

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: P936172

Luminaire Tested: SQ4-FA-150U-125D-935-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936172
REPORT IS A COMBINATION OF REPORTS P933784 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-935-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

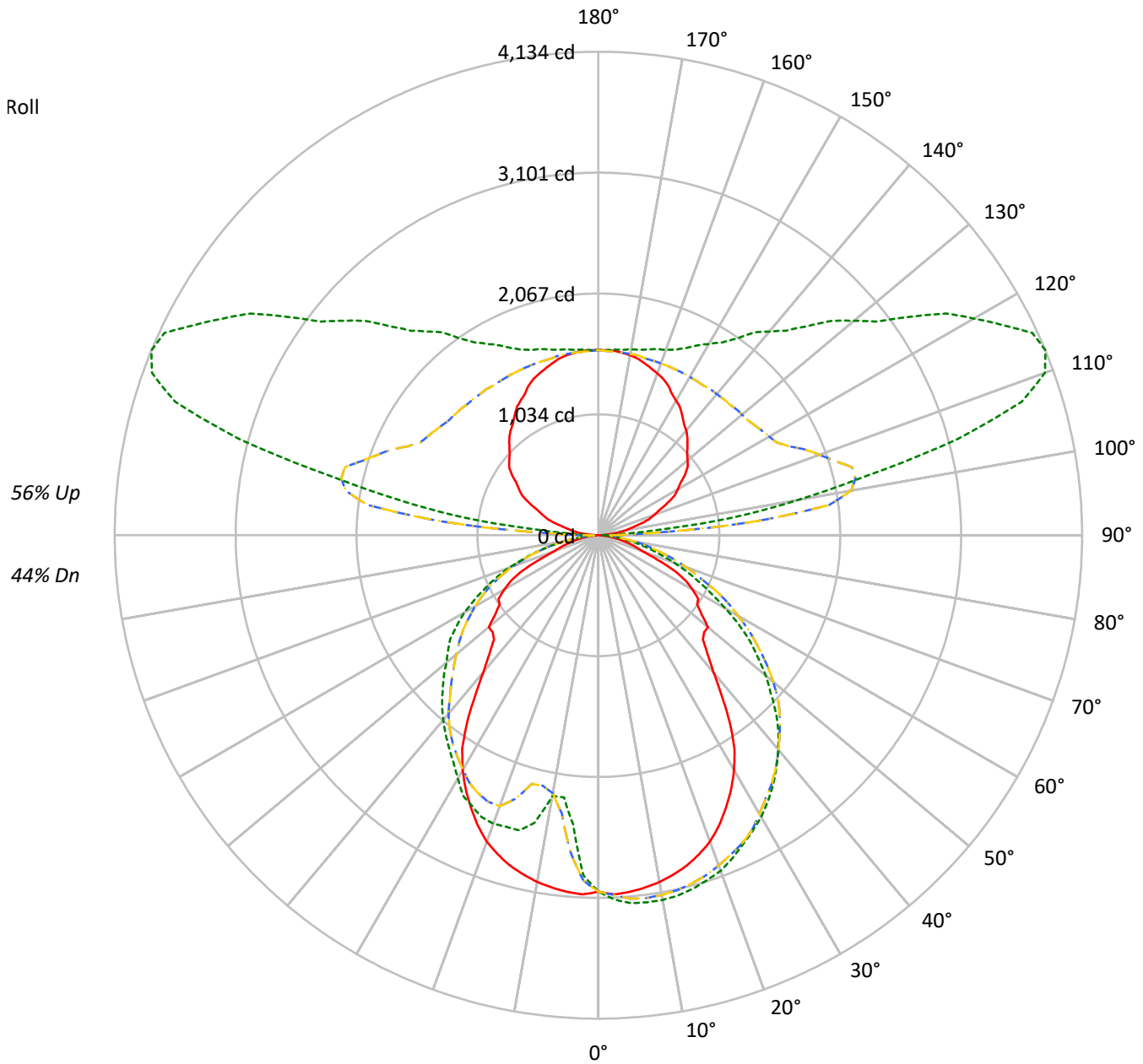
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18174.0 lumens
Efficiency: N/A
Efficacy: 109.2 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: General Diffuse

Input Watts (W): 166.4
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

TEST NUMBER: P936172
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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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44	44	44	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37	37	37	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31	31	31	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26	26	26	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22	22	22	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19	19	19	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17	17	17	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15	15	15	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13	13	13	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12	12	12	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11	11	11	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14141	14141	14141	14141
5°	14246	14274	14246	11224
10°	14151	14060	14151	10053
15°	13997	13756	13997	11487
20°	13705	13395	13705	11511
25°	13105	12869	13105	11267
30°	12331	12432	12331	10731
35°	10993	11879	10993	10143
40°	9160	11229	9160	9698
45°	8184	10467	8184	9186
50°	8694	9558	8694	8674
55°	8181	8580	8181	8376
60°	8432	7287	8432	7672
65°	7646	6023	7646	6733
70°	5294	4800	5294	5644
75°	4641	3549	4641	4248
80°	3742	2346	3742	2555
85°	2147	1243	2147	1057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12543 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.1	1.5
10°-20°	781.1	4.3
20°-30°	1207.5	6.6
30°-40°	1441.5	7.9
40°-50°	1449.9	8.0
50°-60°	1261.6	6.9
60°-70°	894.5	4.9
70°-80°	473.2	2.6
80°-90°	123.9	0.7
90°-100°	771.9	4.2
100°-110°	2029.4	11.2
110°-120°	2104.3	11.6
120°-130°	1687.9	9.3
130°-140°	1324.4	7.3
140°-150°	1016.5	5.6
150°-160°	732.1	4.0
160°-170°	447.9	2.5
170°-180°	151.3	0.8
0°-30°	2263.7	12.5
0°-40°	3705.2	20.4
0°-60°	6416.7	35.3
0°-90°	7908.4	43.5
90°-120°	4905.6	27.0
90°-150°	8934.4	49.2
90°-180°	10266.0	56.5
0°-180°	18174.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3048	3048	3048	3048	3048	
5°	3062	3157	3062	2483	3062	290
15°	2924	3128	2924	2612	2924	823
25°	2575	2918	2575	2555	2575	1182
35°	1958	2604	1958	2223	1958	1211
45°	1263	2145	1263	1883	1263	1012
55°	1029	1583	1029	1546	1029	946
65°	715	954	715	1067	715	683
75°	271	453	271	542	271	285
85°	46	115	46	98	46	62
90°	11	40	11	40	11	11
95°	102	467	102	467	102	113
105°	366	3178	366	3178	366	388
115°	649	4092	649	4092	649	641
125°	903	3259	903	3259	903	802
135°	1077	2528	1077	2528	1077	833
145°	1249	2051	1249	2051	1249	782
155°	1411	1766	1411	1766	1411	648
165°	1523	1645	1523	1645	1523	430
175°	1584	1594	1584	1594	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°	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8
2.5°	3073.7	3073.7	3091.0	3096.8	3096.8	3088.2	3079.5	3088.2	3114.1	3122.8	3119.9
5°	3062.2	3085.3	3117.0	3122.8	3128.5	3125.6	3119.9	3125.6	3154.4	3160.2	3163.1
7.5°	3039.1	3082.4	3122.8	3131.4	3140.0	3131.4	3128.5	3134.3	3163.1	3168.8	3168.8
10°	3010.3	3070.9	3117.0	3122.8	3131.4	3122.8	3122.8	3134.3	3163.1	3168.8	3171.7
12.5°	2969.9	3053.5	3096.8	3102.6	3114.1	3111.2	3108.4	3119.9	3148.7	3154.4	3154.4
15°	2923.8	3021.8	3062.2	3068.0	3088.2	3082.4	3082.4	3093.9	3125.6	3134.3	3131.4
