

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: P935117

Luminaire Tested: SQ4-FA-100U-075D-840-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935117
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-840-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

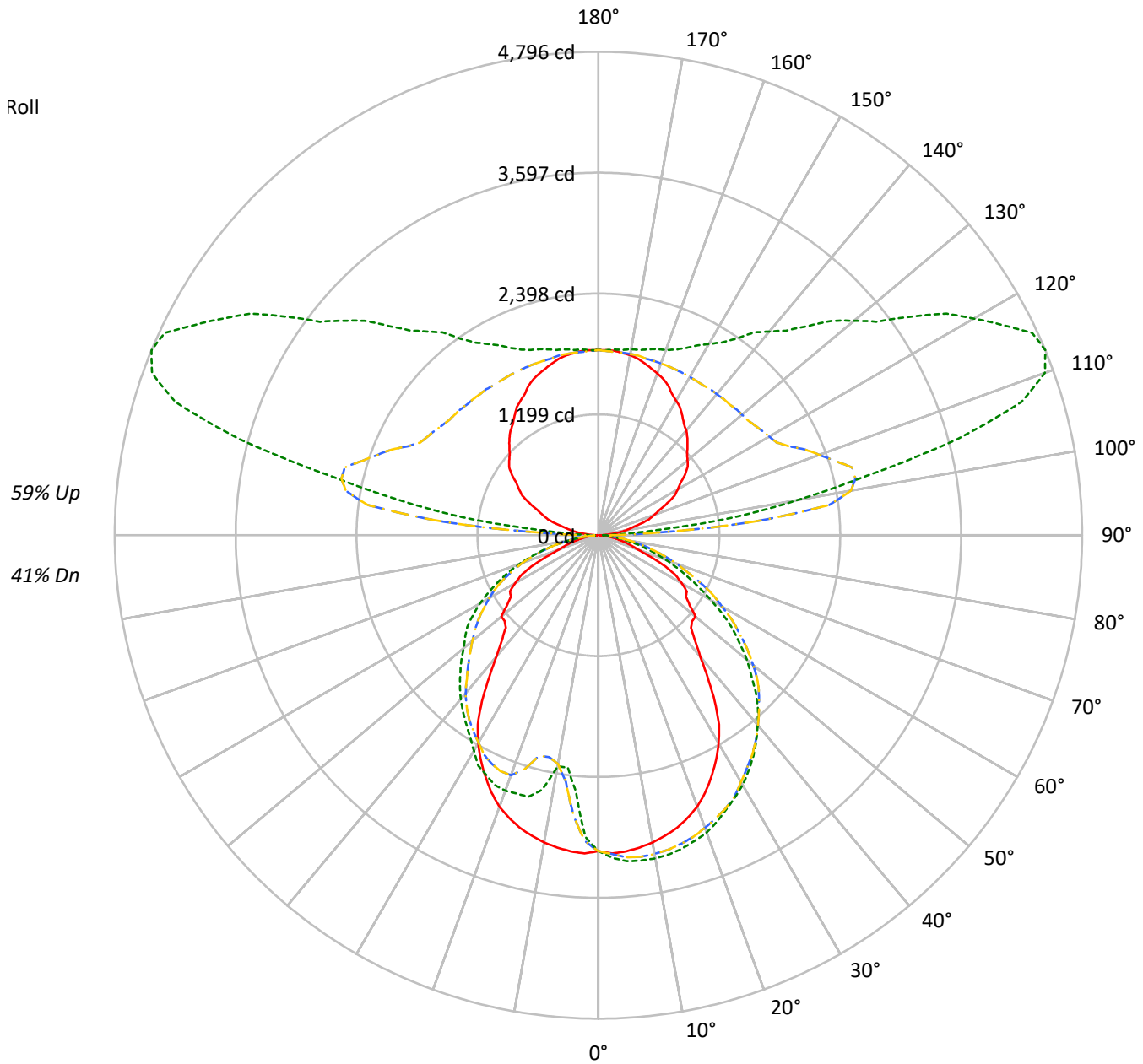
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20038.6 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: 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				
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°	9691	9691	9691	9691
5°	9767	9782	9767	7692
10°	9705	9636	9705	6889
15°	9603	9427	9603	7872
20°	9406	9180	9406	7888
25°	8999	8819	8999	7721
30°	8471	8520	8471	7354
35°	7555	8141	7555	6951
40°	6299	7695	6299	6646
45°	5632	7173	5632	6296
50°	5988	6550	5988	5944
55°	5639	5879	5639	5740
60°	5820	4993	5820	5258
65°	5286	4128	5286	4614
70°	3669	3290	3669	3868
75°	3229	2432	3229	2912
80°	2621	1608	2621	1751
85°	1536	852	1536	724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8626 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.8	1.4
10°-20°	803.0	4.0
20°-30°	1241.3	6.2
30°-40°	1481.8	7.4
40°-50°	1490.4	7.4
50°-60°	1296.9	6.5
60°-70°	919.5	4.6
70°-80°	486.5	2.4
80°-90°	128.2	0.6
90°-100°	895.4	4.5
100°-110°	2354.1	11.7
110°-120°	2441.0	12.2
120°-130°	1958.0	9.8
130°-140°	1536.3	7.7
140°-150°	1179.2	5.9
150°-160°	849.2	4.2
160°-170°	519.6	2.6
170°-180°	175.5	0.9
0°-30°	2327.0	11.6
0°-40°	3808.8	19.0
0°-60°	6596.1	32.9
0°-90°	8130.3	40.6
90°-120°	5690.5	28.4
90°-150°	10364.0	51.7
90°-180°	11908.0	59.4
0°-180°	20038.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3133	3133	3133	3133	3133	
5°	3148	3246	3148	2552	3148	299
15°	3006	3216	3006	2686	3006	846
25°	2647	3000	2647	2626	2647	1215
35°	2013	2677	2013	2285	2013	1245
45°	1298	2205	1298	1936	1298	1040
55°	1058	1627	1058	1589	1058	972
65°	735	981	735	1097	735	703
75°	279	465	279	557	279	293
85°	47	119	47	101	47	64
90°	12	47	12	47	12	12
95°	118	541	118	541	118	131
105°	424	3686	424	3686	424	450
115°	753	4746	753	4746	753	744
125°	1048	3780	1048	3780	1048	930
135°	1249	2933	1249	2933	1249	966
145°	1449	2379	1449	2379	1449	908
155°	1637	2049	1637	2049	1637	752
165°	1767	1908	1767	1908	1767	499
175°	1837	1849	1837	1849	1837	174
180°	1837	1837	1837	1837	1837	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3159.7	3159.7	3177.5	3183.4	3183.4	3174.5	3165.7	3174.5	3201.2	3210.1	3207.1
5°	3147.9	3171.6	3204.2	3210.1	3216.0	3213.1	3207.1	3213.1	3242.7	3248.6	3251.6
7.5°	3124.2	3168.6	3210.1	3219.0	3227.9	3219.0	3216.0	3222.0	3251.6	3257.5	3257.5
10°	3094.5	3156.8	3204.2	3210.1	3219.0	3210.1	3210.1	3222.0	3251.6	3257.5	3260.5
12.5°	3053.0	3139.0	3183.4	3189.4	3201.2	3198.3	3195.3	3207.1	3236.8	3242.7	3242.7
15°	3005.6	3106.4	3147.9	3153.8	3174.5	3168.6	3168.6	3180.5	3213.1	3222.0	3219.0
17.5°	2940.4	3064.9	3112.3	3121.2	3136.0	3133.0	3136.0	3147.9	3177.5	3183.4	3186.4
20°	2866.3	3008.6	3064.9	3073.8	3088.6	3088.6	3088.6	3103.4	3133.0	3144.9	3144.9
22.5°	2765.5	2949.3	3008.6	3014.5	3032.3	3032.3	3038.2	3058.9	3085.6	3088.6	3088.6
25°	2647.0	2884.1	2934.5	2952.2	2970.0	2978.9	2987.8	2999.7	3008.6	3005.6	3008.6
27.5°	2522.4	2801.1	2866.3	2878.1	2901.9	2910.7	2922.6	2925.6	2928.5	2937.4	2931.5
30°	2383.1	2685.5	2783.3	2795.2	2833.7	2839.6	2827.8	2833.7	2848.5	2854.4	2860.4
32.5°	2226.0	2513.5	2697.3	2724.0	2759.6	2741.8	2738.8	2747.7	2771.4	2771.4	2777.4
35°	2012.6	2380.1	2617.3	2641.0	2667.7	2647.0	2658.8	2661.8	2676.6	2685.5	2682.5
37.5°	1778.4	2264.5	2534.2	2552.0	2572.8	2546.1	2563.9	2572.8	2584.6	2578.7	2578.7
40°	1570.9	2083.7	2436.4	2448.3	2466.0	2445.3	2463.1	2469.0	2474.9	2469.0	2466.0
42.5°	1416.8	1885.1	2332.7	2347.5	2335.6	2350.5	2356.4	2368.2	2359.3	2347.5	2347.5
