

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: P935921

Luminaire Tested: SQ4-FA-150U-075D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935921
REPORT IS A COMBINATION OF REPORTS P933773 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-927-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

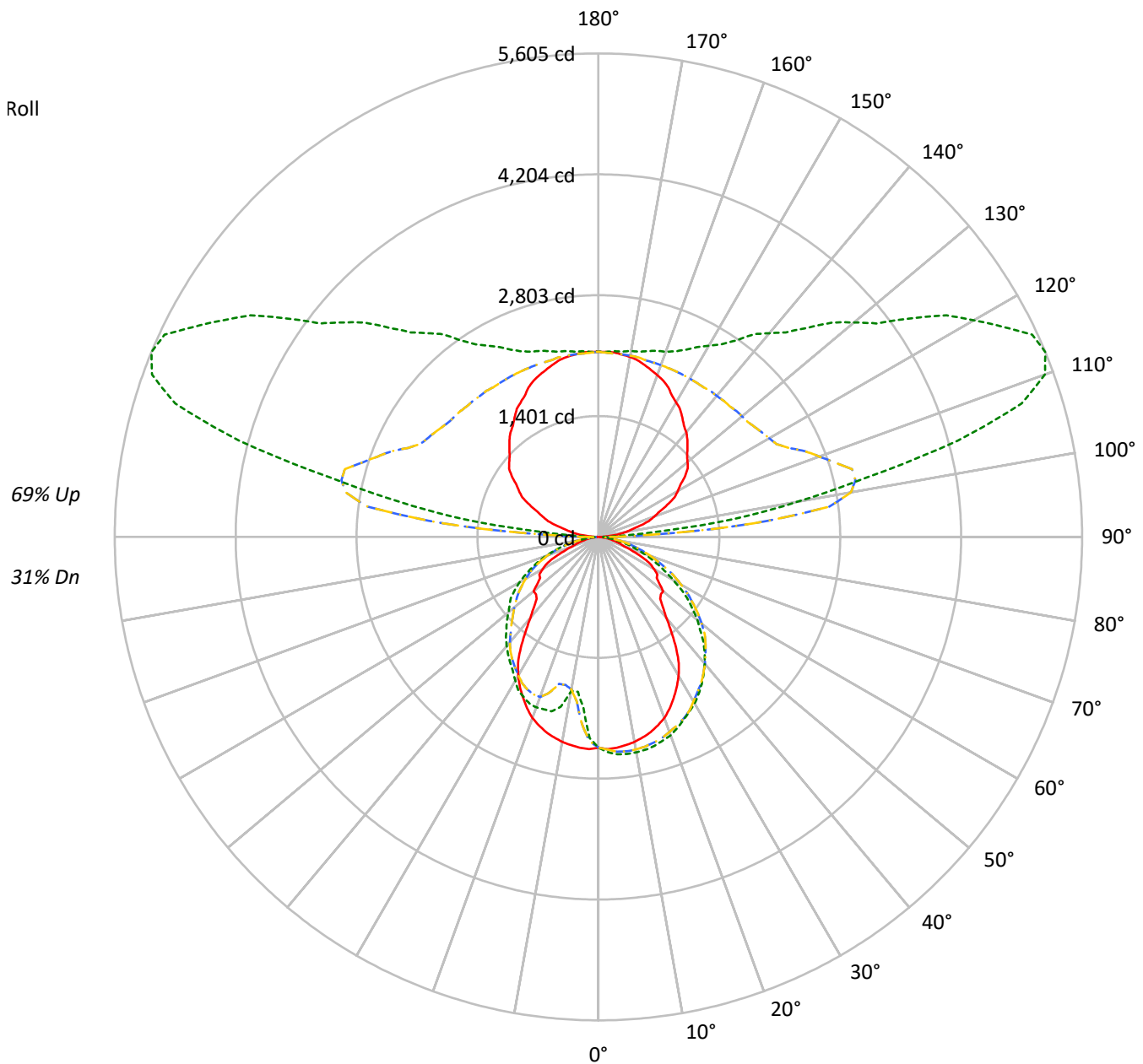
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20255.5 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 190.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7552	7552	7552	7552
5°	7612	7624	7612	5994
10°	7564	7510	7564	5369
15°	7484	7347	7484	6135
20°	7331	7155	7331	6148
25°	7013	6873	7013	6017
30°	6601	6640	6601	5731
35°	5888	6345	5888	5417
40°	4909	5997	4909	5180
45°	4389	5590	4389	4906
50°	4667	5105	4667	4632
55°	4395	4582	4395	4474
60°	4536	3892	4536	4098
65°	4119	3217	4119	3596
70°	2859	2564	2859	3014
75°	2516	1895	2516	2270
80°	2043	1253	2043	1364
85°	1199	664	1199	564

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 6723 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.4	1.1
10°-20°	625.8	3.1
20°-30°	967.4	4.8
30°-40°	1154.8	5.7
40°-50°	1161.6	5.7
50°-60°	1010.7	5.0
60°-70°	716.6	3.5
70°-80°	379.1	1.9
80°-90°	102.6	0.5
90°-100°	1046.4	5.2
100°-110°	2751.1	13.6
110°-120°	2852.6	14.1
120°-130°	2288.1	11.3
130°-140°	1795.4	8.9
140°-150°	1378.0	6.8
150°-160°	992.4	4.9
160°-170°	607.2	3.0
170°-180°	205.1	1.0
0°-30°	1813.6	9.0
0°-40°	2968.4	14.7
0°-60°	5140.7	25.4
0°-90°	6339.1	31.3
90°-120°	6650.2	32.8
90°-150°	12111.7	59.8
90°-180°	13916.0	68.7
0°-180°	20255.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2442	2442	2442	2442	2442	
5°	2453	2530	2453	1989	2453	233
15°	2342	2506	2342	2093	2342	659
25°	2063	2338	2063	2047	2063	947
35°	1568	2086	1568	1781	1568	970
45°	1012	1719	1012	1508	1012	810
55°	825	1268	825	1238	825	758
65°	573	765	573	855	573	548
75°	217	363	217	434	217	228
85°	37	92	37	78	37	50
90°	14	55	14	55	14	13
95°	138	632	138	632	138	154
105°	496	4308	496	4308	496	525
115°	880	5547	880	5547	880	869
125°	1225	4417	1225	4417	1225	1087
135°	1460	3428	1460	3428	1460	1129
145°	1693	2781	1693	2781	1693	1061
155°	1913	2394	1913	2394	1913	879
165°	2065	2230	2065	2230	2065	583
175°	2147	2161	2147	2161	2147	204
180°	2147	2147	2147	2147	2147	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2462.5	2462.5	2476.4	2481.0	2481.0	2474.1	2467.2	2474.1	2494.9	2501.8	2499.5
5°	2453.3	2471.8	2497.2	2501.8	2506.4	2504.1	2499.5	2504.1	2527.2	2531.8	2534.1
7.5°	2434.8	2469.5	2501.8	2508.7	2515.7	2508.7	2506.4	2511.0	2534.1	2538.8	2538.8
10°	2411.7	2460.2	2497.2	2501.8	2508.7	2501.8	2501.8	2511.0	2534.1	2538.8	2541.1
12.5°	2379.4	2446.4	2481.0	2485.6	2494.9	2492.6	2490.3	2499.5	2522.6	2527.2	2527.2
15°	2342.4	2421.0	2453.3	2457.9	2474.1	2469.5	2469.5	2478.7	2504.1	2511.0	2508.7
17.5°	2291.6	2388.6	2425.6	2432.5	2444.1	2441.7	2444.1	2453.3	2476.4	2481.0	2483.3
20°	2233.8	2344.7	2388.6	2395.5	2407.1	2407.1	2407.1	2418.6	2441.7	2451.0	2451.0
22.5°	2155.3	2298.5	2344.7	2349.3	2363.2	2363.2	2367.8	2384.0	2404.8	2407.1	2407.1
25°	2062.9	2247.7	2287.0	2300.8	2314.7	2321.6	2328.6	2337.8	2344.7	2342.4	2344.7
27.5°	1965.8	2183.0	2233.8	2243.1	2261.6	2268.5	2277.7	2280.0	2282.4	2289.3	2284.7
30°	1857.2	2092.9	2169.2	2178.4	2208.4	2213.1	2203.8	2208.4	2220.0	2224.6	2229.2
32.5°	1734.8	1958.9	2102.2	2123.0	2150.7	2136.8	2134.5	2141.4	2159.9	2159.9	2164.5
35°	1568.5	1854.9	2039.8	2058.3	2079.1	2062.9	2072.1	2074.5	2086.0	2092.9	2090.6
37.5°	1386.0	1764.8	1975.0	1988.9	2005.1	1984.3	1998.2	2005.1	2014.3	2009.7	2009.7
40°	1224.3	1623.9	1898.8	1908.1	1921.9	1905.8	1919.6	1924.2	1928.8	1924.2	1921.9
42.5°	1104.2	1469.2	1818.0	1829.5	1820.3	1831.8	1836.4	1845.7	1838.8	1829.5	1829.5
