

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: P935521

Luminaire Tested: SQ4-FA-125U-075D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

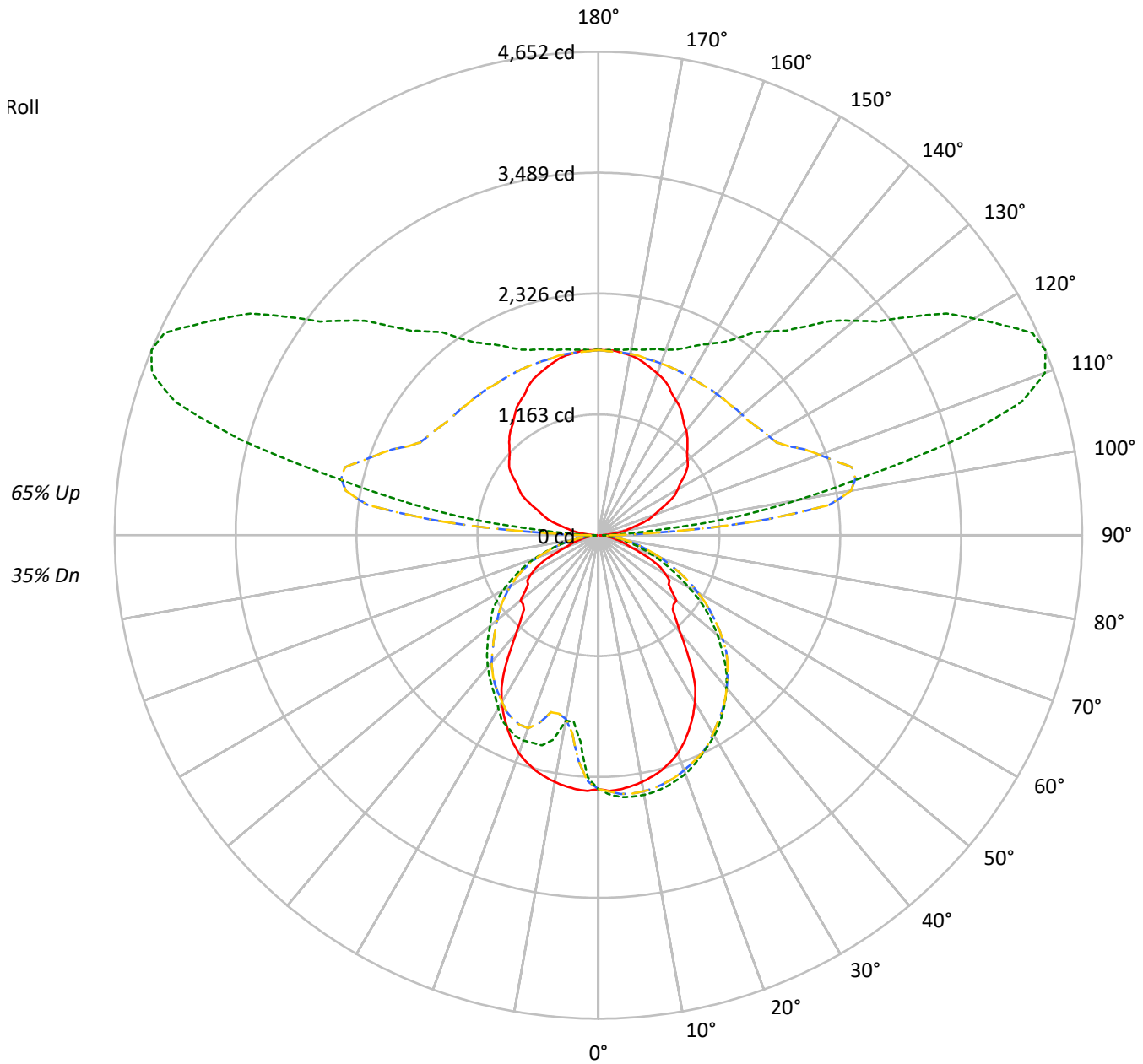
Test Method: LM-79-2019  
Report Number: P935521  
REPORT IS A COMBINATION OF REPORTS P933757 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-927-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17890.1 lumens  
Efficiency: N/A  
Efficacy: 107.3 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): 166.8  
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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35				35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30				30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25				25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21				21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18				18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16				16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14				14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12				12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11				11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10				10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9				9

**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	1.2
10°-20°	625.8	3.5
20°-30°	967.4	5.4
30°-40°	1154.8	6.5
40°-50°	1161.6	6.5
50°-60°	1010.7	5.6
60°-70°	716.6	4.0
70°-80°	379.1	2.1
80°-90°	101.2	0.6
90°-100°	868.7	4.9
100°-110°	2283.8	12.8
110°-120°	2368.0	13.2
120°-130°	1899.5	10.6
130°-140°	1490.4	8.3
140°-150°	1143.9	6.4
150°-160°	823.8	4.6
160°-170°	504.1	2.8
170°-180°	170.3	1.0
0°-30°	1813.6	10.1
0°-40°	2968.4	16.6
0°-60°	5140.7	28.7
0°-90°	6337.7	35.4
90°-120°	5520.5	30.9
90°-150°	10054.3	56.2
90°-180°	11552.0	64.6
0°-180°	17890.1	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°	12	45	12	45	12	11
95°	115	525	115	525	115	127
105°	411	3576	411	3576	411	436
115°	731	4605	731	4605	731	722
125°	1017	3667	1017	3667	1017	903
135°	1212	2845	1212	2845	1212	937
145°	1405	2308	1405	2308	1405	880
155°	1588	1988	1588	1988	1588	730
165°	1714	1852	1714	1852	1714	484
175°	1782	1794	1782	1794	1782	169
180°	1782	1782	1782	1782	1782	