45°	1298.2	1831.8	2220.0	2237.8	2220.0	2243.7	2252.6	2252.6	2226.0	2220.0	2217.1
47.5°	1259.7	1725.0	2107.4	2107.4	2098.5	2128.2	2143.0	2122.2	2095.5	2086.7	2086.7
50°	1256.7	1606.5	1953.3	1941.4	1982.9	2018.5	2003.7	1982.9	1962.2	1929.6	1929.6
52.5°	1141.1	1461.3	1754.7	1799.1	1864.4	1885.1	1861.4	1840.6	1805.1	1790.3	1778.4
55°	1058.1	1310.1	1573.9	1662.8	1731.0	1757.7	1713.2	1692.4	1639.1	1630.2	1624.3
57.5°	1040.4	1090.8	1407.9	1520.5	1603.5	1600.6	1573.9	1535.4	1490.9	1482.0	1479.0
60°	954.4	788.4	1230.1	1363.4	1449.4	1440.5	1416.8	1381.2	1339.7	1333.8	1327.9
62.5°	865.5	572.1	1028.5	1179.7	1301.2	1298.2	1277.5	1224.1	1194.5	1179.7	1167.8
65°	735.1	480.2	732.1	981.1	1156.0	1161.9	1117.4	1078.9	1046.3	1028.5	1025.5
67.5°	560.2	391.2	495.0	818.1	1016.7	1010.7	954.4	936.6	895.1	886.2	868.5
70°	415.0	260.8	343.8	663.9	880.3	865.5	821.0	800.3	761.7	741.0	729.1
72.5°	343.8	210.4	251.9	515.7	741.0	723.2	684.7	661.0	628.4	610.6	598.7
75°	278.6	222.3	192.7	382.4	601.7	589.8	554.3	530.6	503.9	480.2	483.1
77.5°	204.5	207.5	154.1	281.6	477.2	459.4	438.7	409.0	397.2	373.5	373.5
80°	154.1	163.0	115.6	192.7	343.8	343.8	326.0	305.3	284.5	272.7	272.7
82.5°	103.7	103.7	86.0	121.5	234.2	225.3	213.4	207.5	195.6	189.7	189.7
85°	47.4	59.3	53.4	74.1	127.5	133.4	133.4	127.5	124.5	118.6	121.5
87.5°	14.8	26.7	32.6	41.5	65.2	68.2	71.1	71.1	71.1	74.1	74.1
90°	12.4	22.2	32.0	34.5	54.2	80.5	93.7	83.3	62.4	46.8	46.8
92.5°	49.3	133.1	217.0	237.9	334.5	463.3	527.7	462.5	332.1	234.3	225.0
95°	118.4	271.8	425.2	463.6	823.1	1302.6	1542.3	1376.3	1044.2	795.1	766.9
97.5°	204.6	340.0	475.3	509.2	1108.7	1908.1	2307.9	2202.9	1993.1	1835.7	1782.1
100°	271.2	393.9	516.6	547.4	1212.7	2099.8	2543.4	2551.1	2566.4	2577.9	2514.0
102.5°	327.9	442.4	556.9	585.6	1260.4	2160.2	2610.0	2743.7	3011.0	3211.6	3156.8
105°	424.1	521.1	618.1	642.3	1295.8	2167.0	2602.6	2902.3	3501.8	3951.3	3921.9
107.5°	522.8	613.2	703.6	726.2	1302.3	2070.5	2454.6	2872.7	3708.9	4335.9	4343.1
110°	589.3	671.0	752.6	773.0	1292.4	1985.0	2331.3	2798.7	3733.5	4434.5	4465.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	654.6	732.5	810.3	829.7	1292.9	1910.4	2219.1	2697.5	3654.2	4371.7	4418.8
115°	753.3	825.1	896.8	914.8	1304.8	1824.7	2084.8	2545.6	3467.2	4158.4	4223.7
117.5°	850.7	915.9	981.1	997.4	1329.1	1771.2	1992.3	2408.2	3239.9	3863.8	3936.2
120°	907.4	968.7	1030.2	1045.5	1348.8	1753.2	1955.4	2335.3	3095.3	3665.3	3735.7
122.5°	962.9	1024.9	1086.7	1102.2	1377.2	1743.7	1927.0	2269.1	2953.5	3466.8	3536.2
125°	1048.0	1104.4	1160.8	1174.9	1415.3	1735.9	1896.2	2186.8	2768.2	3204.2	3268.1
127.5°	1116.9	1173.9	1230.9	1245.2	1453.5	1731.4	1870.3	2119.9	2619.0	2993.3	3047.3
130°	1154.0	1215.3	1276.7	1292.0	1481.5	1734.1	1860.4	2082.6	2527.0	2860.3	2910.2
132.5°	1192.2	1253.6	1314.9	1330.2	1504.0	1735.8	1851.7	2050.6	2448.5	2746.8	2791.5
135°	1248.9	1304.8	1360.7	1374.6	1528.7	1734.2	1837.0	2003.6	2336.6	2586.5	2625.0
137.5°	1306.8	1362.2	1417.5	1431.3	1565.7	1744.9	1834.5	1975.3	2257.0	2468.2	2499.7
140°	1354.9	1405.9	1456.8	1469.6	1588.3	1746.7	1825.8	1947.4	2190.8	2373.3	2402.7
142.5°	1391.9	1439.0	1486.1	1497.9	1607.2	1752.9	1825.8	1932.7	2146.4	2306.7	2332.0
145°	1448.6	1489.7	1530.8	1541.1	1631.9	1753.0	1813.6	1900.9	2075.7	2206.8	2226.0
147.5°	1505.3	1545.3	1585.3	1595.3	1668.0	1765.1	1813.6	1882.3	2019.9	2123.0	2138.9
150°	1542.3	1578.4	1614.6	1623.7	1687.0	1771.4	1813.6	1871.7	1987.8	2074.9	2087.7
152.5°	1580.5	1607.9	1635.3	1642.2	1699.3	1775.4	1813.6	1863.2	1962.3	2036.7	2046.3
155°	1637.2	1657.5	1677.8	1682.9	1726.4	1784.5	1813.6	1853.0	1931.8	1991.0	1997.4
157.5°	1679.1	1698.9	1718.6	1723.6	1753.6	1793.6	1813.6	1844.2	1905.6	1951.6	1956.1
160°	1707.5	1722.9	1738.2	1742.0	1765.9	1797.7	1813.6	1839.9	1892.4	1931.8	1934.4
