

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: P935330

Luminaire Tested: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

**Test Information**

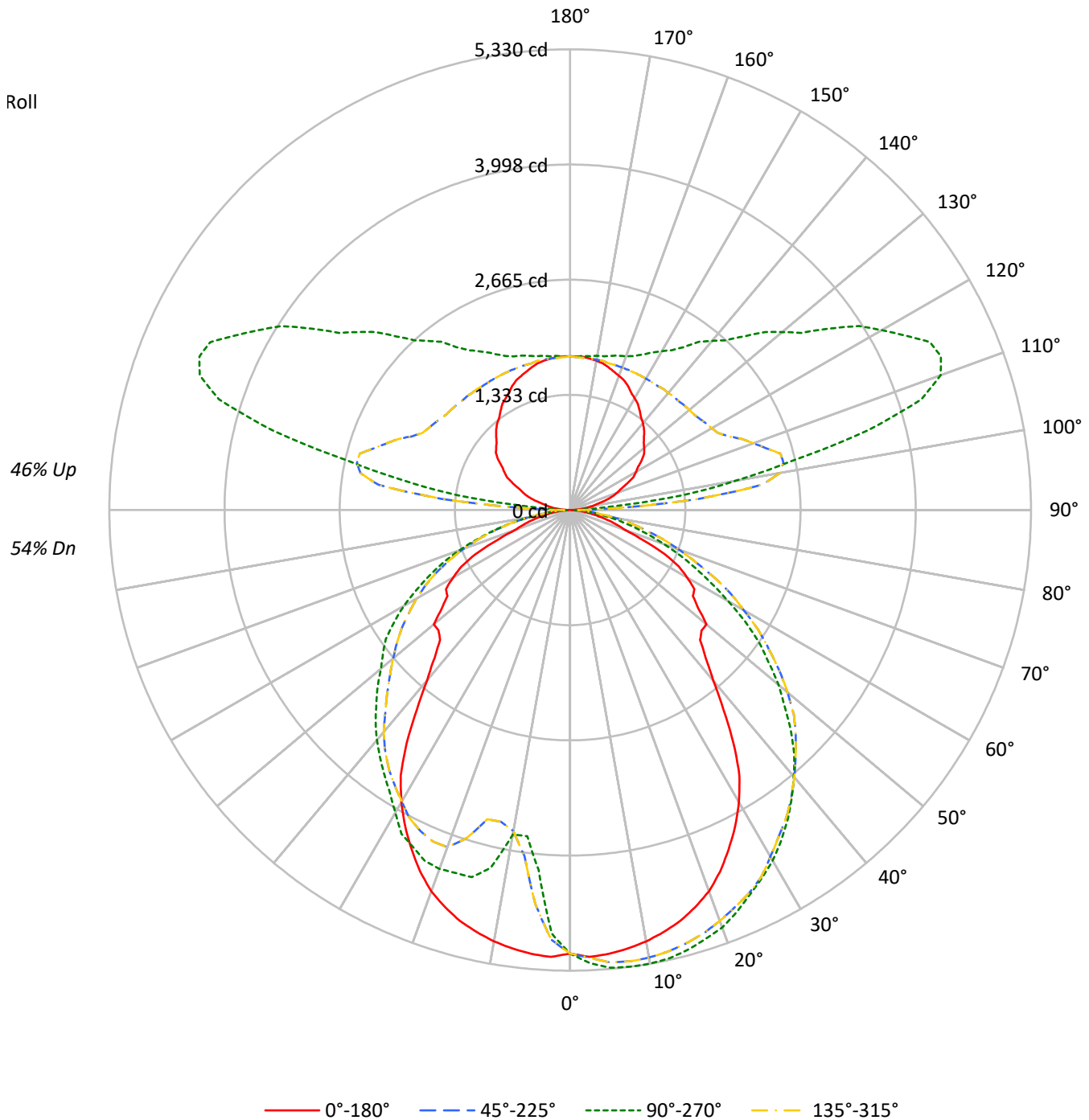
Test Method: LM-79-2019  
Report Number: P935330  
REPORT IS A COMBINATION OF REPORTS P933749 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24835.2 lumens  
Efficiency: N/A  
Efficacy: 120.3 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: General Diffuse  
  
Input Watts (W): 206.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P935330  
CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-6500K

### Luminous Intensity Polar Plot





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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	0
RCR																		
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	15870	15870	15870	15870
5°	15994	16020	15994	12597
10°	15894	15781	15894	11282
15°	15727	15439	15727	12892
20°	15404	15034	15404	12919
25°	14737	14443	14737	12645
30°	13872	13953	13872	12044
35°	12373	13332	12373	11383
40°	10316	12602	10316	10884
45°	9223	11747	9223	10310
50°	9807	10728	9807	9734
55°	9235	9629	9235	9401
60°	9532	8178	9532	8610
65°	8656	6761	8656	7557
70°	6008	5387	6008	6334
75°	5289	3983	5289	4769
80°	4293	2633	4293	2867
85°	2514	1395	2514	1185