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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°	11.9	21.5	31.1	33.5	52.6	78.1	90.9	80.8	60.6	45.4	45.4
92.5°	47.8	129.1	210.5	230.8	324.6	449.4	511.9	448.6	322.1	227.2	218.2
95°	114.8	263.6	412.5	449.7	798.5	1263.6	1496.2	1335.1	1013.0	771.5	744.1
97.5°	198.5	329.8	461.2	494.0	1075.6	1851.2	2238.9	2137.1	1933.5	1780.9	1728.7
100°	263.1	382.2	501.3	531.1	1176.5	2037.1	2467.4	2474.9	2489.7	2500.9	2438.8
102.5°	318.2	429.3	540.3	568.1	1222.8	2095.6	2532.0	2661.7	2921.1	3115.7	3062.5
105°	411.4	505.5	599.6	623.2	1257.0	2102.2	2524.8	2815.5	3397.1	3833.2	3804.6
107.5°	507.1	594.8	682.5	704.5	1263.4	2008.7	2381.3	2786.9	3598.0	4206.4	4213.3
110°	571.7	650.9	730.1	749.9	1253.8	1925.7	2261.6	2715.1	3621.9	4302.1	4331.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	635.1	710.6	786.0	804.9	1254.2	1853.3	2152.8	2616.9	3545.0	4241.1	4286.8
115°	730.7	800.3	870.0	887.4	1265.8	1770.2	2022.5	2469.5	3363.6	4034.2	4097.6
117.5°	825.3	888.5	951.8	967.6	1289.3	1718.3	1932.8	2336.3	3143.1	3748.3	3818.6
120°	880.3	939.8	999.4	1014.2	1308.5	1700.8	1896.9	2265.6	3002.8	3555.8	3624.1
122.5°	934.1	994.1	1054.2	1069.2	1336.0	1691.6	1869.4	2201.4	2865.2	3363.2	3430.6
125°	1016.6	1071.4	1126.1	1139.8	1373.1	1684.0	1839.5	2121.4	2685.5	3108.4	3170.5
127.5°	1083.6	1138.9	1194.2	1208.0	1410.1	1679.6	1814.4	2056.4	2540.7	2903.9	2956.3
130°	1119.5	1179.0	1238.5	1253.4	1437.2	1682.3	1804.8	2020.3	2451.4	2774.8	2823.1
132.5°	1156.5	1216.1	1275.7	1290.5	1459.2	1684.0	1796.4	1989.4	2375.3	2664.7	2708.1
135°	1211.6	1265.8	1320.0	1333.6	1483.1	1682.4	1782.1	1943.7	2266.9	2509.3	2546.6
137.5°	1267.8	1321.5	1375.1	1388.5	1518.9	1692.8	1779.7	1916.3	2189.5	2394.4	2425.0
140°	1314.4	1363.8	1413.3	1425.7	1540.8	1694.5	1771.3	1889.3	2125.3	2302.3	2330.9
142.5°	1350.3	1396.0	1441.7	1453.1	1559.2	1700.6	1771.3	1875.0	2082.3	2237.8	2262.3
145°	1405.3	1445.2	1485.1	1495.0	1583.1	1700.6	1759.4	1844.2	2013.7	2140.8	2159.5
147.5°	1460.3	1499.1	1537.9	1547.6	1618.2	1712.3	1759.4	1826.1	1959.5	2059.5	2074.9
150°	1496.2	1531.3	1566.4	1575.2	1636.6	1718.4	1759.4	1815.7	1928.4	2012.9	2025.3
152.5°	1533.3	1559.9	1586.5	1593.1	1648.6	1722.4	1759.4	1807.5	1903.7	1975.8	1985.3
