

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: P935169

Luminaire Tested: SQ4-FA-100U-075D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935169
REPORT IS A COMBINATION OF REPORTS P933741 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-075D-935-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

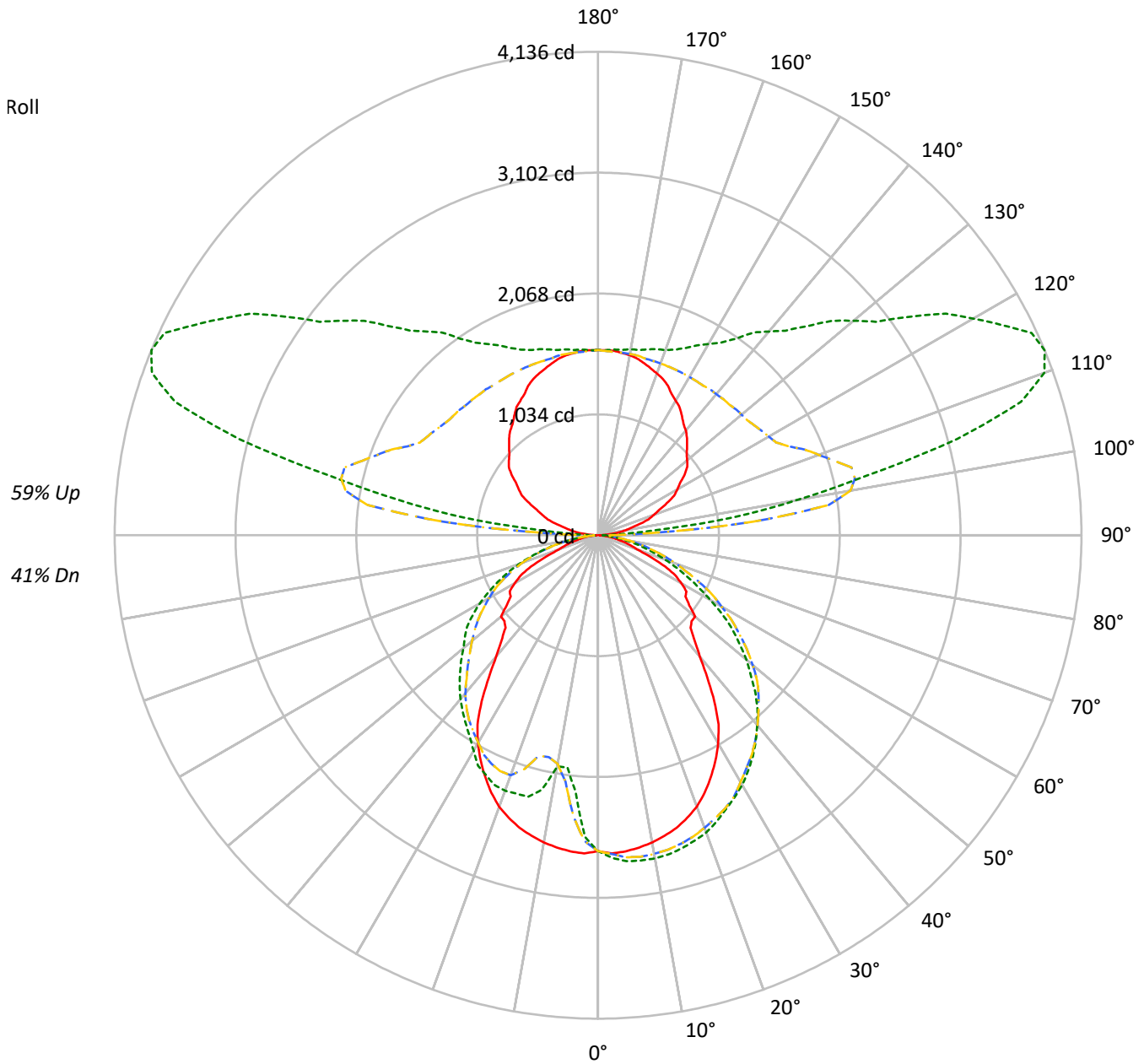
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17280.2 lumens
Efficiency: N/A
Efficacy: 117.1 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: General Diffuse

Input Watts (W): 147.6
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				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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	40	40	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	34	34	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	29	29	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	25	25	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	22	22	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	19	19	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	15	15	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	13	13	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	12	12	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8357	8357	8357	8357
5°	8422	8436	8422	6633
10°	8369	8310	8369	5941
15°	8281	8130	8281	6788
20°	8111	7916	8111	6802
25°	7760	7605	7760	6658
30°	7304	7347	7304	6342
35°	6515	7021	6515	5994
40°	5432	6636	5432	5731
45°	4857	6186	4857	5429
50°	5163	5649	5163	5126
55°	4863	5070	4863	4950
60°	5019	4306	5019	4534
65°	4558	3560	4558	3979
70°	3163	2837	3163	3335
75°	2785	2097	2785	2511
80°	2260	1386	2260	1510
85°	1325	734	1325	624

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7439 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.9	1.4
10°-20°	692.4	4.0
20°-30°	1070.4	6.2
30°-40°	1277.8	7.4
40°-50°	1285.3	7.4
50°-60°	1118.4	6.5
60°-70°	792.9	4.6
70°-80°	419.5	2.4
80°-90°	110.5	0.6
90°-100°	772.2	4.5
100°-110°	2030.1	11.7
110°-120°	2105.0	12.2
120°-130°	1688.5	9.8
130°-140°	1324.8	7.7
140°-150°	1016.9	5.9
150°-160°	732.3	4.2
160°-170°	448.1	2.6
170°-180°	151.4	0.9
0°-30°	2006.7	11.6
0°-40°	3284.5	19.0
0°-60°	5688.2	32.9
0°-90°	7011.1	40.6
90°-120°	4907.2	28.4
90°-150°	8937.3	51.7
90°-180°	10269.0	59.4
0°-180°	17280.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2702	2702	2702	2702	2702	
5°	2715	2799	2715	2201	2715	258
15°	2592	2773	2592	2316	2592	729
25°	2283	2587	2283	2265	2283	1048
35°	1736	2308	1736	1971	1736	1074
45°	1120	1902	1120	1669	1120	897
55°	912	1403	912	1370	912	839
65°	634	846	634	946	634	606
75°	240	401	240	480	240	253
85°	41	102	41	87	41	55
90°	11	40	11	40	11	10
95°	102	467	102	467	102	113
105°	366	3179	366	3179	366	388
115°	650	4093	650	4093	650	642
125°	904	3260	904	3260	904	802
135°	1077	2529	1077	2529	1077	833
145°	1249	2052	1249	2052	1249	783
155°	1412	1767	1412	1767	1412	649
165°	1524	1646	1524	1646	1524	430
175°	1584	1595	1584	1595	1584	150
180°	1584	1584	1584	1584	1584	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2724.8	2724.8	2740.1	2745.2	2745.2	2737.6	2729.9	2737.6	2760.6	2768.2	2765.7
5°	2714.6	2735.0	2763.1	2768.2	2773.3	2770.8	2765.7	2770.8	2796.3	2801.5	2804.0
7.5°	2694.1	2732.4	2768.2	2775.9	2783.6	2775.9	2773.3	2778.5	2804.0	2809.1	2809.1
10°	2668.5	2722.2	2763.1	2768.2	2775.9	2768.2	2768.2	2778.5	2804.0	2809.1	2811.7
12.5°	2632.8	2706.9	2745.2	2750.3	2760.6	2758.0	2755.5	2765.7	2791.2	2796.3	2796.3
15°	2591.9	2678.8	2714.6	2719.7	2737.6	2732.4	2732.4	2742.7	2770.8	2778.5	2775.9
17.5°	2535.6	2643.0	2683.9	2691.6	2704.3	2701.8	2704.3	2714.6	2740.1	2745.2	2747.8
20°	2471.7	2594.4	2643.0	2650.7	2663.4	2663.4	2663.4	2676.2	2701.8	2712.0	2712.0
22.5°	2384.8	2543.3	2594.4	2599.5	2614.9	2614.9	2620.0	2637.9	2660.9	2663.4	2663.4