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14127 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	463.2	1.9
10°-20°	1315.0	5.3
20°-30°	2032.8	8.2
30°-40°	2426.7	9.8
40°-50°	2440.9	9.8
50°-60°	2123.9	8.6
60°-70°	1505.9	6.1
70°-80°	796.7	3.2
80°-90°	205.2	0.8
90°-100°	866.6	3.5
100°-110°	2278.3	9.2
110°-120°	2362.4	9.5
120°-130°	1894.9	7.6
130°-140°	1486.8	6.0
140°-150°	1141.2	4.6
150°-160°	821.9	3.3
160°-170°	502.9	2.0
170°-180°	169.9	0.7
0°-30°	3811.0	15.3
0°-40°	6237.7	25.1
0°-60°	10802.5	43.5
0°-90°	13310.3	53.6
90°-120°	5507.3	22.2
90°-150°	10030.3	40.4
90°-180°	11525.0	46.4
0°-180°	24835.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5131	5131	5131	5131	5131	
5°	5155	5315	5155	4180	5155	489
15°	4922	5267	4922	4398	4922	1385
25°	4335	4912	4335	4301	4335	1990
35°	3296	4383	3296	3743	3296	2039
45°	2126	3612	2126	3170	2126	1703
55°	1733	2665	1733	2602	1733	1592
65°	1204	1607	1204	1796	1204	1151
75°	456	762	456	913	456	480
85°	78	194	78	165	78	105
90°	12	45	12	45	12	13
95°	115	524	115	524	115	127
105°	410	3568	410	3568	410	435
115°	729	4594	729	4594	729	720
125°	1014	3658	1014	3658	1014	900
135°	1209	2839	1209	2839	1209	935
145°	1402	2303	1402	2303	1402	878
155°	1584	1983	1584	1983	1584	728
165°	1710	1847	1710	1847	1710	483
175°	1778	1790	1778	1790	1778	169
180°	1778	1778	1778	1778	1778	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5174.6	5174.6	5203.7	5213.5	5213.5	5198.8	5184.3	5198.8	5242.5	5257.1	5252.3
5°	5155.1	5194.0	5247.4	5257.1	5266.8	5261.9	5252.3	5261.9	5310.5	5320.3	5325.0
7.5°	5116.3	5189.2	5257.1	5271.7	5286.2	5271.7	5266.8	5276.6	5325.0	5334.8	5334.8
10°	5067.8	5169.8	5247.4	5257.1	5271.7	5257.1	5257.1	5276.6	5325.0	5334.8	5339.7
12.5°	4999.8	5140.6	5213.5	5223.1	5242.5	5237.6	5232.9	5252.3	5300.8	5310.5	5310.5
15°	4922.2	5087.2	5155.1	5164.9	5198.8	5189.2	5189.2	5208.6	5261.9	5276.6	5271.7
17.5°	4815.4	5019.2	5096.9	5111.5	5135.7	5130.9	5135.7	5155.1	5203.7	5213.5	5218.2
20°	4694.0	4927.0	5019.2	5033.8	5058.1	5058.1	5058.1	5082.4	5130.9	5150.3	5150.3
22.5°	4529.0	4829.9	4927.0	4936.7	4965.9	4965.9	4975.6	5009.5	5053.2	5058.1	5058.1
25°	4334.8	4723.1	4805.6	4834.8	4864.0	4878.5	4893.0	4912.4	4927.0	4922.2	4927.0
27.5°	4130.9	4587.2	4694.0	4713.5	4752.3	4766.8	4786.2	4791.1	4796.0	4810.5	4800.9
30°	3902.8	4397.9	4558.1	4577.5	4640.6	4650.3	4630.9	4640.6	4664.9	4674.6	4684.3
32.5°	3645.5	4116.4	4417.3	4461.0	4519.3	4490.2	4485.3	4499.8	4538.7	4538.7	4548.4
35°	3296.0	3897.9	4286.2	4325.1	4368.8	4334.8	4354.2	4359.1	4383.4	4397.9	4393.0
37.5°	2912.6	3708.6	4150.4	4179.5	4213.5	4169.8	4198.9	4213.5	4232.9	4223.1	4223.1
40°	2572.7	3412.5	3990.2	4009.6	4038.7	4004.7	4033.9	4043.5	4053.3	4043.5	4038.7
42.5°	2320.3	3087.3	3820.3	3844.6	3825.2	3849.3	3859.1	3878.5	3864.0	3844.6	3844.6
45°	2126.1	2999.9	3635.8	3664.9	3635.8	3674.6	3689.2	3689.2	3645.5	3635.8	3631.0
47.5°	2063.1	2825.2	3451.4	3451.4	3436.7	3485.3	3509.6	3475.6	3432.0	3417.3	3417.3
50°	2058.2	2631.0	3198.9	3179.5	3247.4	3305.8	3281.5	3247.4	3213.5	3160.1	3160.1
52.5°	1868.9	2393.2	2873.6	2946.5	3053.3	3087.3	3048.4	3014.5	2956.2	2932.0	2912.6
55°	1732.9	2145.6	2577.6	2723.2	2834.8	2878.5	2805.8	2771.7	2684.4	2669.8	2660.1
57.5°	1703.8	1786.4	2305.8	2490.2	2626.1	2621.3	2577.6	2514.5	2441.6	2427.1	2422.2
60°	1563.1	1291.2	2014.5	2232.9	2373.7	2359.1	2320.3	2262.1	2194.1	2184.4	2174.7
62.5°	1417.5	936.9	1684.4	1932.0	2131.0	2126.1	2092.2	2004.8	1956.3	1932.0	1912.6
65°	1203.8	786.4	1199.0	1606.8	1893.2	1902.8	1830.1	1766.9	1713.5	1684.4	1679.6
67.5°	917.5	640.7	810.7	1339.7	1665.0	1655.3	1563.1	1533.9	1465.9	1451.4	1422.2
70°	679.6	427.1	563.1	1087.4	1441.7	1417.5	1344.6	1310.7	1247.5	1213.5	1194.1
72.5°	563.1	344.6	412.6	844.6	1213.5	1184.4	1121.3	1082.5	1029.1	1000.0	980.6
75°	456.3	364.0	315.5	626.2	985.4	965.9	907.7	868.9	825.2	786.4	791.2
77.5°	335.0	339.8	252.4	461.2	781.5	752.4	718.4	669.9	650.5	611.7	611.7
80°	252.4	267.0	189.3	315.5	563.1	563.1	533.9	500.0	466.0	446.5	446.5
82.5°	169.9	169.9	140.8	199.0	383.5	368.9	349.5	339.8	320.4	310.7	310.7
85°	77.6	97.1	87.4	121.3	208.7	218.4	218.4	208.7	203.9	194.2	199.0
87.5°	24.3	43.7	53.4	68.0	106.8	111.7	116.5	116.5	116.5	121.3	121.3
90°	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4	45.3	45.3
92.5°	47.7	128.8	210.0	230.3	323.8	448.4	510.7	447.6	321.4	226.7	217.7
95°	114.6	263.0	411.5	448.6	796.6	1260.6	1492.6	1332.0	1010.6	769.5	742.2
97.5°	198.0	329.0	460.0	492.8	1073.0	1846.7	2233.6	2132.0	1928.9	1776.6	1724.7
100°	262.5	381.2	500.0	529.7	1173.6	2032.2	2461.5	2469.0	2483.8	2494.9	2433.0
102.5°	317.4	428.2	539.0	566.7	1219.8	2090.6	2526.0	2655.3	2914.1	3108.2	3055.1
105°	410.5	504.3	598.2	621.6	1254.0	2097.2	2518.8	2808.9	3389.0	3824.1	3795.6
107.5°	505.9	593.4	680.9	702.8	1260.4	2003.8	2375.6	2780.2	3589.5	4196.3	4203.2
110°	570.4	649.4	728.3	748.1	1250.8	1921.1	2256.2	2708.6	3613.3	4291.8	4321.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	633.6	708.9	784.2	803.0	1251.3	1848.9	2147.7	2610.7	3536.6	4231.0	4276.6
115°	729.0	798.5	867.9	885.3	1262.7	1766.0	2017.7	2463.6	3355.6	4024.5	4087.7
117.5°	823.3	886.4	949.5	965.3	1286.3	1714.2	1928.2	2330.6	3135.6	3739.4	3809.5
120°	878.2	937.5	997.0	1011.8	1305.4	1696.8	1892.4	2260.2	2995.7	3547.3	3615.5
122.5°	931.9	991.9	1051.7	1066.7	1332.8	1687.6	1865.0	2196.1	2858.4	3355.2	3422.4
125°	1014.2	1068.8	1123.4	1137.1	1369.7	1680.0	1835.1	2116.4	2679.1	3101.0	3162.9
