990.0	990.0	980.1	980.1	976.1	918.3	906.4	902.4
60°	902.4	906.4	914.3	912.3	914.3	906.4	902.4	898.4	848.6	840.6	826.7
62.5°	820.7	824.7	826.7	822.7	826.7	824.7	820.7	808.8	778.9	772.9	755.0
65°	735.0	739.0	741.0	737.0	741.0	739.0	735.0	729.1	707.2	697.2	681.3
67.5°	647.4	645.4	643.4	651.4	643.4	645.4	647.4	639.4	625.5	617.5	595.6
70°	557.8	557.8	555.8	559.8	555.8	557.8	557.8	551.8	543.8	537.8	517.9
72.5°	462.1	460.2	468.1	462.1	468.1	460.2	462.1	460.2	456.2	450.2	430.3
75°	368.5	372.5	368.5	374.5	368.5	372.5	368.5	370.5	368.5	364.5	350.6
77.5°	280.9	284.9	280.9	280.9	280.9	284.9	280.9	282.9	282.9	282.9	270.9
80°	199.2	197.2	197.2	195.2	197.2	197.2	199.2	199.2	201.2	197.2	193.2
82.5°	127.5	125.5	125.5	129.5	125.5	125.5	127.5	129.5	125.5	125.5	125.5
85°	69.7	71.7	67.7	67.7	67.7	71.7	69.7	65.7	69.7	69.7	67.7
87.5°	25.9	23.9	23.9	23.9	23.9	23.9	25.9	27.9	27.9	27.9	29.9
90°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	62.9	84.0	94.4	81.2
92.5°	236.1	226.7	189.1	151.6	189.1	226.7	236.1	334.7	466.0	531.8	466.9
95°	801.4	772.9	659.2	545.4	659.2	772.9	801.4	1052.4	1386.9	1554.3	1312.6
97.5°	1850.0	1795.9	1579.4	1362.9	1579.4	1795.9	1850.0	2008.6	2220.1	2325.9	1923.1
100°	2597.9	2533.4	2275.6	2017.7	2275.6	2533.4	2597.9	2586.3	2570.9	2563.1	2116.1
102.5°	3236.5	3181.3	2960.4	2739.6	2960.4	3181.3	3236.5	3034.4	2765.0	2630.2	2176.9
105°	3982.0	3952.3	3833.6	3714.9	3833.6	3952.3	3982.0	3528.9	2924.9	2622.8	2183.7
107.5°	4369.7	4376.8	4405.5	4434.2	4405.5	4376.8	4369.7	3737.7	2895.0	2473.7	2086.6
110°	4469.1	4499.9	4623.6	4747.3	4623.6	4499.9	4469.1	3762.5	2820.5	2349.5	2000.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4405.6	4453.1	4643.1	4833.0	4643.1	4453.1	4405.6	3682.5	2718.4	2236.3	1925.2
115°	4190.7	4256.5	4519.9	4783.3	4519.9	4256.5	4190.7	3494.1	2565.3	2101.0	1838.9
117.5°	3893.8	3966.8	4258.9	4551.0	4258.9	3966.8	3893.8	3265.1	2426.9	2007.7	1784.9
120°	3693.8	3764.7	4048.5	4332.3	4048.5	3764.7	3693.8	3119.4	2353.4	1970.5	1766.7
122.5°	3493.7	3563.7	3843.7	4123.6	3843.7	3563.7	3493.7	2976.4	2286.7	1941.9	1757.2
125°	3229.0	3293.5	3551.4	3809.3	3551.4	3293.5	3229.0	2789.6	2203.7	1910.8	1749.3
127.5°	3016.6	3071.0	3288.6	3506.1	3288.6	3071.0	3016.6	2639.3	2136.2	1884.7	1744.8
130°	2882.4	2932.7	3133.7	3334.7	3133.7	2932.7	2882.4	2546.6	2098.7	1874.8	1747.5
132.5°	2768.1	2813.1	2993.1	3173.2	2993.1	2813.1	2768.1	2467.4	2066.5	1866.1	1749.4
135°	2606.6	2645.4	2800.6	2955.7	2800.6	2645.4	2606.6	2354.8	2019.1	1851.2	1747.7
137.5°	2487.3	2519.1	2646.1	2773.1	2646.1	2519.1	2487.3	2274.5	1990.7	1848.8	1758.4
140°	2391.7	2421.4	2540.1	2658.8	2540.1	2421.4	2391.7	2207.8	1962.6	1840.0	1760.2
142.5°	2324.6	2350.1	2452.3	2554.4	2452.3	2350.1	2324.6	2163.0	1947.7	1840.0	1766.6