45°	1011.8	1427.6	1730.2	1744.0	1730.2	1748.7	1755.6	1755.6	1734.8	1730.2	1727.9
47.5°	981.8	1344.4	1642.4	1642.4	1635.5	1658.6	1670.1	1654.0	1633.2	1626.2	1626.2
50°	979.4	1252.0	1522.3	1513.0	1545.4	1573.1	1561.6	1545.4	1529.2	1503.8	1503.8
52.5°	889.4	1138.8	1367.5	1402.2	1453.0	1469.2	1450.7	1434.5	1406.8	1395.2	1386.0
55°	824.7	1021.0	1226.6	1295.9	1349.0	1369.8	1335.2	1319.0	1277.4	1270.5	1265.9
57.5°	810.8	850.1	1097.2	1185.0	1249.7	1247.4	1226.6	1196.6	1161.9	1155.0	1152.7
60°	743.8	614.5	958.6	1062.6	1129.6	1122.7	1104.2	1076.5	1044.1	1039.5	1034.9
62.5°	674.5	445.8	801.6	919.4	1014.1	1011.8	995.6	954.0	930.9	919.4	910.1
65°	572.9	374.2	570.6	764.6	900.9	905.5	870.9	840.8	815.4	801.6	799.3
67.5°	436.6	304.9	385.8	637.6	792.3	787.7	743.8	730.0	697.6	690.7	676.8
70°	323.4	203.3	268.0	517.4	686.1	674.5	639.9	623.7	593.7	577.5	568.3
72.5°	268.0	164.0	196.4	401.9	577.5	563.6	533.6	515.1	489.7	475.9	466.6
75°	217.1	173.2	150.2	298.0	468.9	459.7	432.0	413.5	392.7	374.2	376.5
77.5°	159.4	161.7	120.1	219.4	371.9	358.0	341.9	318.8	309.5	291.1	291.1
80°	120.1	127.0	90.1	150.2	268.0	268.0	254.1	237.9	221.8	212.5	212.5
82.5°	80.9	80.9	67.0	94.7	182.5	175.6	166.3	161.7	152.5	147.8	147.8
85°	37.0	46.2	41.6	57.8	99.3	104.0	104.0	99.3	97.0	92.4	94.7
87.5°	11.6	20.8	25.4	32.3	50.8	53.1	55.4	55.4	55.4	57.8	57.8
90°	14.4	25.9	37.5	40.3	63.4	94.1	109.5	97.3	73.0	54.7	54.7
92.5°	57.6	155.5	253.6	278.0	390.9	541.4	616.6	540.4	388.0	273.7	262.9
95°	138.3	317.5	496.9	541.7	962.0	1522.3	1802.4	1608.4	1220.4	929.3	896.4
97.5°	239.2	397.3	555.5	595.1	1295.8	2230.0	2697.1	2574.5	2329.2	2145.3	2082.5
100°	316.9	460.4	603.8	639.7	1417.3	2453.9	2972.3	2981.2	2999.2	3012.6	2937.9
102.5°	383.2	517.1	650.9	684.4	1472.9	2524.4	3050.1	3206.4	3518.8	3753.2	3689.1
105°	495.6	609.0	722.3	750.7	1514.3	2532.4	3041.4	3391.7	4092.2	4617.6	4583.2
107.5°	610.9	716.6	822.2	848.6	1521.9	2419.6	2868.6	3357.1	4334.3	5067.1	5075.5
110°	688.7	784.1	879.5	903.4	1510.4	2319.8	2724.5	3270.7	4363.1	5182.4	5218.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	765.1	856.0	946.9	969.7	1510.9	2232.5	2593.4	3152.4	4270.4	5109.0	5164.0
115°	880.3	964.2	1048.1	1069.1	1524.8	2132.5	2436.4	2974.9	4051.9	4859.7	4936.1
117.5°	994.1	1070.3	1146.5	1165.5	1553.1	2069.8	2328.2	2814.3	3786.3	4515.4	4600.1
120°	1060.4	1132.1	1203.8	1221.8	1576.2	2048.7	2285.1	2729.1	3617.2	4283.4	4365.7
122.5°	1125.2	1197.6	1270.0	1288.1	1609.4	2037.7	2251.9	2651.8	3451.6	4051.4	4132.6
125°	1224.7	1290.6	1356.6	1373.1	1654.0	2028.6	2215.9	2555.6	3235.0	3744.5	3819.3
127.5°	1305.3	1371.9	1438.5	1455.1	1698.6	2023.3	2185.6	2477.3	3060.7	3498.2	3561.2
130°	1348.6	1420.3	1492.0	1509.9	1731.3	2026.5	2174.1	2433.7	2953.1	3342.6	3400.9
132.5°	1393.2	1464.9	1536.6	1554.6	1757.7	2028.6	2164.0	2396.5	2861.4	3210.1	3262.3
135°	1459.5	1524.8	1590.1	1606.5	1786.6	2026.7	2146.8	2341.4	2730.7	3022.7	3067.7
137.5°	1527.2	1591.9	1656.6	1672.7	1829.8	2039.1	2143.8	2308.4	2637.6	2884.4	2921.2
140°	1583.4	1642.9	1702.5	1717.4	1856.2	2041.2	2133.7	2275.9	2560.2	2773.5	2807.9
142.5°	1626.6	1681.7	1736.7	1750.5	1878.3	2048.6	2133.7	2258.6	2508.4	2695.7	2725.3
145°	1692.9	1741.0	1788.9	1801.0	1907.1	2048.6	2119.3	2221.5	2425.7	2579.0	2601.4
147.5°	1759.1	1805.9	1852.6	1864.3	1949.3	2062.7	2119.3	2199.7	2360.4	2481.0	2499.6
150°	1802.4	1844.7	1887.0	1897.5	1971.4	2070.1	2119.3	2187.3	2323.0	2424.8	2439.8
152.5°	1847.1	1879.1	1911.1	1919.1	1985.8	2074.8	2119.3	2177.3	2293.2	2380.1	2391.5
155°	1913.4	1937.1	1960.7	1966.7	2017.6	2085.4	2119.3	2165.5	2257.7	2326.9	2334.4
157.5°	1962.3	1985.4	2008.4	2014.2	2049.2	2095.9	2119.3	2155.2	2226.9	2280.7	2286.1
160°	1995.5	2013.4	2031.3	2035.8	2063.7	2100.8	2119.3	2150.1	2211.5	2257.6	2260.7