162.5°	1735.8	1747.3	1758.8	1761.7	1779.0	1802.0	1813.6	1835.7	1880.1	1913.4	1915.8
165°	1766.6	1777.0	1787.5	1790.1	1797.9	1808.3	1813.6	1829.5	1861.2	1885.0	1887.6
167.5°	1795.0	1799.9	1804.9	1806.2	1812.7	1821.5	1825.8	1836.3	1857.1	1872.8	1873.8
170°	1813.6	1818.5	1823.5	1824.6	1825.0	1825.5	1825.8	1836.3	1857.1	1872.8	1872.8
172.5°	1823.4	1824.4	1825.5	1825.8	1825.8	1825.8	1825.8	1834.0	1850.5	1862.9	1861.9
175°	1837.0	1837.0	1837.0	1837.0	1833.2	1828.3	1825.8	1831.1	1841.4	1849.2	1849.2
177.5°	1837.0	1837.0	1837.0	1837.0	1834.1	1830.3	1828.3	1832.4	1840.6	1846.8	1845.7
180°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3213.1	3204.2	3213.1	3207.1	3210.1	3201.2	3174.5	3165.7	3174.5	3183.4	3183.4
5°	3251.6	3245.7	3251.6	3251.6	3248.6	3242.7	3213.1	3207.1	3213.1	3216.0	3210.1
7.5°	3263.5	3254.6	3263.5	3257.5	3257.5	3251.6	3222.0	3216.0	3219.0	3227.9	3219.0
10°	3263.5	3254.6	3263.5	3260.5	3257.5	3251.6	3222.0	3210.1	3210.1	3219.0	3210.1
12.5°	3248.6	3242.7	3248.6	3242.7	3242.7	3236.8	3207.1	3195.3	3198.3	3201.2	3189.4
15°	3224.9	3216.0	3224.9	3219.0	3222.0	3213.1	3180.5	3168.6	3168.6	3174.5	3153.8
17.5°	3189.4	3177.5	3189.4	3186.4	3183.4	3177.5	3147.9	3136.0	3133.0	3136.0	3121.2
20°	3147.9	3139.0	3147.9	3144.9	3144.9	3133.0	3103.4	3088.6	3088.6	3088.6	3073.8
22.5°	3082.7	3073.8	3082.7	3088.6	3088.6	3085.6	3058.9	3038.2	3032.3	3032.3	3014.5
25°	3008.6	2999.7	3008.6	3008.6	3005.6	3008.6	2999.7	2987.8	2978.9	2970.0	2952.2
27.5°	2937.4	2931.5	2937.4	2931.5	2937.4	2928.5	2925.6	2922.6	2910.7	2901.9	2878.1
30°	2866.3	2860.4	2866.3	2860.4	2854.4	2848.5	2833.7	2827.8	2839.6	2833.7	2795.2
32.5°	2777.4	2771.4	2777.4	2777.4	2771.4	2771.4	2747.7	2738.8	2741.8	2759.6	2724.0
35°	2685.5	2676.6	2685.5	2682.5	2685.5	2676.6	2661.8	2658.8	2647.0	2667.7	2641.0
37.5°	2578.7	2569.8	2578.7	2578.7	2578.7	2584.6	2572.8	2563.9	2546.1	2572.8	2552.0
40°	2469.0	2457.2	2469.0	2466.0	2469.0	2474.9	2469.0	2463.1	2445.3	2466.0	2448.3
42.5°	2344.5	2341.6	2344.5	2347.5	2347.5	2359.3	2368.2	2356.4	2350.5	2335.6	2347.5
45°	2211.1	2205.2	2211.1	2217.1	2220.0	2226.0	2252.6	2252.6	2243.7	2220.0	2237.8
47.5°	2068.9	2054.1	2068.9	2086.7	2086.7	2095.5	2122.2	2143.0	2128.2	2098.5	2107.4
50°	1917.7	1920.7	1917.7	1929.6	1929.6	1962.2	1982.9	2003.7	2018.5	1982.9	1941.4
52.5°	1769.5	1766.5	1769.5	1778.4	1790.3	1805.1	1840.6	1861.4	1885.1	1864.4	1799.1
55°	1621.3	1627.2	1621.3	1624.3	1630.2	1639.1	1692.4	1713.2	1757.7	1731.0	1662.8
57.5°	1473.1	1464.2	1473.1	1479.0	1482.0	1490.9	1535.4	1573.9	1600.6	1603.5	1520.5
60°	1301.2	1289.3	1301.2	1327.9	1333.8	1339.7	1381.2	1416.8	1440.5	1449.4	1363.4
62.5°	1150.0	1129.3	1150.0	1167.8	1179.7	1194.5	1224.1	1277.5	1298.2	1301.2	1179.7
65°	990.0	981.1	990.0	1025.5	1028.5	1046.3	1078.9	1117.4	1161.9	1156.0	981.1
67.5°	844.7	844.7	844.7	868.5	886.2	895.1	936.6	954.4	1010.7	1016.7	818.1
70°	711.4	708.4	711.4	729.1	741.0	761.7	800.3	821.0	865.5	880.3	663.9
72.5°	583.9	580.9	583.9	598.7	610.6	628.4	661.0	684.7	723.2	741.0	515.7
75°	471.3	465.3	471.3	483.1	480.2	503.9	530.6	554.3	589.8	601.7	382.4
77.5°	361.6	361.6	361.6	373.5	373.5	397.2	409.0	438.7	459.4	477.2	281.6
80°	269.7	266.8	269.7	272.7	272.7	284.5	305.3	326.0	343.8	343.8	192.7
82.5°	189.7	183.8	189.7	189.7	189.7	195.6	207.5	213.4	225.3	234.2	121.5
85°	118.6	118.6	118.6	121.5	118.6	124.5	127.5	133.4	133.4	127.5	74.1
87.5°	77.1	74.1	77.1	74.1	74.1	71.1	71.1	71.1	68.2	65.2	41.5
90°	46.8	46.8	46.8	46.8	46.8	62.4	83.3	93.7	80.5	54.2	34.5
92.5°	187.6	150.4	187.6	225.0	234.3	332.1	462.5	527.7	463.3	334.5	237.9
95°	654.1	541.2	654.1	766.9	795.1	1044.2	1376.3	1542.3	1302.6	823.1	463.6
97.5°	1567.3	1352.5	1567.3	1782.1	1835.7	1993.1	2202.9	2307.9	1908.1	1108.7	509.2