127.5°	1081.0	1136.1	1191.3	1205.1	1406.8	1675.6	1810.1	2051.6	2534.7	2897.0	2949.2
130°	1116.8	1176.2	1235.6	1250.4	1433.8	1678.3	1800.5	2015.6	2445.7	2768.2	2816.5
132.5°	1153.8	1213.2	1272.6	1287.4	1455.6	1679.9	1792.1	1984.6	2369.6	2658.4	2701.6
135°	1208.7	1262.7	1316.9	1330.4	1479.5	1678.4	1777.8	1939.1	2261.4	2503.2	2540.5
137.5°	1264.8	1318.3	1371.9	1385.2	1515.3	1688.7	1775.5	1911.7	2184.3	2388.8	2419.3
140°	1311.3	1360.7	1409.9	1422.2	1537.2	1690.5	1767.0	1884.8	2120.3	2296.9	2325.4
142.5°	1347.1	1392.7	1438.3	1449.7	1555.4	1696.5	1767.0	1870.5	2077.3	2232.4	2256.9
145°	1402.0	1441.7	1481.5	1491.5	1579.3	1696.6	1755.2	1839.7	2008.9	2135.8	2154.3
147.5°	1456.9	1495.6	1534.3	1544.0	1614.3	1708.2	1755.2	1821.7	1954.8	2054.7	2070.1
150°	1492.6	1527.6	1562.6	1571.4	1632.7	1714.4	1755.2	1811.4	1923.8	2008.1	2020.5
152.5°	1529.6	1556.1	1582.7	1589.3	1644.6	1718.3	1755.2	1803.2	1899.1	1971.1	1980.5
155°	1584.5	1604.1	1623.8	1628.7	1670.9	1727.1	1755.2	1793.3	1869.6	1926.9	1933.1
157.5°	1625.1	1644.2	1663.3	1668.1	1697.1	1735.9	1755.2	1784.8	1844.2	1888.8	1893.2
160°	1652.5	1667.4	1682.2	1686.0	1709.0	1739.8	1755.2	1780.6	1831.5	1869.6	1872.1
162.5°	1679.9	1691.0	1702.2	1705.0	1721.7	1744.0	1755.2	1776.6	1819.5	1851.8	1854.2
165°	1709.8	1719.8	1729.9	1732.4	1740.0	1750.1	1755.2	1770.6	1801.3	1824.3	1826.8
167.5°	1737.2	1742.0	1746.8	1748.0	1754.3	1762.8	1767.0	1777.2	1797.4	1812.5	1813.5
170°	1755.2	1760.0	1764.7	1765.9	1766.3	1766.8	1767.0	1777.2	1797.4	1812.5	1812.5
172.5°	1764.7	1765.7	1766.8	1767.0	1767.0	1767.0	1767.0	1775.0	1790.9	1802.9	1801.9
175°	1777.8	1777.8	1777.8	1777.8	1774.2	1769.4	1767.0	1772.1	1782.2	1789.7	1789.7
177.5°	1777.8	1777.8	1777.8	1777.8	1775.1	1771.3	1769.4	1773.5	1781.4	1787.3	1786.3
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5261.9	5247.4	5261.9	5252.3	5257.1	5242.5	5198.8	5184.3	5198.8	5213.5	5213.5
5°	5325.0	5315.4	5325.0	5325.0	5320.3	5310.5	5261.9	5252.3	5261.9	5266.8	5257.1
7.5°	5344.4	5329.9	5344.4	5334.8	5334.8	5325.0	5276.6	5266.8	5271.7	5286.2	5271.7
10°	5344.4	5329.9	5344.4	5339.7	5334.8	5325.0	5276.6	5257.1	5257.1	5271.7	5257.1
12.5°	5320.3	5310.5	5320.3	5310.5	5310.5	5300.8	5252.3	5232.9	5237.6	5242.5	5223.1
15°	5281.3	5266.8	5281.3	5271.7	5276.6	5261.9	5208.6	5189.2	5189.2	5198.8	5164.9
17.5°	5223.1	5203.7	5223.1	5218.2	5213.5	5203.7	5155.1	5135.7	5130.9	5135.7	5111.5
20°	5155.1	5140.6	5155.1	5150.3	5150.3	5130.9	5082.4	5058.1	5058.1	5058.1	5033.8
22.5°	5048.4	5033.8	5048.4	5058.1	5058.1	5053.2	5009.5	4975.6	4965.9	4965.9	4936.7
25°	4927.0	4912.4	4927.0	4927.0	4922.2	4927.0	4912.4	4893.0	4878.5	4864.0	4834.8
27.5°	4810.5	4800.9	4810.5	4800.9	4810.5	4796.0	4791.1	4786.2	4766.8	4752.3	4713.5
30°	4694.0	4684.3	4694.0	4684.3	4674.6	4664.9	4640.6	4630.9	4650.3	4640.6	4577.5
32.5°	4548.4	4538.7	4548.4	4548.4	4538.7	4538.7	4499.8	4485.3	4490.2	4519.3	4461.0
35°	4397.9	4383.4	4397.9	4393.0	4397.9	4383.4	4359.1	4354.2	4334.8	4368.8	4325.1
37.5°	4223.1	4208.6	4223.1	4223.1	4223.1	4232.9	4213.5	4198.9	4169.8	4213.5	4179.5
40°	4043.5	4024.1	4043.5	4038.7	4043.5	4053.3	4043.5	4033.9	4004.7	4038.7	4009.6
42.5°	3839.7	3834.8	3839.7	3844.6	3844.6	3864.0	3878.5	3859.1	3849.3	3825.2	3844.6
45°	3621.2	3611.5	3621.2	3631.0	3635.8	3645.5	3689.2	3689.2	3674.6	3635.8	3664.9
47.5°	3388.3	3364.0	3388.3	3417.3	3417.3	3432.0	3475.6	3509.6	3485.3	3436.7	3451.4
50°	3140.7	3145.5	3140.7	3160.1	3160.1	3213.5	3247.4	3281.5	3305.8	3247.4	3179.5
52.5°	2897.9	2893.2	2897.9	2912.6	2932.0	2956.2	3014.5	3048.4	3087.3	3053.3	2946.5
55°	2655.3	2665.0	2655.3	2660.1	2669.8	2684.4	2771.7	2805.8	2878.5	2834.8	2723.2
57.5°	2412.6	2397.9	2412.6	2422.2	2427.1	2441.6	2514.5	2577.6	2621.3	2626.1	2490.2
60°	2131.0	2111.6	2131.0	2174.7	2184.4	2194.1	2262.1	2320.3	2359.1	2373.7	2232.9
62.5°	1883.4	1849.5	1883.4	1912.6	1932.0	1956.3	2004.8	2092.2	2126.1	2131.0	1932.0
65°	1621.3	1606.8	1621.3	1679.6	1684.4	1713.5	1766.9	1830.1	1902.8	1893.2	1606.8
67.5°	1383.4	1383.4	1383.4	1422.2	1451.4	1465.9	1533.9	1563.1	1655.3	1665.0	1339.7
70°	1165.0	1160.1	1165.0	1194.1	1213.5	1247.5	1310.7	1344.6	1417.5	1441.7	1087.4
72.5°	956.3	951.4	956.3	980.6	1000.0	1029.1	1082.5	1121.3	1184.4	1213.5	844.6
75°	771.8	762.1	771.8	791.2	786.4	825.2	868.9	907.7	965.9	985.4	626.2
77.5°	592.2	592.2	592.2	611.7	611.7	650.5	669.9	718.4	752.4	781.5	461.2
80°	441.8	436.9	441.8	446.5	446.5	466.0	500.0	533.9	563.1	563.1	315.5
82.5°	310.7	300.9	310.7	310.7	310.7	320.4	339.8	349.5	368.9	383.5	199.0
85°	194.2	194.2	194.2	199.0	194.2	203.9	208.7	218.4	218.4	208.7	121.3
87.5°	126.2	121.3	126.2	121.3	121.3	116.5	116.5	116.5	111.7	106.8	68.0
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9	52.5	33.4
92.5°	181.6	145.5	181.6	217.7	226.7	321.4	447.6	510.7	448.4	323.8	230.3
95°	633.0	523.8	633.0	742.2	769.5	1010.6	1332.0	1492.6	1260.6	796.6	448.6
97.5°	1516.8	1308.9	1516.8	1724.7	1776.6	1928.9	2132.0	2233.6	1846.7	1073.0	492.8
100°	2185.4	1937.7	2185.4	2433.0	2494.9	2483.8	2469.0	2461.5	2032.2	1173.6	529.7
102.5°	2843.0	2631.0	2843.0	3055.1	3108.2	2914.1	2655.3	2526.0	2090.6	1219.8	566.7
105°	3681.5	3567.6	3681.5	3795.6	3824.1	3389.0	2808.9	2518.8	2097.2	1254.0	621.6
107.5°	4230.9	4258.4	4230.9	4203.2	4196.3	3589.5	2780.2	2375.6	2003.8	1260.4	702.8
110°	4440.3	4559.1	4440.3	4321.5	4291.8	3613.3	2708.6	2256.2	1921.1	1250.8	748.1





