

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: P936065

Luminaire Tested: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936065
REPORT IS A COMBINATION OF REPORTS P933780 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

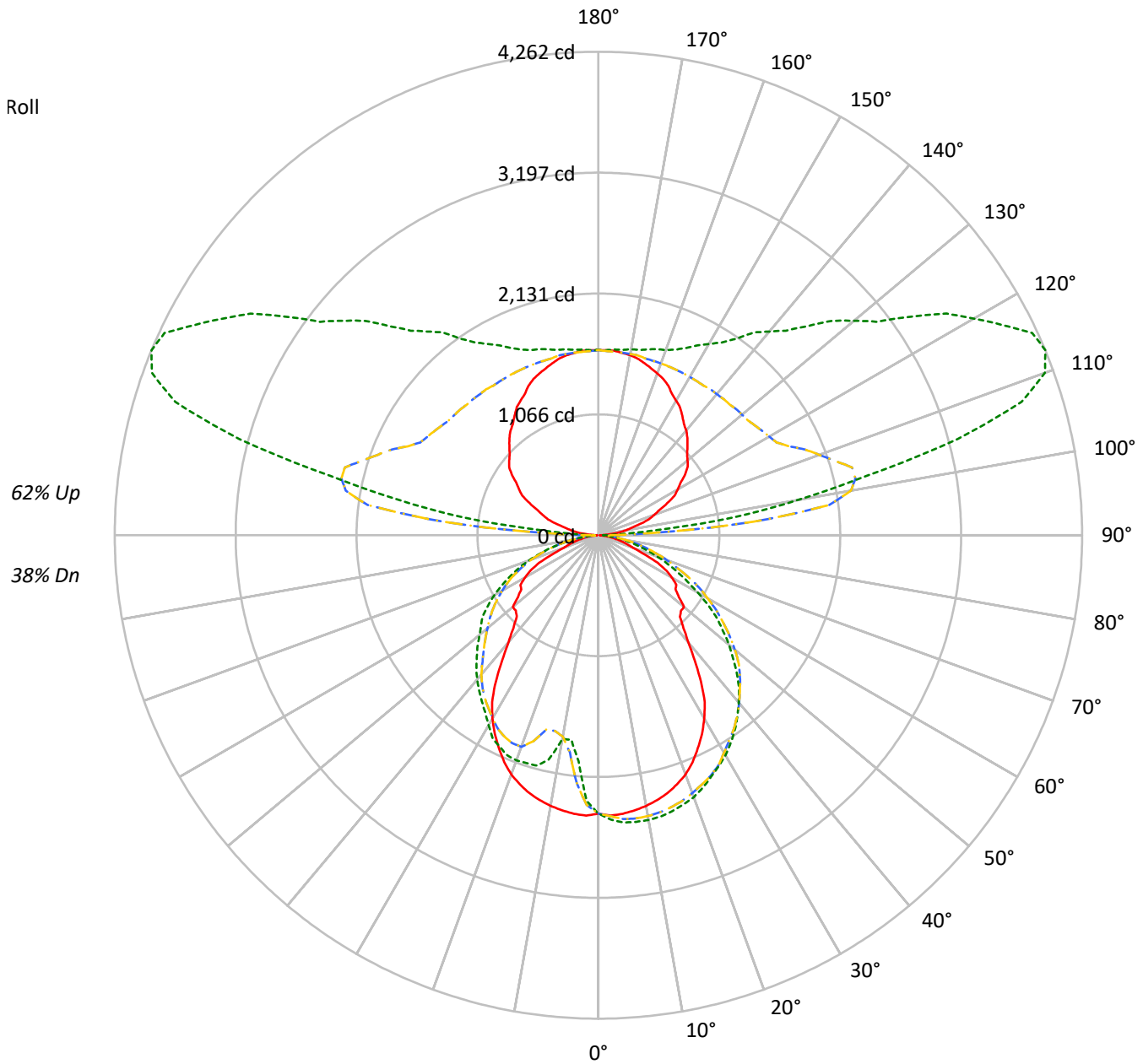
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16949.4 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 144.8
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	
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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38	38	38	38	
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32	32	32	32	
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27	27	27	27	
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23	23	23	23	
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19	19	19	19	
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17	17	17	17	
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15	15	15	15	
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13	13	13	13	
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12	12	12	12	
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10	10	10	10	
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9	9	9	9	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11382	11382	11382	11382
5°	11467	11490	11467	9034
10°	11390	11317	11390	8091
15°	11266	11073	11266	9246
20°	11031	10782	11031	9265
25°	10548	10358	10548	9069
30°	9925	10007	9925	8638
35°	8848	9562	8848	8164
40°	7373	9038	7373	7806
45°	6587	8425	6587	7394
50°	6998	7693	6998	6981
55°	6585	6906	6585	6742
60°	6787	5865	6787	6175
65°	6154	4848	6154	5419
70°	4261	3864	4261	4542
75°	3737	2856	3737	3420
80°	3011	1888	3011	2057
85°	1733	1000	1733	850

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10096 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.4	1.3
10°-20°	628.7	3.7
20°-30°	971.9	5.7
30°-40°	1160.3	6.8
40°-50°	1167.1	6.9
50°-60°	1015.5	6.0
60°-70°	720.0	4.2
70°-80°	380.9	2.2
80°-90°	101.1	0.6
90°-100°	795.8	4.7
100°-110°	2092.1	12.3
110°-120°	2169.2	12.8
120°-130°	1740.0	10.3
130°-140°	1365.3	8.1
140°-150°	1047.9	6.2
150°-160°	754.7	4.5
160°-170°	461.7	2.7
170°-180°	156.0	0.9
0°-30°	1822.1	10.8
0°-40°	2982.3	17.6
0°-60°	5164.9	30.5
0°-90°	6366.9	37.6
90°-120°	5057.0	29.8
90°-150°	9210.2	54.3
90°-180°	10583.0	62.4
0°-180°	16949.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2453	2453	2453	2453	2453	
5°	2465	2541	2465	1998	2465	234
15°	2353	2518	2353	2103	2353	662
25°	2072	2349	2072	2056	2072	952
35°	1576	2096	1576	1789	1576	975
45°	1016	1727	1016	1516	1016	814
55°	829	1274	829	1244	829	761
65°	576	768	576	859	576	550
75°	218	364	218	436	218	229
85°	37	93	37	79	37	50
90°	11	42	11	42	11	11
95°	105	481	105	481	105	117
105°	377	3276	377	3276	377	400
115°	669	4218	669	4218	669	661
125°	931	3359	931	3359	931	827
135°	1110	2606	1110	2606	1110	859
145°	1287	2114	1287	2114	1287	806
155°	1455	1821	1455	1821	1455	669
165°	1570	1696	1570	1696	1570	443
175°	1632	1643	1632	1643	1632	155
180°	1632	1632	1632	1632	1632	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2474.1	2474.1	2488.0	2492.6	2492.6	2485.7	2478.7	2485.7	2506.6	2513.5	2511.2
5°	2464.8	2483.3	2508.9	2513.5	2518.2	2515.8	2511.2	2515.8	2539.1	2543.7	2546.0
7.5°	2446.2	2481.0	2513.5	2520.5	2527.5	2520.5	2518.2	2522.8	2546.0	2550.7	2550.7
10°	2423.0	2471.7	2508.9	2513.5	2520.5	2513.5	2513.5	2522.8	2546.0	2550.7	2553.0
12.5°	2390.5	2457.8	2492.6	2497.3	2506.6	2504.2	2501.9	2511.2	2534.4	2539.1	2539.1
15°	2353.4	2432.3	2464.8	2469.4	2485.7	2481.0	2481.0	2490.3	2515.8	2522.8	2520.5
17.5°	2302.3	2399.8	2436.9	2443.9	2455.5	2453.2	2455.5	2464.8	2488.0	2492.6	2495.0
20°	2244.3	2355.7	2399.8	2406.7	2418.4	2418.4	2418.4	2430.0	2453.2	2462.5	2462.5
22.5°	2165.4	2309.3	2355.7	2360.3	2374.2	2374.2	2378.9	2395.1	2416.0	2418.4	2418.4