155°	1588.3	1608.0	1627.6	1632.6	1674.8	1731.2	1759.4	1797.6	1874.2	1931.5	1937.8
157.5°	1629.0	1648.1	1667.3	1672.1	1701.2	1740.0	1759.4	1789.1	1848.6	1893.3	1897.7
160°	1656.5	1671.4	1686.3	1690.0	1713.1	1744.0	1759.4	1784.9	1835.9	1874.2	1876.7
162.5°	1684.0	1695.2	1706.3	1709.1	1725.9	1748.2	1759.4	1780.9	1824.0	1856.2	1858.6
165°	1713.9	1724.0	1734.0	1736.6	1744.2	1754.3	1759.4	1774.8	1805.6	1828.7	1831.2
167.5°	1741.4	1746.2	1751.0	1752.1	1758.5	1767.1	1771.3	1781.4	1801.6	1816.7	1817.8
170°	1759.4	1764.1	1768.9	1770.1	1770.5	1771.0	1771.3	1781.4	1801.6	1816.7	1816.7
172.5°	1768.9	1770.0	1771.1	1771.3	1771.3	1771.3	1771.3	1779.3	1795.3	1807.2	1806.3
175°	1782.1	1782.1	1782.1	1782.1	1778.5	1773.7	1771.3	1776.4	1786.5	1794.0	1794.0
177.5°	1782.1	1782.1	1782.1	1782.1	1779.3	1775.5	1773.7	1777.7	1785.6	1791.6	1790.6
180°	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1



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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°	45.4	45.4	45.4	45.4	45.4	60.6	80.8	90.9	78.1	52.6	33.5
92.5°	182.0	145.9	182.0	218.2	227.2	322.1	448.6	511.9	449.4	324.6	230.8
95°	634.6	525.1	634.6	744.1	771.5	1013.0	1335.1	1496.2	1263.6	798.5	449.7
97.5°	1520.4	1312.0	1520.4	1728.7	1780.9	1933.5	2137.1	2238.9	1851.2	1075.6	494.0
100°	2190.6	1942.3	2190.6	2438.8	2500.9	2489.7	2474.9	2467.4	2037.1	1176.5	531.1
102.5°	2849.8	2637.2	2849.8	3062.5	3115.7	2921.1	2661.7	2532.0	2095.6	1222.8	568.1
105°	3690.4	3576.1	3690.4	3804.6	3833.2	3397.1	2815.5	2524.8	2102.2	1257.0	623.2
107.5°	4240.9	4268.6	4240.9	4213.3	4206.4	3598.0	2786.9	2381.3	2008.7	1263.4	704.5
110°	4450.9	4570.0	4450.9	4331.9	4302.1	3621.9	2715.1	2261.6	1925.7	1253.8	749.9





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4469.6	4652.5	4469.6	4286.8	4241.1	3545.0	2616.9	2152.8	1853.3	1254.2	804.9
115°	4351.1	4604.7	4351.1	4097.6	4034.2	3363.6	2469.5	2022.5	1770.2	1265.8	887.4
117.5°	4099.8	4381.0	4099.8	3818.6	3748.3	3143.1	2336.3	1932.8	1718.3	1289.3	967.6
120°	3897.3	4170.5	3897.3	3624.1	3555.8	3002.8	2265.6	1896.9	1700.8	1308.5	1014.2
122.5°	3700.1	3969.6	3700.1	3430.6	3363.2	2865.2	2201.4	1869.4	1691.6	1336.0	1069.2
125°	3418.7	3667.0	3418.7	3170.5	3108.4	2685.5	2121.4	1839.5	1684.0	1373.1	1139.8