25°	2282.6	2487.1	2530.5	2545.9	2561.2	2568.9	2576.5	2586.8	2594.4	2591.9	2594.4
27.5°	2175.2	2415.5	2471.7	2482.0	2502.4	2510.1	2520.3	2522.9	2525.4	2533.1	2528.0
30°	2055.0	2315.8	2400.2	2410.4	2443.6	2448.7	2438.5	2443.6	2456.4	2461.5	2466.6
32.5°	1919.6	2167.5	2326.0	2349.0	2379.7	2364.4	2361.8	2369.5	2389.9	2389.9	2395.1
35°	1735.5	2052.5	2257.0	2277.5	2300.5	2282.6	2292.8	2295.4	2308.2	2315.8	2313.3
37.5°	1533.6	1952.8	2185.4	2200.7	2218.6	2195.6	2210.9	2218.6	2228.8	2223.7	2223.7
40°	1354.7	1796.9	2101.0	2111.3	2126.6	2108.7	2124.0	2129.1	2134.3	2129.1	2126.6
42.5°	1221.8	1625.6	2011.6	2024.4	2014.1	2026.9	2032.0	2042.2	2034.6	2024.4	2024.4
45°	1119.5	1579.6	1914.4	1929.8	1914.4	1934.9	1942.6	1942.6	1919.6	1914.4	1911.9
47.5°	1086.3	1487.6	1817.3	1817.3	1809.6	1835.2	1848.0	1830.1	1807.1	1799.4	1799.4
50°	1083.7	1385.4	1684.4	1674.2	1710.0	1740.6	1727.9	1710.0	1692.1	1664.0	1664.0
52.5°	984.1	1260.1	1513.2	1551.5	1607.7	1625.6	1605.2	1587.3	1556.6	1543.8	1533.6
55°	912.5	1129.8	1357.2	1433.9	1492.7	1515.7	1477.4	1459.5	1413.5	1405.8	1400.7
57.5°	897.2	940.6	1214.1	1311.2	1382.8	1380.2	1357.2	1324.0	1285.7	1278.0	1275.4
60°	823.0	679.9	1060.7	1175.8	1249.9	1242.2	1221.8	1191.1	1155.3	1150.2	1145.1
62.5°	746.4	493.3	886.9	1017.3	1122.1	1119.5	1101.6	1055.6	1030.1	1017.3	1007.1
65°	633.9	414.1	631.3	846.0	996.8	1002.0	963.6	930.4	902.3	886.9	884.4
67.5°	483.1	337.4	426.9	705.5	876.7	871.6	823.0	807.7	771.9	764.2	748.9
70°	357.8	224.9	296.5	572.5	759.1	746.4	708.0	690.1	656.9	639.0	628.8
72.5°	296.5	181.5	217.3	444.7	639.0	623.7	590.4	570.0	541.9	526.5	516.3
75°	240.3	191.7	166.1	329.7	518.9	508.6	478.0	457.5	434.5	414.1	416.6
77.5°	176.4	178.9	132.9	242.8	411.5	396.2	378.3	352.7	342.5	322.1	322.1
80°	132.9	140.6	99.7	166.1	296.5	296.5	281.2	263.3	245.4	235.2	235.2
82.5°	89.5	89.5	74.1	104.8	201.9	194.3	184.0	178.9	168.7	163.6	163.6
85°	40.9	51.1	46.0	63.9	109.9	115.0	115.0	109.9	107.4	102.2	104.8
87.5°	12.8	23.0	28.1	35.8	56.2	58.8	61.3	61.3	61.3	63.9	63.9
90°	10.6	19.2	27.6	29.7	46.8	69.4	80.8	71.8	53.8	40.4	40.4
92.5°	42.5	114.8	187.1	205.2	288.5	399.5	455.1	398.8	286.4	202.0	194.0
95°	102.1	234.4	366.7	399.8	709.8	1123.3	1330.0	1186.8	900.5	685.7	661.3
97.5°	176.4	293.2	409.9	439.1	956.1	1645.5	1990.2	1899.7	1718.7	1583.0	1536.8
100°	233.9	339.7	445.5	472.0	1045.7	1810.8	2193.3	2199.9	2213.2	2223.0	2167.9
102.5°	282.8	381.5	480.3	505.0	1086.9	1862.8	2250.7	2366.0	2596.6	2769.5	2722.2
105°	365.8	449.3	533.0	553.9	1117.4	1868.7	2244.3	2502.8	3019.7	3407.4	3382.0
107.5°	450.8	528.8	606.7	626.2	1123.0	1785.5	2116.7	2477.3	3198.3	3739.1	3745.2
110°	508.2	578.6	649.0	666.6	1114.5	1711.8	2010.4	2413.5	3219.5	3824.1	3850.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	564.5	631.7	698.7	715.5	1114.9	1647.4	1913.7	2326.2	3151.2	3769.9	3810.6
115°	649.6	711.5	773.4	788.9	1125.2	1573.6	1797.8	2195.2	2989.9	3586.0	3642.3
117.5°	733.6	789.8	846.0	860.1	1146.1	1527.4	1718.1	2076.7	2794.0	3331.9	3394.4
120°	782.5	835.4	888.4	901.6	1163.2	1511.9	1686.2	2013.9	2669.2	3160.7	3221.5
122.5°	830.4	883.8	937.1	950.5	1187.6	1503.7	1661.7	1956.8	2547.0	2989.6	3049.5
125°	903.7	952.4	1001.0	1013.2	1220.5	1497.0	1635.2	1885.8	2387.1	2763.1	2818.2
127.5°	963.2	1012.3	1061.5	1073.8	1253.5	1493.0	1612.8	1828.1	2258.5	2581.3	2627.8
130°	995.1	1048.0	1101.0	1114.2	1277.6	1495.4	1604.3	1795.9	2179.2	2466.5	2509.6
132.5°	1028.1	1081.0	1133.9	1147.1	1297.0	1496.9	1596.8	1768.3	2111.4	2368.7	2407.2
135°	1077.0	1125.2	1173.4	1185.4	1318.3	1495.5	1584.1	1727.8	2015.0	2230.5	2263.7
137.5°	1126.9	1174.7	1222.4	1234.3	1350.2	1504.7	1582.0	1703.4	1946.3	2128.5	2155.6
140°	1168.4	1212.4	1256.3	1267.3	1369.7	1506.3	1574.5	1679.4	1889.2	2046.6	2072.0
142.5°	1200.3	1240.9	1281.6	1291.7	1385.9	1511.6	1574.5	1666.7	1851.0	1989.2	2011.0