100°	2258.1	2002.2	2258.1	2514.0	2577.9	2566.4	2551.1	2543.4	2099.8	1212.7	547.4
102.5°	2937.6	2718.5	2937.6	3156.8	3211.6	3011.0	2743.7	2610.0	2160.2	1260.4	585.6
105°	3804.0	3686.2	3804.0	3921.9	3951.3	3501.8	2902.3	2602.6	2167.0	1295.8	642.3
107.5°	4371.6	4400.1	4371.6	4343.1	4335.9	3708.9	2872.7	2454.6	2070.5	1302.3	726.2
110°	4588.0	4710.8	4588.0	4465.3	4434.5	3733.5	2798.7	2331.3	1985.0	1292.4	773.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4607.3	4795.9	4607.3	4418.8	4371.7	3654.2	2697.5	2219.1	1910.4	1292.9	829.7
115°	4485.1	4746.5	4485.1	4223.7	4158.4	3467.2	2545.6	2084.8	1824.7	1304.8	914.8
117.5°	4226.1	4516.0	4226.1	3936.2	3863.8	3239.9	2408.2	1992.3	1771.2	1329.1	997.4
120°	4017.3	4299.0	4017.3	3735.7	3665.3	3095.3	2335.3	1955.4	1753.2	1348.8	1045.5
122.5°	3814.0	4091.8	3814.0	3536.2	3466.8	2953.5	2269.1	1927.0	1743.7	1377.2	1102.2
125°	3524.0	3779.9	3524.0	3268.1	3204.2	2768.2	2186.8	1896.2	1735.9	1415.3	1174.9
127.5°	3263.3	3479.1	3263.3	3047.3	2993.3	2619.0	2119.9	1870.3	1731.4	1453.5	1245.2
130°	3109.5	3309.0	3109.5	2910.2	2860.3	2527.0	2082.6	1860.4	1734.1	1481.5	1292.0
132.5°	2970.1	3148.8	2970.1	2791.5	2746.8	2448.5	2050.6	1851.7	1735.8	1504.0	1330.2
135°	2778.9	2933.0	2778.9	2625.0	2586.5	2336.6	2003.6	1837.0	1734.2	1528.7	1374.6
137.5°	2625.7	2751.8	2625.7	2499.7	2468.2	2257.0	1975.3	1834.5	1744.9	1565.7	1431.3
140°	2520.6	2638.4	2520.6	2402.7	2373.3	2190.8	1947.4	1825.8	1746.7	1588.3	1469.6
142.5°	2433.3	2534.7	2433.3	2332.0	2306.7	2146.4	1932.7	1825.8	1752.9	1607.2	1497.9
145°	2302.7	2379.4	2302.7	2226.0	2206.8	2075.7	1900.9	1813.6	1753.0	1631.9	1541.1
147.5°	2202.4	2266.0	2202.4	2138.9	2123.0	2019.9	1882.3	1813.6	1765.1	1668.0	1595.3
150°	2139.3	2190.8	2139.3	2087.7	2074.9	1987.8	1871.7	1813.6	1771.4	1687.0	1623.7
152.5°	2085.3	2124.2	2085.3	2046.3	2036.7	1962.3	1863.2	1813.6	1775.4	1699.3	1642.2
155°	2023.2	2049.0	2023.2	1997.4	1991.0	1931.8	1853.0	1813.6	1784.5	1726.4	1682.9
157.5°	1974.2	1992.3	1974.2	1956.1	1951.6	1905.6	1844.2	1813.6	1793.6	1753.6	1723.6
160°	1944.9	1955.4	1944.9	1934.4	1931.8	1892.4	1839.9	1813.6	1797.7	1765.9	1742.0
162.5°	1925.7	1935.6	1925.7	1915.8	1913.4	1880.1	1835.7	1813.6	1802.0	1779.0	1761.7
165°	1898.0	1908.4	1898.0	1887.6	1885.0	1861.2	1829.5	1813.6	1808.3	1797.9	1790.1
167.5°	1878.2	1882.5	1878.2	1873.8	1872.8	1857.1	1836.3	1825.8	1821.5	1812.7	1806.2
170°	1872.8	1872.8	1872.8	1872.8	1872.8	1857.1	1836.3	1825.8	1825.5	1825.0	1824.6
172.5°	1858.0	1854.2	1858.0	1861.9	1862.9	1850.5	1834.0	1825.8	1825.8	1825.8	1825.8
175°	1849.2	1849.2	1849.2	1849.2	1849.2	1841.4	1831.1	1825.8	1828.3	1833.2	1837.0
177.5°	1841.3	1837.0	1841.3	1845.7	1846.8	1840.6	1832.4	1828.3	1830.3	1834.1	1837.0
180°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3177.5	3159.7	3159.7	3130.1	3118.2	3109.3	3094.5	3050.1	3038.2	3026.3	3044.1
5°	3204.2	3171.6	3147.9	3094.5	3050.1	3032.3	2976.0	2869.3	2798.1	2744.8	2715.1
7.5°	3210.1	3168.6	3124.2	3041.2	2934.5	2887.0	2715.1	2519.4	2466.0	2418.6	2389.0
10°	3204.2	3156.8	3094.5	2970.0	2718.1	2635.1	2463.1	2335.6	2303.0	2294.1	2303.0
12.5°	3183.4	3139.0	3053.0	2845.5	2492.7	2436.4	2335.6	2261.5	2255.6	2270.4	2350.5
15°	3147.9	3106.4	3005.6	2679.6	2368.2	2326.7	2255.6	2228.9	2261.5	2365.3	2605.4
17.5°	3112.3	3064.9	2940.4	2516.4	2273.4	2243.7	2193.4	2246.7	2430.5	2569.8	2649.9
20°	3064.9	3008.6	2866.3	2397.9	2205.2	2178.5	2154.8	2394.9	2534.2	2584.6	2629.2
22.5°	3008.6	2949.3	2765.5	2314.9	2134.1	2113.3	2128.2	2477.9	2534.2	2569.8	2608.3
25°	2934.5	2884.1	2647.0	2249.7	2077.8	2054.1	2110.4	2469.0	2501.6	2510.5	2587.6
27.5°	2866.3	2801.1	2522.4	2190.4	2009.6	2000.7	2125.2	2430.5	2454.2	2463.1	2546.1
30°	2783.3	2685.5	2383.1	2128.2	1938.5	1935.5	2128.2	2383.1	2377.1	2400.8	2483.8