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4459.0	4641.5	4459.0	4276.6	4231.0	3536.6	2610.7	2147.7	1848.9	1251.3	803.0
115°	4340.7	4593.6	4340.7	4087.7	4024.5	3355.6	2463.6	2017.7	1766.0	1262.7	885.3
117.5°	4090.0	4370.6	4090.0	3809.5	3739.4	3135.6	2330.6	1928.2	1714.2	1286.3	965.3
120°	3888.0	4160.6	3888.0	3615.5	3547.3	2995.7	2260.2	1892.4	1696.8	1305.4	1011.8
122.5°	3691.2	3960.1	3691.2	3422.4	3355.2	2858.4	2196.1	1865.0	1687.6	1332.8	1066.7
125°	3410.5	3658.2	3410.5	3162.9	3101.0	2679.1	2116.4	1835.1	1680.0	1369.7	1137.1
127.5°	3158.2	3367.1	3158.2	2949.2	2897.0	2534.7	2051.6	1810.1	1675.6	1406.8	1205.1
130°	3009.4	3202.5	3009.4	2816.5	2768.2	2445.7	2015.6	1800.5	1678.3	1433.8	1250.4
132.5°	2874.5	3047.4	2874.5	2701.6	2658.4	2369.6	1984.6	1792.1	1679.9	1455.6	1287.4
135°	2689.5	2838.6	2689.5	2540.5	2503.2	2261.4	1939.1	1777.8	1678.4	1479.5	1330.4
137.5°	2541.2	2663.2	2541.2	2419.3	2388.8	2184.3	1911.7	1775.5	1688.7	1515.3	1385.2
140°	2439.4	2553.4	2439.4	2325.4	2296.9	2120.3	1884.8	1767.0	1690.5	1537.2	1422.2
142.5°	2355.0	2453.1	2355.0	2256.9	2232.4	2077.3	1870.5	1767.0	1696.5	1555.4	1449.7
145°	2228.6	2302.8	2228.6	2154.3	2135.8	2008.9	1839.7	1755.2	1696.6	1579.3	1491.5
147.5°	2131.5	2193.0	2131.5	2070.1	2054.7	1954.8	1821.7	1755.2	1708.2	1614.3	1544.0
150°	2070.4	2120.3	2070.4	2020.5	2008.1	1923.8	1811.4	1755.2	1714.4	1632.7	1571.4
152.5°	2018.1	2055.8	2018.1	1980.5	1971.1	1899.1	1803.2	1755.2	1718.3	1644.6	1589.3
155°	1958.1	1983.0	1958.1	1933.1	1926.9	1869.6	1793.3	1755.2	1727.1	1670.9	1628.7
157.5°	1910.7	1928.2	1910.7	1893.2	1888.8	1844.2	1784.8	1755.2	1735.9	1697.1	1668.1
160°	1882.3	1892.4	1882.3	1872.1	1869.6	1831.5	1780.6	1755.2	1739.8	1709.0	1686.0
162.5°	1863.7	1873.3	1863.7	1854.2	1851.8	1819.5	1776.6	1755.2	1744.0	1721.7	1705.0
165°	1836.9	1847.0	1836.9	1826.8	1824.3	1801.3	1770.6	1755.2	1750.1	1740.0	1732.4
167.5°	1817.7	1821.9	1817.7	1813.5	1812.5	1797.4	1777.2	1767.0	1762.8	1754.3	1748.0
170°	1812.5	1812.5	1812.5	1812.5	1812.5	1797.4	1777.2	1767.0	1766.8	1766.3	1765.9
172.5°	1798.2	1794.5	1798.2	1801.9	1802.9	1790.9	1775.0	1767.0	1767.0	1767.0	1767.0
175°	1789.7	1789.7	1789.7	1789.7	1789.7	1782.2	1772.1	1767.0	1769.4	1774.2	1777.8
177.5°	1782.1	1777.8	1782.1	1786.3	1787.3	1781.4	1773.5	1769.4	1771.3	1775.1	1777.8
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