25°	2072.5	2258.2	2297.6	2311.6	2325.6	2332.5	2339.4	2348.8	2355.7	2353.4	2355.7
27.5°	1975.0	2193.2	2244.3	2253.5	2272.2	2279.1	2288.4	2290.7	2293.1	2300.0	2295.4
30°	1866.0	2102.7	2179.3	2188.6	2218.8	2223.4	2214.1	2218.8	2230.4	2235.0	2239.7
32.5°	1743.0	1968.1	2112.1	2132.9	2160.7	2146.8	2144.5	2151.5	2170.0	2170.0	2174.7
35°	1575.8	1863.7	2049.3	2067.9	2088.8	2072.5	2081.8	2084.1	2095.8	2102.7	2100.4
37.5°	1392.5	1773.1	1984.3	1998.3	2014.6	1993.7	2007.5	2014.6	2023.8	2019.2	2019.2
40°	1230.1	1631.6	1907.8	1917.1	1930.9	1914.7	1928.7	1933.3	1938.0	1933.3	1930.9
42.5°	1109.4	1476.1	1826.5	1838.1	1828.9	1840.5	1845.1	1854.4	1847.4	1838.1	1838.1
45°	1016.5	1434.3	1738.3	1752.3	1738.3	1757.0	1763.9	1763.9	1743.0	1738.3	1736.0
47.5°	986.4	1350.7	1650.2	1650.2	1643.2	1666.4	1678.0	1661.7	1640.8	1633.9	1633.9
50°	984.0	1257.9	1529.5	1520.2	1552.7	1580.5	1568.9	1552.7	1536.4	1510.9	1510.9
52.5°	893.6	1144.2	1373.9	1408.8	1459.8	1476.1	1457.5	1441.3	1413.4	1401.9	1392.5
55°	828.6	1025.9	1232.4	1302.0	1355.4	1376.3	1341.4	1325.3	1283.5	1276.5	1271.9
57.5°	814.6	854.1	1102.4	1190.6	1255.6	1253.2	1232.4	1202.2	1167.4	1160.4	1158.1
60°	747.3	617.4	963.1	1067.6	1134.9	1127.9	1109.4	1081.5	1049.0	1044.4	1039.7
62.5°	677.7	447.9	805.3	923.7	1018.8	1016.5	1000.3	958.5	935.3	923.7	914.4
65°	575.6	376.0	573.3	768.2	905.2	909.7	875.0	844.8	819.3	805.3	803.0
67.5°	438.6	306.4	387.6	640.5	796.1	791.4	747.3	733.4	700.9	693.9	680.0
70°	324.9	204.2	269.2	519.9	689.3	677.7	642.9	626.7	596.5	580.2	570.9
72.5°	269.2	164.8	197.3	403.8	580.2	566.3	536.1	517.6	492.0	478.1	468.8
75°	218.2	174.1	150.9	299.4	471.1	461.9	434.0	415.4	394.5	376.0	378.3
77.5°	160.1	162.5	120.7	220.5	373.6	359.8	343.5	320.3	311.0	292.5	292.5
80°	120.7	127.6	90.6	150.9	269.2	269.2	255.3	239.1	222.8	213.5	213.5
82.5°	81.2	81.2	67.3	95.1	183.4	176.4	167.1	162.5	153.2	148.5	148.5
85°	37.2	46.4	41.8	58.1	99.8	104.4	104.4	99.8	97.5	92.8	95.1
87.5°	11.6	20.9	25.6	32.5	51.0	53.4	55.7	55.7	55.7	58.1	58.1
90°	11.0	19.8	28.5	30.7	48.2	71.6	83.3	74.0	55.5	41.6	41.6
92.5°	43.8	118.3	192.9	211.5	297.3	411.7	468.9	411.0	295.1	208.2	199.9
95°	105.2	241.5	377.8	411.9	731.4	1157.5	1370.6	1223.0	928.0	706.7	681.6
97.5°	181.9	302.1	422.5	452.5	985.4	1695.8	2051.0	1957.7	1771.3	1631.4	1583.7
100°	241.0	350.1	459.2	486.5	1077.8	1866.0	2260.2	2267.1	2280.7	2290.9	2234.0
102.5°	291.4	393.2	494.9	520.4	1120.1	1919.6	2319.4	2438.3	2675.8	2854.0	2805.4
105°	376.9	463.0	549.3	570.8	1151.5	1925.7	2312.8	2579.2	3111.9	3511.4	3485.3
107.5°	464.5	544.9	625.2	645.3	1157.3	1840.0	2181.3	2552.9	3296.0	3853.3	3859.6
110°	523.7	596.3	668.8	686.9	1148.6	1764.1	2071.8	2487.2	3317.9	3940.9	3968.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	581.8	650.9	720.0	737.3	1148.9	1697.7	1972.0	2397.1	3247.3	3885.0	3926.9
115°	669.4	733.2	797.0	813.0	1159.5	1621.6	1852.7	2262.2	3081.2	3695.5	3753.5
117.5°	756.0	813.9	871.9	886.4	1181.1	1574.0	1770.5	2140.1	2879.2	3433.6	3498.0
120°	806.4	860.9	915.5	929.1	1198.6	1557.9	1737.6	2075.3	2750.8	3257.3	3319.8
122.5°	855.6	910.7	965.7	979.5	1223.8	1549.6	1712.4	2016.5	2624.7	3080.8	3142.6
125°	931.3	981.4	1031.6	1044.1	1257.7	1542.6	1685.0	1943.3	2459.9	2847.5	2904.3
127.5°	992.7	1043.2	1093.9	1106.6	1291.7	1538.6	1662.0	1883.8	2327.4	2660.1	2708.1
130°	1025.5	1080.0	1134.6	1148.2	1316.6	1541.0	1653.2	1850.7	2245.6	2541.8	2586.2
132.5°	1059.5	1114.0	1168.6	1182.2	1336.7	1542.6	1645.6	1822.3	2175.8	2441.0	2480.7
135°	1109.8	1159.5	1209.2	1221.6	1358.6	1541.2	1632.4	1780.5	2076.6	2298.6	2332.8
137.5°	1161.4	1210.6	1259.7	1272.0	1391.4	1550.6	1630.3	1755.5	2005.7	2193.4	2221.4
140°	1204.1	1249.4	1294.6	1305.9	1411.5	1552.2	1622.6	1730.7	1946.9	2109.1	2135.2
142.5°	1236.9	1278.8	1320.7	1331.2	1428.3	1557.8	1622.6	1717.5	1907.4	2049.9	2072.4