32.5°	2697.3	2513.5	2226.0	2051.1	1870.3	1867.3	2107.4	2311.9	2306.0	2338.6	2400.8
35°	2617.3	2380.1	2012.6	1962.2	1784.3	1787.3	2057.0	2228.9	2231.9	2261.5	2300.1
37.5°	2534.2	2264.5	1778.4	1864.4	1701.3	1701.3	1988.8	2151.9	2145.9	2154.8	2208.2
40°	2436.4	2083.7	1570.9	1736.9	1624.3	1615.4	1905.9	2068.9	2048.1	2045.2	2119.3
42.5°	2332.7	1885.1	1416.8	1568.0	1535.4	1523.5	1805.1	1968.1	1929.6	1938.5	2033.3
45°	2220.0	1831.8	1298.2	1324.9	1443.5	1434.6	1695.4	1852.5	1825.8	1849.5	1947.3
47.5°	2107.4	1725.0	1259.7	1099.6	1345.7	1342.7	1573.9	1739.9	1725.0	1748.8	1852.5
50°	1953.3	1606.5	1256.7	942.6	1236.0	1247.8	1428.6	1630.2	1630.2	1650.9	1760.6
52.5°	1754.7	1461.3	1141.1	853.6	1108.5	1144.1	1301.2	1535.4	1541.3	1562.0	1659.8
55°	1573.9	1310.1	1058.1	785.5	957.4	1034.4	1176.7	1437.5	1449.4	1470.1	1559.1
57.5°	1407.9	1090.8	1040.4	705.4	818.1	892.2	1067.0	1342.7	1348.6	1366.4	1452.4
60°	1230.1	788.4	954.4	619.5	696.5	752.9	966.3	1230.1	1250.8	1262.7	1336.8
62.5°	1028.5	572.1	865.5	560.2	637.3	649.1	883.3	1123.4	1150.0	1158.9	1203.4
65°	732.1	480.2	735.1	509.8	575.0	578.0	794.4	1013.7	1037.4	1052.2	1084.8
67.5°	495.0	391.2	560.2	462.4	527.6	530.6	708.4	886.2	918.8	930.7	951.4
70°	343.8	260.8	415.0	412.0	474.2	480.2	616.5	770.6	800.3	809.2	821.0
72.5°	251.9	210.4	343.8	370.5	417.9	423.9	521.7	640.2	669.9	678.8	684.7
75°	192.7	222.3	278.6	323.1	355.7	358.6	426.8	521.7	542.4	548.3	551.3
77.5°	154.1	207.5	204.5	260.8	290.5	284.5	334.9	403.1	420.9	420.9	420.9
80°	115.6	163.0	154.1	186.7	213.4	207.5	240.1	287.5	293.4	299.4	296.4
82.5°	86.0	103.7	103.7	118.6	142.3	136.3	160.1	186.7	186.7	186.7	192.7
85°	53.4	59.3	47.4	62.2	80.0	77.1	88.9	100.8	103.7	103.7	97.8
87.5°	32.6	26.7	14.8	23.7	35.6	35.6	41.5	44.5	41.5	41.5	41.5
90°	32.0	22.2	12.4	22.2	32.0	34.5	54.2	80.5	93.7	83.3	62.4
92.5°	217.0	133.1	49.3	133.1	217.0	237.9	334.5	463.3	527.7	462.5	332.1
95°	425.2	271.8	118.4	271.8	425.2	463.6	823.1	1302.6	1542.3	1376.3	1044.2
97.5°	475.3	340.0	204.6	340.0	475.3	509.2	1108.7	1908.1	2307.9	2202.9	1993.1
100°	516.6	393.9	271.2	393.9	516.6	547.4	1212.7	2099.8	2543.4	2551.1	2566.4
102.5°	556.9	442.4	327.9	442.4	556.9	585.6	1260.4	2160.2	2610.0	2743.7	3011.0
105°	618.1	521.1	424.1	521.1	618.1	642.3	1295.8	2167.0	2602.6	2902.3	3501.8
107.5°	703.6	613.2	522.8	613.2	703.6	726.2	1302.3	2070.5	2454.6	2872.7	3708.9
110°	752.6	671.0	589.3	671.0	752.6	773.0	1292.4	1985.0	2331.3	2798.7	3733.5



TEST NUMBER: P935117

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	810.3	732.5	654.6	732.5	810.3	829.7	1292.9	1910.4	2219.1	2697.5	3654.2
115°	896.8	825.1	753.3	825.1	896.8	914.8	1304.8	1824.7	2084.8	2545.6	3467.2
117.5°	981.1	915.9	850.7	915.9	981.1	997.4	1329.1	1771.2	1992.3	2408.2	3239.9
120°	1030.2	968.7	907.4	968.7	1030.2	1045.5	1348.8	1753.2	1955.4	2335.3	3095.3
122.5°	1086.7	1024.9	962.9	1024.9	1086.7	1102.2	1377.2	1743.7	1927.0	2269.1	2953.5
125°	1160.8	1104.4	1048.0	1104.4	1160.8	1174.9	1415.3	1735.9	1896.2	2186.8	2768.2
127.5°	1230.9	1173.9	1116.9	1173.9	1230.9	1245.2	1453.5	1731.4	1870.3	2119.9	2619.0
130°	1276.7	1215.3	1154.0	1215.3	1276.7	1292.0	1481.5	1734.1	1860.4	2082.6	2527.0
132.5°	1314.9	1253.6	1192.2	1253.6	1314.9	1330.2	1504.0	1735.8	1851.7	2050.6	2448.5
135°	1360.7	1304.8	1248.9	1304.8	1360.7	1374.6	1528.7	1734.2	1837.0	2003.6	2336.6
137.5°	1417.5	1362.2	1306.8	1362.2	1417.5	1431.3	1565.7	1744.9	1834.5	1975.3	2257.0
140°	1456.8	1405.9	1354.9	1405.9	1456.8	1469.6	1588.3	1746.7	1825.8	1947.4	2190.8
142.5°	1486.1	1439.0	1391.9	1439.0	1486.1	1497.9	1607.2	1752.9	1825.8	1932.7	2146.4
145°	1530.8	1489.7	1448.6	1489.7	1530.8	1541.1	1631.9	1753.0	1813.6	1900.9	2075.7
147.5°	1585.3	1545.3	1505.3	1545.3	1585.3	1595.3	1668.0	1765.1	1813.6	1882.3	2019.9
150°	1614.6	1578.4	1542.3	1578.4	1614.6	1623.7	1687.0	1771.4	1813.6	1871.7	1987.8