127.5°	3165.7	3375.1	3165.7	2956.3	2903.9	2540.7	2056.4	1814.4	1679.6	1410.1	1208.0
130°	3016.6	3210.1	3016.6	2823.1	2774.8	2451.4	2020.3	1804.8	1682.3	1437.2	1253.4
132.5°	2881.3	3054.6	2881.3	2708.1	2664.7	2375.3	1989.4	1796.4	1684.0	1459.2	1290.5
135°	2695.9	2845.3	2695.9	2546.6	2509.3	2266.9	1943.7	1782.1	1682.4	1483.1	1333.6
137.5°	2547.2	2669.5	2547.2	2425.0	2394.4	2189.5	1916.3	1779.7	1692.8	1518.9	1388.5
140°	2445.2	2559.5	2445.2	2330.9	2302.3	2125.3	1889.3	1771.3	1694.5	1540.8	1425.7
142.5°	2360.7	2459.0	2360.7	2262.3	2237.8	2082.3	1875.0	1771.3	1700.6	1559.2	1453.1
145°	2233.8	2308.3	2233.8	2159.5	2140.8	2013.7	1844.2	1759.4	1700.6	1583.1	1495.0
147.5°	2136.6	2198.3	2136.6	2074.9	2059.5	1959.5	1826.1	1759.4	1712.3	1618.2	1547.6
150°	2075.4	2125.4	2075.4	2025.3	2012.9	1928.4	1815.7	1759.4	1718.4	1636.6	1575.2
152.5°	2023.0	2060.8	2023.0	1985.3	1975.8	1903.7	1807.5	1759.4	1722.4	1648.6	1593.1
155°	1962.8	1987.8	1962.8	1937.8	1931.5	1874.2	1797.6	1759.4	1731.2	1674.8	1632.6
157.5°	1915.2	1932.8	1915.2	1897.7	1893.3	1848.6	1789.1	1759.4	1740.0	1701.2	1672.1
160°	1886.8	1896.9	1886.8	1876.7	1874.2	1835.9	1784.9	1759.4	1744.0	1713.1	1690.0
162.5°	1868.2	1877.7	1868.2	1858.6	1856.2	1824.0	1780.9	1759.4	1748.2	1725.9	1709.1
165°	1841.3	1851.5	1841.3	1831.2	1828.7	1805.6	1774.8	1759.4	1754.3	1744.2	1736.6
167.5°	1822.1	1826.3	1822.1	1817.8	1816.7	1801.6	1781.4	1771.3	1767.1	1758.5	1752.1
170°	1816.7	1816.7	1816.7	1816.7	1816.7	1801.6	1781.4	1771.3	1771.0	1770.5	1770.1
172.5°	1802.5	1798.8	1802.5	1806.3	1807.2	1795.3	1779.3	1771.3	1771.3	1771.3	1771.3
175°	1794.0	1794.0	1794.0	1794.0	1794.0	1786.5	1776.4	1771.3	1773.7	1778.5	1782.1
177.5°	1786.3	1782.1	1786.3	1790.6	1791.6	1785.6	1777.7	1773.7	1775.5	1779.3	1782.1
180°	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1



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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°	31.1	21.5	11.9	21.5	31.1	33.5	52.6	78.1	90.9	80.8	60.6
92.5°	210.5	129.1	47.8	129.1	210.5	230.8	324.6	449.4	511.9	448.6	322.1
95°	412.5	263.6	114.8	263.6	412.5	449.7	798.5	1263.6	1496.2	1335.1	1013.0
97.5°	461.2	329.8	198.5	329.8	461.2	494.0	1075.6	1851.2	2238.9	2137.1	1933.5
100°	501.3	382.2	263.1	382.2	501.3	531.1	1176.5	2037.1	2467.4	2474.9	2489.7