162.5°	2028.6	2042.0	2055.4	2058.8	2079.0	2105.9	2119.3	2145.3	2197.2	2236.1	2238.9
165°	2064.6	2076.8	2088.9	2092.0	2101.1	2113.3	2119.3	2137.9	2175.0	2202.9	2206.0
167.5°	2097.8	2103.6	2109.3	2110.7	2118.4	2128.7	2133.7	2145.9	2170.2	2188.5	2189.8
170°	2119.3	2125.1	2130.9	2132.4	2132.8	2133.4	2133.7	2145.9	2170.2	2188.5	2188.5
172.5°	2130.9	2132.1	2133.4	2133.7	2133.7	2133.7	2133.7	2143.4	2162.6	2177.0	2175.9
175°	2146.8	2146.8	2146.8	2146.8	2142.4	2136.7	2133.7	2139.8	2152.0	2161.2	2161.2
177.5°	2146.8	2146.8	2146.8	2146.8	2143.4	2138.9	2136.7	2141.4	2151.1	2158.2	2156.9
180°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2504.1	2497.2	2504.1	2499.5	2501.8	2494.9	2474.1	2467.2	2474.1	2481.0	2481.0
5°	2534.1	2529.5	2534.1	2534.1	2531.8	2527.2	2504.1	2499.5	2504.1	2506.4	2501.8
7.5°	2543.4	2536.5	2543.4	2538.8	2538.8	2534.1	2511.0	2506.4	2508.7	2515.7	2508.7
10°	2543.4	2536.5	2543.4	2541.1	2538.8	2534.1	2511.0	2501.8	2501.8	2508.7	2501.8
12.5°	2531.8	2527.2	2531.8	2527.2	2527.2	2522.6	2499.5	2490.3	2492.6	2494.9	2485.6
15°	2513.4	2506.4	2513.4	2508.7	2511.0	2504.1	2478.7	2469.5	2469.5	2474.1	2457.9
17.5°	2485.6	2476.4	2485.6	2483.3	2481.0	2476.4	2453.3	2444.1	2441.7	2444.1	2432.5
20°	2453.3	2446.4	2453.3	2451.0	2451.0	2441.7	2418.6	2407.1	2407.1	2407.1	2395.5
22.5°	2402.5	2395.5	2402.5	2407.1	2407.1	2404.8	2384.0	2367.8	2363.2	2363.2	2349.3
25°	2344.7	2337.8	2344.7	2344.7	2342.4	2344.7	2337.8	2328.6	2321.6	2314.7	2300.8
27.5°	2289.3	2284.7	2289.3	2284.7	2289.3	2282.4	2280.0	2277.7	2268.5	2261.6	2243.1
30°	2233.8	2229.2	2233.8	2229.2	2224.6	2220.0	2208.4	2203.8	2213.1	2208.4	2178.4
32.5°	2164.5	2159.9	2164.5	2164.5	2159.9	2159.9	2141.4	2134.5	2136.8	2150.7	2123.0
35°	2092.9	2086.0	2092.9	2090.6	2092.9	2086.0	2074.5	2072.1	2062.9	2079.1	2058.3
37.5°	2009.7	2002.8	2009.7	2009.7	2009.7	2014.3	2005.1	1998.2	1984.3	2005.1	1988.9
40°	1924.2	1915.0	1924.2	1921.9	1924.2	1928.8	1924.2	1919.6	1905.8	1921.9	1908.1
42.5°	1827.2	1824.9	1827.2	1829.5	1829.5	1838.8	1845.7	1836.4	1831.8	1820.3	1829.5
45°	1723.3	1718.6	1723.3	1727.9	1730.2	1734.8	1755.6	1755.6	1748.7	1730.2	1744.0
47.5°	1612.4	1600.8	1612.4	1626.2	1626.2	1633.2	1654.0	1670.1	1658.6	1635.5	1642.4
50°	1494.6	1496.9	1494.6	1503.8	1503.8	1529.2	1545.4	1561.6	1573.1	1545.4	1513.0
52.5°	1379.1	1376.8	1379.1	1386.0	1395.2	1406.8	1434.5	1450.7	1469.2	1453.0	1402.2
55°	1263.6	1268.2	1263.6	1265.9	1270.5	1277.4	1319.0	1335.2	1369.8	1349.0	1295.9
57.5°	1148.1	1141.1	1148.1	1152.7	1155.0	1161.9	1196.6	1226.6	1247.4	1249.7	1185.0
60°	1014.1	1004.8	1014.1	1034.9	1039.5	1044.1	1076.5	1104.2	1122.7	1129.6	1062.6
62.5°	896.3	880.1	896.3	910.1	919.4	930.9	954.0	995.6	1011.8	1014.1	919.4
65°	771.5	764.6	771.5	799.3	801.6	815.4	840.8	870.9	905.5	900.9	764.6
67.5°	658.4	658.4	658.4	676.8	690.7	697.6	730.0	743.8	787.7	792.3	637.6
70°	554.4	552.1	554.4	568.3	577.5	593.7	623.7	639.9	674.5	686.1	517.4
72.5°	455.1	452.8	455.1	466.6	475.9	489.7	515.1	533.6	563.6	577.5	401.9
75°	367.3	362.7	367.3	376.5	374.2	392.7	413.5	432.0	459.7	468.9	298.0
77.5°	281.8	281.8	281.8	291.1	291.1	309.5	318.8	341.9	358.0	371.9	219.4
80°	210.2	207.9	210.2	212.5	212.5	221.8	237.9	254.1	268.0	268.0	150.2
82.5°	147.8	143.2	147.8	147.8	147.8	152.5	161.7	166.3	175.6	182.5	94.7
85°	92.4	92.4	92.4	94.7	92.4	97.0	99.3	104.0	104.0	99.3	57.8
87.5°	60.1	57.8	60.1	57.8	57.8	55.4	55.4	55.4	53.1	50.8	32.3
90°	54.7	54.7	54.7	54.7	54.7	73.0	97.3	109.5	94.1	63.4	40.3
92.5°	219.3	175.8	219.3	262.9	273.7	388.0	540.4	616.6	541.4	390.9	278.0
95°	764.4	632.5	764.4	896.4	929.3	1220.4	1608.4	1802.4	1522.3	962.0	541.7
97.5°	1831.5	1580.5	1831.5	2082.5	2145.3	2329.2	2574.5	2697.1	2230.0	1295.8	595.1