145°	1287.3	1323.9	1360.4	1369.5	1450.3	1557.8	1611.6	1689.2	1844.6	1961.2	1978.2
147.5°	1337.7	1373.3	1408.9	1417.8	1482.4	1568.6	1611.6	1672.7	1794.9	1886.6	1900.7
150°	1370.6	1402.7	1434.9	1442.9	1499.1	1574.1	1611.6	1663.2	1766.4	1843.9	1855.3
152.5°	1404.6	1428.9	1453.3	1459.4	1510.2	1577.8	1611.6	1655.7	1743.8	1809.9	1818.5
155°	1455.0	1473.0	1491.0	1495.5	1534.2	1585.8	1611.6	1646.6	1716.8	1769.4	1775.1
157.5°	1492.2	1509.8	1527.3	1531.7	1558.3	1593.9	1611.6	1638.9	1693.5	1734.4	1738.4
160°	1517.4	1531.1	1544.7	1548.1	1569.3	1597.5	1611.6	1635.0	1681.8	1716.8	1719.1
162.5°	1542.6	1552.8	1563.1	1565.7	1580.9	1601.4	1611.6	1631.4	1670.8	1700.4	1702.6
165°	1570.0	1579.2	1588.5	1590.8	1597.7	1606.9	1611.6	1625.7	1654.0	1675.2	1677.5
167.5°	1595.2	1599.6	1604.0	1605.1	1610.9	1618.7	1622.6	1631.8	1650.3	1664.2	1665.2
170°	1611.6	1616.0	1620.4	1621.5	1621.9	1622.3	1622.6	1631.8	1650.3	1664.2	1664.2
172.5°	1620.4	1621.3	1622.3	1622.6	1622.6	1622.6	1622.6	1629.9	1644.4	1655.4	1654.5
175°	1632.4	1632.4	1632.4	1632.4	1629.2	1624.8	1622.6	1627.2	1636.5	1643.4	1643.4
177.5°	1632.4	1632.4	1632.4	1632.4	1629.9	1626.4	1624.8	1628.5	1635.7	1641.2	1640.2
180°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2515.8	2508.9	2515.8	2511.2	2513.5	2506.6	2485.7	2478.7	2485.7	2492.6	2492.6
5°	2546.0	2541.4	2546.0	2546.0	2543.7	2539.1	2515.8	2511.2	2515.8	2518.2	2513.5
7.5°	2555.3	2548.3	2555.3	2550.7	2550.7	2546.0	2522.8	2518.2	2520.5	2527.5	2520.5
10°	2555.3	2548.3	2555.3	2553.0	2550.7	2546.0	2522.8	2513.5	2513.5	2520.5	2513.5
12.5°	2543.7	2539.1	2543.7	2539.1	2539.1	2534.4	2511.2	2501.9	2504.2	2506.6	2497.3
15°	2525.1	2518.2	2525.1	2520.5	2522.8	2515.8	2490.3	2481.0	2481.0	2485.7	2469.4
17.5°	2497.3	2488.0	2497.3	2495.0	2492.6	2488.0	2464.8	2455.5	2453.2	2455.5	2443.9
20°	2464.8	2457.8	2464.8	2462.5	2462.5	2453.2	2430.0	2418.4	2418.4	2418.4	2406.7
22.5°	2413.7	2406.7	2413.7	2418.4	2418.4	2416.0	2395.1	2378.9	2374.2	2374.2	2360.3
25°	2355.7	2348.8	2355.7	2355.7	2353.4	2355.7	2348.8	2339.4	2332.5	2325.6	2311.6
27.5°	2300.0	2295.4	2300.0	2295.4	2300.0	2293.1	2290.7	2288.4	2279.1	2272.2	2253.5
30°	2244.3	2239.7	2244.3	2239.7	2235.0	2230.4	2218.8	2214.1	2223.4	2218.8	2188.6
32.5°	2174.7	2170.0	2174.7	2174.7	2170.0	2170.0	2151.5	2144.5	2146.8	2160.7	2132.9
35°	2102.7	2095.8	2102.7	2100.4	2102.7	2095.8	2084.1	2081.8	2072.5	2088.8	2067.9
37.5°	2019.2	2012.2	2019.2	2019.2	2019.2	2023.8	2014.6	2007.5	1993.7	2014.6	1998.3
40°	1933.3	1924.0	1933.3	1930.9	1933.3	1938.0	1933.3	1928.7	1914.7	1930.9	1917.1
42.5°	1835.8	1833.5	1835.8	1838.1	1838.1	1847.4	1854.4	1845.1	1840.5	1828.9	1838.1
45°	1731.4	1726.7	1731.4	1736.0	1738.3	1743.0	1763.9	1763.9	1757.0	1738.3	1752.3
47.5°	1619.9	1608.3	1619.9	1633.9	1633.9	1640.8	1661.7	1678.0	1666.4	1643.2	1650.2
50°	1501.6	1503.9	1501.6	1510.9	1510.9	1536.4	1552.7	1568.9	1580.5	1552.7	1520.2
52.5°	1385.6	1383.2	1385.6	1392.5	1401.9	1413.4	1441.3	1457.5	1476.1	1459.8	1408.8
55°	1269.5	1274.2	1269.5	1271.9	1276.5	1283.5	1325.3	1341.4	1376.3	1355.4	1302.0
57.5°	1153.5	1146.5	1153.5	1158.1	1160.4	1167.4	1202.2	1232.4	1253.2	1255.6	1190.6
60°	1018.8	1009.6	1018.8	1039.7	1044.4	1049.0	1081.5	1109.4	1127.9	1134.9	1067.6
62.5°	900.5	884.3	900.5	914.4	923.7	935.3	958.5	1000.3	1016.5	1018.8	923.7
65°	775.2	768.2	775.2	803.0	805.3	819.3	844.8	875.0	909.7	905.2	768.2
67.5°	661.4	661.4	661.4	680.0	693.9	700.9	733.4	747.3	791.4	796.1	640.5
70°	557.0	554.7	557.0	570.9	580.2	596.5	626.7	642.9	677.7	689.3	519.9
72.5°	457.2	454.9	457.2	468.8	478.1	492.0	517.6	536.1	566.3	580.2	403.8
75°	369.1	364.4	369.1	378.3	376.0	394.5	415.4	434.0	461.9	471.1	299.4
77.5°	283.2	283.2	283.2	292.5	292.5	311.0	320.3	343.5	359.8	373.6	220.5
80°	211.2	208.9	211.2	213.5	213.5	222.8	239.1	255.3	269.2	269.2	150.9