17.5°	2860.3	2981.4	3027.6	3036.2	3050.7	3047.8	3050.7	3062.2	3091.0	3096.8	3099.7
20°	2788.3	2926.6	2981.4	2990.1	3004.5	3004.5	3004.5	3018.9	3047.8	3059.3	3059.3
22.5°	2690.2	2869.0	2926.6	2932.4	2949.7	2949.7	2955.5	2975.7	3001.6	3004.5	3004.5
25°	2574.9	2805.6	2854.5	2871.8	2889.1	2897.8	2906.5	2918.0	2926.6	2923.8	2926.6
27.5°	2453.8	2724.8	2788.3	2799.8	2822.8	2831.5	2843.0	2845.9	2848.8	2857.4	2851.6
30°	2318.3	2612.4	2707.5	2719.1	2756.6	2762.3	2750.8	2756.6	2771.0	2776.8	2782.5
32.5°	2165.4	2445.2	2623.9	2649.9	2684.5	2667.2	2664.3	2672.9	2696.0	2696.0	2701.8
35°	1957.8	2315.4	2546.0	2569.1	2595.0	2574.9	2586.4	2589.3	2603.7	2612.4	2609.5
37.5°	1730.1	2202.9	2465.3	2482.6	2502.8	2476.8	2494.1	2502.8	2514.3	2508.5	2508.5
40°	1528.2	2027.0	2370.2	2381.7	2399.0	2378.8	2396.1	2401.9	2407.7	2401.9	2399.0
42.5°	1378.3	1833.8	2269.2	2283.6	2272.1	2286.5	2292.3	2303.8	2295.2	2283.6	2283.6
45°	1262.9	1782.0	2159.6	2176.9	2159.6	2182.7	2191.4	2191.4	2165.4	2159.6	2156.8
47.5°	1225.4	1678.1	2050.1	2050.1	2041.5	2070.3	2084.7	2064.5	2038.6	2029.9	2029.9
50°	1222.5	1562.8	1900.1	1888.6	1929.0	1963.6	1949.2	1929.0	1908.8	1877.1	1877.1
52.5°	1110.1	1421.5	1707.0	1750.3	1813.7	1833.8	1810.8	1790.6	1756.0	1741.6	1730.1
55°	1029.4	1274.5	1531.1	1617.6	1683.9	1709.9	1666.6	1646.4	1594.5	1585.9	1580.1
57.5°	1012.1	1061.1	1369.6	1479.2	1559.9	1557.0	1531.1	1493.6	1450.4	1441.7	1438.9
60°	928.4	767.0	1196.6	1326.4	1410.0	1401.4	1378.3	1343.7	1303.3	1297.5	1291.8
62.5°	841.9	556.5	1000.5	1147.6	1265.8	1262.9	1242.7	1190.8	1162.0	1147.6	1136.1
65°	715.1	467.2	712.2	954.4	1124.6	1130.3	1087.1	1049.6	1017.8	1000.5	997.7
67.5°	544.9	380.6	481.6	795.9	989.0	983.2	928.4	911.1	870.8	862.1	844.8
70°	403.7	253.7	334.5	645.9	856.3	841.9	798.7	778.6	741.1	720.9	709.3
72.5°	334.5	204.7	245.1	501.7	720.9	703.6	666.1	643.0	611.3	594.0	582.4
75°	271.0	216.2	187.4	372.0	585.3	573.8	539.2	516.1	490.2	467.2	470.0
77.5°	198.9	201.8	150.0	273.9	464.3	447.0	426.8	397.9	386.4	363.3	363.3
80°	150.0	158.6	112.5	187.4	334.5	334.5	317.2	297.0	276.8	265.3	265.3
82.5°	100.9	100.9	83.6	118.3	227.8	219.1	207.6	201.8	190.3	184.5	184.5
85°	46.1	57.7	51.9	72.1	124.0	129.8	129.8	124.0	121.1	115.4	118.3
87.5°	14.4	26.0	31.7	40.4	63.5	66.3	69.2	69.2	69.2	72.1	72.1
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	288.4	399.4	454.9	398.7	286.3	201.9	193.9
95°	102.1	234.3	366.5	399.6	709.5	1122.9	1329.5	1186.4	900.2	685.5	661.2
97.5°	176.4	293.1	409.8	439.0	955.9	1645.0	1989.6	1899.1	1718.2	1582.5	1536.2
100°	233.8	339.6	445.4	471.9	1045.5	1810.2	2192.5	2199.2	2212.4	2222.3	2167.1
102.5°	282.7	381.4	480.1	504.8	1086.6	1862.1	2250.0	2365.2	2595.7	2768.6	2721.4
105°	365.6	449.2	532.8	553.7	1117.0	1868.0	2243.6	2502.0	3018.7	3406.3	3380.9
107.5°	450.6	528.6	606.5	626.0	1122.7	1784.9	2116.0	2476.4	3197.3	3737.9	3744.0
110°	508.0	578.4	648.8	666.3	1114.2	1711.2	2009.8	2412.7	3218.5	3822.9	3849.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	564.4	631.4	698.5	715.3	1114.5	1646.8	1913.0	2325.4	3150.1	3768.7	3809.3
115°	649.4	711.2	773.1	788.6	1124.8	1573.0	1797.2	2194.4	2988.9	3584.8	3641.1
117.5°	733.3	789.5	845.8	859.8	1145.7	1526.9	1717.5	2076.0	2793.0	3330.8	3393.3
120°	782.2	835.1	888.0	901.2	1162.7	1511.3	1685.6	2013.2	2668.4	3159.7	3220.4
122.5°	830.0	883.4	936.8	950.2	1187.2	1503.2	1661.1	1956.1	2546.1	2988.6	3048.5
125°	903.4	952.0	1000.7	1012.9	1220.1	1496.4	1634.6	1885.1	2386.3	2762.2	2817.3
127.5°	962.9	1012.0	1061.2	1073.4	1253.0	1492.5	1612.2	1827.4	2257.7	2580.5	2627.0
130°	994.8	1047.7	1100.6	1113.8	1277.1	1494.8	1603.7	1795.2	2178.4	2465.7	2508.7
132.5°	1027.8	1080.7	1133.6	1146.8	1296.7	1496.5	1596.3	1767.7	2110.7	2367.9	2406.4
135°	1076.6	1124.8	1173.0	1185.0	1317.9	1495.0	1583.5	1727.2	2014.4	2229.8	2262.9
137.5°	1126.6	1174.3	1221.9	1233.9	1349.7	1504.2	1581.5	1702.9	1945.6	2127.7	2154.9