102.5°	540.3	429.3	318.2	429.3	540.3	568.1	1222.8	2095.6	2532.0	2661.7	2921.1
105°	599.6	505.5	411.4	505.5	599.6	623.2	1257.0	2102.2	2524.8	2815.5	3397.1
107.5°	682.5	594.8	507.1	594.8	682.5	704.5	1263.4	2008.7	2381.3	2786.9	3598.0
110°	730.1	650.9	571.7	650.9	730.1	749.9	1253.8	1925.7	2261.6	2715.1	3621.9



TEST NUMBER: P935521

CATALOG NUMBER: SQ4-FA-125U-075D-927-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	786.0	710.6	635.1	710.6	786.0	804.9	1254.2	1853.3	2152.8	2616.9	3545.0
115°	870.0	800.3	730.7	800.3	870.0	887.4	1265.8	1770.2	2022.5	2469.5	3363.6
117.5°	951.8	888.5	825.3	888.5	951.8	967.6	1289.3	1718.3	1932.8	2336.3	3143.1
120°	999.4	939.8	880.3	939.8	999.4	1014.2	1308.5	1700.8	1896.9	2265.6	3002.8
122.5°	1054.2	994.1	934.1	994.1	1054.2	1069.2	1336.0	1691.6	1869.4	2201.4	2865.2
125°	1126.1	1071.4	1016.6	1071.4	1126.1	1139.8	1373.1	1684.0	1839.5	2121.4	2685.5
127.5°	1194.2	1138.9	1083.6	1138.9	1194.2	1208.0	1410.1	1679.6	1814.4	2056.4	2540.7
130°	1238.5	1179.0	1119.5	1179.0	1238.5	1253.4	1437.2	1682.3	1804.8	2020.3	2451.4
132.5°	1275.7	1216.1	1156.5	1216.1	1275.7	1290.5	1459.2	1684.0	1796.4	1989.4	2375.3
135°	1320.0	1265.8	1211.6	1265.8	1320.0	1333.6	1483.1	1682.4	1782.1	1943.7	2266.9
137.5°	1375.1	1321.5	1267.8	1321.5	1375.1	1388.5	1518.9	1692.8	1779.7	1916.3	2189.5
140°	1413.3	1363.8	1314.4	1363.8	1413.3	1425.7	1540.8	1694.5	1771.3	1889.3	2125.3
142.5°	1441.7	1396.0	1350.3	1396.0	1441.7	1453.1	1559.2	1700.6	1771.3	1875.0	2082.3
145°	1485.1	1445.2	1405.3	1445.2	1485.1	1495.0	1583.1	1700.6	1759.4	1844.2	2013.7
147.5°	1537.9	1499.1	1460.3	1499.1	1537.9	1547.6	1618.2	1712.3	1759.4	1826.1	1959.5
150°	1566.4	1531.3	1496.2	1531.3	1566.4	1575.2	1636.6	1718.4	1759.4	1815.7	1928.4
152.5°	1586.5	1559.9	1533.3	1559.9	1586.5	1593.1	1648.6	1722.4	1759.4	1807.5	1903.7
155°	1627.6	1608.0	1588.3	1608.0	1627.6	1632.6	1674.8	1731.2	1759.4	1797.6	1874.2
157.5°	1667.3	1648.1	1629.0	1648.1	1667.3	1672.1	1701.2	1740.0	1759.4	1789.1	1848.6
160°	1686.3	1671.4	1656.5	1671.4	1686.3	1690.0	1713.1	1744.0	1759.4	1784.9	1835.9
162.5°	1706.3	1695.2	1684.0	1695.2	1706.3	1709.1	1725.9	1748.2	1759.4	1780.9	1824.0
165°	1734.0	1724.0	1713.9	1724.0	1734.0	1736.6	1744.2	1754.3	1759.4	1774.8	1805.6