100°	2638.9	2339.8	2638.9	2937.9	3012.6	2999.2	2981.2	2972.3	2453.9	1417.3	639.7
102.5°	3433.0	3176.9	3433.0	3689.1	3753.2	3518.8	3206.4	3050.1	2524.4	1472.9	684.4
105°	4445.6	4307.9	4445.6	4583.2	4617.6	4092.2	3391.7	3041.4	2532.4	1514.3	750.7
107.5°	5108.8	5142.1	5108.8	5075.5	5067.1	4334.3	3357.1	2868.6	2419.6	1521.9	848.6
110°	5361.7	5505.2	5361.7	5218.3	5182.4	4363.1	3270.7	2724.5	2319.8	1510.4	903.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5384.3	5604.6	5384.3	5164.0	5109.0	4270.4	3152.4	2593.4	2232.5	1510.9	969.7
115°	5241.5	5546.9	5241.5	4936.1	4859.7	4051.9	2974.9	2436.4	2132.5	1524.8	1069.1
117.5°	4938.8	5277.5	4938.8	4600.1	4515.4	3786.3	2814.3	2328.2	2069.8	1553.1	1165.5
120°	4694.8	5023.9	4694.8	4365.7	4283.4	3617.2	2729.1	2285.1	2048.7	1576.2	1221.8
122.5°	4457.3	4781.9	4457.3	4132.6	4051.4	3451.6	2651.8	2251.9	2037.7	1609.4	1288.1
125°	4118.3	4417.4	4118.3	3819.3	3744.5	3235.0	2555.6	2215.9	2028.6	1654.0	1373.1
127.5°	3813.6	4065.8	3813.6	3561.2	3498.2	3060.7	2477.3	2185.6	2023.3	1698.6	1455.1
130°	3633.9	3867.0	3633.9	3400.9	3342.6	2953.1	2433.7	2174.1	2026.5	1731.3	1509.9
132.5°	3470.9	3679.7	3470.9	3262.3	3210.1	2861.4	2396.5	2164.0	2028.6	1757.7	1554.6
135°	3247.6	3427.6	3247.6	3067.7	3022.7	2730.7	2341.4	2146.8	2026.7	1786.6	1606.5
137.5°	3068.5	3215.8	3068.5	2921.2	2884.4	2637.6	2308.4	2143.8	2039.1	1829.8	1672.7
140°	2945.6	3083.2	2945.6	2807.9	2773.5	2560.2	2275.9	2133.7	2041.2	1856.2	1717.4
142.5°	2843.8	2962.2	2843.8	2725.3	2695.7	2508.4	2258.6	2133.7	2048.6	1878.3	1750.5
145°	2691.1	2780.7	2691.1	2601.4	2579.0	2425.7	2221.5	2119.3	2048.6	1907.1	1801.0
147.5°	2573.9	2648.1	2573.9	2499.6	2481.0	2360.4	2199.7	2119.3	2062.7	1949.3	1864.3
150°	2500.0	2560.2	2500.0	2439.8	2424.8	2323.0	2187.3	2119.3	2070.1	1971.4	1897.5
152.5°	2437.0	2482.4	2437.0	2391.5	2380.1	2293.2	2177.3	2119.3	2074.8	1985.8	1919.1
155°	2364.4	2394.5	2364.4	2334.4	2326.9	2257.7	2165.5	2119.3	2085.4	2017.6	1966.7
157.5°	2307.2	2328.2	2307.2	2286.1	2280.7	2226.9	2155.2	2119.3	2095.9	2049.2	2014.2
160°	2272.9	2285.1	2272.9	2260.7	2257.6	2211.5	2150.1	2119.3	2100.8	2063.7	2035.8
162.5°	2250.5	2262.0	2250.5	2238.9	2236.1	2197.2	2145.3	2119.3	2105.9	2079.0	2058.8
165°	2218.1	2230.3	2218.1	2206.0	2202.9	2175.0	2137.9	2119.3	2113.3	2101.1	2092.0
167.5°	2194.9	2200.0	2194.9	2189.8	2188.5	2170.2	2145.9	2133.7	2128.7	2118.4	2110.7
170°	2188.5	2188.5	2188.5	2188.5	2188.5	2170.2	2145.9	2133.7	2133.4	2132.8	2132.4
172.5°	2171.4	2166.9	2171.4	2175.9	2177.0	2162.6	2143.4	2133.7	2133.7	2133.7	2133.7
175°	2161.2	2161.2	2161.2	2161.2	2161.2	2152.0	2139.8	2133.7	2136.7	2142.4	2146.8
177.5°	2151.8	2146.8	2151.8	2156.9	2158.2	2151.1	2141.4	2136.7	2138.9	2143.4	2146.8
180°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2476.4	2462.5	2462.5	2439.4	2430.2	2423.3	2411.7	2377.1	2367.8	2358.6	2372.4
5°	2497.2	2471.8	2453.3	2411.7	2377.1	2363.2	2319.3	2236.2	2180.7	2139.1	2116.0
7.5°	2501.8	2469.5	2434.8	2370.1	2287.0	2250.0	2116.0	1963.5	1921.9	1885.0	1861.9
10°	2497.2	2460.2	2411.7	2314.7	2118.3	2053.7	1919.6	1820.3	1794.9	1787.9	1794.9
12.5°	2481.0	2446.4	2379.4	2217.7	1942.7	1898.8	1820.3	1762.5	1757.9	1769.5	1831.8
15°	2453.3	2421.0	2342.4	2088.3	1845.7	1813.4	1757.9	1737.1	1762.5	1843.4	2030.5
17.5°	2425.6	2388.6	2291.6	1961.2	1771.8	1748.7	1709.4	1751.0	1894.2	2002.8	2065.2
20°	2388.6	2344.7	2233.8	1868.8	1718.6	1697.8	1679.4	1866.5	1975.0	2014.3	2049.0
22.5°	2344.7	2298.5	2155.3	1804.1	1663.2	1647.0	1658.6	1931.2	1975.0	2002.8	2032.8
25°	2287.0	2247.7	2062.9	1753.3	1619.3	1600.8	1644.7	1924.2	1949.6	1956.6	2016.6
27.5°	2233.8	2183.0	1965.8	1707.1	1566.2	1559.2	1656.3	1894.2	1912.7	1919.6	1984.3
30°	2169.2	2092.9	1857.2	1658.6	1510.7	1508.4	1658.6	1857.2	1852.6	1871.1	1935.8