140°	1168.0	1212.0	1255.8	1266.8	1369.2	1505.7	1574.0	1678.9	1888.6	2045.9	2071.3
142.5°	1199.9	1240.5	1281.2	1291.3	1385.5	1511.2	1574.0	1666.1	1850.3	1988.5	2010.3
145°	1248.8	1284.2	1319.7	1328.5	1406.8	1511.2	1563.3	1638.7	1789.4	1902.4	1919.0
147.5°	1297.7	1332.2	1366.7	1375.3	1438.0	1521.6	1563.3	1622.6	1741.1	1830.1	1843.8
150°	1329.5	1360.7	1391.9	1399.7	1454.2	1527.0	1563.3	1613.4	1713.5	1788.7	1799.8
152.5°	1362.5	1386.1	1409.8	1415.7	1464.9	1530.5	1563.3	1606.1	1691.6	1755.7	1764.1
155°	1411.4	1428.9	1446.4	1450.7	1488.3	1538.3	1563.3	1597.3	1665.4	1716.4	1722.0
157.5°	1447.5	1464.6	1481.5	1485.8	1511.6	1546.1	1563.3	1589.8	1642.7	1682.4	1686.4
160°	1472.0	1485.2	1498.4	1501.7	1522.3	1549.6	1563.3	1586.0	1631.4	1665.4	1667.6
162.5°	1496.5	1506.3	1516.3	1518.8	1533.6	1553.5	1563.3	1582.5	1620.8	1649.5	1651.6
165°	1523.0	1531.9	1540.9	1543.1	1549.9	1558.8	1563.3	1577.1	1604.5	1625.0	1627.2
167.5°	1547.4	1551.7	1555.9	1557.0	1562.7	1570.2	1574.0	1582.9	1600.9	1614.4	1615.3
170°	1563.3	1567.6	1571.9	1573.0	1573.3	1573.7	1574.0	1582.9	1600.9	1614.4	1614.4
172.5°	1571.9	1572.8	1573.7	1574.0	1574.0	1574.0	1574.0	1581.1	1595.2	1605.8	1605.0
175°	1583.5	1583.5	1583.5	1583.5	1580.4	1576.1	1574.0	1578.5	1587.4	1594.2	1594.2
177.5°	1583.5	1583.5	1583.5	1583.5	1581.1	1577.7	1576.1	1579.7	1586.8	1592.0	1591.1
180°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8
2.5°	3125.6	3117.0	3125.6	3119.9	3122.8	3114.1	3088.2	3079.5	3088.2	3096.8	3096.8
5°	3163.1	3157.3	3163.1	3163.1	3160.2	3154.4	3125.6	3119.9	3125.6	3128.5	3122.8
7.5°	3174.6	3165.9	3174.6	3168.8	3168.8	3163.1	3134.3	3128.5	3131.4	3140.0	3131.4
10°	3174.6	3165.9	3174.6	3171.7	3168.8	3163.1	3134.3	3122.8	3122.8	3131.4	3122.8
12.5°	3160.2	3154.4	3160.2	3154.4	3154.4	3148.7	3119.9	3108.4	3111.2	3114.1	3102.6
15°	3137.1	3128.5	3137.1	3131.4	3134.3	3125.6	3093.9	3082.4	3082.4	3088.2	3068.0
17.5°	3102.6	3091.0	3102.6	3099.7	3096.8	3091.0	3062.2	3050.7	3047.8	3050.7	3036.2
20°	3062.2	3053.5	3062.2	3059.3	3059.3	3047.8	3018.9	3004.5	3004.5	3004.5	2990.1
22.5°	2998.7	2990.1	2998.7	3004.5	3004.5	3001.6	2975.7	2955.5	2949.7	2949.7	2932.4
25°	2926.6	2918.0	2926.6	2926.6	2923.8	2926.6	2918.0	2906.5	2897.8	2889.1	2871.8
27.5°	2857.4	2851.6	2857.4	2851.6	2857.4	2848.8	2845.9	2843.0	2831.5	2822.8	2799.8
30°	2788.3	2782.5	2788.3	2782.5	2776.8	2771.0	2756.6	2750.8	2762.3	2756.6	2719.1
32.5°	2701.8	2696.0	2701.8	2701.8	2696.0	2696.0	2672.9	2664.3	2667.2	2684.5	2649.9
35°	2612.4	2603.7	2612.4	2609.5	2612.4	2603.7	2589.3	2586.4	2574.9	2595.0	2569.1
37.5°	2508.5	2499.9	2508.5	2508.5	2508.5	2514.3	2502.8	2494.1	2476.8	2502.8	2482.6
40°	2401.9	2390.4	2401.9	2399.0	2401.9	2407.7	2401.9	2396.1	2378.8	2399.0	2381.7
42.5°	2280.8	2277.9	2280.8	2283.6	2283.6	2295.2	2303.8	2292.3	2286.5	2272.1	2283.6
45°	2151.0	2145.3	2151.0	2156.8	2159.6	2165.4	2191.4	2191.4	2182.7	2159.6	2176.9
47.5°	2012.6	1998.2	2012.6	2029.9	2029.9	2038.6	2064.5	2084.7	2070.3	2041.5	2050.1
50°	1865.5	1868.4	1865.5	1877.1	1877.1	1908.8	1929.0	1949.2	1963.6	1929.0	1888.6
52.5°	1721.4	1718.5	1721.4	1730.1	1741.6	1756.0	1790.6	1810.8	1833.8	1813.7	1750.3
55°	1577.2	1583.0	1577.2	1580.1	1585.9	1594.5	1646.4	1666.6	1709.9	1683.9	1617.6
57.5°	1433.1	1424.4	1433.1	1438.9	1441.7	1450.4	1493.6	1531.1	1557.0	1559.9	1479.2
60°	1265.8	1254.3	1265.8	1291.8	1297.5	1303.3	1343.7	1378.3	1401.4	1410.0	1326.4
62.5°	1118.8	1098.6	1118.8	1136.1	1147.6	1162.0	1190.8	1242.7	1262.9	1265.8	1147.6
65°	963.0	954.4	963.0	997.7	1000.5	1017.8	1049.6	1087.1	1130.3	1124.6	954.4
67.5°	821.8	821.8	821.8	844.8	862.1	870.8	911.1	928.4	983.2	989.0	795.9
70°	692.0	689.1	692.0	709.3	720.9	741.1	778.6	798.7	841.9	856.3	645.9
72.5°	568.0	565.1	568.0	582.4	594.0	611.3	643.0	666.1	703.6	720.9	501.7
75°	458.5	452.7	458.5	470.0	467.2	490.2	516.1	539.2	573.8	585.3	372.0