167.5°	1751.0	1746.2	1741.4	1746.2	1751.0	1752.1	1758.5	1767.1	1771.3	1781.4	1801.6
170°	1768.9	1764.1	1759.4	1764.1	1768.9	1770.1	1770.5	1771.0	1771.3	1781.4	1801.6
172.5°	1771.1	1770.0	1768.9	1770.0	1771.1	1771.3	1771.3	1771.3	1771.3	1779.3	1795.3
175°	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1778.5	1773.7	1771.3	1776.4	1786.5
177.5°	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1779.3	1775.5	1773.7	1777.7	1785.6
180°	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1



TEST NUMBER: P935521  
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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°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	60.6	80.8	90.9	78.1
92.5°	227.2	218.2	182.0	145.9	182.0	218.2	227.2	322.1	448.6	511.9	449.4
95°	771.5	744.1	634.6	525.1	634.6	744.1	771.5	1013.0	1335.1	1496.2	1263.6
97.5°	1780.9	1728.7	1520.4	1312.0	1520.4	1728.7	1780.9	1933.5	2137.1	2238.9	1851.2
100°	2500.9	2438.8	2190.6	1942.3	2190.6	2438.8	2500.9	2489.7	2474.9	2467.4	2037.1
102.5°	3115.7	3062.5	2849.8	2637.2	2849.8	3062.5	3115.7	2921.1	2661.7	2532.0	2095.6
105°	3833.2	3804.6	3690.4	3576.1	3690.4	3804.6	3833.2	3397.1	2815.5	2524.8	2102.2
107.5°	4206.4	4213.3	4240.9	4268.6	4240.9	4213.3	4206.4	3598.0	2786.9	2381.3	2008.7
110°	4302.1	4331.9	4450.9	4570.0	4450.9	4331.9	4302.1	3621.9	2715.1	2261.6	1925.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4241.1	4286.8	4469.6	4652.5	4469.6	4286.8	4241.1	3545.0	2616.9	2152.8	1853.3
115°	4034.2	4097.6	4351.1	4604.7	4351.1	4097.6	4034.2	3363.6	2469.5	2022.5	1770.2
117.5°	3748.3	3818.6	4099.8	4381.0	4099.8	3818.6	3748.3	3143.1	2336.3	1932.8	1718.3
120°	3555.8	3624.1	3897.3	4170.5	3897.3	3624.1	3555.8	3002.8	2265.6	1896.9	1700.8
122.5°	3363.2	3430.6	3700.1	3969.6	3700.1	3430.6	3363.2	2865.2	2201.4	1869.4	1691.6
125°	3108.4	3170.5	3418.7	3667.0	3418.7	3170.5	3108.4	2685.5	2121.4	1839.5	1684.0
127.5°	2903.9	2956.3	3165.7	3375.1	3165.7	2956.3	2903.9	2540.7	2056.4	1814.4	1679.6
130°	2774.8	2823.1	3016.6	3210.1	3016.6	2823.1	2774.8	2451.4	2020.3	1804.8	1682.3
132.5°	2664.7	2708.1	2881.3	3054.6	2881.3	2708.1	2664.7	2375.3	1989.4	1796.4	1684.0
135°	2509.3	2546.6	2695.9	2845.3	2695.9	2546.6	2509.3	2266.9	1943.7	1782.1	1682.4