TEST NUMBER: P935330

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5203.7	5174.6	5174.6	5126.1	5106.6	5092.1	5067.8	4995.0	4975.6	4956.1	4985.3
5°	5247.4	5194.0	5155.1	5067.8	4995.0	4965.9	4873.6	4698.8	4582.4	4495.0	4446.5
7.5°	5257.1	5189.2	5116.3	4980.4	4805.6	4728.0	4446.5	4126.1	4038.7	3961.0	3912.5
10°	5247.4	5169.8	5067.8	4864.0	4451.3	4315.4	4033.9	3825.2	3771.7	3757.2	3771.7
12.5°	5213.5	5140.6	4999.8	4660.0	4082.4	3990.2	3825.2	3703.7	3694.1	3718.3	3849.3
15°	5155.1	5087.2	4922.2	4388.2	3878.5	3810.5	3694.1	3650.4	3703.7	3873.6	4266.8
17.5°	5096.9	5019.2	4815.4	4121.2	3723.2	3674.6	3592.1	3679.5	3980.4	4208.6	4339.7
20°	5019.2	4927.0	4694.0	3927.1	3611.5	3567.8	3529.0	3922.2	4150.4	4232.9	4305.6
22.5°	4927.0	4829.9	4529.0	3791.1	3495.1	3461.0	3485.3	4058.1	4150.4	4208.6	4271.7
25°	4805.6	4723.1	4334.8	3684.3	3402.8	3364.0	3456.2	4043.5	4096.9	4111.5	4237.8
27.5°	4694.0	4587.2	4130.9	3587.3	3291.1	3276.6	3480.4	3980.4	4019.3	4033.9	4169.8
30°	4558.1	4397.9	3902.8	3485.3	3174.7	3169.8	3485.3	3902.8	3893.0	3931.9	4067.8
32.5°	4417.3	4116.4	3645.5	3359.1	3063.0	3058.2	3451.4	3786.2	3776.6	3829.9	3931.9
35°	4286.2	3897.9	3296.0	3213.5	2922.2	2927.1	3368.9	3650.4	3655.2	3703.7	3766.8
37.5°	4150.4	3708.6	2912.6	3053.3	2786.3	2786.3	3257.2	3524.1	3514.5	3529.0	3616.4
40°	3990.2	3412.5	2572.7	2844.6	2660.1	2645.5	3121.3	3388.3	3354.2	3349.4	3470.8
42.5°	3820.3	3087.3	2320.3	2567.9	2514.5	2495.1	2956.2	3223.2	3160.1	3174.7	3329.9
45°	3635.8	2999.9	2126.1	2169.8	2364.0	2349.5	2776.6	3033.9	2990.2	3029.0	3189.2
47.5°	3451.4	2825.2	2063.1	1800.9	2203.8	2199.0	2577.6	2849.5	2825.2	2864.0	3033.9
50°	3198.9	2631.0	2058.2	1543.7	2024.2	2043.6	2339.7	2669.8	2669.8	2703.8	2883.4
52.5°	2873.6	2393.2	1868.9	1398.0	1815.4	1873.8	2131.0	2514.5	2524.2	2558.2	2718.4
55°	2577.6	2145.6	1732.9	1286.4	1567.9	1694.1	1927.1	2354.2	2373.7	2407.7	2553.3
57.5°	2305.8	1786.4	1703.8	1155.3	1339.7	1461.2	1747.5	2199.0	2208.7	2237.8	2378.5
60°	2014.5	1291.2	1563.1	1014.5	1140.7	1233.0	1582.5	2014.5	2048.5	2067.9	2189.2
62.5°	1684.4	936.9	1417.5	917.5	1043.7	1063.1	1446.5	1839.7	1883.4	1897.9	1970.8
65°	1199.0	786.4	1203.8	834.9	941.8	946.5	1300.9	1660.1	1699.0	1723.3	1776.6
67.5°	810.7	640.7	917.5	757.2	864.0	868.9	1160.1	1451.4	1504.8	1524.3	1558.2
70°	563.1	427.1	679.6	674.7	776.7	786.4	1009.6	1262.1	1310.7	1325.2	1344.6
72.5°	412.6	344.6	563.1	606.8	684.4	694.2	854.4	1048.5	1097.0	1111.6	1121.3
75°	315.5	364.0	456.3	529.1	582.5	587.4	699.0	854.4	888.3	898.1	902.8
77.5°	252.4	339.8	335.0	427.1	475.7	466.0	548.6	660.2	689.3	689.3	689.3
80°	189.3	267.0	252.4	305.8	349.5	339.8	393.2	470.8	480.6	490.2	485.5
82.5°	140.8	169.9	169.9	194.2	233.0	223.3	262.1	305.8	305.8	305.8	315.5
85°	87.4	97.1	77.6	101.9	131.1	126.2	145.6	165.0	169.9	169.9	160.2
87.5°	53.4	43.7	24.3	38.8	58.2	58.2	68.0	72.8	68.0	68.0	68.0
90°	31.0	21.5	12.0	21.5	31.0	33.4	52.5	77.9	90.6	80.6	60.4
92.5°	210.0	128.8	47.7	128.8	210.0	230.3	323.8	448.4	510.7	447.6	321.4
95°	411.5	263.0	114.6	263.0	411.5	448.6	796.6	1260.6	1492.6	1332.0	1010.6
97.5°	460.0	329.0	198.0	329.0	460.0	492.8	1073.0	1846.7	2233.6	2132.0	1928.9
100°	500.0	381.2	262.5	381.2	500.0	529.7	1173.6	2032.2	2461.5	2469.0	2483.8
102.5°	539.0	428.2	317.4	428.2	539.0	566.7	1219.8	2090.6	2526.0	2655.3	2914.1
105°	598.2	504.3	410.5	504.3	598.2	621.6	1254.0	2097.2	2518.8	2808.9	3389.0
107.5°	680.9	593.4	505.9	593.4	680.9	702.8	1260.4	2003.8	2375.6	2780.2	3589.5
110°	728.3	649.4	570.4	649.4	728.3	748.1	1250.8	1921.1	2256.2	2708.6	3613.3