32.5°	2102.2	1958.9	1734.8	1598.5	1457.6	1455.3	1642.4	1801.8	1797.2	1822.6	1871.1
35°	2039.8	1854.9	1568.5	1529.2	1390.6	1392.9	1603.1	1737.1	1739.4	1762.5	1792.6
37.5°	1975.0	1764.8	1386.0	1453.0	1325.9	1325.9	1550.0	1677.1	1672.4	1679.4	1721.0
40°	1898.8	1623.9	1224.3	1353.7	1265.9	1259.0	1485.3	1612.4	1596.2	1593.9	1651.6
42.5°	1818.0	1469.2	1104.2	1222.0	1196.6	1187.3	1406.8	1533.8	1503.8	1510.7	1584.7
45°	1730.2	1427.6	1011.8	1032.6	1125.0	1118.0	1321.3	1443.8	1423.0	1441.4	1517.7
47.5°	1642.4	1344.4	981.8	857.0	1048.7	1046.4	1226.6	1356.0	1344.4	1362.9	1443.8
50°	1522.3	1252.0	979.4	734.6	963.3	972.5	1113.4	1270.5	1270.5	1286.7	1372.1
52.5°	1367.5	1138.8	889.4	665.3	863.9	891.7	1014.1	1196.6	1201.2	1217.4	1293.6
55°	1226.6	1021.0	824.7	612.2	746.1	806.2	917.1	1120.4	1129.6	1145.8	1215.1
57.5°	1097.2	850.1	810.8	549.8	637.6	695.3	831.6	1046.4	1051.0	1064.9	1131.9
60°	958.6	614.5	743.8	482.8	542.8	586.7	753.1	958.6	974.8	984.1	1041.8
62.5°	801.6	445.8	674.5	436.6	496.6	505.9	688.4	875.5	896.3	903.2	937.9
65°	570.6	374.2	572.9	397.3	448.1	450.4	619.1	790.0	808.5	820.0	845.5
67.5°	385.8	304.9	436.6	360.4	411.2	413.5	552.1	690.7	716.1	725.3	741.5
70°	268.0	203.3	323.4	321.1	369.6	374.2	480.5	600.6	623.7	630.6	639.9
72.5°	196.4	164.0	268.0	288.8	325.7	330.3	406.6	499.0	522.1	529.0	533.6
75°	150.2	173.2	217.1	251.8	277.2	279.5	332.6	406.6	422.7	427.4	429.7
77.5°	120.1	161.7	159.4	203.3	226.4	221.8	261.0	314.2	328.0	328.0	328.0
80°	90.1	127.0	120.1	145.5	166.3	161.7	187.1	224.1	228.7	233.3	231.0
82.5°	67.0	80.9	80.9	92.4	110.9	106.3	124.7	145.5	145.5	145.5	150.2
85°	41.6	46.2	37.0	48.5	62.4	60.1	69.3	78.5	80.9	80.9	76.2
87.5°	25.4	20.8	11.6	18.5	27.7	27.7	32.3	34.6	32.3	32.3	32.3
90°	37.5	25.9	14.4	25.9	37.5	40.3	63.4	94.1	109.5	97.3	73.0
92.5°	253.6	155.5	57.6	155.5	253.6	278.0	390.9	541.4	616.6	540.4	388.0
95°	496.9	317.5	138.3	317.5	496.9	541.7	962.0	1522.3	1802.4	1608.4	1220.4
97.5°	555.5	397.3	239.2	397.3	555.5	595.1	1295.8	2230.0	2697.1	2574.5	2329.2
100°	603.8	460.4	316.9	460.4	603.8	639.7	1417.3	2453.9	2972.3	2981.2	2999.2
102.5°	650.9	517.1	383.2	517.1	650.9	684.4	1472.9	2524.4	3050.1	3206.4	3518.8
105°	722.3	609.0	495.6	609.0	722.3	750.7	1514.3	2532.4	3041.4	3391.7	4092.2
107.5°	822.2	716.6	610.9	716.6	822.2	848.6	1521.9	2419.6	2868.6	3357.1	4334.3
110°	879.5	784.1	688.7	784.1	879.5	903.4	1510.4	2319.8	2724.5	3270.7	4363.1



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	946.9	856.0	765.1	856.0	946.9	969.7	1510.9	2232.5	2593.4	3152.4	4270.4
115°	1048.1	964.2	880.3	964.2	1048.1	1069.1	1524.8	2132.5	2436.4	2974.9	4051.9
117.5°	1146.5	1070.3	994.1	1070.3	1146.5	1165.5	1553.1	2069.8	2328.2	2814.3	3786.3
120°	1203.8	1132.1	1060.4	1132.1	1203.8	1221.8	1576.2	2048.7	2285.1	2729.1	3617.2
122.5°	1270.0	1197.6	1125.2	1197.6	1270.0	1288.1	1609.4	2037.7	2251.9	2651.8	3451.6
125°	1356.6	1290.6	1224.7	1290.6	1356.6	1373.1	1654.0	2028.6	2215.9	2555.6	3235.0
127.5°	1438.5	1371.9	1305.3	1371.9	1438.5	1455.1	1698.6	2023.3	2185.6	2477.3	3060.7
130°	1492.0	1420.3	1348.6	1420.3	1492.0	1509.9	1731.3	2026.5	2174.1	2433.7	2953.1
132.5°	1536.6	1464.9	1393.2	1464.9	1536.6	1554.6	1757.7	2028.6	2164.0	2396.5	2861.4
135°	1590.1	1524.8	1459.5	1524.8	1590.1	1606.5	1786.6	2026.7	2146.8	2341.4	2730.7
137.5°	1656.6	1591.9	1527.2	1591.9	1656.6	1672.7	1829.8	2039.1	2143.8	2308.4	2637.6
140°	1702.5	1642.9	1583.4	1642.9	1702.5	1717.4	1856.2	2041.2	2133.7	2275.9	2560.2
142.5°	1736.7	1681.7	1626.6	1681.7	1736.7	1750.5	1878.3	2048.6	2133.7	2258.6	2508.4
145°	1788.9	1741.0	1692.9	1741.0	1788.9	1801.0	1907.1	2048.6	2119.3	2221.5	2425.7
147.5°	1852.6	1805.9	1759.1	1805.9	1852.6	1864.3	1949.3	2062.7	2119.3	2199.7	2360.4
150°	1887.0	1844.7	1802.4	1844.7	1887.0	1897.5	1971.4	2070.1	2119.3	2187.3	2323.0