77.5°	351.8	351.8	351.8	363.3	363.3	386.4	397.9	426.8	447.0	464.3	273.9
80°	262.4	259.5	262.4	265.3	265.3	276.8	297.0	317.2	334.5	334.5	187.4
82.5°	184.5	178.7	184.5	184.5	184.5	190.3	201.8	207.6	219.1	227.8	118.3
85°	115.4	115.4	115.4	118.3	115.4	121.1	124.0	129.8	129.8	124.0	72.1
87.5°	75.0	72.1	75.0	72.1	72.1	69.2	69.2	69.2	66.3	63.5	40.4
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	193.9	201.9	286.3	398.7	454.9	399.4	288.4	205.2
95°	563.9	466.6	563.9	661.2	685.5	900.2	1186.4	1329.5	1122.9	709.5	399.6
97.5°	1351.0	1165.9	1351.0	1536.2	1582.5	1718.2	1899.1	1989.6	1645.0	955.9	439.0
100°	1946.6	1726.0	1946.6	2167.1	2222.3	2212.4	2199.2	2192.5	1810.2	1045.5	471.9
102.5°	2532.4	2343.5	2532.4	2721.4	2768.6	2595.7	2365.2	2250.0	1862.1	1086.6	504.8
105°	3279.3	3177.8	3279.3	3380.9	3406.3	3018.7	2502.0	2243.6	1868.0	1117.0	553.7
107.5°	3768.6	3793.1	3768.6	3744.0	3737.9	3197.3	2476.4	2116.0	1784.9	1122.7	626.0
110°	3955.2	4061.0	3955.2	3849.3	3822.9	3218.5	2412.7	2009.8	1711.2	1114.2	666.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3971.8	4134.2	3971.8	3809.3	3768.7	3150.1	2325.4	1913.0	1646.8	1114.5	715.3
115°	3866.5	4091.7	3866.5	3641.1	3584.8	2988.9	2194.4	1797.2	1573.0	1124.8	788.6
117.5°	3643.2	3893.0	3643.2	3393.3	3330.8	2793.0	2076.0	1717.5	1526.9	1145.7	859.8
120°	3463.2	3705.9	3463.2	3220.4	3159.7	2668.4	2013.2	1685.6	1511.3	1162.7	901.2
122.5°	3288.0	3527.5	3288.0	3048.5	2988.6	2546.1	1956.1	1661.1	1503.2	1187.2	950.2
125°	3038.0	3258.6	3038.0	2817.3	2762.2	2386.3	1885.1	1634.6	1496.4	1220.1	1012.9
127.5°	2813.1	2999.2	2813.1	2627.0	2580.5	2257.7	1827.4	1612.2	1492.5	1253.0	1073.4
130°	2680.6	2852.6	2680.6	2508.7	2465.7	2178.4	1795.2	1603.7	1494.8	1277.1	1113.8
132.5°	2560.3	2714.4	2560.3	2406.4	2367.9	2110.7	1767.7	1596.3	1496.5	1296.7	1146.8
135°	2395.7	2528.4	2395.7	2262.9	2229.8	2014.4	1727.2	1583.5	1495.0	1317.9	1185.0
137.5°	2263.5	2372.1	2263.5	2154.9	2127.7	1945.6	1702.9	1581.5	1504.2	1349.7	1233.9
140°	2172.9	2274.4	2172.9	2071.3	2045.9	1888.6	1678.9	1574.0	1505.7	1369.2	1266.8
142.5°	2097.7	2185.1	2097.7	2010.3	1988.5	1850.3	1666.1	1574.0	1511.2	1385.5	1291.3
145°	1985.1	2051.2	1985.1	1919.0	1902.4	1789.4	1638.7	1563.3	1511.2	1406.8	1328.5
147.5°	1898.6	1953.4	1898.6	1843.8	1830.1	1741.1	1622.6	1563.3	1521.6	1438.0	1375.3
150°	1844.2	1888.6	1844.2	1799.8	1788.7	1713.5	1613.4	1563.3	1527.0	1454.2	1399.7
152.5°	1797.6	1831.2	1797.6	1764.1	1755.7	1691.6	1606.1	1563.3	1530.5	1464.9	1415.7
155°	1744.2	1766.4	1744.2	1722.0	1716.4	1665.4	1597.3	1563.3	1538.3	1488.3	1450.7
157.5°	1701.9	1717.5	1701.9	1686.4	1682.4	1642.7	1589.8	1563.3	1546.1	1511.6	1485.8
160°	1676.7	1685.6	1676.7	1667.6	1665.4	1631.4	1586.0	1563.3	1549.6	1522.3	1501.7
162.5°	1660.0	1668.6	1660.0	1651.6	1649.5	1620.8	1582.5	1563.3	1553.5	1533.6	1518.8
165°	1636.3	1645.2	1636.3	1627.2	1625.0	1604.5	1577.1	1563.3	1558.8	1549.9	1543.1
167.5°	1619.1	1622.9	1619.1	1615.3	1614.4	1600.9	1582.9	1574.0	1570.2	1562.7	1557.0
170°	1614.4	1614.4	1614.4	1614.4	1614.4	1600.9	1582.9	1574.0	1573.7	1573.3	1573.0
172.5°	1601.8	1598.4	1601.8	1605.0	1605.8	1595.2	1581.1	1574.0	1574.0	1574.0	1574.0
175°	1594.2	1594.2	1594.2	1594.2	1594.2	1587.4	1578.5	1574.0	1576.1	1580.4	1583.5
177.5°	1587.3	1583.5	1587.3	1591.1	1592.0	1586.8	1579.7	1576.1	1577.7	1581.1	1583.5
180°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8
2.5°	3091.0	3073.7	3073.7	3044.9	3033.4	3024.7	3010.3	2967.0	2955.5	2943.9	2961.3
5°	3117.0	3085.3	3062.2	3010.3	2967.0	2949.7	2894.9	2791.2	2722.0	2670.0	2641.2
7.5°	3122.8	3082.4	3039.1	2958.4	2854.5	2808.4	2641.2	2450.9	2399.0	2352.9	2324.0
10°	3117.0	3070.9	3010.3	2889.1	2644.1	2563.3	2396.1	2272.1	2240.4	2231.7	2240.4
12.5°	3096.8	3053.5	2969.9	2768.1	2425.0	2370.2	2272.1	2200.0	2194.2	2208.7	2286.5
15°	3062.2	3021.8	2923.8	2606.6	2303.8	2263.5	2194.2	2168.3	2200.0	2301.0	2534.5