145°	1249.2	1284.6	1320.1	1328.9	1407.2	1511.7	1563.9	1639.2	1790.0	1903.0	1919.6
147.5°	1298.1	1332.6	1367.1	1375.7	1438.4	1522.1	1563.9	1623.2	1741.8	1830.8	1844.5
150°	1330.0	1361.2	1392.3	1400.2	1454.8	1527.6	1563.9	1614.0	1714.1	1789.3	1800.4
152.5°	1362.9	1386.5	1410.2	1416.1	1465.4	1531.0	1563.9	1606.7	1692.2	1756.3	1764.7
155°	1411.8	1429.3	1446.9	1451.2	1488.8	1538.9	1563.9	1597.9	1665.9	1717.0	1722.5
157.5°	1448.0	1465.0	1482.1	1486.3	1512.2	1546.7	1563.9	1590.3	1643.3	1683.0	1686.9
160°	1472.4	1485.7	1498.9	1502.2	1522.8	1550.2	1563.9	1586.6	1631.9	1665.9	1668.1
162.5°	1496.9	1506.8	1516.7	1519.2	1534.1	1554.0	1563.9	1583.0	1621.3	1650.0	1652.1
165°	1523.5	1532.4	1541.4	1543.7	1550.4	1559.4	1563.9	1577.6	1605.0	1625.5	1627.7
167.5°	1547.9	1552.2	1556.4	1557.5	1563.2	1570.7	1574.5	1583.5	1601.5	1615.0	1615.9
170°	1563.9	1568.2	1572.5	1573.5	1573.8	1574.2	1574.5	1583.5	1601.5	1615.0	1615.0
172.5°	1572.4	1573.3	1574.2	1574.5	1574.5	1574.5	1574.5	1581.6	1595.8	1606.4	1605.6
175°	1584.1	1584.1	1584.1	1584.1	1580.9	1576.6	1574.5	1579.0	1588.0	1594.7	1594.7
177.5°	1584.1	1584.1	1584.1	1584.1	1581.7	1578.3	1576.6	1580.2	1587.3	1592.6	1591.6
180°	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2770.8	2763.1	2770.8	2765.7	2768.2	2760.6	2737.6	2729.9	2737.6	2745.2	2745.2
5°	2804.0	2798.9	2804.0	2804.0	2801.5	2796.3	2770.8	2765.7	2770.8	2773.3	2768.2
7.5°	2814.2	2806.6	2814.2	2809.1	2809.1	2804.0	2778.5	2773.3	2775.9	2783.6	2775.9
10°	2814.2	2806.6	2814.2	2811.7	2809.1	2804.0	2778.5	2768.2	2768.2	2775.9	2768.2
12.5°	2801.5	2796.3	2801.5	2796.3	2796.3	2791.2	2765.7	2755.5	2758.0	2760.6	2750.3
15°	2781.0	2773.3	2781.0	2775.9	2778.5	2770.8	2742.7	2732.4	2732.4	2737.6	2719.7
17.5°	2750.3	2740.1	2750.3	2747.8	2745.2	2740.1	2714.6	2704.3	2701.8	2704.3	2691.6
20°	2714.6	2706.9	2714.6	2712.0	2712.0	2701.8	2676.2	2663.4	2663.4	2663.4	2650.7
22.5°	2658.3	2650.7	2658.3	2663.4	2663.4	2660.9	2637.9	2620.0	2614.9	2614.9	2599.5
25°	2594.4	2586.8	2594.4	2594.4	2591.9	2594.4	2586.8	2576.5	2568.9	2561.2	2545.9
27.5°	2533.1	2528.0	2533.1	2528.0	2533.1	2525.4	2522.9	2520.3	2510.1	2502.4	2482.0
30°	2471.7	2466.6	2471.7	2466.6	2461.5	2456.4	2443.6	2438.5	2448.7	2443.6	2410.4
32.5°	2395.1	2389.9	2395.1	2395.1	2389.9	2389.9	2369.5	2361.8	2364.4	2379.7	2349.0
35°	2315.8	2308.2	2315.8	2313.3	2315.8	2308.2	2295.4	2292.8	2282.6	2300.5	2277.5
37.5°	2223.7	2216.1	2223.7	2223.7	2223.7	2228.8	2218.6	2210.9	2195.6	2218.6	2200.7
40°	2129.1	2118.9	2129.1	2126.6	2129.1	2134.3	2129.1	2124.0	2108.7	2126.6	2111.3
42.5°	2021.8	2019.2	2021.8	2024.4	2024.4	2034.6	2042.2	2032.0	2026.9	2014.1	2024.4
45°	1906.8	1901.7	1906.8	1911.9	1914.4	1919.6	1942.6	1942.6	1934.9	1914.4	1929.8
47.5°	1784.1	1771.3	1784.1	1799.4	1799.4	1807.1	1830.1	1848.0	1835.2	1809.6	1817.3
50°	1653.7	1656.3	1653.7	1664.0	1664.0	1692.1	1710.0	1727.9	1740.6	1710.0	1674.2
52.5°	1525.9	1523.4	1525.9	1533.6	1543.8	1556.6	1587.3	1605.2	1625.6	1607.7	1551.5
55°	1398.1	1403.2	1398.1	1400.7	1405.8	1413.5	1459.5	1477.4	1515.7	1492.7	1433.9
57.5°	1270.3	1262.7	1270.3	1275.4	1278.0	1285.7	1324.0	1357.2	1380.2	1382.8	1311.2
60°	1122.1	1111.9	1122.1	1145.1	1150.2	1155.3	1191.1	1221.8	1242.2	1249.9	1175.8
62.5°	991.7	973.8	991.7	1007.1	1017.3	1030.1	1055.6	1101.6	1119.5	1122.1	1017.3
65°	853.7	846.0	853.7	884.4	886.9	902.3	930.4	963.6	1002.0	996.8	846.0
67.5°	728.5	728.5	728.5	748.9	764.2	771.9	807.7	823.0	871.6	876.7	705.5
70°	613.4	610.9	613.4	628.8	639.0	656.9	690.1	708.0	746.4	759.1	572.5
72.5°	503.5	501.0	503.5	516.3	526.5	541.9	570.0	590.4	623.7	639.0	444.7
75°	406.4	401.3	406.4	416.6	414.1	434.5	457.5	478.0	508.6	518.9	329.7
77.5°	311.8	311.8	311.8	322.1	322.1	342.5	352.7	378.3	396.2	411.5	242.8
80°	232.6	230.0	232.6	235.2	235.2	245.4	263.3	281.2	296.5	296.5	166.1
82.5°	163.6	158.5	163.6	163.6	163.6	168.7	178.9	184.0	194.3	201.9	104.8