82.5°	148.5	143.9	148.5	148.5	148.5	153.2	162.5	167.1	176.4	183.4	95.1
85°	92.8	92.8	92.8	95.1	92.8	97.5	99.8	104.4	104.4	99.8	58.1
87.5°	60.3	58.1	60.3	58.1	58.1	55.7	55.7	55.7	53.4	51.0	32.5
90°	41.6	41.6	41.6	41.6	41.6	55.5	74.0	83.3	71.6	48.2	30.7
92.5°	166.8	133.7	166.8	199.9	208.2	295.1	411.0	468.9	411.7	297.3	211.5
95°	581.3	481.0	581.3	681.6	706.7	928.0	1223.0	1370.6	1157.5	731.4	411.9
97.5°	1392.7	1201.9	1392.7	1583.7	1631.4	1771.3	1957.7	2051.0	1695.8	985.4	452.5
100°	2006.7	1779.3	2006.7	2234.0	2290.9	2280.7	2267.1	2260.2	1866.0	1077.8	486.5
102.5°	2610.6	2415.9	2610.6	2805.4	2854.0	2675.8	2438.3	2319.4	1919.6	1120.1	520.4
105°	3380.6	3275.9	3380.6	3485.3	3511.4	3111.9	2579.2	2312.8	1925.7	1151.5	570.8
107.5°	3884.9	3910.2	3884.9	3859.6	3853.3	3296.0	2552.9	2181.3	1840.0	1157.3	645.3
110°	4077.2	4186.3	4077.2	3968.2	3940.9	3317.9	2487.2	2071.8	1764.1	1148.6	686.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4094.4	4261.9	4094.4	3926.9	3885.0	3247.3	2397.1	1972.0	1697.7	1148.9	737.3
115°	3985.8	4218.0	3985.8	3753.5	3695.5	3081.2	2262.2	1852.7	1621.6	1159.5	813.0
117.5°	3755.6	4013.2	3755.6	3498.0	3433.6	2879.2	2140.1	1770.5	1574.0	1181.1	886.4
120°	3570.1	3820.3	3570.1	3319.8	3257.3	2750.8	2075.3	1737.6	1557.9	1198.6	929.1
122.5°	3389.5	3636.3	3389.5	3142.6	3080.8	2624.7	2016.5	1712.4	1549.6	1223.8	979.5
125°	3131.8	3359.2	3131.8	2904.3	2847.5	2459.9	1943.3	1685.0	1542.6	1257.7	1044.1
127.5°	2900.0	3091.8	2900.0	2708.1	2660.1	2327.4	1883.8	1662.0	1538.6	1291.7	1106.6
130°	2763.4	2940.6	2763.4	2586.2	2541.8	2245.6	1850.7	1653.2	1541.0	1316.6	1148.2
132.5°	2639.4	2798.2	2639.4	2480.7	2441.0	2175.8	1822.3	1645.6	1542.6	1336.7	1182.2
135°	2469.6	2606.4	2469.6	2332.8	2298.6	2076.6	1780.5	1632.4	1541.2	1358.6	1221.6
137.5°	2333.4	2445.4	2333.4	2221.4	2193.4	2005.7	1755.5	1630.3	1550.6	1391.4	1272.0
140°	2239.9	2344.6	2239.9	2135.2	2109.1	1946.9	1730.7	1622.6	1552.2	1411.5	1305.9
142.5°	2162.5	2252.6	2162.5	2072.4	2049.9	1907.4	1717.5	1622.6	1557.8	1428.3	1331.2
145°	2046.4	2114.5	2046.4	1978.2	1961.2	1844.6	1689.2	1611.6	1557.8	1450.3	1369.5
147.5°	1957.2	2013.7	1957.2	1900.7	1886.6	1794.9	1672.7	1611.6	1568.6	1482.4	1417.8
150°	1901.2	1946.9	1901.2	1855.3	1843.9	1766.4	1663.2	1611.6	1574.1	1499.1	1442.9
152.5°	1853.1	1887.7	1853.1	1818.5	1809.9	1743.8	1655.7	1611.6	1577.8	1510.2	1459.4
155°	1798.1	1820.9	1798.1	1775.1	1769.4	1716.8	1646.6	1611.6	1585.8	1534.2	1495.5
157.5°	1754.4	1770.5	1754.4	1738.4	1734.4	1693.5	1638.9	1611.6	1593.9	1558.3	1531.7
160°	1728.4	1737.6	1728.4	1719.1	1716.8	1681.8	1635.0	1611.6	1597.5	1569.3	1548.1
162.5°	1711.3	1720.1	1711.3	1702.6	1700.4	1670.8	1631.4	1611.6	1601.4	1580.9	1565.7
165°	1686.8	1696.0	1686.8	1677.5	1675.2	1654.0	1625.7	1611.6	1606.9	1597.7	1590.8
167.5°	1669.1	1673.0	1669.1	1665.2	1664.2	1650.3	1631.8	1622.6	1618.7	1610.9	1605.1
170°	1664.2	1664.2	1664.2	1664.2	1664.2	1650.3	1631.8	1622.6	1622.3	1621.9	1621.5
172.5°	1651.2	1647.8	1651.2	1654.5	1655.4	1644.4	1629.9	1622.6	1622.6	1622.6	1622.6
175°	1643.4	1643.4	1643.4	1643.4	1643.4	1636.5	1627.2	1622.6	1624.8	1629.2	1632.4
177.5°	1636.3	1632.4	1636.3	1640.2	1641.2	1635.7	1628.5	1624.8	1626.4	1629.9	1632.4
180°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2488.0	2474.1	2474.1	2450.9	2441.6	2434.7	2423.0	2388.2	2378.9	2369.7	2383.5
5°	2508.9	2483.3	2464.8	2423.0	2388.2	2374.2	2330.1	2246.6	2190.9	2149.1	2125.9
7.5°	2513.5	2481.0	2446.2	2381.2	2297.6	2260.6	2125.9	1972.8	1930.9	1893.9	1870.6
10°	2508.9	2471.7	2423.0	2325.6	2128.2	2063.3	1928.7	1828.9	1803.3	1796.4	1803.3
12.5°	2492.6	2457.8	2390.5	2228.1	1951.8	1907.8	1828.9	1770.8	1766.2	1777.8	1840.5
15°	2464.8	2432.3	2353.4	2098.1	1854.4	1821.9	1766.2	1745.3	1770.8	1852.1	2040.0
17.5°	2436.9	2399.8	2302.3	1970.5	1780.1	1757.0	1717.4	1759.2	1903.1	2012.2	2074.9