152.5°	1635.3	1607.9	1580.5	1607.9	1635.3	1642.2	1699.3	1775.4	1813.6	1863.2	1962.3
155°	1677.8	1657.5	1637.2	1657.5	1677.8	1682.9	1726.4	1784.5	1813.6	1853.0	1931.8
157.5°	1718.6	1698.9	1679.1	1698.9	1718.6	1723.6	1753.6	1793.6	1813.6	1844.2	1905.6
160°	1738.2	1722.9	1707.5	1722.9	1738.2	1742.0	1765.9	1797.7	1813.6	1839.9	1892.4
162.5°	1758.8	1747.3	1735.8	1747.3	1758.8	1761.7	1779.0	1802.0	1813.6	1835.7	1880.1
165°	1787.5	1777.0	1766.6	1777.0	1787.5	1790.1	1797.9	1808.3	1813.6	1829.5	1861.2
167.5°	1804.9	1799.9	1795.0	1799.9	1804.9	1806.2	1812.7	1821.5	1825.8	1836.3	1857.1
170°	1823.5	1818.5	1813.6	1818.5	1823.5	1824.6	1825.0	1825.5	1825.8	1836.3	1857.1
172.5°	1825.5	1824.4	1823.4	1824.4	1825.5	1825.8	1825.8	1825.8	1825.8	1834.0	1850.5
175°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1833.2	1828.3	1825.8	1831.1	1841.4
177.5°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1834.1	1830.3	1828.3	1832.4	1840.6
180°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3023.4	3014.5	3026.3	2993.7	3026.3	3014.5	3023.4	3044.1	3026.3	3038.2	3050.1
5°	2652.9	2638.1	2590.5	2552.0	2590.5	2638.1	2652.9	2715.1	2744.8	2798.1	2869.3
7.5°	2371.2	2359.3	2347.5	2323.8	2347.5	2359.3	2371.2	2389.0	2418.6	2466.0	2519.4
10°	2309.0	2311.9	2329.7	2326.7	2329.7	2311.9	2309.0	2303.0	2294.1	2303.0	2335.6
12.5°	2469.0	2495.7	2593.5	2587.6	2593.5	2495.7	2469.0	2350.5	2270.4	2255.6	2261.5
15°	2652.9	2661.8	2682.5	2685.5	2682.5	2661.8	2652.9	2605.4	2365.3	2261.5	2228.9
17.5°	2670.7	2673.6	2688.4	2688.4	2688.4	2673.6	2670.7	2649.9	2569.8	2430.5	2246.7
20°	2655.8	2661.8	2691.4	2697.3	2691.4	2661.8	2655.8	2629.2	2584.6	2534.2	2394.9
22.5°	2649.9	2661.8	2685.5	2682.5	2685.5	2661.8	2649.9	2608.3	2569.8	2534.2	2477.9
25°	2620.3	2620.3	2623.2	2626.2	2623.2	2620.3	2620.3	2587.6	2510.5	2501.6	2469.0
27.5°	2557.9	2563.9	2581.6	2578.7	2581.6	2563.9	2557.9	2546.1	2463.1	2454.2	2430.5
30°	2501.6	2495.7	2480.9	2469.0	2480.9	2495.7	2501.6	2483.8	2400.8	2377.1	2383.1
32.5°	2406.8	2391.9	2377.1	2368.2	2377.1	2391.9	2406.8	2400.8	2338.6	2306.0	2311.9
35°	2294.1	2297.1	2294.1	2285.2	2294.1	2297.1	2294.1	2300.1	2261.5	2231.9	2228.9
37.5°	2214.1	2220.0	2217.1	2205.2	2217.1	2220.0	2214.1	2208.2	2154.8	2145.9	2151.9
40°	2131.1	2134.1	2131.1	2122.2	2131.1	2134.1	2131.1	2119.3	2045.2	2048.1	2068.9
42.5°	2051.1	2048.1	2039.2	2033.3	2039.2	2048.1	2051.1	2033.3	1938.5	1929.6	1968.1
45°	1959.2	1962.2	1944.4	1935.5	1944.4	1962.2	1959.2	1947.3	1849.5	1825.8	1852.5
47.5°	1867.3	1867.3	1852.5	1843.6	1852.5	1867.3	1867.3	1852.5	1748.8	1725.0	1739.9
50°	1769.5	1766.5	1745.8	1742.8	1745.8	1766.5	1769.5	1760.6	1650.9	1630.2	1630.2
52.5°	1656.9	1656.9	1659.8	1665.8	1659.8	1656.9	1656.9	1659.8	1562.0	1541.3	1535.4
55°	1559.1	1562.0	1582.8	1588.7	1582.8	1562.0	1559.1	1559.1	1470.1	1449.4	1437.5
57.5°	1458.3	1458.3	1473.1	1473.1	1473.1	1458.3	1458.3	1452.4	1366.4	1348.6	1342.7
60°	1342.7	1348.6	1360.5	1357.5	1360.5	1348.6	1342.7	1336.8	1262.7	1250.8	1230.1
62.5°	1221.2	1227.1	1230.1	1224.1	1230.1	1227.1	1221.2	1203.4	1158.9	1150.0	1123.4
65°	1093.7	1099.6	1102.6	1096.7	1102.6	1099.6	1093.7	1084.8	1052.2	1037.4	1013.7
67.5°	963.3	960.3	957.4	969.2	957.4	960.3	963.3	951.4	930.7	918.8	886.2
70°	829.9	829.9	827.0	832.9	827.0	829.9	829.9	821.0	809.2	800.3	770.6
72.5°	687.6	684.7	696.5	687.6	696.5	684.7	687.6	684.7	678.8	669.9	640.2
75°	548.3	554.3	548.3	557.2	548.3	554.3	548.3	551.3	548.3	542.4	521.7
77.5°	417.9	423.9	417.9	417.9	417.9	423.9	417.9	420.9	420.9	420.9	403.1
80°	296.4	293.4	293.4	290.5	293.4	293.4	296.4	296.4	299.4	293.4	287.5
82.5°	189.7	186.7	186.7	192.7	186.7	186.7	189.7	192.7	186.7	186.7	186.7
85°	103.7	106.7	100.8	100.8	100.8	106.7	103.7	97.8	103.7	103.7	100.8