85°	102.2	102.2	102.2	104.8	102.2	107.4	109.9	115.0	115.0	109.9	63.9
87.5°	66.5	63.9	66.5	63.9	63.9	61.3	61.3	61.3	58.8	56.2	35.8
90°	40.4	40.4	40.4	40.4	40.4	53.8	71.8	80.8	69.4	46.8	29.7
92.5°	161.8	129.7	161.8	194.0	202.0	286.4	398.8	455.1	399.5	288.5	205.2
95°	564.0	466.7	564.0	661.3	685.7	900.5	1186.8	1330.0	1123.3	709.8	399.8
97.5°	1351.5	1166.3	1351.5	1536.8	1583.0	1718.7	1899.7	1990.2	1645.5	956.1	439.1
100°	1947.2	1726.6	1947.2	2167.9	2223.0	2213.2	2199.9	2193.3	1810.8	1045.7	472.0
102.5°	2533.3	2344.3	2533.3	2722.2	2769.5	2596.6	2366.0	2250.7	1862.8	1086.9	505.0
105°	3280.4	3178.8	3280.4	3382.0	3407.4	3019.7	2502.8	2244.3	1868.7	1117.4	553.9
107.5°	3769.8	3794.4	3769.8	3745.2	3739.1	3198.3	2477.3	2116.7	1785.5	1123.0	626.2
110°	3956.4	4062.3	3956.4	3850.6	3824.1	3219.5	2413.5	2010.4	1711.8	1114.5	666.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3973.1	4135.7	3973.1	3810.6	3769.9	3151.2	2326.2	1913.7	1647.4	1114.9	715.5
115°	3867.7	4093.1	3867.7	3642.3	3586.0	2989.9	2195.2	1797.8	1573.6	1125.2	788.9
117.5°	3644.3	3894.3	3644.3	3394.4	3331.9	2794.0	2076.7	1718.1	1527.4	1146.1	860.1
120°	3464.3	3707.2	3464.3	3221.5	3160.7	2669.2	2013.9	1686.2	1511.9	1163.2	901.6
122.5°	3289.0	3528.6	3289.0	3049.5	2989.6	2547.0	1956.8	1661.7	1503.7	1187.6	950.5
125°	3038.9	3259.6	3038.9	2818.2	2763.1	2387.1	1885.8	1635.2	1497.0	1220.5	1013.2
127.5°	2814.1	3000.2	2814.1	2627.8	2581.3	2258.5	1828.1	1612.8	1493.0	1253.5	1073.8
130°	2681.5	2853.5	2681.5	2509.6	2466.5	2179.2	1795.9	1604.3	1495.4	1277.6	1114.2
132.5°	2561.3	2715.3	2561.3	2407.2	2368.7	2111.4	1768.3	1596.8	1496.9	1297.0	1147.1
135°	2396.4	2529.2	2396.4	2263.7	2230.5	2015.0	1727.8	1584.1	1495.5	1318.3	1185.4
137.5°	2264.3	2373.0	2264.3	2155.6	2128.5	1946.3	1703.4	1582.0	1504.7	1350.2	1234.3
140°	2173.6	2275.2	2173.6	2072.0	2046.6	1889.2	1679.4	1574.5	1506.3	1369.7	1267.3
142.5°	2098.4	2185.8	2098.4	2011.0	1989.2	1851.0	1666.7	1574.5	1511.6	1385.9	1291.7
145°	1985.8	2051.9	1985.8	1919.6	1903.0	1790.0	1639.2	1563.9	1511.7	1407.2	1328.9
147.5°	1899.3	1954.1	1899.3	1844.5	1830.8	1741.8	1623.2	1563.9	1522.1	1438.4	1375.7
150°	1844.8	1889.2	1844.8	1800.4	1789.3	1714.1	1614.0	1563.9	1527.6	1454.8	1400.2
152.5°	1798.2	1831.8	1798.2	1764.7	1756.3	1692.2	1606.7	1563.9	1531.0	1465.4	1416.1
155°	1744.7	1767.0	1744.7	1722.5	1717.0	1665.9	1597.9	1563.9	1538.9	1488.8	1451.2
157.5°	1702.5	1718.1	1702.5	1686.9	1683.0	1643.3	1590.3	1563.9	1546.7	1512.2	1486.3
160°	1677.2	1686.2	1677.2	1668.1	1665.9	1631.9	1586.6	1563.9	1550.2	1522.8	1502.2
162.5°	1660.6	1669.2	1660.6	1652.1	1650.0	1621.3	1583.0	1563.9	1554.0	1534.1	1519.2
165°	1636.8	1645.7	1636.8	1627.7	1625.5	1605.0	1577.6	1563.9	1559.4	1550.4	1543.7
167.5°	1619.7	1623.4	1619.7	1615.9	1615.0	1601.5	1583.5	1574.5	1570.7	1563.2	1557.5
170°	1615.0	1615.0	1615.0	1615.0	1615.0	1601.5	1583.5	1574.5	1574.2	1573.8	1573.5
172.5°	1602.3	1598.9	1602.3	1605.6	1606.4	1595.8	1581.6	1574.5	1574.5	1574.5	1574.5
175°	1594.7	1594.7	1594.7	1594.7	1594.7	1588.0	1579.0	1574.5	1576.6	1580.9	1584.1
177.5°	1587.9	1584.1	1587.9	1591.6	1592.6	1587.3	1580.2	1576.6	1578.3	1581.7	1584.1
180°	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2740.1	2724.8	2724.8	2699.2	2689.0	2681.3	2668.5	2630.2	2620.0	2609.8	2625.1
5°	2763.1	2735.0	2714.6	2668.5	2630.2	2614.9	2566.3	2474.3	2412.9	2366.9	2341.4
7.5°	2768.2	2732.4	2694.1	2622.5	2530.5	2489.6	2341.4	2172.6	2126.6	2085.7	2060.1
10°	2763.1	2722.2	2668.5	2561.2	2343.9	2272.4	2124.0	2014.1	1986.0	1978.3	1986.0
12.5°	2745.2	2706.9	2632.8	2453.8	2149.6	2101.0	2014.1	1950.2	1945.1	1957.9	2026.9
15°	2714.6	2678.8	2591.9	2310.7	2042.2	2006.5	1945.1	1922.1	1950.2	2039.7	2246.7
17.5°	2683.9	2643.0	2535.6	2170.0	1960.5	1934.9	1891.4	1937.4	2095.9	2216.1	2285.1