20°	2399.8	2355.7	2244.3	1877.6	1726.7	1705.8	1687.3	1875.3	1984.3	2023.8	2058.6
22.5°	2355.7	2309.3	2165.4	1812.6	1671.1	1654.8	1666.4	1940.3	1984.3	2012.2	2042.4
25°	2297.6	2258.2	2072.5	1761.5	1627.0	1608.3	1652.4	1933.3	1958.8	1965.8	2026.2
27.5°	2244.3	2193.2	1975.0	1715.1	1573.6	1566.6	1664.1	1903.1	1921.7	1928.7	1993.7
30°	2179.3	2102.7	1866.0	1666.4	1517.9	1515.5	1666.4	1866.0	1861.4	1879.9	1944.9
32.5°	2112.1	1968.1	1743.0	1606.1	1464.5	1462.2	1650.2	1810.3	1805.6	1831.2	1879.9
35°	2049.3	1863.7	1575.8	1536.4	1397.2	1399.5	1610.7	1745.3	1747.6	1770.8	1801.0
37.5°	1984.3	1773.1	1392.5	1459.8	1332.2	1332.2	1557.3	1684.9	1680.4	1687.3	1729.0
40°	1907.8	1631.6	1230.1	1360.0	1271.9	1264.8	1492.3	1619.9	1603.7	1601.4	1659.5
42.5°	1826.5	1476.1	1109.4	1227.8	1202.2	1192.9	1413.4	1541.1	1510.9	1517.9	1592.1
45°	1738.3	1434.3	1016.5	1037.4	1130.3	1123.3	1327.6	1450.5	1429.7	1448.2	1524.8
47.5°	1650.2	1350.7	986.4	861.1	1053.7	1051.3	1232.4	1362.3	1350.7	1369.4	1450.5
50°	1529.5	1257.9	984.0	738.0	967.8	977.1	1118.7	1276.5	1276.5	1292.8	1378.6
52.5°	1373.9	1144.2	893.6	668.4	868.0	895.9	1018.8	1202.2	1206.9	1223.1	1299.7
55°	1232.4	1025.9	828.6	615.1	749.6	810.0	921.4	1125.6	1134.9	1151.2	1220.8
57.5°	1102.4	854.1	814.6	552.4	640.5	698.6	835.5	1051.3	1056.0	1069.9	1137.2
60°	963.1	617.4	747.3	485.1	545.4	589.5	756.6	963.1	979.4	988.7	1046.8
62.5°	805.3	447.9	677.7	438.6	499.0	508.3	691.7	879.6	900.5	907.5	942.2
65°	573.3	376.0	575.6	399.2	450.2	452.6	622.0	793.7	812.3	823.9	849.4
67.5°	387.6	306.4	438.6	362.0	413.2	415.4	554.7	693.9	719.5	728.7	745.0
70°	269.2	204.2	324.9	322.6	371.3	376.0	482.7	603.4	626.7	633.6	642.9
72.5°	197.3	164.8	269.2	290.1	327.3	331.9	408.5	501.3	524.5	531.5	536.1
75°	150.9	174.1	218.2	253.0	278.5	280.8	334.2	408.5	424.7	429.4	431.7
77.5°	120.7	162.5	160.1	204.2	227.5	222.8	262.3	315.7	329.5	329.5	329.5
80°	90.6	127.6	120.7	146.2	167.1	162.5	188.0	225.1	229.8	234.4	232.0
82.5°	67.3	81.2	81.2	92.8	111.4	106.8	125.3	146.2	146.2	146.2	150.9
85°	41.8	46.4	37.2	48.7	62.6	60.3	69.6	78.9	81.2	81.2	76.6
87.5°	25.6	20.9	11.6	18.5	27.8	27.8	32.5	34.8	32.5	32.5	32.5
90°	28.5	19.8	11.0	19.8	28.5	30.7	48.2	71.6	83.3	74.0	55.5
92.5°	192.9	118.3	43.8	118.3	192.9	211.5	297.3	411.7	468.9	411.0	295.1
95°	377.8	241.5	105.2	241.5	377.8	411.9	731.4	1157.5	1370.6	1223.0	928.0
97.5°	422.5	302.1	181.9	302.1	422.5	452.5	985.4	1695.8	2051.0	1957.7	1771.3
100°	459.2	350.1	241.0	350.1	459.2	486.5	1077.8	1866.0	2260.2	2267.1	2280.7
102.5°	494.9	393.2	291.4	393.2	494.9	520.4	1120.1	1919.6	2319.4	2438.3	2675.8
105°	549.3	463.0	376.9	463.0	549.3	570.8	1151.5	1925.7	2312.8	2579.2	3111.9
107.5°	625.2	544.9	464.5	544.9	625.2	645.3	1157.3	1840.0	2181.3	2552.9	3296.0
110°	668.8	596.3	523.7	596.3	668.8	686.9	1148.6	1764.1	2071.8	2487.2	3317.9



TEST NUMBER: P936065

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	720.0	650.9	581.8	650.9	720.0	737.3	1148.9	1697.7	1972.0	2397.1	3247.3
115°	797.0	733.2	669.4	733.2	797.0	813.0	1159.5	1621.6	1852.7	2262.2	3081.2
117.5°	871.9	813.9	756.0	813.9	871.9	886.4	1181.1	1574.0	1770.5	2140.1	2879.2
120°	915.5	860.9	806.4	860.9	915.5	929.1	1198.6	1557.9	1737.6	2075.3	2750.8
122.5°	965.7	910.7	855.6	910.7	965.7	979.5	1223.8	1549.6	1712.4	2016.5	2624.7
125°	1031.6	981.4	931.3	981.4	1031.6	1044.1	1257.7	1542.6	1685.0	1943.3	2459.9
127.5°	1093.9	1043.2	992.7	1043.2	1093.9	1106.6	1291.7	1538.6	1662.0	1883.8	2327.4
130°	1134.6	1080.0	1025.5	1080.0	1134.6	1148.2	1316.6	1541.0	1653.2	1850.7	2245.6
132.5°	1168.6	1114.0	1059.5	1114.0	1168.6	1182.2	1336.7	1542.6	1645.6	1822.3	2175.8
135°	1209.2	1159.5	1109.8	1159.5	1209.2	1221.6	1358.6	1541.2	1632.4	1780.5	2076.6
137.5°	1259.7	1210.6	1161.4	1210.6	1259.7	1272.0	1391.4	1550.6	1630.3	1755.5	2005.7