17.5°	3027.6	2981.4	2860.3	2448.1	2211.5	2182.7	2133.7	2185.6	2364.4	2499.9	2577.7
20°	2981.4	2926.6	2788.3	2332.7	2145.3	2119.3	2096.3	2329.8	2465.3	2514.3	2557.6
22.5°	2926.6	2869.0	2690.2	2251.9	2076.1	2055.9	2070.3	2410.6	2465.3	2499.9	2537.4
25°	2854.5	2805.6	2574.9	2188.5	2021.3	1998.2	2053.0	2401.9	2433.6	2442.3	2517.2
27.5°	2788.3	2724.8	2453.8	2130.9	1954.9	1946.3	2067.4	2364.4	2387.5	2396.1	2476.8
30°	2707.5	2612.4	2318.3	2070.3	1885.7	1882.8	2070.3	2318.3	2312.5	2335.6	2416.3
32.5°	2623.9	2445.2	2165.4	1995.3	1819.4	1816.5	2050.1	2249.0	2243.3	2275.0	2335.6
35°	2546.0	2315.4	1957.8	1908.8	1735.8	1738.7	2001.1	2168.3	2171.2	2200.0	2237.5
37.5°	2465.3	2202.9	1730.1	1813.7	1655.1	1655.1	1934.7	2093.4	2087.6	2096.3	2148.1
40°	2370.2	2027.0	1528.2	1689.7	1580.1	1571.4	1854.0	2012.6	1992.4	1989.6	2061.7
42.5°	2269.2	1833.8	1378.3	1525.3	1493.6	1482.1	1756.0	1914.6	1877.1	1885.7	1978.0
45°	2159.6	1782.0	1262.9	1288.9	1404.2	1395.6	1649.3	1802.2	1776.2	1799.3	1894.4
47.5°	2050.1	1678.1	1225.4	1069.8	1309.1	1306.2	1531.1	1692.6	1678.1	1701.2	1802.2
50°	1900.1	1562.8	1222.5	916.9	1202.3	1213.9	1389.8	1585.9	1585.9	1606.0	1712.8
52.5°	1707.0	1421.5	1110.1	830.4	1078.4	1113.0	1265.8	1493.6	1499.3	1519.5	1614.7
55°	1531.1	1274.5	1029.4	764.1	931.3	1006.3	1144.7	1398.5	1410.0	1430.2	1516.6
57.5°	1369.6	1061.1	1012.1	686.3	795.9	867.9	1038.0	1306.2	1311.9	1329.3	1412.9
60°	1196.6	767.0	928.4	602.6	677.6	732.4	940.0	1196.6	1216.8	1228.3	1300.4
62.5°	1000.5	556.5	841.9	544.9	619.9	631.5	859.2	1092.8	1118.8	1127.5	1170.6
65°	712.2	467.2	715.1	495.9	559.3	562.2	772.8	986.1	1009.2	1023.6	1055.3
67.5°	481.6	380.6	544.9	449.8	513.2	516.1	689.1	862.1	893.8	905.4	925.6
70°	334.5	253.7	403.7	400.8	461.4	467.2	599.7	749.7	778.6	787.2	798.7
72.5°	245.1	204.7	334.5	360.4	406.6	412.4	507.5	622.8	651.6	660.3	666.1
75°	187.4	216.2	271.0	314.3	346.0	348.9	415.2	507.5	527.6	533.4	536.3
77.5°	150.0	201.8	198.9	253.7	282.6	276.8	325.8	392.2	409.5	409.5	409.5
80°	112.5	158.6	150.0	181.6	207.6	201.8	233.5	279.7	285.4	291.2	288.3
82.5°	83.6	100.9	100.9	115.4	138.4	132.7	155.7	181.6	181.6	181.6	187.4
85°	51.9	57.7	46.1	60.6	77.9	75.0	86.5	98.1	100.9	100.9	95.2
87.5°	31.7	26.0	14.4	23.1	34.6	34.6	40.4	43.3	40.4	40.4	40.4
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	288.4	399.4	454.9	398.7	286.3
95°	366.5	234.3	102.1	234.3	366.5	399.6	709.5	1122.9	1329.5	1186.4	900.2
97.5°	409.8	293.1	176.4	293.1	409.8	439.0	955.9	1645.0	1989.6	1899.1	1718.2
100°	445.4	339.6	233.8	339.6	445.4	471.9	1045.5	1810.2	2192.5	2199.2	2212.4
102.5°	480.1	381.4	282.7	381.4	480.1	504.8	1086.6	1862.1	2250.0	2365.2	2595.7
105°	532.8	449.2	365.6	449.2	532.8	553.7	1117.0	1868.0	2243.6	2502.0	3018.7
107.5°	606.5	528.6	450.6	528.6	606.5	626.0	1122.7	1784.9	2116.0	2476.4	3197.3
110°	648.8	578.4	508.0	578.4	648.8	666.3	1114.2	1711.2	2009.8	2412.7	3218.5



TEST NUMBER: P936172

CATALOG NUMBER: SQ4-FA-150U-125D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	698.5	631.4	564.4	631.4	698.5	715.3	1114.5	1646.8	1913.0	2325.4	3150.1
115°	773.1	711.2	649.4	711.2	773.1	788.6	1124.8	1573.0	1797.2	2194.4	2988.9
117.5°	845.8	789.5	733.3	789.5	845.8	859.8	1145.7	1526.9	1717.5	2076.0	2793.0
120°	888.0	835.1	782.2	835.1	888.0	901.2	1162.7	1511.3	1685.6	2013.2	2668.4
122.5°	936.8	883.4	830.0	883.4	936.8	950.2	1187.2	1503.2	1661.1	1956.1	2546.1
125°	1000.7	952.0	903.4	952.0	1000.7	1012.9	1220.1	1496.4	1634.6	1885.1	2386.3
127.5°	1061.2	1012.0	962.9	1012.0	1061.2	1073.4	1253.0	1492.5	1612.2	1827.4	2257.7
130°	1100.6	1047.7	994.8	1047.7	1100.6	1113.8	1277.1	1494.8	1603.7	1795.2	2178.4
132.5°	1133.6	1080.7	1027.8	1080.7	1133.6	1146.8	1296.7	1496.5	1596.3	1767.7	2110.7
135°	1173.0	1124.8	1076.6	1124.8	1173.0	1185.0	1317.9	1495.0	1583.5	1727.2	2014.4
137.5°	1221.9	1174.3	1126.6	1174.3	1221.9	1233.9	1349.7	1504.2	1581.5	1702.9	1945.6