152.5°	1911.1	1879.1	1847.1	1879.1	1911.1	1919.1	1985.8	2074.8	2119.3	2177.3	2293.2
155°	1960.7	1937.1	1913.4	1937.1	1960.7	1966.7	2017.6	2085.4	2119.3	2165.5	2257.7
157.5°	2008.4	1985.4	1962.3	1985.4	2008.4	2014.2	2049.2	2095.9	2119.3	2155.2	2226.9
160°	2031.3	2013.4	1995.5	2013.4	2031.3	2035.8	2063.7	2100.8	2119.3	2150.1	2211.5
162.5°	2055.4	2042.0	2028.6	2042.0	2055.4	2058.8	2079.0	2105.9	2119.3	2145.3	2197.2
165°	2088.9	2076.8	2064.6	2076.8	2088.9	2092.0	2101.1	2113.3	2119.3	2137.9	2175.0
167.5°	2109.3	2103.6	2097.8	2103.6	2109.3	2110.7	2118.4	2128.7	2133.7	2145.9	2170.2
170°	2130.9	2125.1	2119.3	2125.1	2130.9	2132.4	2132.8	2133.4	2133.7	2145.9	2170.2
172.5°	2133.4	2132.1	2130.9	2132.1	2133.4	2133.7	2133.7	2133.7	2133.7	2143.4	2162.6
175°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2142.4	2136.7	2133.7	2139.8	2152.0
177.5°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2143.4	2138.9	2136.7	2141.4	2151.1
180°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2356.3	2349.3	2358.6	2333.2	2358.6	2349.3	2356.3	2372.4	2358.6	2367.8	2377.1
5°	2067.5	2056.0	2018.9	1988.9	2018.9	2056.0	2067.5	2116.0	2139.1	2180.7	2236.2
7.5°	1848.0	1838.8	1829.5	1811.0	1829.5	1838.8	1848.0	1861.9	1885.0	1921.9	1963.5
10°	1799.5	1801.8	1815.7	1813.4	1815.7	1801.8	1799.5	1794.9	1787.9	1794.9	1820.3
12.5°	1924.2	1945.0	2021.2	2016.6	2021.2	1945.0	1924.2	1831.8	1769.5	1757.9	1762.5
15°	2067.5	2074.5	2090.6	2092.9	2090.6	2074.5	2067.5	2030.5	1843.4	1762.5	1737.1
17.5°	2081.4	2083.7	2095.2	2095.2	2095.2	2083.7	2081.4	2065.2	2002.8	1894.2	1751.0
20°	2069.8	2074.5	2097.6	2102.2	2097.6	2074.5	2069.8	2049.0	2014.3	1975.0	1866.5
22.5°	2065.2	2074.5	2092.9	2090.6	2092.9	2074.5	2065.2	2032.8	2002.8	1975.0	1931.2
25°	2042.1	2042.1	2044.4	2046.7	2044.4	2042.1	2042.1	2016.6	1956.6	1949.6	1924.2
27.5°	1993.5	1998.2	2012.0	2009.7	2012.0	1998.2	1993.5	1984.3	1919.6	1912.7	1894.2
30°	1949.6	1945.0	1933.5	1924.2	1933.5	1945.0	1949.6	1935.8	1871.1	1852.6	1857.2
32.5°	1875.7	1864.2	1852.6	1845.7	1852.6	1864.2	1875.7	1871.1	1822.6	1797.2	1801.8
35°	1787.9	1790.2	1787.9	1781.0	1787.9	1790.2	1787.9	1792.6	1762.5	1739.4	1737.1
37.5°	1725.6	1730.2	1727.9	1718.6	1727.9	1730.2	1725.6	1721.0	1679.4	1672.4	1677.1
40°	1660.9	1663.2	1660.9	1654.0	1660.9	1663.2	1660.9	1651.6	1593.9	1596.2	1612.4
42.5°	1598.5	1596.2	1589.3	1584.7	1589.3	1596.2	1598.5	1584.7	1510.7	1503.8	1533.8
45°	1526.9	1529.2	1515.4	1508.4	1515.4	1529.2	1526.9	1517.7	1441.4	1423.0	1443.8
47.5°	1455.3	1455.3	1443.8	1436.8	1443.8	1455.3	1455.3	1443.8	1362.9	1344.4	1356.0
50°	1379.1	1376.8	1360.6	1358.3	1360.6	1376.8	1379.1	1372.1	1286.7	1270.5	1270.5
52.5°	1291.3	1291.3	1293.6	1298.2	1293.6	1291.3	1291.3	1293.6	1217.4	1201.2	1196.6
55°	1215.1	1217.4	1233.5	1238.2	1233.5	1217.4	1215.1	1215.1	1145.8	1129.6	1120.4
57.5°	1136.5	1136.5	1148.1	1148.1	1148.1	1136.5	1136.5	1131.9	1064.9	1051.0	1046.4
60°	1046.4	1051.0	1060.3	1058.0	1060.3	1051.0	1046.4	1041.8	984.1	974.8	958.6
62.5°	951.7	956.3	958.6	954.0	958.6	956.3	951.7	937.9	903.2	896.3	875.5
65°	852.4	857.0	859.3	854.7	859.3	857.0	852.4	845.5	820.0	808.5	790.0
67.5°	750.8	748.4	746.1	755.4	746.1	748.4	750.8	741.5	725.3	716.1	690.7
70°	646.8	646.8	644.5	649.1	644.5	646.8	646.8	639.9	630.6	623.7	600.6
72.5°	535.9	533.6	542.8	535.9	542.8	533.6	535.9	533.6	529.0	522.1	499.0
75°	427.4	432.0	427.4	434.3	427.4	432.0	427.4	429.7	427.4	422.7	406.6
77.5°	325.7	330.3	325.7	325.7	325.7	330.3	325.7	328.0	328.0	328.0	314.2
80°	231.0	228.7	228.7	226.4	228.7	228.7	231.0	231.0	233.3	228.7	224.1
82.5°	147.8	145.5	145.5	150.2	145.5	145.5	147.8	150.2	145.5	145.5	145.5
85°	80.9	83.2	78.5	78.5	78.5	83.2	80.9	76.2	80.9	80.9	78.5