140°	1294.6	1249.4	1204.1	1249.4	1294.6	1305.9	1411.5	1552.2	1622.6	1730.7	1946.9
142.5°	1320.7	1278.8	1236.9	1278.8	1320.7	1331.2	1428.3	1557.8	1622.6	1717.5	1907.4
145°	1360.4	1323.9	1287.3	1323.9	1360.4	1369.5	1450.3	1557.8	1611.6	1689.2	1844.6
147.5°	1408.9	1373.3	1337.7	1373.3	1408.9	1417.8	1482.4	1568.6	1611.6	1672.7	1794.9
150°	1434.9	1402.7	1370.6	1402.7	1434.9	1442.9	1499.1	1574.1	1611.6	1663.2	1766.4
152.5°	1453.3	1428.9	1404.6	1428.9	1453.3	1459.4	1510.2	1577.8	1611.6	1655.7	1743.8
155°	1491.0	1473.0	1455.0	1473.0	1491.0	1495.5	1534.2	1585.8	1611.6	1646.6	1716.8
157.5°	1527.3	1509.8	1492.2	1509.8	1527.3	1531.7	1558.3	1593.9	1611.6	1638.9	1693.5
160°	1544.7	1531.1	1517.4	1531.1	1544.7	1548.1	1569.3	1597.5	1611.6	1635.0	1681.8
162.5°	1563.1	1552.8	1542.6	1552.8	1563.1	1565.7	1580.9	1601.4	1611.6	1631.4	1670.8
165°	1588.5	1579.2	1570.0	1579.2	1588.5	1590.8	1597.7	1606.9	1611.6	1625.7	1654.0
167.5°	1604.0	1599.6	1595.2	1599.6	1604.0	1605.1	1610.9	1618.7	1622.6	1631.8	1650.3
170°	1620.4	1616.0	1611.6	1616.0	1620.4	1621.5	1621.9	1622.3	1622.6	1631.8	1650.3
172.5°	1622.3	1621.3	1620.4	1621.3	1622.3	1622.6	1622.6	1622.6	1622.6	1629.9	1644.4
175°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1629.2	1624.8	1622.6	1627.2	1636.5
177.5°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1629.9	1626.4	1624.8	1628.5	1635.7
180°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4



TEST NUMBER: P936065
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2367.3	2360.3	2369.7	2344.1	2369.7	2360.3	2367.3	2383.5	2369.7	2378.9	2388.2
5°	2077.2	2065.6	2028.4	1998.3	2028.4	2065.6	2077.2	2125.9	2149.1	2190.9	2246.6
7.5°	1856.7	1847.4	1838.1	1819.6	1838.1	1847.4	1856.7	1870.6	1893.9	1930.9	1972.8
10°	1808.0	1810.3	1824.2	1821.9	1824.2	1810.3	1808.0	1803.3	1796.4	1803.3	1828.9
12.5°	1933.3	1954.2	2030.8	2026.2	2030.8	1954.2	1933.3	1840.5	1777.8	1766.2	1770.8
15°	2077.2	2084.1	2100.4	2102.7	2100.4	2084.1	2077.2	2040.0	1852.1	1770.8	1745.3
17.5°	2091.1	2093.4	2105.0	2105.0	2105.0	2093.4	2091.1	2074.9	2012.2	1903.1	1759.2
20°	2079.6	2084.1	2107.4	2112.1	2107.4	2084.1	2079.6	2058.6	2023.8	1984.3	1875.3
22.5°	2074.9	2084.1	2102.7	2100.4	2102.7	2084.1	2074.9	2042.4	2012.2	1984.3	1940.3
25°	2051.6	2051.6	2054.0	2056.3	2054.0	2051.6	2051.6	2026.2	1965.8	1958.8	1933.3
27.5°	2003.0	2007.5	2021.5	2019.2	2021.5	2007.5	2003.0	1993.7	1928.7	1921.7	1903.1
30°	1958.8	1954.2	1942.5	1933.3	1942.5	1954.2	1958.8	1944.9	1879.9	1861.4	1866.0
32.5°	1884.6	1873.0	1861.4	1854.4	1861.4	1873.0	1884.6	1879.9	1831.2	1805.6	1810.3
35°	1796.4	1798.7	1796.4	1789.4	1796.4	1798.7	1796.4	1801.0	1770.8	1747.6	1745.3
37.5°	1733.7	1738.3	1736.0	1726.7	1736.0	1738.3	1733.7	1729.0	1687.3	1680.4	1684.9
40°	1668.7	1671.1	1668.7	1661.7	1668.7	1671.1	1668.7	1659.5	1601.4	1603.7	1619.9
42.5°	1606.1	1603.7	1596.8	1592.1	1596.8	1603.7	1606.1	1592.1	1517.9	1510.9	1541.1
45°	1534.1	1536.4	1522.5	1515.5	1522.5	1536.4	1534.1	1524.8	1448.2	1429.7	1450.5
47.5°	1462.2	1462.2	1450.5	1443.6	1450.5	1462.2	1462.2	1450.5	1369.4	1350.7	1362.3
50°	1385.6	1383.2	1367.0	1364.7	1367.0	1383.2	1385.6	1378.6	1292.8	1276.5	1276.5
52.5°	1297.3	1297.3	1299.7	1304.4	1299.7	1297.3	1297.3	1299.7	1223.1	1206.9	1202.2
55°	1220.8	1223.1	1239.4	1244.0	1239.4	1223.1	1220.8	1220.8	1151.2	1134.9	1125.6
57.5°	1141.9	1141.9	1153.5	1153.5	1153.5	1141.9	1141.9	1137.2	1069.9	1056.0	1051.3
60°	1051.3	1056.0	1065.3	1063.0	1065.3	1056.0	1051.3	1046.8	988.7	979.4	963.1
62.5°	956.2	960.9	963.1	958.5	963.1	960.9	956.2	942.2	907.5	900.5	879.6
65°	856.4	861.1	863.4	858.7	863.4	861.1	856.4	849.4	823.9	812.3	793.7
67.5°	754.3	752.0	749.6	758.9	749.6	752.0	754.3	745.0	728.7	719.5	693.9
70°	649.9	649.9	647.5	652.1	647.5	649.9	649.9	642.9	633.6	626.7	603.4
72.5°	538.5	536.1	545.4	538.5	545.4	536.1	538.5	536.1	531.5	524.5	501.3