140°	1255.8	1212.0	1168.0	1212.0	1255.8	1266.8	1369.2	1505.7	1574.0	1678.9	1888.6
142.5°	1281.2	1240.5	1199.9	1240.5	1281.2	1291.3	1385.5	1511.2	1574.0	1666.1	1850.3
145°	1319.7	1284.2	1248.8	1284.2	1319.7	1328.5	1406.8	1511.2	1563.3	1638.7	1789.4
147.5°	1366.7	1332.2	1297.7	1332.2	1366.7	1375.3	1438.0	1521.6	1563.3	1622.6	1741.1
150°	1391.9	1360.7	1329.5	1360.7	1391.9	1399.7	1454.2	1527.0	1563.3	1613.4	1713.5
152.5°	1409.8	1386.1	1362.5	1386.1	1409.8	1415.7	1464.9	1530.5	1563.3	1606.1	1691.6
155°	1446.4	1428.9	1411.4	1428.9	1446.4	1450.7	1488.3	1538.3	1563.3	1597.3	1665.4
157.5°	1481.5	1464.6	1447.5	1464.6	1481.5	1485.8	1511.6	1546.1	1563.3	1589.8	1642.7
160°	1498.4	1485.2	1472.0	1485.2	1498.4	1501.7	1522.3	1549.6	1563.3	1586.0	1631.4
162.5°	1516.3	1506.3	1496.5	1506.3	1516.3	1518.8	1533.6	1553.5	1563.3	1582.5	1620.8
165°	1540.9	1531.9	1523.0	1531.9	1540.9	1543.1	1549.9	1558.8	1563.3	1577.1	1604.5
167.5°	1555.9	1551.7	1547.4	1551.7	1555.9	1557.0	1562.7	1570.2	1574.0	1582.9	1600.9
170°	1571.9	1567.6	1563.3	1567.6	1571.9	1573.0	1573.3	1573.7	1574.0	1582.9	1600.9
172.5°	1573.7	1572.8	1571.9	1572.8	1573.7	1574.0	1574.0	1574.0	1574.0	1581.1	1595.2
175°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1580.4	1576.1	1574.0	1578.5	1587.4
177.5°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1581.1	1577.7	1576.1	1579.7	1586.8
180°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5



TEST NUMBER: P936172
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8	3047.8
2.5°	2941.1	2932.4	2943.9	2912.2	2943.9	2932.4	2941.1	2961.3	2943.9	2955.5	2967.0
5°	2580.6	2566.2	2520.1	2482.6	2520.1	2566.2	2580.6	2641.2	2670.0	2722.0	2791.2
7.5°	2306.7	2295.2	2283.6	2260.6	2283.6	2295.2	2306.7	2324.0	2352.9	2399.0	2450.9
10°	2246.2	2249.0	2266.3	2263.5	2266.3	2249.0	2246.2	2240.4	2231.7	2240.4	2272.1
12.5°	2401.9	2427.9	2522.9	2517.2	2522.9	2427.9	2401.9	2286.5	2208.7	2194.2	2200.0
15°	2580.6	2589.3	2609.5	2612.4	2609.5	2589.3	2580.6	2534.5	2301.0	2200.0	2168.3
17.5°	2597.9	2600.8	2615.2	2615.2	2615.2	2600.8	2597.9	2577.7	2499.9	2364.4	2185.6
20°	2583.5	2589.3	2618.1	2623.9	2618.1	2589.3	2583.5	2557.6	2514.3	2465.3	2329.8
22.5°	2577.7	2589.3	2612.4	2609.5	2612.4	2589.3	2577.7	2537.4	2499.9	2465.3	2410.6
25°	2548.9	2548.9	2551.8	2554.7	2551.8	2548.9	2548.9	2517.2	2442.3	2433.6	2401.9
27.5°	2488.4	2494.1	2511.4	2508.5	2511.4	2494.1	2488.4	2476.8	2396.1	2387.5	2364.4
30°	2433.6	2427.9	2413.4	2401.9	2413.4	2427.9	2433.6	2416.3	2335.6	2312.5	2318.3
32.5°	2341.3	2326.9	2312.5	2303.8	2312.5	2326.9	2341.3	2335.6	2275.0	2243.3	2249.0
35°	2231.7	2234.6	2231.7	2223.1	2231.7	2234.6	2231.7	2237.5	2200.0	2171.2	2168.3
37.5°	2153.9	2159.6	2156.8	2145.3	2156.8	2159.6	2153.9	2148.1	2096.3	2087.6	2093.4
40°	2073.2	2076.1	2073.2	2064.5	2073.2	2076.1	2073.2	2061.7	1989.6	1992.4	2012.6
42.5°	1995.3	1992.4	1983.8	1978.0	1983.8	1992.4	1995.3	1978.0	1885.7	1877.1	1914.6
45°	1905.9	1908.8	1891.5	1882.8	1891.5	1908.8	1905.9	1894.4	1799.3	1776.2	1802.2
47.5°	1816.5	1816.5	1802.2	1793.5	1802.2	1816.5	1816.5	1802.2	1701.2	1678.1	1692.6
50°	1721.4	1718.5	1698.3	1695.5	1698.3	1718.5	1721.4	1712.8	1606.0	1585.9	1585.9
52.5°	1611.8	1611.8	1614.7	1620.5	1614.7	1611.8	1611.8	1614.7	1519.5	1499.3	1493.6
55°	1516.6	1519.5	1539.7	1545.5	1539.7	1519.5	1516.6	1516.6	1430.2	1410.0	1398.5
57.5°	1418.7	1418.7	1433.1	1433.1	1433.1	1418.7	1418.7	1412.9	1329.3	1311.9	1306.2
60°	1306.2	1311.9	1323.5	1320.6	1323.5	1311.9	1306.2	1300.4	1228.3	1216.8	1196.6
62.5°	1187.9	1193.7	1196.6	1190.8	1196.6	1193.7	1187.9	1170.6	1127.5	1118.8	1092.8
65°	1064.0	1069.8	1072.7	1066.9	1072.7	1069.8	1064.0	1055.3	1023.6	1009.2	986.1
67.5°	937.1	934.2	931.3	942.9	931.3	934.2	937.1	925.6	905.4	893.8	862.1
70°	807.4	807.4	804.5	810.3	804.5	807.4	807.4	798.7	787.2	778.6	749.7
72.5°	669.0	666.1	677.6	669.0	677.6	666.1	669.0	666.1	660.3	651.6	622.8
