

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: P935401

Luminaire Tested: SQ4-FA-100U-125D-B40-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

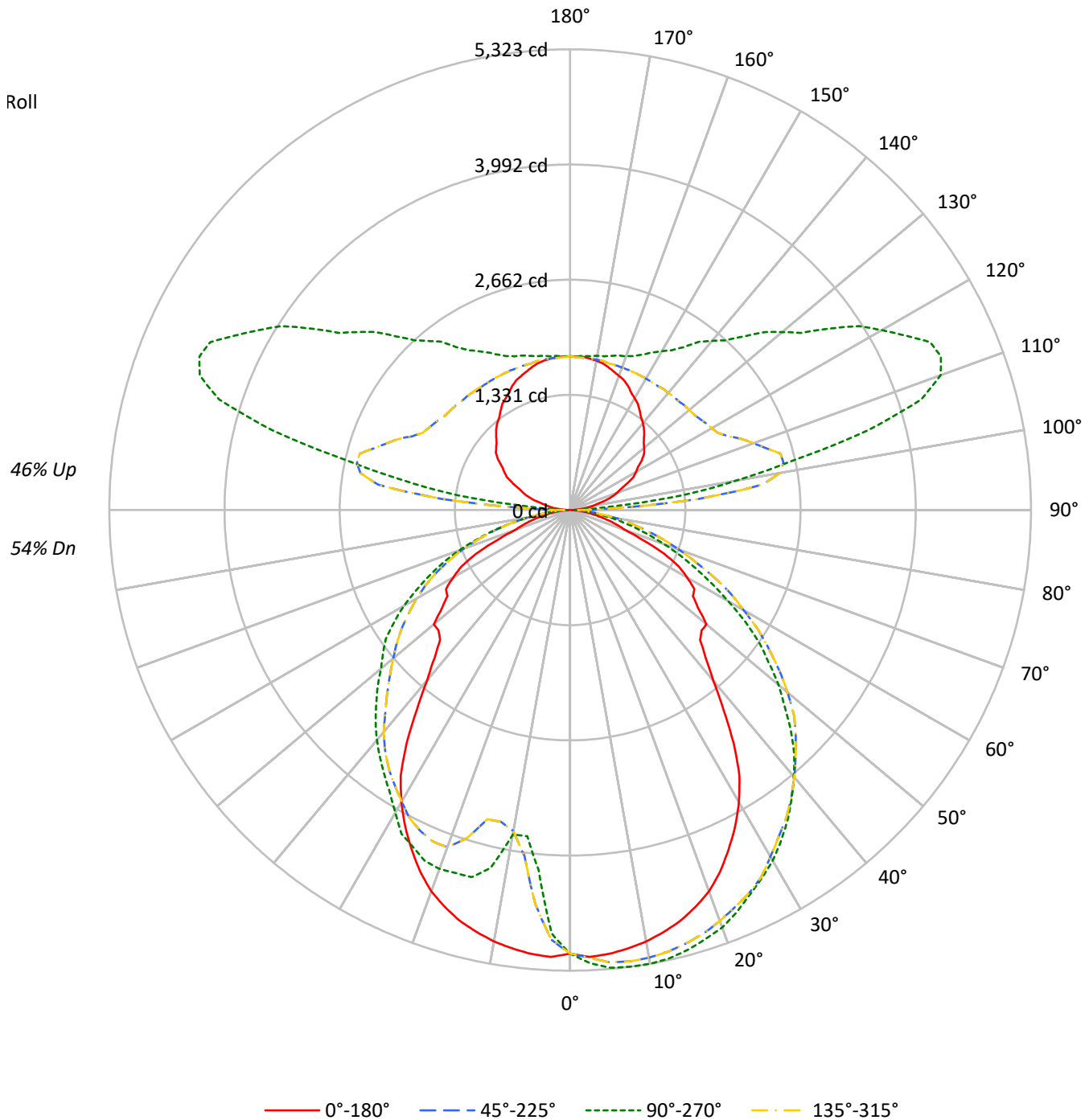
Test Method: LM-79-2019  
Report Number: P935401  
REPORT IS A COMBINATION OF REPORTS P933749 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-125D-B40-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24804.2 lumens  
Efficiency: N/A  
Efficacy: 120.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: 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

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CATALOG NUMBER: SQ4-FA-100U-125D-B40-1D-UNV-STD-W-12

### Luminous Intensity Polar Plot





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

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

	0°	90°	180°	270°
0°	15850	15850	15850	15850
5°	15975	16000	15975	12581
10°	15874	15761	15874	11268
15°	15707	15419	15707	12876
20°	15385	15015	15385	12902
25°	14718	14425	14718	12629
30°	13855	13935	13855	12029
35°	12358	13316	12358	11369
40°	10303	12586	10303	10870
45°	9212	11732	9212	10297
50°	9794	10714	9794	9722
55°	9223	9617	9223	9390
60°	9520	8168	9520	8600
65°	8645	6752	8645	7547
70°	6000	5381	6000	6326
75°	5282	3977	5282	4763
80°	4288	2629	4288	2863
85°	2511	1393	2511	1184