87.5°	30.0	27.7	27.7	27.7	27.7	27.7	30.0	32.3	32.3	32.3	34.6
90°	54.7	54.7	54.7	54.7	54.7	54.7	54.7	73.0	97.3	109.5	94.1
92.5°	273.7	262.9	219.3	175.8	219.3	262.9	273.7	388.0	540.4	616.6	541.4
95°	929.3	896.4	764.4	632.5	764.4	896.4	929.3	1220.4	1608.4	1802.4	1522.3
97.5°	2145.3	2082.5	1831.5	1580.5	1831.5	2082.5	2145.3	2329.2	2574.5	2697.1	2230.0
100°	3012.6	2937.9	2638.9	2339.8	2638.9	2937.9	3012.6	2999.2	2981.2	2972.3	2453.9
102.5°	3753.2	3689.1	3433.0	3176.9	3433.0	3689.1	3753.2	3518.8	3206.4	3050.1	2524.4
105°	4617.6	4583.2	4445.6	4307.9	4445.6	4583.2	4617.6	4092.2	3391.7	3041.4	2532.4
107.5°	5067.1	5075.5	5108.8	5142.1	5108.8	5075.5	5067.1	4334.3	3357.1	2868.6	2419.6
110°	5182.4	5218.3	5361.7	5505.2	5361.7	5218.3	5182.4	4363.1	3270.7	2724.5	2319.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5109.0	5164.0	5384.3	5604.6	5384.3	5164.0	5109.0	4270.4	3152.4	2593.4	2232.5
115°	4859.7	4936.1	5241.5	5546.9	5241.5	4936.1	4859.7	4051.9	2974.9	2436.4	2132.5
117.5°	4515.4	4600.1	4938.8	5277.5	4938.8	4600.1	4515.4	3786.3	2814.3	2328.2	2069.8
120°	4283.4	4365.7	4694.8	5023.9	4694.8	4365.7	4283.4	3617.2	2729.1	2285.1	2048.7
122.5°	4051.4	4132.6	4457.3	4781.9	4457.3	4132.6	4051.4	3451.6	2651.8	2251.9	2037.7
125°	3744.5	3819.3	4118.3	4417.4	4118.3	3819.3	3744.5	3235.0	2555.6	2215.9	2028.6
127.5°	3498.2	3561.2	3813.6	4065.8	3813.6	3561.2	3498.2	3060.7	2477.3	2185.6	2023.3
130°	3342.6	3400.9	3633.9	3867.0	3633.9	3400.9	3342.6	2953.1	2433.7	2174.1	2026.5
132.5°	3210.1	3262.3	3470.9	3679.7	3470.9	3262.3	3210.1	2861.4	2396.5	2164.0	2028.6
135°	3022.7	3067.7	3247.6	3427.6	3247.6	3067.7	3022.7	2730.7	2341.4	2146.8	2026.7
137.5°	2884.4	2921.2	3068.5	3215.8	3068.5	2921.2	2884.4	2637.6	2308.4	2143.8	2039.1
140°	2773.5	2807.9	2945.6	3083.2	2945.6	2807.9	2773.5	2560.2	2275.9	2133.7	2041.2
142.5°	2695.7	2725.3	2843.8	2962.2	2843.8	2725.3	2695.7	2508.4	2258.6	2133.7	2048.6
145°	2579.0	2601.4	2691.1	2780.7	2691.1	2601.4	2579.0	2425.7	2221.5	2119.3	2048.6
147.5°	2481.0	2499.6	2573.9	2648.1	2573.9	2499.6	2481.0	2360.4	2199.7	2119.3	2062.7
150°	2424.8	2439.8	2500.0	2560.2	2500.0	2439.8	2424.8	2323.0	2187.3	2119.3	2070.1
152.5°	2380.1	2391.5	2437.0	2482.4	2437.0	2391.5	2380.1	2293.2	2177.3	2119.3	2074.8
155°	2326.9	2334.4	2364.4	2394.5	2364.4	2334.4	2326.9	2257.7	2165.5	2119.3	2085.4
157.5°	2280.7	2286.1	2307.2	2328.2	2307.2	2286.1	2280.7	2226.9	2155.2	2119.3	2095.9
160°	2257.6	2260.7	2272.9	2285.1	2272.9	2260.7	2257.6	2211.5	2150.1	2119.3	2100.8
162.5°	2236.1	2238.9	2250.5	2262.0	2250.5	2238.9	2236.1	2197.2	2145.3	2119.3	2105.9
165°	2202.9	2206.0	2218.1	2230.3	2218.1	2206.0	2202.9	2175.0	2137.9	2119.3	2113.3
167.5°	2188.5	2189.8	2194.9	2200.0	2194.9	2189.8	2188.5	2170.2	2145.9	2133.7	2128.7
170°	2188.5	2188.5	2188.5	2188.5	2188.5	2188.5	2188.5	2170.2	2145.9	2133.7	2133.4
172.5°	2177.0	2175.9	2171.4	2166.9	2171.4	2175.9	2177.0	2162.6	2143.4	2133.7	2133.7
175°	2161.2	2161.2	2161.2	2161.2	2161.2	2161.2	2161.2	2152.0	2139.8	2133.7	2136.7
177.5°	2158.2	2156.9	2151.8	2146.8	2151.8	2156.9	2158.2	2151.1	2141.4	2136.7	2138.9
180°	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8	2146.8



TEST NUMBER: P935921

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2411.7	2423.3	2430.2	2439.4	2462.5
5°	2319.3	2363.2	2377.1	2411.7	2453.3
7.5°	2116.0	2250.0	2287.0	2370.1	2434.8
10°	1919.6	2053.7	2118.3	2314.7	2411.7
12.5°	1820.3	1898.8	1942.7	2217.7	2379.4
15°	1757.9	1813.4	1845.7	2088.3	2342.4
17.5°	1709.4	1748.7	1771.8	1961.2	2291.6
20°	1679.4	1697.8	1718.6	1868.8	2233.8
22.5°	1658.6	1647.0	1663.2	1804.1	2155.3
25°	1644.7	1600.8	1619.3	1753.3	2062.9
27.5°	1656.3	1559.2	1566.2	1707.1	1965.8
30°	1658.6	1508.4	1510.7	1658.6	1857.2
32.5°	1642.4	1455.3	1457.6	1598.5	1734.8