145°	2224.0	2243.3	2320.6	2397.9	2320.6	2243.3	2224.0	2091.8	1915.6	1827.6	1766.6
147.5°	2139.4	2155.4	2219.5	2283.5	2219.5	2155.4	2139.4	2035.4	1896.9	1827.6	1778.8
150°	2091.0	2104.0	2155.9	2207.8	2155.9	2104.0	2091.0	2003.2	1886.1	1827.6	1785.0
152.5°	2052.5	2062.2	2101.5	2140.7	2101.5	2062.2	2052.5	1977.5	1877.6	1827.6	1789.2
155°	2006.5	2013.0	2039.0	2064.9	2039.0	2013.0	2006.5	1946.9	1867.3	1827.6	1798.3
157.5°	1966.8	1971.4	1989.5	2007.7	1989.5	1971.4	1966.8	1920.4	1858.5	1827.6	1807.4
160°	1946.9	1949.5	1960.0	1970.5	1960.0	1949.5	1946.9	1907.1	1854.1	1827.6	1811.5
162.5°	1928.3	1930.7	1940.6	1950.6	1940.6	1930.7	1928.3	1894.7	1850.0	1827.6	1816.0
165°	1899.7	1902.3	1912.8	1923.3	1912.8	1902.3	1899.7	1875.7	1843.6	1827.6	1822.3
167.5°	1887.2	1888.3	1892.8	1897.2	1892.8	1888.3	1887.2	1871.5	1850.5	1840.0	1835.6
170°	1887.2	1887.2	1887.2	1887.2	1887.2	1887.2	1887.2	1871.5	1850.5	1840.0	1839.7
172.5°	1877.3	1876.3	1872.5	1868.6	1872.5	1876.3	1877.3	1864.8	1848.3	1840.0	1840.0
175°	1863.6	1863.6	1863.6	1863.6	1863.6	1863.6	1863.6	1855.7	1845.3	1840.0	1842.5
177.5°	1861.1	1860.0	1855.5	1851.2	1855.5	1860.0	1861.1	1855.0	1846.7	1842.5	1844.4
180°	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2	1851.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2079.5	2089.5	2095.5	2103.5	2123.4
5°	1999.9	2037.7	2049.7	2079.5	2115.4
7.5°	1824.6	1940.1	1972.0	2043.7	2099.5
10°	1655.3	1770.8	1826.6	1995.9	2079.5
12.5°	1569.6	1637.3	1675.2	1912.2	2051.7
15°	1515.8	1563.6	1591.5	1800.7	2019.8
17.5°	1474.0	1507.8	1527.8	1691.1	1976.0
20°	1448.1	1464.0	1481.9	1611.4	1926.2
22.5°	1430.2	1420.2	1434.1	1555.7	1858.4
25°	1418.2	1380.4	1396.3	1511.8	1778.8
27.5°	1428.2	1344.5	1350.5	1472.0	1695.1
30°	1430.2	1300.7	1302.7	1430.2	1601.5
32.5°	1416.2	1254.9	1256.9	1378.4	1495.9
35°	1382.3	1201.1	1199.1	1318.6	1352.5
37.5°	1336.5	1143.4	1143.4	1252.9	1195.1
40°	1280.8	1085.6	1091.6	1167.3	1055.8
42.5°	1213.0	1023.9	1031.9	1053.8	952.2
45°	1139.4	964.1	970.1	890.4	872.5
47.5°	1057.8	902.4	904.4	739.0	846.6
50°	960.1	838.6	830.7	633.5	844.6
52.5°	874.5	768.9	745.0	573.7	766.9
55°	790.8	695.2	643.4	527.9	711.1
57.5°	717.1	599.6	549.8	474.1	699.2
60°	649.4	506.0	468.1	416.3	641.4
62.5°	593.6	436.2	428.3	376.5	581.7
65°	533.9	388.4	386.4	342.6	494.0
67.5°	476.1	356.6	354.6	310.8	376.5
70°	414.3	322.7	318.7	276.9	278.9
72.5°	350.6	284.9	280.9	249.0	231.1
75°	286.8	241.0	239.0	217.1	187.2
77.5°	225.1	191.2	195.2	175.3	137.4
80°	161.4	139.4	143.4	125.5	103.6
82.5°	107.6	91.6	95.6	79.7	69.7
85°	59.8	51.8	53.8	41.8	31.9
87.5°	27.9	23.9	23.9	15.9	10.0
90°	54.7	34.8	32.3	22.4	12.4
92.5°	337.1	239.8	218.7	134.2	49.7
95°	829.5	467.1	428.5	273.9	119.3
97.5°	1117.4	513.1	479.1	342.6	206.3