137.5°	2394.4	2425.0	2547.2	2669.5	2547.2	2425.0	2394.4	2189.5	1916.3	1779.7	1692.8
140°	2302.3	2330.9	2445.2	2559.5	2445.2	2330.9	2302.3	2125.3	1889.3	1771.3	1694.5
142.5°	2237.8	2262.3	2360.7	2459.0	2360.7	2262.3	2237.8	2082.3	1875.0	1771.3	1700.6
145°	2140.8	2159.5	2233.8	2308.3	2233.8	2159.5	2140.8	2013.7	1844.2	1759.4	1700.6
147.5°	2059.5	2074.9	2136.6	2198.3	2136.6	2074.9	2059.5	1959.5	1826.1	1759.4	1712.3
150°	2012.9	2025.3	2075.4	2125.4	2075.4	2025.3	2012.9	1928.4	1815.7	1759.4	1718.4
152.5°	1975.8	1985.3	2023.0	2060.8	2023.0	1985.3	1975.8	1903.7	1807.5	1759.4	1722.4
155°	1931.5	1937.8	1962.8	1987.8	1962.8	1937.8	1931.5	1874.2	1797.6	1759.4	1731.2
157.5°	1893.3	1897.7	1915.2	1932.8	1915.2	1897.7	1893.3	1848.6	1789.1	1759.4	1740.0
160°	1874.2	1876.7	1886.8	1896.9	1886.8	1876.7	1874.2	1835.9	1784.9	1759.4	1744.0
162.5°	1856.2	1858.6	1868.2	1877.7	1868.2	1858.6	1856.2	1824.0	1780.9	1759.4	1748.2
165°	1828.7	1831.2	1841.3	1851.5	1841.3	1831.2	1828.7	1805.6	1774.8	1759.4	1754.3
167.5°	1816.7	1817.8	1822.1	1826.3	1822.1	1817.8	1816.7	1801.6	1781.4	1771.3	1767.1
170°	1816.7	1816.7	1816.7	1816.7	1816.7	1816.7	1816.7	1801.6	1781.4	1771.3	1771.0
172.5°	1807.2	1806.3	1802.5	1798.8	1802.5	1806.3	1807.2	1795.3	1779.3	1771.3	1771.3
175°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1786.5	1776.4	1771.3	1773.7
177.5°	1791.6	1790.6	1786.3	1782.1	1786.3	1790.6	1791.6	1785.6	1777.7	1773.7	1775.5
180°	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1	1782.1



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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°	52.6	33.5	31.1	21.5	11.9
92.5°	324.6	230.8	210.5	129.1	47.8
95°	798.5	449.7	412.5	263.6	114.8
97.5°	1075.6	494.0	461.2	329.8	198.5
100°	1176.5	531.1	501.3	382.2	263.1
102.5°	1222.8	568.1	540.3	429.3	318.2
105°	1257.0	623.2	599.6	505.5	411.4
107.5°	1263.4	704.5	682.5	594.8	507.1
110°	1253.8	749.9	730.1	650.9	571.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1254.2	804.9	786.0	710.6	635.1
115°	1265.8	887.4	870.0	800.3	730.7
117.5°	1289.3	967.6	951.8	888.5	825.3
120°	1308.5	1014.2	999.4	939.8	880.3
122.5°	1336.0	1069.2	1054.2	994.1	934.1
125°	1373.1	1139.8	1126.1	1071.4	1016.6