75°	533.4	539.2	533.4	542.0	533.4	539.2	533.4	536.3	533.4	527.6	507.5
77.5°	406.6	412.4	406.6	406.6	406.6	412.4	406.6	409.5	409.5	409.5	392.2
80°	288.3	285.4	285.4	282.6	285.4	285.4	288.3	288.3	291.2	285.4	279.7
82.5°	184.5	181.6	181.6	187.4	181.6	181.6	184.5	187.4	181.6	181.6	181.6
85°	100.9	103.8	98.1	98.1	98.1	103.8	100.9	95.2	100.9	100.9	98.1
87.5°	37.5	34.6	34.6	34.6	34.6	34.6	37.5	40.4	40.4	40.4	43.3
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°	201.9	193.9	161.8	129.7	161.8	193.9	201.9	286.3	398.7	454.9	399.4
95°	685.5	661.2	563.9	466.6	563.9	661.2	685.5	900.2	1186.4	1329.5	1122.9
97.5°	1582.5	1536.2	1351.0	1165.9	1351.0	1536.2	1582.5	1718.2	1899.1	1989.6	1645.0
100°	2222.3	2167.1	1946.6	1726.0	1946.6	2167.1	2222.3	2212.4	2199.2	2192.5	1810.2
102.5°	2768.6	2721.4	2532.4	2343.5	2532.4	2721.4	2768.6	2595.7	2365.2	2250.0	1862.1
105°	3406.3	3380.9	3279.3	3177.8	3279.3	3380.9	3406.3	3018.7	2502.0	2243.6	1868.0
107.5°	3737.9	3744.0	3768.6	3793.1	3768.6	3744.0	3737.9	3197.3	2476.4	2116.0	1784.9
110°	3822.9	3849.3	3955.2	4061.0	3955.2	3849.3	3822.9	3218.5	2412.7	2009.8	1711.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3768.7	3809.3	3971.8	4134.2	3971.8	3809.3	3768.7	3150.1	2325.4	1913.0	1646.8
115°	3584.8	3641.1	3866.5	4091.7	3866.5	3641.1	3584.8	2988.9	2194.4	1797.2	1573.0
117.5°	3330.8	3393.3	3643.2	3893.0	3643.2	3393.3	3330.8	2793.0	2076.0	1717.5	1526.9
120°	3159.7	3220.4	3463.2	3705.9	3463.2	3220.4	3159.7	2668.4	2013.2	1685.6	1511.3
122.5°	2988.6	3048.5	3288.0	3527.5	3288.0	3048.5	2988.6	2546.1	1956.1	1661.1	1503.2
125°	2762.2	2817.3	3038.0	3258.6	3038.0	2817.3	2762.2	2386.3	1885.1	1634.6	1496.4
127.5°	2580.5	2627.0	2813.1	2999.2	2813.1	2627.0	2580.5	2257.7	1827.4	1612.2	1492.5
130°	2465.7	2508.7	2680.6	2852.6	2680.6	2508.7	2465.7	2178.4	1795.2	1603.7	1494.8
132.5°	2367.9	2406.4	2560.3	2714.4	2560.3	2406.4	2367.9	2110.7	1767.7	1596.3	1496.5
135°	2229.8	2262.9	2395.7	2528.4	2395.7	2262.9	2229.8	2014.4	1727.2	1583.5	1495.0
137.5°	2127.7	2154.9	2263.5	2372.1	2263.5	2154.9	2127.7	1945.6	1702.9	1581.5	1504.2
140°	2045.9	2071.3	2172.9	2274.4	2172.9	2071.3	2045.9	1888.6	1678.9	1574.0	1505.7
142.5°	1988.5	2010.3	2097.7	2185.1	2097.7	2010.3	1988.5	1850.3	1666.1	1574.0	1511.2
145°	1902.4	1919.0	1985.1	2051.2	1985.1	1919.0	1902.4	1789.4	1638.7	1563.3	1511.2
147.5°	1830.1	1843.8	1898.6	1953.4	1898.6	1843.8	1830.1	1741.1	1622.6	1563.3	1521.6
150°	1788.7	1799.8	1844.2	1888.6	1844.2	1799.8	1788.7	1713.5	1613.4	1563.3	1527.0
152.5°	1755.7	1764.1	1797.6	1831.2	1797.6	1764.1	1755.7	1691.6	1606.1	1563.3	1530.5
155°	1716.4	1722.0	1744.2	1766.4	1744.2	1722.0	1716.4	1665.4	1597.3	1563.3	1538.3
157.5°	1682.4	1686.4	1701.9	1717.5	1701.9	1686.4	1682.4	1642.7	1589.8	1563.3	1546.1
160°	1665.4	1667.6	1676.7	1685.6	1676.7	1667.6	1665.4	1631.4	1586.0	1563.3	1549.6
162.5°	1649.5	1651.6	1660.0	1668.6	1660.0	1651.6	1649.5	1620.8	1582.5	1563.3	1553.5
165°	1625.0	1627.2	1636.3	1645.2	1636.3	1627.2	1625.0	1604.5	1577.1	1563.3	1558.8
167.5°	1614.4	1615.3	1619.1	1622.9	1619.1	1615.3	1614.4	1600.9	1582.9	1574.0	1570.2
170°	1614.4	1614.4	1614.4	1614.4	1614.4	1614.4	1614.4	1600.9	1582.9	1574.0	1573.7
172.5°	1605.8	1605.0	1601.8	1598.4	1601.8	1605.0	1605.8	1595.2	1581.1	1574.0	1574.0
175°	1594.2	1594.2	1594.2	1594.2	1594.2	1594.2	1594.2	1587.4	1578.5	1574.0	1576.1
177.5°	1592.0	1591.1	1587.3	1583.5	1587.3	1591.1	1592.0	1586.8	1579.7	1576.1	1577.7
180°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3047.8	3047.8	3047.8	3047.8	3047.8
2.5°	3010.3	3024.7	3033.4	3044.9	3073.7
5°	2894.9	2949.7	2967.0	3010.3	3062.2
7.5°	2641.2	2808.4	2854.5	2958.4	3039.1
10°	2396.1	2563.3	2644.1	2889.1	3010.3
12.5°	2272.1	2370.2	2425.0	2768.1	2969.9
15°	2194.2	2263.5	2303.8	2606.6	2923.8
17.5°	2133.7	2182.7	2211.5	2448.1	2860.3
20°	2096.3	2119.3	2145.3	2332.7	2788.3