TEST NUMBER: P935330

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	784.2	708.9	633.6	708.9	784.2	803.0	1251.3	1848.9	2147.7	2610.7	3536.6
115°	867.9	798.5	729.0	798.5	867.9	885.3	1262.7	1766.0	2017.7	2463.6	3355.6
117.5°	949.5	886.4	823.3	886.4	949.5	965.3	1286.3	1714.2	1928.2	2330.6	3135.6
120°	997.0	937.5	878.2	937.5	997.0	1011.8	1305.4	1696.8	1892.4	2260.2	2995.7
122.5°	1051.7	991.9	931.9	991.9	1051.7	1066.7	1332.8	1687.6	1865.0	2196.1	2858.4
125°	1123.4	1068.8	1014.2	1068.8	1123.4	1137.1	1369.7	1680.0	1835.1	2116.4	2679.1
127.5°	1191.3	1136.1	1081.0	1136.1	1191.3	1205.1	1406.8	1675.6	1810.1	2051.6	2534.7
130°	1235.6	1176.2	1116.8	1176.2	1235.6	1250.4	1433.8	1678.3	1800.5	2015.6	2445.7
132.5°	1272.6	1213.2	1153.8	1213.2	1272.6	1287.4	1455.6	1679.9	1792.1	1984.6	2369.6
135°	1316.9	1262.7	1208.7	1262.7	1316.9	1330.4	1479.5	1678.4	1777.8	1939.1	2261.4
137.5°	1371.9	1318.3	1264.8	1318.3	1371.9	1385.2	1515.3	1688.7	1775.5	1911.7	2184.3
140°	1409.9	1360.7	1311.3	1360.7	1409.9	1422.2	1537.2	1690.5	1767.0	1884.8	2120.3
142.5°	1438.3	1392.7	1347.1	1392.7	1438.3	1449.7	1555.4	1696.5	1767.0	1870.5	2077.3
145°	1481.5	1441.7	1402.0	1441.7	1481.5	1491.5	1579.3	1696.6	1755.2	1839.7	2008.9
147.5°	1534.3	1495.6	1456.9	1495.6	1534.3	1544.0	1614.3	1708.2	1755.2	1821.7	1954.8
150°	1562.6	1527.6	1492.6	1527.6	1562.6	1571.4	1632.7	1714.4	1755.2	1811.4	1923.8
152.5°	1582.7	1556.1	1529.6	1556.1	1582.7	1589.3	1644.6	1718.3	1755.2	1803.2	1899.1
155°	1623.8	1604.1	1584.5	1604.1	1623.8	1628.7	1670.9	1727.1	1755.2	1793.3	1869.6
157.5°	1663.3	1644.2	1625.1	1644.2	1663.3	1668.1	1697.1	1735.9	1755.2	1784.8	1844.2
160°	1682.2	1667.4	1652.5	1667.4	1682.2	1686.0	1709.0	1739.8	1755.2	1780.6	1831.5
162.5°	1702.2	1691.0	1679.9	1691.0	1702.2	1705.0	1721.7	1744.0	1755.2	1776.6	1819.5
165°	1729.9	1719.8	1709.8	1719.8	1729.9	1732.4	1740.0	1750.1	1755.2	1770.6	1801.3
167.5°	1746.8	1742.0	1737.2	1742.0	1746.8	1748.0	1754.3	1762.8	1767.0	1777.2	1797.4
170°	1764.7	1760.0	1755.2	1760.0	1764.7	1765.9	1766.3	1766.8	1767.0	1777.2	1797.4
172.5°	1766.8	1765.7	1764.7	1765.7	1766.8	1767.0	1767.0	1767.0	1767.0	1775.0	1790.9
175°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1774.2	1769.4	1767.0	1772.1	1782.2
177.5°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1775.1	1771.3	1769.4	1773.5	1781.4
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



TEST NUMBER: P935330

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	4951.3	4936.7	4956.1	4902.8	4956.1	4936.7	4951.3	4985.3	4956.1	4975.6	4995.0
5°	4344.6	4320.3	4242.5	4179.5	4242.5	4320.3	4344.6	4446.5	4495.0	4582.4	4698.8
7.5°	3883.4	3864.0	3844.6	3805.7	3844.6	3864.0	3883.4	3912.5	3961.0	4038.7	4126.1
10°	3781.5	3786.2	3815.4	3810.5	3815.4	3786.2	3781.5	3771.7	3757.2	3771.7	3825.2
12.5°	4043.5	4087.2	4247.4	4237.8	4247.4	4087.2	4043.5	3849.3	3718.3	3694.1	3703.7
15°	4344.6	4359.1	4393.0	4397.9	4393.0	4359.1	4344.6	4266.8	3873.6	3703.7	3650.4
17.5°	4373.6	4378.5	4402.8	4402.8	4402.8	4378.5	4373.6	4339.7	4208.6	3980.4	3679.5
20°	4349.3	4359.1	4407.7	4417.3	4407.7	4359.1	4349.3	4305.6	4232.9	4150.4	3922.2
22.5°	4339.7	4359.1	4397.9	4393.0	4397.9	4359.1	4339.7	4271.7	4208.6	4150.4	4058.1
25°	4291.1	4291.1	4296.0	4300.9	4296.0	4291.1	4291.1	4237.8	4111.5	4096.9	4043.5
27.5°	4189.2	4198.9	4228.0	4223.1	4228.0	4198.9	4189.2	4169.8	4033.9	4019.3	3980.4
30°	4096.9	4087.2	4063.0	4043.5	4063.0	4087.2	4096.9	4067.8	3931.9	3893.0	3902.8
32.5°	3941.6	3917.3	3893.0	3878.5	3893.0	3917.3	3941.6	3931.9	3829.9	3776.6	3786.2
35°	3757.2	3762.0	3757.2	3742.6	3757.2	3762.0	3757.2	3766.8	3703.7	3655.2	3650.4
37.5°	3626.1	3635.8	3631.0	3611.5	3631.0	3635.8	3626.1	3616.4	3529.0	3514.5	3524.1
40°	3490.2	3495.1	3490.2	3475.6	3490.2	3495.1	3490.2	3470.8	3349.4	3354.2	3388.3
42.5°	3359.1	3354.2	3339.7	3329.9	3339.7	3354.2	3359.1	3329.9	3174.7	3160.1	3223.2
45°	3208.6	3213.5	3184.3	3169.8	3184.3	3213.5	3208.6	3189.2	3029.0	2990.2	3033.9
47.5°	3058.2	3058.2	3033.9	3019.3	3033.9	3058.2	3058.2	3033.9	2864.0	2825.2	2849.5
50°	2897.9	2893.2	2859.1	2854.2	2859.1	2893.2	2897.9	2883.4	2703.8	2669.8	2669.8
52.5°	2713.5	2713.5	2718.4	2728.0	2718.4	2713.5	2713.5	2718.4	2558.2	2524.2	2514.5
55°	2553.3	2558.2	2592.1	2601.9	2592.1	2558.2	2553.3	2553.3	2407.7	2373.7	2354.2
57.5°	2388.3	2388.3	2412.6	2412.6	2412.6	2388.3	2388.3	2378.5	2237.8	2208.7	2199.0
60°	2199.0	2208.7	2228.1	2223.2	2228.1	2208.7	2199.0	2189.2	2067.9	2048.5	2014.5
62.5°	2000.0	2009.6	2014.5	2004.8	2014.5	2009.6	2000.0	1970.8	1897.9	1883.4	1839.7
65°	1791.2	1800.9	1805.8	1796.0	1805.8	1800.9	1791.2	1776.6	1723.3	1699.0	1660.1
67.5°	1577.6	1572.7	1567.9	1587.3	1567.9	1572.7	1577.6	1558.2	1524.3	1504.8	1451.4
70°	1359.1	1359.1	1354.4	1364.0	1354.4	1359.1	1359.1	1344.6	1325.2	1310.7	1262.1
72.5°	1126.2	1121.3	1140.7	1126.2	1140.7	1121.3	1126.2	1121.3	1111.6	1097.0	1048.5
75°	898.1	907.7	898.1	912.6	898.1	907.7	898.1	902.8	898.1	888.3	854.4
77.5°	684.4	694.2	684.4	684.4	684.4	694.2	684.4	689.3	689.3	689.3	660.2
80°	485.5	480.6	480.6	475.7	480.6	480.6	485.5	485.5	490.2	480.6	470.8
82.5°	310.7	305.8	305.8	315.5	305.8	305.8	310.7	315.5	305.8	305.8	305.8
85°	169.9	174.8	165.0	165.0	165.0	174.8	169.9	160.2	169.9	169.9	165.0
87.5°	63.1	58.2	58.2	58.2	58.2	58.2	63.1	68.0	68.0	68.0	72.8
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.6	90.6	77.9
92.5°	226.7	217.7	181.6	145.5	181.6	217.7	226.7	321.4	447.6	510.7	448.4
95°	769.5	742.2	633.0	523.8	633.0	742.2	769.5	1010.6	1332.0	1492.6	1260.6
97.5°	1776.6	1724.7	1516.8	1308.9	1516.8	1724.7	1776.6	1928.9	2132.0	2233.6	1846.7
100°	2494.9	2433.0	2185.4	1937.7	2185.4	2433.0	2494.9	2483.8	2469.0	2461.5	2032.2
102.5°	3108.2	3055.1	2843.0	2631.0	2843.0	3055.1	3108.2	2914.1	2655.3	2526.0	2090.6
105°	3824.1	3795.6	3681.5	3567.6	3681.5	3795.6	3824.1	3389.0	2808.9	2518.8	2097.2
107.5°	4196.3	4203.2	4230.9	4258.4	4230.9	4203.2	4196.3	3589.5	2780.2	2375.6	2003.8
110°	4291.8	4321.5	4440.3	4559.1	4440.3	4321.5	4291.8	3613.3	2708.6	2256.2	1921.1