20°	2643.0	2594.4	2471.7	2067.8	1901.7	1878.7	1858.2	2065.2	2185.4	2228.8	2267.3
22.5°	2594.4	2543.3	2384.8	1996.2	1840.3	1822.4	1835.2	2136.8	2185.4	2216.1	2249.3
25°	2530.5	2487.1	2282.6	1940.0	1791.8	1771.3	1819.9	2129.1	2157.3	2164.9	2231.4
27.5°	2471.7	2415.5	2175.2	1888.9	1733.0	1725.3	1832.7	2095.9	2116.4	2124.0	2195.6
30°	2400.2	2315.8	2055.0	1835.2	1671.6	1669.1	1835.2	2055.0	2049.9	2070.4	2141.9
32.5°	2326.0	2167.5	1919.6	1768.8	1612.8	1610.3	1817.3	1993.7	1988.6	2016.7	2070.4
35°	2257.0	2052.5	1735.5	1692.1	1538.7	1541.3	1773.9	1922.1	1924.7	1950.2	1983.5
37.5°	2185.4	1952.8	1533.6	1607.7	1467.1	1467.1	1715.1	1855.7	1850.5	1858.2	1904.2
40°	2101.0	1796.9	1354.7	1497.8	1400.7	1393.0	1643.5	1784.1	1766.2	1763.6	1827.5
42.5°	2011.6	1625.6	1221.8	1352.1	1324.0	1313.8	1556.6	1697.2	1664.0	1671.6	1753.4
45°	1914.4	1579.6	1119.5	1142.5	1244.8	1237.1	1462.0	1597.5	1574.5	1594.9	1679.3
47.5°	1817.3	1487.6	1086.3	948.3	1160.4	1157.9	1357.2	1500.4	1487.6	1508.0	1597.5
50°	1684.4	1385.4	1083.7	812.8	1065.9	1076.1	1232.0	1405.8	1405.8	1423.7	1518.3
52.5°	1513.2	1260.1	984.1	736.1	955.9	986.6	1122.1	1324.0	1329.1	1347.0	1431.4
55°	1357.2	1129.8	912.5	677.3	825.6	892.0	1014.7	1239.7	1249.9	1267.8	1344.5
57.5°	1214.1	940.6	897.2	608.3	705.5	769.4	920.2	1157.9	1163.0	1178.3	1252.4
60°	1060.7	679.9	823.0	534.2	600.7	649.2	833.3	1060.7	1078.6	1088.9	1152.8
62.5°	886.9	493.3	746.4	483.1	549.5	559.8	761.7	968.7	991.7	999.4	1037.7
65°	631.3	414.1	633.9	439.6	495.9	498.4	685.0	874.2	894.6	907.4	935.5
67.5°	426.9	337.4	483.1	398.7	455.0	457.5	610.9	764.2	792.4	802.6	820.5
70°	296.5	224.9	357.8	355.3	409.0	414.1	531.6	664.6	690.1	697.8	708.0
72.5°	217.3	181.5	296.5	319.5	360.4	365.5	449.9	552.1	577.7	585.3	590.4
75°	166.1	191.7	240.3	278.6	306.7	309.3	368.1	449.9	467.7	472.9	475.4
77.5°	132.9	178.9	176.4	224.9	250.5	245.4	288.8	347.6	363.0	363.0	363.0
80°	99.7	140.6	132.9	161.0	184.0	178.9	207.0	247.9	253.0	258.2	255.6
82.5°	74.1	89.5	89.5	102.2	122.7	117.6	138.0	161.0	161.0	161.0	166.1
85°	46.0	51.1	40.9	53.7	69.0	66.5	76.7	86.9	89.5	89.5	84.3
87.5°	28.1	23.0	12.8	20.4	30.7	30.7	35.8	38.3	35.8	35.8	35.8
90°	27.6	19.2	10.6	19.2	27.6	29.7	46.8	69.4	80.8	71.8	53.8
92.5°	187.1	114.8	42.5	114.8	187.1	205.2	288.5	399.5	455.1	398.8	286.4
95°	366.7	234.4	102.1	234.4	366.7	399.8	709.8	1123.3	1330.0	1186.8	900.5
97.5°	409.9	293.2	176.4	293.2	409.9	439.1	956.1	1645.5	1990.2	1899.7	1718.7
100°	445.5	339.7	233.9	339.7	445.5	472.0	1045.7	1810.8	2193.3	2199.9	2213.2
102.5°	480.3	381.5	282.8	381.5	480.3	505.0	1086.9	1862.8	2250.7	2366.0	2596.6
105°	533.0	449.3	365.8	449.3	533.0	553.9	1117.4	1868.7	2244.3	2502.8	3019.7
107.5°	606.7	528.8	450.8	528.8	606.7	626.2	1123.0	1785.5	2116.7	2477.3	3198.3
110°	649.0	578.6	508.2	578.6	649.0	666.6	1114.5	1711.8	2010.4	2413.5	3219.5



TEST NUMBER: P935169

CATALOG NUMBER: SQ4-FA-100U-075D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	698.7	631.7	564.5	631.7	698.7	715.5	1114.9	1647.4	1913.7	2326.2	3151.2
115°	773.4	711.5	649.6	711.5	773.4	788.9	1125.2	1573.6	1797.8	2195.2	2989.9
117.5°	846.0	789.8	733.6	789.8	846.0	860.1	1146.1	1527.4	1718.1	2076.7	2794.0
120°	888.4	835.4	782.5	835.4	888.4	901.6	1163.2	1511.9	1686.2	2013.9	2669.2
122.5°	937.1	883.8	830.4	883.8	937.1	950.5	1187.6	1503.7	1661.7	1956.8	2547.0
125°	1001.0	952.4	903.7	952.4	1001.0	1013.2	1220.5	1497.0	1635.2	1885.8	2387.1
127.5°	1061.5	1012.3	963.2	1012.3	1061.5	1073.8	1253.5	1493.0	1612.8	1828.1	2258.5
130°	1101.0	1048.0	995.1	1048.0	1101.0	1114.2	1277.6	1495.4	1604.3	1795.9	2179.2
132.5°	1133.9	1081.0	1028.1	1081.0	1133.9	1147.1	1297.0	1496.9	1596.8	1768.3	2111.4
135°	1173.4	1125.2	1077.0	1125.2	1173.4	1185.4	1318.3	1495.5	1584.1	1727.8	2015.0
137.5°	1222.4	1174.7	1126.9	1174.7	1222.4	1234.3	1350.2	1504.7	1582.0	1703.4	1946.3