87.5°	38.5	35.6	35.6	35.6	35.6	35.6	38.5	41.5	41.5	41.5	44.5
90°	46.8	46.8	46.8	46.8	46.8	46.8	46.8	62.4	83.3	93.7	80.5
92.5°	234.3	225.0	187.6	150.4	187.6	225.0	234.3	332.1	462.5	527.7	463.3
95°	795.1	766.9	654.1	541.2	654.1	766.9	795.1	1044.2	1376.3	1542.3	1302.6
97.5°	1835.7	1782.1	1567.3	1352.5	1567.3	1782.1	1835.7	1993.1	2202.9	2307.9	1908.1
100°	2577.9	2514.0	2258.1	2002.2	2258.1	2514.0	2577.9	2566.4	2551.1	2543.4	2099.8
102.5°	3211.6	3156.8	2937.6	2718.5	2937.6	3156.8	3211.6	3011.0	2743.7	2610.0	2160.2
105°	3951.3	3921.9	3804.0	3686.2	3804.0	3921.9	3951.3	3501.8	2902.3	2602.6	2167.0
107.5°	4335.9	4343.1	4371.6	4400.1	4371.6	4343.1	4335.9	3708.9	2872.7	2454.6	2070.5
110°	4434.5	4465.3	4588.0	4710.8	4588.0	4465.3	4434.5	3733.5	2798.7	2331.3	1985.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4371.7	4418.8	4607.3	4795.9	4607.3	4418.8	4371.7	3654.2	2697.5	2219.1	1910.4
115°	4158.4	4223.7	4485.1	4746.5	4485.1	4223.7	4158.4	3467.2	2545.6	2084.8	1824.7
117.5°	3863.8	3936.2	4226.1	4516.0	4226.1	3936.2	3863.8	3239.9	2408.2	1992.3	1771.2
120°	3665.3	3735.7	4017.3	4299.0	4017.3	3735.7	3665.3	3095.3	2335.3	1955.4	1753.2
122.5°	3466.8	3536.2	3814.0	4091.8	3814.0	3536.2	3466.8	2953.5	2269.1	1927.0	1743.7
125°	3204.2	3268.1	3524.0	3779.9	3524.0	3268.1	3204.2	2768.2	2186.8	1896.2	1735.9
127.5°	2993.3	3047.3	3263.3	3479.1	3263.3	3047.3	2993.3	2619.0	2119.9	1870.3	1731.4
130°	2860.3	2910.2	3109.5	3309.0	3109.5	2910.2	2860.3	2527.0	2082.6	1860.4	1734.1
132.5°	2746.8	2791.5	2970.1	3148.8	2970.1	2791.5	2746.8	2448.5	2050.6	1851.7	1735.8
135°	2586.5	2625.0	2778.9	2933.0	2778.9	2625.0	2586.5	2336.6	2003.6	1837.0	1734.2
137.5°	2468.2	2499.7	2625.7	2751.8	2625.7	2499.7	2468.2	2257.0	1975.3	1834.5	1744.9
140°	2373.3	2402.7	2520.6	2638.4	2520.6	2402.7	2373.3	2190.8	1947.4	1825.8	1746.7
142.5°	2306.7	2332.0	2433.3	2534.7	2433.3	2332.0	2306.7	2146.4	1932.7	1825.8	1752.9
145°	2206.8	2226.0	2302.7	2379.4	2302.7	2226.0	2206.8	2075.7	1900.9	1813.6	1753.0
147.5°	2123.0	2138.9	2202.4	2266.0	2202.4	2138.9	2123.0	2019.9	1882.3	1813.6	1765.1
150°	2074.9	2087.7	2139.3	2190.8	2139.3	2087.7	2074.9	1987.8	1871.7	1813.6	1771.4
152.5°	2036.7	2046.3	2085.3	2124.2	2085.3	2046.3	2036.7	1962.3	1863.2	1813.6	1775.4
155°	1991.0	1997.4	2023.2	2049.0	2023.2	1997.4	1991.0	1931.8	1853.0	1813.6	1784.5
157.5°	1951.6	1956.1	1974.2	1992.3	1974.2	1956.1	1951.6	1905.6	1844.2	1813.6	1793.6
160°	1931.8	1934.4	1944.9	1955.4	1944.9	1934.4	1931.8	1892.4	1839.9	1813.6	1797.7
162.5°	1913.4	1915.8	1925.7	1935.6	1925.7	1915.8	1913.4	1880.1	1835.7	1813.6	1802.0
165°	1885.0	1887.6	1898.0	1908.4	1898.0	1887.6	1885.0	1861.2	1829.5	1813.6	1808.3
167.5°	1872.8	1873.8	1878.2	1882.5	1878.2	1873.8	1872.8	1857.1	1836.3	1825.8	1821.5
170°	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8	1872.8	1857.1	1836.3	1825.8	1825.5
172.5°	1862.9	1861.9	1858.0	1854.2	1858.0	1861.9	1862.9	1850.5	1834.0	1825.8	1825.8
175°	1849.2	1849.2	1849.2	1849.2	1849.2	1849.2	1849.2	1841.4	1831.1	1825.8	1828.3
177.5°	1846.8	1845.7	1841.3	1837.0	1841.3	1845.7	1846.8	1840.6	1832.4	1828.3	1830.3
180°	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0	1837.0



TEST NUMBER: P935117

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3094.5	3109.3	3118.2	3130.1	3159.7
5°	2976.0	3032.3	3050.1	3094.5	3147.9
7.5°	2715.1	2887.0	2934.5	3041.2	3124.2
10°	2463.1	2635.1	2718.1	2970.0	3094.5
12.5°	2335.6	2436.4	2492.7	2845.5	3053.0
15°	2255.6	2326.7	2368.2	2679.6	3005.6
17.5°	2193.4	2243.7	2273.4	2516.4	2940.4
20°	2154.8	2178.5	2205.2	2397.9	2866.3
22.5°	2128.2	2113.3	2134.1	2314.9	2765.5
25°	2110.4	2054.1	2077.8	2249.7	2647.0
27.5°	2125.2	2000.7	2009.6	2190.4	2522.4
30°	2128.2	1935.5	1938.5	2128.2	2383.1
32.5°	2107.4	1867.3	1870.3	2051.1	2226.0