TEST NUMBER: P935330

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4231.0	4276.6	4459.0	4641.5	4459.0	4276.6	4231.0	3536.6	2610.7	2147.7	1848.9
115°	4024.5	4087.7	4340.7	4593.6	4340.7	4087.7	4024.5	3355.6	2463.6	2017.7	1766.0
117.5°	3739.4	3809.5	4090.0	4370.6	4090.0	3809.5	3739.4	3135.6	2330.6	1928.2	1714.2
120°	3547.3	3615.5	3888.0	4160.6	3888.0	3615.5	3547.3	2995.7	2260.2	1892.4	1696.8
122.5°	3355.2	3422.4	3691.2	3960.1	3691.2	3422.4	3355.2	2858.4	2196.1	1865.0	1687.6
125°	3101.0	3162.9	3410.5	3658.2	3410.5	3162.9	3101.0	2679.1	2116.4	1835.1	1680.0
127.5°	2897.0	2949.2	3158.2	3367.1	3158.2	2949.2	2897.0	2534.7	2051.6	1810.1	1675.6
130°	2768.2	2816.5	3009.4	3202.5	3009.4	2816.5	2768.2	2445.7	2015.6	1800.5	1678.3
132.5°	2658.4	2701.6	2874.5	3047.4	2874.5	2701.6	2658.4	2369.6	1984.6	1792.1	1679.9
135°	2503.2	2540.5	2689.5	2838.6	2689.5	2540.5	2503.2	2261.4	1939.1	1777.8	1678.4
137.5°	2388.8	2419.3	2541.2	2663.2	2541.2	2419.3	2388.8	2184.3	1911.7	1775.5	1688.7
140°	2296.9	2325.4	2439.4	2553.4	2439.4	2325.4	2296.9	2120.3	1884.8	1767.0	1690.5
142.5°	2232.4	2256.9	2355.0	2453.1	2355.0	2256.9	2232.4	2077.3	1870.5	1767.0	1696.5
145°	2135.8	2154.3	2228.6	2302.8	2228.6	2154.3	2135.8	2008.9	1839.7	1755.2	1696.6
147.5°	2054.7	2070.1	2131.5	2193.0	2131.5	2070.1	2054.7	1954.8	1821.7	1755.2	1708.2
150°	2008.1	2020.5	2070.4	2120.3	2070.4	2020.5	2008.1	1923.8	1811.4	1755.2	1714.4
152.5°	1971.1	1980.5	2018.1	2055.8	2018.1	1980.5	1971.1	1899.1	1803.2	1755.2	1718.3
155°	1926.9	1933.1	1958.1	1983.0	1958.1	1933.1	1926.9	1869.6	1793.3	1755.2	1727.1
157.5°	1888.8	1893.2	1910.7	1928.2	1910.7	1893.2	1888.8	1844.2	1784.8	1755.2	1735.9
160°	1869.6	1872.1	1882.3	1892.4	1882.3	1872.1	1869.6	1831.5	1780.6	1755.2	1739.8
162.5°	1851.8	1854.2	1863.7	1873.3	1863.7	1854.2	1851.8	1819.5	1776.6	1755.2	1744.0
165°	1824.3	1826.8	1836.9	1847.0	1836.9	1826.8	1824.3	1801.3	1770.6	1755.2	1750.1
167.5°	1812.5	1813.5	1817.7	1821.9	1817.7	1813.5	1812.5	1797.4	1777.2	1767.0	1762.8
170°	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1797.4	1777.2	1767.0	1766.8
172.5°	1802.9	1801.9	1798.2	1794.5	1798.2	1801.9	1802.9	1790.9	1775.0	1767.0	1767.0
175°	1789.7	1789.7	1789.7	1789.7	1789.7	1789.7	1789.7	1782.2	1772.1	1767.0	1769.4
177.5°	1787.3	1786.3	1782.1	1777.8	1782.1	1786.3	1787.3	1781.4	1773.5	1769.4	1771.3
180°	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8	1777.8