75°	429.4	434.0	429.4	436.3	429.4	434.0	429.4	431.7	429.4	424.7	408.5
77.5°	327.3	331.9	327.3	327.3	327.3	331.9	327.3	329.5	329.5	329.5	315.7
80°	232.0	229.8	229.8	227.5	229.8	229.8	232.0	232.0	234.4	229.8	225.1
82.5°	148.5	146.2	146.2	150.9	146.2	146.2	148.5	150.9	146.2	146.2	146.2
85°	81.2	83.5	78.9	78.9	78.9	83.5	81.2	76.6	81.2	81.2	78.9
87.5°	30.2	27.8	27.8	27.8	27.8	27.8	30.2	32.5	32.5	32.5	34.8
90°	41.6	41.6	41.6	41.6	41.6	41.6	41.6	55.5	74.0	83.3	71.6
92.5°	208.2	199.9	166.8	133.7	166.8	199.9	208.2	295.1	411.0	468.9	411.7
95°	706.7	681.6	581.3	481.0	581.3	681.6	706.7	928.0	1223.0	1370.6	1157.5
97.5°	1631.4	1583.7	1392.7	1201.9	1392.7	1583.7	1631.4	1771.3	1957.7	2051.0	1695.8
100°	2290.9	2234.0	2006.7	1779.3	2006.7	2234.0	2290.9	2280.7	2267.1	2260.2	1866.0
102.5°	2854.0	2805.4	2610.6	2415.9	2610.6	2805.4	2854.0	2675.8	2438.3	2319.4	1919.6
105°	3511.4	3485.3	3380.6	3275.9	3380.6	3485.3	3511.4	3111.9	2579.2	2312.8	1925.7
107.5°	3853.3	3859.6	3884.9	3910.2	3884.9	3859.6	3853.3	3296.0	2552.9	2181.3	1840.0
110°	3940.9	3968.2	4077.2	4186.3	4077.2	3968.2	3940.9	3317.9	2487.2	2071.8	1764.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3885.0	3926.9	4094.4	4261.9	4094.4	3926.9	3885.0	3247.3	2397.1	1972.0	1697.7
115°	3695.5	3753.5	3985.8	4218.0	3985.8	3753.5	3695.5	3081.2	2262.2	1852.7	1621.6
117.5°	3433.6	3498.0	3755.6	4013.2	3755.6	3498.0	3433.6	2879.2	2140.1	1770.5	1574.0
120°	3257.3	3319.8	3570.1	3820.3	3570.1	3319.8	3257.3	2750.8	2075.3	1737.6	1557.9
122.5°	3080.8	3142.6	3389.5	3636.3	3389.5	3142.6	3080.8	2624.7	2016.5	1712.4	1549.6
125°	2847.5	2904.3	3131.8	3359.2	3131.8	2904.3	2847.5	2459.9	1943.3	1685.0	1542.6
127.5°	2660.1	2708.1	2900.0	3091.8	2900.0	2708.1	2660.1	2327.4	1883.8	1662.0	1538.6
130°	2541.8	2586.2	2763.4	2940.6	2763.4	2586.2	2541.8	2245.6	1850.7	1653.2	1541.0
132.5°	2441.0	2480.7	2639.4	2798.2	2639.4	2480.7	2441.0	2175.8	1822.3	1645.6	1542.6
135°	2298.6	2332.8	2469.6	2606.4	2469.6	2332.8	2298.6	2076.6	1780.5	1632.4	1541.2
137.5°	2193.4	2221.4	2333.4	2445.4	2333.4	2221.4	2193.4	2005.7	1755.5	1630.3	1550.6
140°	2109.1	2135.2	2239.9	2344.6	2239.9	2135.2	2109.1	1946.9	1730.7	1622.6	1552.2
142.5°	2049.9	2072.4	2162.5	2252.6	2162.5	2072.4	2049.9	1907.4	1717.5	1622.6	1557.8
145°	1961.2	1978.2	2046.4	2114.5	2046.4	1978.2	1961.2	1844.6	1689.2	1611.6	1557.8
147.5°	1886.6	1900.7	1957.2	2013.7	1957.2	1900.7	1886.6	1794.9	1672.7	1611.6	1568.6
150°	1843.9	1855.3	1901.2	1946.9	1901.2	1855.3	1843.9	1766.4	1663.2	1611.6	1574.1
152.5°	1809.9	1818.5	1853.1	1887.7	1853.1	1818.5	1809.9	1743.8	1655.7	1611.6	1577.8
155°	1769.4	1775.1	1798.1	1820.9	1798.1	1775.1	1769.4	1716.8	1646.6	1611.6	1585.8
157.5°	1734.4	1738.4	1754.4	1770.5	1754.4	1738.4	1734.4	1693.5	1638.9	1611.6	1593.9
160°	1716.8	1719.1	1728.4	1737.6	1728.4	1719.1	1716.8	1681.8	1635.0	1611.6	1597.5
162.5°	1700.4	1702.6	1711.3	1720.1	1711.3	1702.6	1700.4	1670.8	1631.4	1611.6	1601.4
165°	1675.2	1677.5	1686.8	1696.0	1686.8	1677.5	1675.2	1654.0	1625.7	1611.6	1606.9
167.5°	1664.2	1665.2	1669.1	1673.0	1669.1	1665.2	1664.2	1650.3	1631.8	1622.6	1618.7
170°	1664.2	1664.2	1664.2	1664.2	1664.2	1664.2	1664.2	1650.3	1631.8	1622.6	1622.3
172.5°	1655.4	1654.5	1651.2	1647.8	1651.2	1654.5	1655.4	1644.4	1629.9	1622.6	1622.6
175°	1643.4	1643.4	1643.4	1643.4	1643.4	1643.4	1643.4	1636.5	1627.2	1622.6	1624.8
177.5°	1641.2	1640.2	1636.3	1632.4	1636.3	1640.2	1641.2	1635.7	1628.5	1624.8	1626.4
180°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2423.0	2434.7	2441.6	2450.9	2474.1
5°	2330.1	2374.2	2388.2	2423.0	2464.8
7.5°	2125.9	2260.6	2297.6	2381.2	2446.2
10°	1928.7	2063.3	2128.2	2325.6	2423.0
12.5°	1828.9	1907.8	1951.8	2228.1	2390.5
15°	1766.2	1821.9	1854.4	2098.1	2353.4
17.5°	1717.4	1757.0	1780.1	1970.5	2302.3
20°	1687.3	1705.8	1726.7	1877.6	2244.3
22.5°	1666.4	1654.8	1671.1	1812.6	2165.4