140°	1256.3	1212.4	1168.4	1212.4	1256.3	1267.3	1369.7	1506.3	1574.5	1679.4	1889.2
142.5°	1281.6	1240.9	1200.3	1240.9	1281.6	1291.7	1385.9	1511.6	1574.5	1666.7	1851.0
145°	1320.1	1284.6	1249.2	1284.6	1320.1	1328.9	1407.2	1511.7	1563.9	1639.2	1790.0
147.5°	1367.1	1332.6	1298.1	1332.6	1367.1	1375.7	1438.4	1522.1	1563.9	1623.2	1741.8
150°	1392.3	1361.2	1330.0	1361.2	1392.3	1400.2	1454.8	1527.6	1563.9	1614.0	1714.1
152.5°	1410.2	1386.5	1362.9	1386.5	1410.2	1416.1	1465.4	1531.0	1563.9	1606.7	1692.2
155°	1446.9	1429.3	1411.8	1429.3	1446.9	1451.2	1488.8	1538.9	1563.9	1597.9	1665.9
157.5°	1482.1	1465.0	1448.0	1465.0	1482.1	1486.3	1512.2	1546.7	1563.9	1590.3	1643.3
160°	1498.9	1485.7	1472.4	1485.7	1498.9	1502.2	1522.8	1550.2	1563.9	1586.6	1631.9
162.5°	1516.7	1506.8	1496.9	1506.8	1516.7	1519.2	1534.1	1554.0	1563.9	1583.0	1621.3
165°	1541.4	1532.4	1523.5	1532.4	1541.4	1543.7	1550.4	1559.4	1563.9	1577.6	1605.0
167.5°	1556.4	1552.2	1547.9	1552.2	1556.4	1557.5	1563.2	1570.7	1574.5	1583.5	1601.5
170°	1572.5	1568.2	1563.9	1568.2	1572.5	1573.5	1573.8	1574.2	1574.5	1583.5	1601.5
172.5°	1574.2	1573.3	1572.4	1573.3	1574.2	1574.5	1574.5	1574.5	1574.5	1581.6	1595.8
175°	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1580.9	1576.6	1574.5	1579.0	1588.0
177.5°	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1581.7	1578.3	1576.6	1580.2	1587.3
180°	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1



TEST NUMBER: P935169

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2607.2	2599.5	2609.8	2581.6	2609.8	2599.5	2607.2	2625.1	2609.8	2620.0	2630.2
5°	2287.7	2274.9	2233.9	2200.7	2233.9	2274.9	2287.7	2341.4	2366.9	2412.9	2474.3
7.5°	2044.8	2034.6	2024.4	2003.9	2024.4	2034.6	2044.8	2060.1	2085.7	2126.6	2172.6
10°	1991.1	1993.7	2009.0	2006.5	2009.0	1993.7	1991.1	1986.0	1978.3	1986.0	2014.1
12.5°	2129.1	2152.2	2236.5	2231.4	2236.5	2152.2	2129.1	2026.9	1957.9	1945.1	1950.2
15°	2287.7	2295.4	2313.3	2315.8	2313.3	2295.4	2287.7	2246.7	2039.7	1950.2	1922.1
17.5°	2303.0	2305.6	2318.4	2318.4	2318.4	2305.6	2303.0	2285.1	2216.1	2095.9	1937.4
20°	2290.3	2295.4	2320.9	2326.0	2320.9	2295.4	2290.3	2267.3	2228.8	2185.4	2065.2
22.5°	2285.1	2295.4	2315.8	2313.3	2315.8	2295.4	2285.1	2249.3	2216.1	2185.4	2136.8
25°	2259.6	2259.6	2262.1	2264.7	2262.1	2259.6	2259.6	2231.4	2164.9	2157.3	2129.1
27.5°	2205.8	2210.9	2226.3	2223.7	2226.3	2210.9	2205.8	2195.6	2124.0	2116.4	2095.9
30°	2157.3	2152.2	2139.4	2129.1	2139.4	2152.2	2157.3	2141.9	2070.4	2049.9	2055.0
32.5°	2075.5	2062.7	2049.9	2042.2	2049.9	2062.7	2075.5	2070.4	2016.7	1988.6	1993.7
35°	1978.3	1980.9	1978.3	1970.7	1978.3	1980.9	1978.3	1983.5	1950.2	1924.7	1922.1
37.5°	1909.3	1914.4	1911.9	1901.7	1911.9	1914.4	1909.3	1904.2	1858.2	1850.5	1855.7
40°	1837.8	1840.3	1837.8	1830.1	1837.8	1840.3	1837.8	1827.5	1763.6	1766.2	1784.1
42.5°	1768.8	1766.2	1758.5	1753.4	1758.5	1766.2	1768.8	1753.4	1671.6	1664.0	1697.2
45°	1689.5	1692.1	1676.7	1669.1	1676.7	1692.1	1689.5	1679.3	1594.9	1574.5	1597.5
47.5°	1610.3	1610.3	1597.5	1589.8	1597.5	1610.3	1610.3	1597.5	1508.0	1487.6	1500.4
50°	1525.9	1523.4	1505.5	1502.9	1505.5	1523.4	1525.9	1518.3	1423.7	1405.8	1405.8
52.5°	1428.8	1428.8	1431.4	1436.5	1431.4	1428.8	1428.8	1431.4	1347.0	1329.1	1324.0
55°	1344.5	1347.0	1364.9	1370.0	1364.9	1347.0	1344.5	1344.5	1267.8	1249.9	1239.7
57.5°	1257.6	1257.6	1270.3	1270.3	1270.3	1257.6	1257.6	1252.4	1178.3	1163.0	1157.9
60°	1157.9	1163.0	1173.2	1170.6	1173.2	1163.0	1157.9	1152.8	1088.9	1078.6	1060.7
62.5°	1053.1	1058.2	1060.7	1055.6	1060.7	1058.2	1053.1	1037.7	999.4	991.7	968.7
65°	943.2	948.3	950.8	945.7	950.8	948.3	943.2	935.5	907.4	894.6	874.2
67.5°	830.7	828.1	825.6	835.8	825.6	828.1	830.7	820.5	802.6	792.4	764.2
70°	715.7	715.7	713.1	718.2	713.1	715.7	715.7	708.0	697.8	690.1	664.6
72.5°	593.0	590.4	600.7	593.0	600.7	590.4	593.0	590.4	585.3	577.7	552.1