TEST NUMBER: P935330

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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5067.8	5092.1	5106.6	5126.1	5174.6
5°	4873.6	4965.9	4995.0	5067.8	5155.1
7.5°	4446.5	4728.0	4805.6	4980.4	5116.3
10°	4033.9	4315.4	4451.3	4864.0	5067.8
12.5°	3825.2	3990.2	4082.4	4660.0	4999.8
15°	3694.1	3810.5	3878.5	4388.2	4922.2
17.5°	3592.1	3674.6	3723.2	4121.2	4815.4
20°	3529.0	3567.8	3611.5	3927.1	4694.0
22.5°	3485.3	3461.0	3495.1	3791.1	4529.0
25°	3456.2	3364.0	3402.8	3684.3	4334.8
27.5°	3480.4	3276.6	3291.1	3587.3	4130.9
30°	3485.3	3169.8	3174.7	3485.3	3902.8
32.5°	3451.4	3058.2	3063.0	3359.1	3645.5
35°	3368.9	2927.1	2922.2	3213.5	3296.0
37.5°	3257.2	2786.3	2786.3	3053.3	2912.6
40°	3121.3	2645.5	2660.1	2844.6	2572.7
42.5°	2956.2	2495.1	2514.5	2567.9	2320.3
45°	2776.6	2349.5	2364.0	2169.8	2126.1
47.5°	2577.6	2199.0	2203.8	1800.9	2063.1
50°	2339.7	2043.6	2024.2	1543.7	2058.2
52.5°	2131.0	1873.8	1815.4	1398.0	1868.9
55°	1927.1	1694.1	1567.9	1286.4	1732.9
57.5°	1747.5	1461.2	1339.7	1155.3	1703.8
60°	1582.5	1233.0	1140.7	1014.5	1563.1
62.5°	1446.5	1063.1	1043.7	917.5	1417.5
65°	1300.9	946.5	941.8	834.9	1203.8
67.5°	1160.1	868.9	864.0	757.2	917.5
70°	1009.6	786.4	776.7	674.7	679.6
72.5°	854.4	694.2	684.4	606.8	563.1
75°	699.0	587.4	582.5	529.1	456.3
77.5°	548.6	466.0	475.7	427.1	335.0
80°	393.2	339.8	349.5	305.8	252.4
82.5°	262.1	223.3	233.0	194.2	169.9
85°	145.6	126.2	131.1	101.9	77.6
87.5°	68.0	58.2	58.2	38.8	24.3
90°	52.5	33.4	31.0	21.5	12.0
92.5°	323.8	230.3	210.0	128.8	47.7
95°	796.6	448.6	411.5	263.0	114.6
97.5°	1073.0	492.8	460.0	329.0	198.0
100°	1173.6	529.7	500.0	381.2	262.5
102.5°	1219.8	566.7	539.0	428.2	317.4
105°	1254.0	621.6	598.2	504.3	410.5
107.5°	1260.4	702.8	680.9	593.4	505.9
110°	1250.8	748.1	728.3	649.4	570.4



TEST NUMBER: P935330

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1251.3	803.0	784.2	708.9	633.6
115°	1262.7	885.3	867.9	798.5	729.0
117.5°	1286.3	965.3	949.5	886.4	823.3
120°	1305.4	1011.8	997.0	937.5	878.2
122.5°	1332.8	1066.7	1051.7	991.9	931.9
125°	1369.7	1137.1	1123.4	1068.8	1014.2
127.5°	1406.8	1205.1	1191.3	1136.1	1081.0
130°	1433.8	1250.4	1235.6	1176.2	1116.8
132.5°	1455.6	1287.4	1272.6	1213.2	1153.8
135°	1479.5	1330.4	1316.9	1262.7	1208.7
137.5°	1515.3	1385.2	1371.9	1318.3	1264.8
140°	1537.2	1422.2	1409.9	1360.7	1311.3
142.5°	1555.4	1449.7	1438.3	1392.7	1347.1
145°	1579.3	1491.5	1481.5	1441.7	1402.0
147.5°	1614.3	1544.0	1534.3	1495.6	1456.9
150°	1632.7	1571.4	1562.6	1527.6	1492.6
152.5°	1644.6	1589.3	1582.7	1556.1	1529.6
155°	1670.9	1628.7	1623.8	1604.1	1584.5
157.5°	1697.1	1668.1	1663.3	1644.2	1625.1
160°	1709.0	1686.0	1682.2	1667.4	1652.5
162.5°	1721.7	1705.0	1702.2	1691.0	1679.9
165°	1740.0	1732.4	1729.9	1719.8	1709.8
167.5°	1754.3	1748.0	1746.8	1742.0	1737.2
170°	1766.3	1765.9	1764.7	1760.0	1755.2
172.5°	1767.0	1767.0	1766.8	1765.7	1764.7
175°	1774.2	1777.8	1777.8	1777.8	1777.8
177.5°	1775.1	1777.8	1777.8	1777.8	1777.8
180°	1777.8	1777.8	1777.8	1777.8	1777.8



TEST NUMBER: P935330  
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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	14.74	15.64	15.67	16.58	17.80	17.59	18.49	18.52	19.43	20.65
	3H	15.22	16.02	16.16	16.98	18.22	18.95	19.75	19.89	20.70	21.95
	4H	15.41	16.17	16.37	17.13	18.38	19.40	20.16	20.35	21.11	22.37
	6H	15.54	16.23	16.50	17.20	18.46	19.69	20.39	20.65	21.35	22.62
	8H	15.54	16.20	16.51	17.18	18.44	19.77	20.43	20.74	21.41	22.68
	12H	15.51	16.14	16.49	17.12	18.40	19.81	20.45	20.79	21.42	22.71
4H	2H	15.78	16.54	16.74	17.50	18.75	18.01	18.76	18.96	19.72	20.97
	3H	16.82	17.45	17.78	18.43	19.70	19.52	20.15	20.49	21.14	22.41
	4H	17.09	17.67	18.07	18.65	19.94	20.06	20.63	21.03	21.61	22.90
	6H	17.22	17.72	18.21	18.72	20.01	20.43	20.93	21.42	21.93	23.22
	8H	17.23	17.69	18.22	18.69	19.99	20.54	21.00	21.53	22.00	23.30
	12H	17.19	17.61	18.20	18.63	19.94	20.60	21.02	21.61	22.03	23.34
8H	4H	17.55	18.02	18.54	19.01	20.32	20.18	20.65	21.17	21.64	22.95
	6H	17.82	18.20	18.83	19.24	20.54	20.63	21.01	21.64	22.05	23.35
	8H	17.86	18.20	18.88	19.22	20.54	20.78	21.12	21.81	22.15	23.47
	12H	17.84	18.14	18.87	19.16	20.53	20.89	21.18	21.91	22.20	23.57
12H	4H	17.56	17.98	18.57	18.99	20.30	20.15	20.57	21.16	21.58	22.89
	6H	17.88	18.22	18.90	19.24	20.56	20.62	20.96	21.65	21.99	23.31
	8H	17.95	18.24	18.97	19.26	20.63	20.79	21.09	21.82	22.11	23.47