25°	1652.4	1608.3	1627.0	1761.5	2072.5
27.5°	1664.1	1566.6	1573.6	1715.1	1975.0
30°	1666.4	1515.5	1517.9	1666.4	1866.0
32.5°	1650.2	1462.2	1464.5	1606.1	1743.0
35°	1610.7	1399.5	1397.2	1536.4	1575.8
37.5°	1557.3	1332.2	1332.2	1459.8	1392.5
40°	1492.3	1264.8	1271.9	1360.0	1230.1
42.5°	1413.4	1192.9	1202.2	1227.8	1109.4
45°	1327.6	1123.3	1130.3	1037.4	1016.5
47.5°	1232.4	1051.3	1053.7	861.1	986.4
50°	1118.7	977.1	967.8	738.0	984.0
52.5°	1018.8	895.9	868.0	668.4	893.6
55°	921.4	810.0	749.6	615.1	828.6
57.5°	835.5	698.6	640.5	552.4	814.6
60°	756.6	589.5	545.4	485.1	747.3
62.5°	691.7	508.3	499.0	438.6	677.7
65°	622.0	452.6	450.2	399.2	575.6
67.5°	554.7	415.4	413.2	362.0	438.6
70°	482.7	376.0	371.3	322.6	324.9
72.5°	408.5	331.9	327.3	290.1	269.2
75°	334.2	280.8	278.5	253.0	218.2
77.5°	262.3	222.8	227.5	204.2	160.1
80°	188.0	162.5	167.1	146.2	120.7
82.5°	125.3	106.8	111.4	92.8	81.2
85°	69.6	60.3	62.6	48.7	37.2
87.5°	32.5	27.8	27.8	18.5	11.6
90°	48.2	30.7	28.5	19.8	11.0
92.5°	297.3	211.5	192.9	118.3	43.8
95°	731.4	411.9	377.8	241.5	105.2
97.5°	985.4	452.5	422.5	302.1	181.9
100°	1077.8	486.5	459.2	350.1	241.0
102.5°	1120.1	520.4	494.9	393.2	291.4
105°	1151.5	570.8	549.3	463.0	376.9
107.5°	1157.3	645.3	625.2	544.9	464.5
110°	1148.6	686.9	668.8	596.3	523.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1148.9	737.3	720.0	650.9	581.8
115°	1159.5	813.0	797.0	733.2	669.4
117.5°	1181.1	886.4	871.9	813.9	756.0
120°	1198.6	929.1	915.5	860.9	806.4
122.5°	1223.8	979.5	965.7	910.7	855.6
125°	1257.7	1044.1	1031.6	981.4	931.3
127.5°	1291.7	1106.6	1093.9	1043.2	992.7
130°	1316.6	1148.2	1134.6	1080.0	1025.5
132.5°	1336.7	1182.2	1168.6	1114.0	1059.5
135°	1358.6	1221.6	1209.2	1159.5	1109.8
137.5°	1391.4	1272.0	1259.7	1210.6	1161.4
140°	1411.5	1305.9	1294.6	1249.4	1204.1
142.5°	1428.3	1331.2	1320.7	1278.8	1236.9
145°	1450.3	1369.5	1360.4	1323.9	1287.3
147.5°	1482.4	1417.8	1408.9	1373.3	1337.7
150°	1499.1	1442.9	1434.9	1402.7	1370.6
152.5°	1510.2	1459.4	1453.3	1428.9	1404.6
155°	1534.2	1495.5	1491.0	1473.0	1455.0
157.5°	1558.3	1531.7	1527.3	1509.8	1492.2
160°	1569.3	1548.1	1544.7	1531.1	1517.4
162.5°	1580.9	1565.7	1563.1	1552.8	1542.6
165°	1597.7	1590.8	1588.5	1579.2	1570.0
167.5°	1610.9	1605.1	1604.0	1599.6	1595.2
170°	1621.9	1621.5	1620.4	1616.0	1611.6
172.5°	1622.6	1622.6	1622.3	1621.3	1620.4
175°	1629.2	1632.4	1632.4	1632.4	1632.4
177.5°	1629.9	1632.4	1632.4	1632.4	1632.4
180°	1632.4	1632.4	1632.4	1632.4	1632.4



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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	11.98	12.74	13.04	13.80	15.24	14.82	15.58	15.88	16.64	18.08
	3H	12.45	13.13	13.52	14.20	15.66	16.16	16.84	17.23	17.91	19.37
	4H	12.64	13.28	13.72	14.36	15.82	16.60	17.25	17.68	18.32	19.78
	6H	12.75	13.35	13.84	14.42	15.90	16.88	17.48	17.97	18.55	20.03
	8H	12.75	13.32	13.84	14.41	15.88	16.96	17.52	18.05	18.61	20.08
	12H	12.72	13.26	13.82	14.34	15.83	16.99	17.53	18.09	18.61	20.11
4H	2H	13.01	13.65	14.09	14.72	16.19	15.22	15.86	16.30	16.93	18.40
	3H	14.02	14.56	15.12	15.66	17.14	16.72	17.25	17.81	18.35	19.83
	4H	14.30	14.79	15.39	15.88	17.37	17.24	17.74	18.34	18.82	20.32
	6H	14.41	14.84	15.52	15.95	17.44	17.60	18.03	18.71	19.14	20.63
	8H	14.42	14.81	15.52	15.92	17.42	17.71	18.10	18.81	19.21	20.71
	12H	14.38	14.74	15.50	15.85	17.37	17.76	18.12	18.88	19.24	20.75
8H	4H	14.74	15.14	15.85	16.24	17.75	17.36	17.75	18.46	18.86	20.36
	6H	15.00	15.33	16.13	16.47	17.97	17.79	18.12	18.92	19.26	20.77
	8H	15.04	15.33	16.17	16.45	17.98	17.94	18.23	19.08	19.36	20.88
	12H	15.02	15.27	16.16	16.39	17.95	18.04	18.29	19.18	19.41	20.97
12H	4H	14.74	15.10	15.87	16.22	17.73	17.32	17.68	18.44	18.79	20.30
	6H	15.06	15.35	16.19	16.47	18.00	17.79	18.07	18.92	19.20	20.72
	8H	15.12	15.37	16.26	16.50	18.06	17.95	18.20	19.08	19.32	20.88