35°	2057.0	1787.3	1784.3	1962.2	2012.6
37.5°	1988.8	1701.3	1701.3	1864.4	1778.4
40°	1905.9	1615.4	1624.3	1736.9	1570.9
42.5°	1805.1	1523.5	1535.4	1568.0	1416.8
45°	1695.4	1434.6	1443.5	1324.9	1298.2
47.5°	1573.9	1342.7	1345.7	1099.6	1259.7
50°	1428.6	1247.8	1236.0	942.6	1256.7
52.5°	1301.2	1144.1	1108.5	853.6	1141.1
55°	1176.7	1034.4	957.4	785.5	1058.1
57.5°	1067.0	892.2	818.1	705.4	1040.4
60°	966.3	752.9	696.5	619.5	954.4
62.5°	883.3	649.1	637.3	560.2	865.5
65°	794.4	578.0	575.0	509.8	735.1
67.5°	708.4	530.6	527.6	462.4	560.2
70°	616.5	480.2	474.2	412.0	415.0
72.5°	521.7	423.9	417.9	370.5	343.8
75°	426.8	358.6	355.7	323.1	278.6
77.5°	334.9	284.5	290.5	260.8	204.5
80°	240.1	207.5	213.4	186.7	154.1
82.5°	160.1	136.3	142.3	118.6	103.7
85°	88.9	77.1	80.0	62.2	47.4
87.5°	41.5	35.6	35.6	23.7	14.8
90°	54.2	34.5	32.0	22.2	12.4
92.5°	334.5	237.9	217.0	133.1	49.3
95°	823.1	463.6	425.2	271.8	118.4
97.5°	1108.7	509.2	475.3	340.0	204.6
100°	1212.7	547.4	516.6	393.9	271.2
102.5°	1260.4	585.6	556.9	442.4	327.9
105°	1295.8	642.3	618.1	521.1	424.1
107.5°	1302.3	726.2	703.6	613.2	522.8
110°	1292.4	773.0	752.6	671.0	589.3



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CATALOG NUMBER: SQ4-FA-100U-075D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1292.9	829.7	810.3	732.5	654.6
115°	1304.8	914.8	896.8	825.1	753.3
117.5°	1329.1	997.4	981.1	915.9	850.7
120°	1348.8	1045.5	1030.2	968.7	907.4
122.5°	1377.2	1102.2	1086.7	1024.9	962.9
125°	1415.3	1174.9	1160.8	1104.4	1048.0
127.5°	1453.5	1245.2	1230.9	1173.9	1116.9
130°	1481.5	1292.0	1276.7	1215.3	1154.0
132.5°	1504.0	1330.2	1314.9	1253.6	1192.2
135°	1528.7	1374.6	1360.7	1304.8	1248.9
137.5°	1565.7	1431.3	1417.5	1362.2	1306.8
140°	1588.3	1469.6	1456.8	1405.9	1354.9
142.5°	1607.2	1497.9	1486.1	1439.0	1391.9
145°	1631.9	1541.1	1530.8	1489.7	1448.6
147.5°	1668.0	1595.3	1585.3	1545.3	1505.3
150°	1687.0	1623.7	1614.6	1578.4	1542.3
152.5°	1699.3	1642.2	1635.3	1607.9	1580.5
155°	1726.4	1682.9	1677.8	1657.5	1637.2
157.5°	1753.6	1723.6	1718.6	1698.9	1679.1
160°	1765.9	1742.0	1738.2	1722.9	1707.5
162.5°	1779.0	1761.7	1758.8	1747.3	1735.8
165°	1797.9	1790.1	1787.5	1777.0	1766.6
167.5°	1812.7	1806.2	1804.9	1799.9	1795.0
170°	1825.0	1824.6	1823.5	1818.5	1813.6
172.5°	1825.8	1825.8	1825.5	1824.4	1823.4
175°	1833.2	1837.0	1837.0	1837.0	1837.0
177.5°	1834.1	1837.0	1837.0	1837.0	1837.0
180°	1837.0	1837.0	1837.0	1837.0	1837.0



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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	11.76	12.55	12.80	13.59	14.99	14.61	15.40	15.65	16.44	17.84
	3H	12.23	12.94	13.28	13.98	15.40	15.96	16.66	17.00	17.71	19.13
	4H	12.42	13.09	13.48	14.14	15.56	16.41	17.07	17.46	18.12	19.55
	6H	12.54	13.15	13.60	14.20	15.64	16.69	17.30	17.76	18.36	19.80
	8H	12.54	13.12	13.61	14.19	15.62	16.77	17.35	17.84	18.42	19.85
	12H	12.50	13.06	13.58	14.12	15.58	16.81	17.36	17.88	18.42	19.88
4H	2H	12.79	13.46	13.85	14.51	15.93	15.01	15.68	16.08	16.73	18.16
	3H	13.81	14.36	14.88	15.44	16.88	16.52	17.07	17.59	18.15	19.59
	4H	14.08	14.59	15.16	15.66	17.12	17.05	17.55	18.12	18.62	20.09
	6H	14.20	14.64	15.29	15.73	17.19	17.41	17.85	18.50	18.94	20.40
	8H	14.21	14.61	15.29	15.70	17.17	17.52	17.93	18.61	19.01	20.48
	12H	14.17	14.54	15.27	15.64	17.11	17.58	17.95	18.68	19.05	20.52
8H	4H	14.53	14.94	15.62	16.03	17.50	17.16	17.57	18.25	18.66	20.13
	6H	14.79	15.13	15.90	16.26	17.72	17.60	17.94	18.71	19.07	20.53
	8H	14.83	15.13	15.95	16.24	17.73	17.76	18.05	18.87	19.16	20.65
	12H	14.81	15.07	15.93	16.18	17.71	17.86	18.12	18.98	19.22	20.75
12H	4H	14.54	14.91	15.64	16.00	17.48	17.13	17.49	18.23	18.59	20.07
	6H	14.85	15.15	15.97	16.26	17.75	17.60	17.89	18.71	19.00	20.49
	8H	14.92	15.18	16.04	16.28	17.81	17.76	18.02	18.88	19.13	20.65