127.5°	1410.1	1208.0	1194.2	1138.9	1083.6
130°	1437.2	1253.4	1238.5	1179.0	1119.5
132.5°	1459.2	1290.5	1275.7	1216.1	1156.5
135°	1483.1	1333.6	1320.0	1265.8	1211.6
137.5°	1518.9	1388.5	1375.1	1321.5	1267.8
140°	1540.8	1425.7	1413.3	1363.8	1314.4
142.5°	1559.2	1453.1	1441.7	1396.0	1350.3
145°	1583.1	1495.0	1485.1	1445.2	1405.3
147.5°	1618.2	1547.6	1537.9	1499.1	1460.3
150°	1636.6	1575.2	1566.4	1531.3	1496.2
152.5°	1648.6	1593.1	1586.5	1559.9	1533.3
155°	1674.8	1632.6	1627.6	1608.0	1588.3
157.5°	1701.2	1672.1	1667.3	1648.1	1629.0
160°	1713.1	1690.0	1686.3	1671.4	1656.5
162.5°	1725.9	1709.1	1706.3	1695.2	1684.0
165°	1744.2	1736.6	1734.0	1724.0	1713.9
167.5°	1758.5	1752.1	1751.0	1746.2	1741.4
170°	1770.5	1770.1	1768.9	1764.1	1759.4
172.5°	1771.3	1771.3	1771.1	1770.0	1768.9
175°	1778.5	1782.1	1782.1	1782.1	1782.1
177.5°	1779.3	1782.1	1782.1	1782.1	1782.1
180°	1782.1	1782.1	1782.1	1782.1	1782.1



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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	10.31	11.06	11.39	12.13	13.60	13.17	13.91	14.24	14.98	16.45
	3H	10.78	11.45	11.86	12.53	14.01	14.51	15.18	15.59	16.26	17.74
	4H	10.97	11.60	12.06	12.68	14.17	14.95	15.58	16.05	16.67	18.16
	6H	11.08	11.66	12.18	12.75	14.25	15.24	15.82	16.34	16.91	18.41
	8H	11.08	11.63	12.18	12.73	14.23	15.31	15.86	16.42	16.97	18.46
	12H	11.05	11.57	12.16	12.67	14.19	15.35	15.87	16.46	16.97	18.49
4H	2H	11.34	11.97	12.44	13.05	14.54	13.56	14.19	14.66	15.28	16.76
	3H	12.35	12.88	13.46	13.99	15.49	15.06	15.59	16.17	16.70	18.20
	4H	12.62	13.11	13.74	14.21	15.73	15.59	16.07	16.70	17.17	18.70
	6H	12.74	13.16	13.86	14.28	15.80	15.95	16.37	17.07	17.49	19.01
	8H	12.75	13.13	13.86	14.25	15.78	16.06	16.45	17.18	17.56	19.09
	12H	12.71	13.06	13.84	14.19	15.72	16.11	16.46	17.25	17.59	19.13
8H	4H	13.07	13.46	14.19	14.58	16.11	15.70	16.09	16.82	17.21	18.74
	6H	13.33	13.65	14.47	14.81	16.33	16.14	16.46	17.28	17.62	19.15
	8H	13.37	13.65	14.52	14.79	16.34	16.29	16.57	17.44	17.71	19.26
	12H	13.35	13.59	14.50	14.73	16.31	16.39	16.64	17.54	17.77	19.36
12H	4H	13.07	13.42	14.21	14.55	16.09	15.66	16.01	16.80	17.14	18.68
	6H	13.39	13.67	14.54	14.81	16.36	16.14	16.42	17.28	17.55	19.10
	8H	13.45	13.70	14.60	14.83	16.42	16.29	16.54	17.45	17.68	19.26