22.5°	2070.3	2055.9	2076.1	2251.9	2690.2
25°	2053.0	1998.2	2021.3	2188.5	2574.9
27.5°	2067.4	1946.3	1954.9	2130.9	2453.8
30°	2070.3	1882.8	1885.7	2070.3	2318.3
32.5°	2050.1	1816.5	1819.4	1995.3	2165.4
35°	2001.1	1738.7	1735.8	1908.8	1957.8
37.5°	1934.7	1655.1	1655.1	1813.7	1730.1
40°	1854.0	1571.4	1580.1	1689.7	1528.2
42.5°	1756.0	1482.1	1493.6	1525.3	1378.3
45°	1649.3	1395.6	1404.2	1288.9	1262.9
47.5°	1531.1	1306.2	1309.1	1069.8	1225.4
50°	1389.8	1213.9	1202.3	916.9	1222.5
52.5°	1265.8	1113.0	1078.4	830.4	1110.1
55°	1144.7	1006.3	931.3	764.1	1029.4
57.5°	1038.0	867.9	795.9	686.3	1012.1
60°	940.0	732.4	677.6	602.6	928.4
62.5°	859.2	631.5	619.9	544.9	841.9
65°	772.8	562.2	559.3	495.9	715.1
67.5°	689.1	516.1	513.2	449.8	544.9
70°	599.7	467.2	461.4	400.8	403.7
72.5°	507.5	412.4	406.6	360.4	334.5
75°	415.2	348.9	346.0	314.3	271.0
77.5°	325.8	276.8	282.6	253.7	198.9
80°	233.5	201.8	207.6	181.6	150.0
82.5°	155.7	132.7	138.4	115.4	100.9
85°	86.5	75.0	77.9	60.6	46.1
87.5°	40.4	34.6	34.6	23.1	14.4
90°	46.8	29.7	27.6	19.2	10.6
92.5°	288.4	205.2	187.1	114.8	42.5
95°	709.5	399.6	366.5	234.3	102.1
97.5°	955.9	439.0	409.8	293.1	176.4
100°	1045.5	471.9	445.4	339.6	233.8
102.5°	1086.6	504.8	480.1	381.4	282.7
105°	1117.0	553.7	532.8	449.2	365.6
107.5°	1122.7	626.0	606.5	528.6	450.6
110°	1114.2	666.3	648.8	578.4	508.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1114.5	715.3	698.5	631.4	564.4
115°	1124.8	788.6	773.1	711.2	649.4
117.5°	1145.7	859.8	845.8	789.5	733.3
120°	1162.7	901.2	888.0	835.1	782.2
122.5°	1187.2	950.2	936.8	883.4	830.0
125°	1220.1	1012.9	1000.7	952.0	903.4
127.5°	1253.0	1073.4	1061.2	1012.0	962.9
130°	1277.1	1113.8	1100.6	1047.7	994.8
132.5°	1296.7	1146.8	1133.6	1080.7	1027.8
135°	1317.9	1185.0	1173.0	1124.8	1076.6
137.5°	1349.7	1233.9	1221.9	1174.3	1126.6
140°	1369.2	1266.8	1255.8	1212.0	1168.0
142.5°	1385.5	1291.3	1281.2	1240.5	1199.9
145°	1406.8	1328.5	1319.7	1284.2	1248.8
147.5°	1438.0	1375.3	1366.7	1332.2	1297.7
150°	1454.2	1399.7	1391.9	1360.7	1329.5
152.5°	1464.9	1415.7	1409.8	1386.1	1362.5
155°	1488.3	1450.7	1446.4	1428.9	1411.4
157.5°	1511.6	1485.8	1481.5	1464.6	1447.5
160°	1522.3	1501.7	1498.4	1485.2	1472.0
162.5°	1533.6	1518.8	1516.3	1506.3	1496.5
165°	1549.9	1543.1	1540.9	1531.9	1523.0
167.5°	1562.7	1557.0	1555.9	1551.7	1547.4
170°	1573.3	1573.0	1571.9	1567.6	1563.3
172.5°	1574.0	1574.0	1573.7	1572.8	1571.9
175°	1580.4	1583.5	1583.5	1583.5	1583.5
177.5°	1581.1	1583.5	1583.5	1583.5	1583.5
180°	1583.5	1583.5	1583.5	1583.5	1583.5



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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	13.38	14.19	14.39	15.21	16.57	16.22	17.02	17.23	18.04	19.41
	3H	13.85	14.58	14.87	15.60	16.99	17.56	18.28	18.58	19.31	20.69
	4H	14.04	14.73	15.08	15.76	17.15	18.01	18.69	19.04	19.72	21.11
	6H	14.16	14.79	15.20	15.82	17.22	18.29	18.92	19.33	19.96	21.36
	8H	14.16	14.76	15.21	15.81	17.21	18.36	18.96	19.41	20.01	21.41
	12H	14.13	14.70	15.18	15.74	17.16	18.40	18.97	19.45	20.02	21.44
4H	2H	14.41	15.09	15.45	16.12	17.51	16.62	17.30	17.66	18.34	19.73
	3H	15.43	16.00	16.48	17.06	18.46	18.12	18.69	19.17	19.75	21.16
	4H	15.70	16.23	16.76	17.28	18.70	18.65	19.17	19.71	20.22	21.65
	6H	15.83	16.27	16.89	17.35	18.77	19.01	19.46	20.08	20.54	21.96
	8H	15.83	16.25	16.90	17.32	18.75	19.12	19.54	20.19	20.61	22.04
	12H	15.79	16.17	16.88	17.25	18.69	19.18	19.56	20.26	20.64	22.08
8H	4H	16.15	16.57	17.22	17.64	19.07	18.77	19.19	19.84	20.26	21.69
	6H	16.41	16.76	17.50	17.87	19.30	19.21	19.55	20.30	20.66	22.09
	8H	16.46	16.76	17.55	17.85	19.30	19.36	19.66	20.45	20.76	22.21
	12H	16.44	16.70	17.54	17.79	19.28	19.46	19.72	20.56	20.81	22.30
12H	4H	16.16	16.54	17.24	17.62	19.06	18.73	19.11	19.82	20.19	21.63
	6H	16.47	16.78	17.57	17.87	19.32	19.20	19.51	20.30	20.60	22.05
	8H	16.54	16.81	17.64	17.89	19.38	19.36	19.63	20.46	20.72	22.21