75°	472.9	478.0	472.9	480.5	472.9	478.0	472.9	475.4	472.9	467.7	449.9
77.5°	360.4	365.5	360.4	360.4	360.4	365.5	360.4	363.0	363.0	363.0	347.6
80°	255.6	253.0	253.0	250.5	253.0	253.0	255.6	255.6	258.2	253.0	247.9
82.5°	163.6	161.0	161.0	166.1	161.0	161.0	163.6	166.1	161.0	161.0	161.0
85°	89.5	92.0	86.9	86.9	86.9	92.0	89.5	84.3	89.5	89.5	86.9
87.5°	33.2	30.7	30.7	30.7	30.7	30.7	33.2	35.8	35.8	35.8	38.3
90°	40.4	40.4	40.4	40.4	40.4	40.4	40.4	53.8	71.8	80.8	69.4
92.5°	202.0	194.0	161.8	129.7	161.8	194.0	202.0	286.4	398.8	455.1	399.5
95°	685.7	661.3	564.0	466.7	564.0	661.3	685.7	900.5	1186.8	1330.0	1123.3
97.5°	1583.0	1536.8	1351.5	1166.3	1351.5	1536.8	1583.0	1718.7	1899.7	1990.2	1645.5
100°	2223.0	2167.9	1947.2	1726.6	1947.2	2167.9	2223.0	2213.2	2199.9	2193.3	1810.8
102.5°	2769.5	2722.2	2533.3	2344.3	2533.3	2722.2	2769.5	2596.6	2366.0	2250.7	1862.8
105°	3407.4	3382.0	3280.4	3178.8	3280.4	3382.0	3407.4	3019.7	2502.8	2244.3	1868.7
107.5°	3739.1	3745.2	3769.8	3794.4	3769.8	3745.2	3739.1	3198.3	2477.3	2116.7	1785.5
110°	3824.1	3850.6	3956.4	4062.3	3956.4	3850.6	3824.1	3219.5	2413.5	2010.4	1711.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3769.9	3810.6	3973.1	4135.7	3973.1	3810.6	3769.9	3151.2	2326.2	1913.7	1647.4
115°	3586.0	3642.3	3867.7	4093.1	3867.7	3642.3	3586.0	2989.9	2195.2	1797.8	1573.6
117.5°	3331.9	3394.4	3644.3	3894.3	3644.3	3394.4	3331.9	2794.0	2076.7	1718.1	1527.4
120°	3160.7	3221.5	3464.3	3707.2	3464.3	3221.5	3160.7	2669.2	2013.9	1686.2	1511.9
122.5°	2989.6	3049.5	3289.0	3528.6	3289.0	3049.5	2989.6	2547.0	1956.8	1661.7	1503.7
125°	2763.1	2818.2	3038.9	3259.6	3038.9	2818.2	2763.1	2387.1	1885.8	1635.2	1497.0
127.5°	2581.3	2627.8	2814.1	3000.2	2814.1	2627.8	2581.3	2258.5	1828.1	1612.8	1493.0
130°	2466.5	2509.6	2681.5	2853.5	2681.5	2509.6	2466.5	2179.2	1795.9	1604.3	1495.4
132.5°	2368.7	2407.2	2561.3	2715.3	2561.3	2407.2	2368.7	2111.4	1768.3	1596.8	1496.9
135°	2230.5	2263.7	2396.4	2529.2	2396.4	2263.7	2230.5	2015.0	1727.8	1584.1	1495.5
137.5°	2128.5	2155.6	2264.3	2373.0	2264.3	2155.6	2128.5	1946.3	1703.4	1582.0	1504.7
140°	2046.6	2072.0	2173.6	2275.2	2173.6	2072.0	2046.6	1889.2	1679.4	1574.5	1506.3
142.5°	1989.2	2011.0	2098.4	2185.8	2098.4	2011.0	1989.2	1851.0	1666.7	1574.5	1511.6
145°	1903.0	1919.6	1985.8	2051.9	1985.8	1919.6	1903.0	1790.0	1639.2	1563.9	1511.7
147.5°	1830.8	1844.5	1899.3	1954.1	1899.3	1844.5	1830.8	1741.8	1623.2	1563.9	1522.1
150°	1789.3	1800.4	1844.8	1889.2	1844.8	1800.4	1789.3	1714.1	1614.0	1563.9	1527.6
152.5°	1756.3	1764.7	1798.2	1831.8	1798.2	1764.7	1756.3	1692.2	1606.7	1563.9	1531.0
155°	1717.0	1722.5	1744.7	1767.0	1744.7	1722.5	1717.0	1665.9	1597.9	1563.9	1538.9
157.5°	1683.0	1686.9	1702.5	1718.1	1702.5	1686.9	1683.0	1643.3	1590.3	1563.9	1546.7
160°	1665.9	1668.1	1677.2	1686.2	1677.2	1668.1	1665.9	1631.9	1586.6	1563.9	1550.2
162.5°	1650.0	1652.1	1660.6	1669.2	1660.6	1652.1	1650.0	1621.3	1583.0	1563.9	1554.0
165°	1625.5	1627.7	1636.8	1645.7	1636.8	1627.7	1625.5	1605.0	1577.6	1563.9	1559.4
167.5°	1615.0	1615.9	1619.7	1623.4	1619.7	1615.9	1615.0	1601.5	1583.5	1574.5	1570.7
170°	1615.0	1615.0	1615.0	1615.0	1615.0	1615.0	1615.0	1601.5	1583.5	1574.5	1574.2
172.5°	1606.4	1605.6	1602.3	1598.9	1602.3	1605.6	1606.4	1595.8	1581.6	1574.5	1574.5
175°	1594.7	1594.7	1594.7	1594.7	1594.7	1594.7	1594.7	1588.0	1579.0	1574.5	1576.6
177.5°	1592.6	1591.6	1587.9	1584.1	1587.9	1591.6	1592.6	1587.3	1580.2	1576.6	1578.3
180°	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1	1584.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2668.5	2681.3	2689.0	2699.2	2724.8
5°	2566.3	2614.9	2630.2	2668.5	2714.6
7.5°	2341.4	2489.6	2530.5	2622.5	2694.1
10°	2124.0	2272.4	2343.9	2561.2	2668.5
12.5°	2014.1	2101.0	2149.6	2453.8	2632.8
15°	1945.1	2006.5	2042.2	2310.7	2591.9
17.5°	1891.4	1934.9	1960.5	2170.0	2535.6