100°	1222.2	551.7	520.7	397.0	273.3
102.5°	1270.2	590.1	561.2	445.9	330.5
105°	1305.8	647.3	622.9	525.1	427.4
107.5°	1312.4	731.8	709.0	617.9	526.8
110°	1302.5	779.0	758.5	676.2	593.9



TEST NUMBER: P935992

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1302.9	836.1	816.5	738.1	659.8
115°	1314.9	921.9	903.8	831.5	759.2
117.5°	1339.3	1005.2	988.7	923.0	857.3
120°	1359.2	1053.6	1038.1	976.3	914.4
122.5°	1387.8	1110.7	1095.1	1032.8	970.3
125°	1426.3	1184.0	1169.8	1112.9	1056.1
127.5°	1464.8	1254.9	1240.5	1183.0	1125.7
130°	1493.0	1302.1	1286.6	1224.8	1162.9
132.5°	1515.8	1340.6	1325.2	1263.3	1201.5
135°	1540.6	1385.3	1371.3	1314.9	1258.5
137.5°	1577.9	1442.4	1428.5	1372.8	1317.0
140°	1600.7	1481.0	1468.1	1416.8	1365.4
142.5°	1619.7	1509.5	1497.7	1450.2	1402.7
145°	1644.6	1553.1	1542.7	1501.3	1459.8
147.5°	1681.0	1607.7	1597.7	1557.3	1517.0
150°	1700.0	1636.2	1627.2	1590.7	1554.3
152.5°	1712.5	1655.0	1648.1	1620.4	1592.8
155°	1739.8	1695.9	1690.8	1670.4	1650.0
157.5°	1767.1	1736.9	1731.9	1712.1	1692.2
160°	1779.6	1755.5	1751.7	1736.2	1720.8
162.5°	1792.8	1775.5	1772.6	1760.9	1749.4
165°	1811.8	1804.0	1801.4	1790.8	1780.4
167.5°	1826.8	1820.2	1818.9	1813.9	1808.9
170°	1839.2	1838.8	1837.5	1832.5	1827.6
172.5°	1840.0	1840.0	1839.7	1838.6	1837.5
175°	1847.5	1851.2	1851.2	1851.2	1851.2
177.5°	1848.3	1851.2	1851.2	1851.2	1851.2
180°	1851.2	1851.2	1851.2	1851.2	1851.2



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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	10.69	11.40	11.79	12.50	14.02	13.52	14.24	14.63	15.34	16.85
	3H	11.15	11.79	12.26	12.90	14.43	14.86	15.50	15.97	16.61	18.14
	4H	11.34	11.94	12.46	13.05	14.59	15.30	15.91	16.42	17.02	18.55
	6H	11.45	12.01	12.58	13.12	14.67	15.58	16.14	16.71	17.25	18.80
	8H	11.44	11.98	12.58	13.10	14.65	15.65	16.18	16.78	17.31	18.85
	12H	11.41	11.91	12.55	13.04	14.60	15.68	16.19	16.82	17.31	18.88
4H	2H	11.70	12.31	12.83	13.42	14.96	13.91	14.52	15.04	15.63	17.17
	3H	12.72	13.22	13.85	14.36	15.91	15.41	15.92	16.54	17.05	18.60
	4H	12.99	13.45	14.12	14.57	16.15	15.93	16.40	17.07	17.52	19.09
	6H	13.10	13.50	14.25	14.65	16.21	16.29	16.69	17.44	17.84	19.40
	8H	13.10	13.48	14.25	14.62	16.19	16.40	16.77	17.54	17.91	19.48
	12H	13.06	13.40	14.23	14.55	16.14	16.45	16.78	17.61	17.93	19.52
8H	4H	13.43	13.80	14.57	14.94	16.52	16.04	16.42	17.19	17.56	19.13
	6H	13.68	13.99	14.85	15.17	16.75	16.48	16.78	17.64	17.96	19.54
	8H	13.72	13.99	14.90	15.15	16.75	16.63	16.90	17.80	18.06	19.65
	12H	13.70	13.94	14.88	15.09	16.72	16.72	16.96	17.90	18.11	19.74
12H	4H	13.43	13.77	14.59	14.92	16.50	16.00	16.34	17.16	17.49	19.07
	6H	13.74	14.01	14.91	15.17	16.77	16.47	16.74	17.64	17.90	19.50
	8H	13.80	14.04	14.98	15.20	16.83	16.63	16.86	17.80	18.02	19.65