35°	1603.1	1392.9	1390.6	1529.2	1568.5
37.5°	1550.0	1325.9	1325.9	1453.0	1386.0
40°	1485.3	1259.0	1265.9	1353.7	1224.3
42.5°	1406.8	1187.3	1196.6	1222.0	1104.2
45°	1321.3	1118.0	1125.0	1032.6	1011.8
47.5°	1226.6	1046.4	1048.7	857.0	981.8
50°	1113.4	972.5	963.3	734.6	979.4
52.5°	1014.1	891.7	863.9	665.3	889.4
55°	917.1	806.2	746.1	612.2	824.7
57.5°	831.6	695.3	637.6	549.8	810.8
60°	753.1	586.7	542.8	482.8	743.8
62.5°	688.4	505.9	496.6	436.6	674.5
65°	619.1	450.4	448.1	397.3	572.9
67.5°	552.1	413.5	411.2	360.4	436.6
70°	480.5	374.2	369.6	321.1	323.4
72.5°	406.6	330.3	325.7	288.8	268.0
75°	332.6	279.5	277.2	251.8	217.1
77.5°	261.0	221.8	226.4	203.3	159.4
80°	187.1	161.7	166.3	145.5	120.1
82.5°	124.7	106.3	110.9	92.4	80.9
85°	69.3	60.1	62.4	48.5	37.0
87.5°	32.3	27.7	27.7	18.5	11.6
90°	63.4	40.3	37.5	25.9	14.4
92.5°	390.9	278.0	253.6	155.5	57.6
95°	962.0	541.7	496.9	317.5	138.3
97.5°	1295.8	595.1	555.5	397.3	239.2
100°	1417.3	639.7	603.8	460.4	316.9
102.5°	1472.9	684.4	650.9	517.1	383.2
105°	1514.3	750.7	722.3	609.0	495.6
107.5°	1521.9	848.6	822.2	716.6	610.9
110°	1510.4	903.4	879.5	784.1	688.7



TEST NUMBER: P935921

CATALOG NUMBER: SQ4-FA-150U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1510.9	969.7	946.9	856.0	765.1
115°	1524.8	1069.1	1048.1	964.2	880.3
117.5°	1553.1	1165.5	1146.5	1070.3	994.1
120°	1576.2	1221.8	1203.8	1132.1	1060.4
122.5°	1609.4	1288.1	1270.0	1197.6	1125.2
125°	1654.0	1373.1	1356.6	1290.6	1224.7
127.5°	1698.6	1455.1	1438.5	1371.9	1305.3
130°	1731.3	1509.9	1492.0	1420.3	1348.6
132.5°	1757.7	1554.6	1536.6	1464.9	1393.2
135°	1786.6	1606.5	1590.1	1524.8	1459.5
137.5°	1829.8	1672.7	1656.6	1591.9	1527.2
140°	1856.2	1717.4	1702.5	1642.9	1583.4
142.5°	1878.3	1750.5	1736.7	1681.7	1626.6
145°	1907.1	1801.0	1788.9	1741.0	1692.9
147.5°	1949.3	1864.3	1852.6	1805.9	1759.1
150°	1971.4	1897.5	1887.0	1844.7	1802.4
152.5°	1985.8	1919.1	1911.1	1879.1	1847.1
155°	2017.6	1966.7	1960.7	1937.1	1913.4
157.5°	2049.2	2014.2	2008.4	1985.4	1962.3
160°	2063.7	2035.8	2031.3	2013.4	1995.5
162.5°	2079.0	2058.8	2055.4	2042.0	2028.6
165°	2101.1	2092.0	2088.9	2076.8	2064.6
167.5°	2118.4	2110.7	2109.3	2103.6	2097.8
170°	2132.8	2132.4	2130.9	2125.1	2119.3
172.5°	2133.7	2133.7	2133.4	2132.1	2130.9
175°	2142.4	2146.8	2146.8	2146.8	2146.8
177.5°	2143.4	2146.8	2146.8	2146.8	2146.8
180°	2146.8	2146.8	2146.8	2146.8	2146.8



TEST NUMBER: P935921
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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	9.80	10.51	10.90	11.61	13.13	12.65	13.36	13.75	14.46	15.98
	3H	10.26	10.90	11.37	12.01	13.54	13.99	14.63	15.10	15.74	17.27
	4H	10.45	11.05	11.57	12.16	13.70	14.43	15.04	15.55	16.15	17.68
	6H	10.56	11.12	11.69	12.23	13.78	14.71	15.27	15.84	16.38	17.93
	8H	10.55	11.09	11.69	12.21	13.76	14.79	15.32	15.92	16.44	17.99
	12H	10.52	11.02	11.66	12.15	13.71	14.82	15.33	15.96	16.45	18.01
4H	2H	10.82	11.42	11.94	12.53	14.07	13.04	13.65	14.17	14.75	16.29
	3H	11.83	12.34	12.96	13.47	15.02	14.54	15.04	15.67	16.18	17.73
	4H	12.10	12.56	13.24	13.69	15.26	15.06	15.53	16.20	16.65	18.22
	6H	12.22	12.61	13.36	13.76	15.32	15.43	15.82	16.57	16.97	18.53
	8H	12.22	12.59	13.36	13.73	15.31	15.53	15.90	16.68	17.04	18.62
	12H	12.18	12.52	13.34	13.67	15.25	15.58	15.92	16.75	17.07	18.66
8H	4H	12.54	12.92	13.69	14.06	15.63	15.17	15.55	16.32	16.69	18.26
	6H	12.80	13.11	13.96	14.29	15.86	15.61	15.92	16.78	17.10	18.67
	8H	12.84	13.11	14.01	14.27	15.86	15.76	16.03	16.94	17.19	18.79
	12H	12.82	13.05	13.99	14.21	15.84	15.86	16.10	17.03	17.25	18.88
12H	4H	12.54	12.88	13.70	14.03	15.61	15.13	15.47	16.29	16.62	18.20
	6H	12.86	13.13	14.03	14.29	15.88	15.61	15.87	16.78	17.03	18.63
	8H	12.92	13.16	14.09	14.31	15.94	15.76	16.00	16.94	17.16	18.79