20°	1858.2	1878.7	1901.7	2067.8	2471.7
22.5°	1835.2	1822.4	1840.3	1996.2	2384.8
25°	1819.9	1771.3	1791.8	1940.0	2282.6
27.5°	1832.7	1725.3	1733.0	1888.9	2175.2
30°	1835.2	1669.1	1671.6	1835.2	2055.0
32.5°	1817.3	1610.3	1612.8	1768.8	1919.6
35°	1773.9	1541.3	1538.7	1692.1	1735.5
37.5°	1715.1	1467.1	1467.1	1607.7	1533.6
40°	1643.5	1393.0	1400.7	1497.8	1354.7
42.5°	1556.6	1313.8	1324.0	1352.1	1221.8
45°	1462.0	1237.1	1244.8	1142.5	1119.5
47.5°	1357.2	1157.9	1160.4	948.3	1086.3
50°	1232.0	1076.1	1065.9	812.8	1083.7
52.5°	1122.1	986.6	955.9	736.1	984.1
55°	1014.7	892.0	825.6	677.3	912.5
57.5°	920.2	769.4	705.5	608.3	897.2
60°	833.3	649.2	600.7	534.2	823.0
62.5°	761.7	559.8	549.5	483.1	746.4
65°	685.0	498.4	495.9	439.6	633.9
67.5°	610.9	457.5	455.0	398.7	483.1
70°	531.6	414.1	409.0	355.3	357.8
72.5°	449.9	365.5	360.4	319.5	296.5
75°	368.1	309.3	306.7	278.6	240.3
77.5°	288.8	245.4	250.5	224.9	176.4
80°	207.0	178.9	184.0	161.0	132.9
82.5°	138.0	117.6	122.7	102.2	89.5
85°	76.7	66.5	69.0	53.7	40.9
87.5°	35.8	30.7	30.7	20.4	12.8
90°	46.8	29.7	27.6	19.2	10.6
92.5°	288.5	205.2	187.1	114.8	42.5
95°	709.8	399.8	366.7	234.4	102.1
97.5°	956.1	439.1	409.9	293.2	176.4
100°	1045.7	472.0	445.5	339.7	233.9
102.5°	1086.9	505.0	480.3	381.5	282.8
105°	1117.4	553.9	533.0	449.3	365.8
107.5°	1123.0	626.2	606.7	528.8	450.8
110°	1114.5	666.6	649.0	578.6	508.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1114.9	715.5	698.7	631.7	564.5
115°	1125.2	788.9	773.4	711.5	649.6
117.5°	1146.1	860.1	846.0	789.8	733.6
120°	1163.2	901.6	888.4	835.4	782.5
122.5°	1187.6	950.5	937.1	883.8	830.4
125°	1220.5	1013.2	1001.0	952.4	903.7
127.5°	1253.5	1073.8	1061.5	1012.3	963.2
130°	1277.6	1114.2	1101.0	1048.0	995.1
132.5°	1297.0	1147.1	1133.9	1081.0	1028.1
135°	1318.3	1185.4	1173.4	1125.2	1077.0
137.5°	1350.2	1234.3	1222.4	1174.7	1126.9
140°	1369.7	1267.3	1256.3	1212.4	1168.4
142.5°	1385.9	1291.7	1281.6	1240.9	1200.3
145°	1407.2	1328.9	1320.1	1284.6	1249.2
147.5°	1438.4	1375.7	1367.1	1332.6	1298.1
150°	1454.8	1400.2	1392.3	1361.2	1330.0
152.5°	1465.4	1416.1	1410.2	1386.5	1362.9
155°	1488.8	1451.2	1446.9	1429.3	1411.8
157.5°	1512.2	1486.3	1482.1	1465.0	1448.0
160°	1522.8	1502.2	1498.9	1485.7	1472.4
162.5°	1534.1	1519.2	1516.7	1506.8	1496.9
165°	1550.4	1543.7	1541.4	1532.4	1523.5
167.5°	1563.2	1557.5	1556.4	1552.2	1547.9
170°	1573.8	1573.5	1572.5	1568.2	1563.9
172.5°	1574.5	1574.5	1574.2	1573.3	1572.4
175°	1580.9	1584.1	1584.1	1584.1	1584.1
177.5°	1581.7	1584.1	1584.1	1584.1	1584.1
180°	1584.1	1584.1	1584.1	1584.1	1584.1



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.25	12.03	12.28	13.07	14.47	14.10	14.88	15.13	15.92	17.32
	3H	11.72	12.42	12.76	13.47	14.89	15.45	16.15	16.49	17.20	18.62
	4H	11.91	12.57	12.96	13.62	15.05	15.89	16.56	16.95	17.61	19.03
	6H	12.02	12.63	13.09	13.69	15.13	16.18	16.79	17.24	17.84	19.28
	8H	12.02	12.60	13.09	13.67	15.11	16.25	16.83	17.32	17.91	19.34
	12H	11.99	12.54	13.06	13.61	15.06	16.29	16.84	17.37	17.91	19.37
4H	2H	12.28	12.94	13.34	13.99	15.42	14.50	15.16	15.56	16.21	17.64
	3H	13.30	13.85	14.37	14.93	16.37	16.00	16.56	17.07	17.64	19.08
	4H	13.57	14.08	14.65	15.15	16.61	16.53	17.04	17.61	18.11	19.57
	6H	13.69	14.13	14.77	15.22	16.67	16.90	17.33	17.98	18.43	19.88
	8H	13.69	14.10	14.78	15.19	16.66	17.01	17.41	18.09	18.50	19.97
	12H	13.66	14.02	14.76	15.12	16.60	17.06	17.43	18.17	18.53	20.01
8H	4H	14.02	14.43	15.11	15.51	16.98	16.65	17.06	17.74	18.14	19.61
	6H	14.28	14.61	15.39	15.74	17.21	17.09	17.42	18.20	18.55	20.02
	8H	14.32	14.61	15.43	15.72	17.21	17.24	17.54	18.36	18.65	20.14
	12H	14.30	14.56	15.42	15.67	17.19	17.34	17.60	18.46	18.71	20.23
12H	4H	14.02	14.39	15.13	15.49	16.97	16.61	16.98	17.71	18.08	19.55
	6H	14.34	14.63	15.45	15.74	17.23	17.09	17.38	18.20	18.49	19.98
	8H	14.40	14.66	15.52	15.77	17.29	17.25	17.51	18.36	18.61	20.14