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14110 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	462.6	1.9
10°-20°	1313.4	5.3
20°-30°	2030.3	8.2
30°-40°	2423.7	9.8
40°-50°	2437.9	9.8
50°-60°	2121.3	8.6
60°-70°	1504.0	6.1
70°-80°	795.7	3.2
80°-90°	204.9	0.8
90°-100°	865.5	3.5
100°-110°	2275.5	9.2
110°-120°	2359.4	9.5
120°-130°	1892.6	7.6
130°-140°	1485.0	6.0
140°-150°	1139.8	4.6
150°-160°	820.8	3.3
160°-170°	502.2	2.0
170°-180°	169.7	0.7
0°-30°	3806.2	15.3
0°-40°	6229.9	25.1
0°-60°	10789.0	43.5
0°-90°	13293.7	53.6
90°-120°	5500.5	22.2
90°-150°	10017.8	40.4
90°-180°	11511.0	46.4
0°-180°	24804.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5124	5124	5124	5124	5124	
5°	5149	5309	5149	4174	5149	488
15°	4916	5260	4916	4392	4916	1383
25°	4329	4906	4329	4296	4329	1988
35°	3292	4378	3292	3738	3292	2037
45°	2123	3607	2123	3166	2123	1701
55°	1731	2662	1731	2599	1731	1590
65°	1202	1605	1202	1794	1202	1149
75°	456	761	456	912	456	479
85°	78	194	78	165	78	105
90°	12	45	12	45	12	13
95°	114	523	114	523	114	127
105°	410	3563	410	3563	410	435
115°	728	4588	728	4588	728	719
125°	1013	3654	1013	3654	1013	899
135°	1207	2835	1207	2835	1207	934
145°	1400	2300	1400	2300	1400	877
155°	1582	1981	1582	1981	1582	727
165°	1708	1845	1708	1845	1708	482
175°	1776	1788	1776	1788	1776	169
180°	1776	1776	1776	1776	1776	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5168.2	5168.2	5197.2	5206.9	5206.9	5192.3	5177.8	5192.3	5236.0	5250.6	5245.7
5°	5148.7	5187.6	5240.8	5250.6	5260.2	5255.4	5245.7	5255.4	5303.9	5313.6	5318.4
7.5°	5109.9	5182.7	5250.6	5265.1	5279.6	5265.1	5260.2	5270.0	5318.4	5328.1	5328.1
10°	5061.5	5163.3	5240.8	5250.6	5265.1	5250.6	5250.6	5270.0	5318.4	5328.1	5333.0
12.5°	4993.6	5134.2	5206.9	5216.6	5236.0	5231.1	5226.3	5245.7	5294.1	5303.9	5303.9
15°	4916.1	5080.9	5148.7	5158.4	5192.3	5182.7	5182.7	5202.1	5255.4	5270.0	5265.1
17.5°	4809.4	5013.0	5090.5	5105.1	5129.3	5124.5	5129.3	5148.7	5197.2	5206.9	5211.7
20°	4688.2	4920.8	5013.0	5027.5	5051.8	5051.8	5051.8	5076.0	5124.5	5143.9	5143.9
22.5°	4523.4	4823.9	4920.8	4930.6	4959.7	4959.7	4969.3	5003.2	5046.9	5051.8	5051.8
25°	4329.4	4717.2	4799.6	4828.8	4857.9	4872.4	4886.9	4906.3	4920.8	4916.1	4920.8
27.5°	4125.8	4581.5	4688.2	4707.6	4746.3	4760.9	4780.3	4785.1	4790.0	4804.5	4794.9
30°	3897.9	4392.4	4552.4	4571.8	4634.8	4644.5	4625.2	4634.8	4659.1	4668.8	4678.4
32.5°	3640.9	4111.3	4411.8	4455.5	4513.6	4484.6	4479.7	4494.2	4533.0	4533.0	4542.7
35°	3291.9	3893.1	4280.9	4319.7	4363.3	4329.4	4348.8	4353.7	4377.9	4392.4	4387.6
37.5°	2908.9	3704.0	4145.2	4174.3	4208.2	4164.6	4193.7	4208.2	4227.6	4217.9	4217.9
40°	2569.5	3408.2	3985.2	4004.6	4033.6	3999.7	4028.9	4038.5	4048.2	4038.5	4033.6
42.5°	2317.4	3083.4	3815.5	3839.8	3820.4	3844.5	3854.3	3873.7	3859.2	3839.8	3839.8
45°	2123.4	2996.1	3631.3	3660.3	3631.3	3670.1	3684.6	3684.6	3640.9	3631.3	3626.4
47.5°	2060.5	2821.6	3447.1	3447.1	3432.5	3481.0	3505.2	3471.2	3427.7	3413.1	3413.1
50°	2055.6	2627.7	3195.0	3175.6	3243.4	3301.6	3277.4	3243.4	3209.5	3156.2	3156.2
52.5°	1866.5	2390.2	2870.1	2942.8	3049.5	3083.4	3044.6	3010.7	2952.5	2928.3	2908.9
55°	1730.7	2142.9	2574.4	2719.8	2831.3	2874.9	2802.3	2768.3	2681.1	2666.5	2656.8
57.5°	1701.7	1784.1	2302.9	2487.1	2622.8	2618.0	2574.4	2511.4	2438.6	2424.1	2419.2
60°	1561.1	1289.6	2012.0	2230.1	2370.8	2356.2	2317.4	2259.2	2191.3	2181.7	2172.0
62.5°	1415.7	935.7	1682.3	1929.6	2128.3	2123.4	2089.5	2002.3	1953.8	1929.6	1910.2
65°	1202.3	785.4	1197.5	1604.8	1890.8	1900.4	1827.8	1764.7	1711.4	1682.3	1677.5
67.5°	916.3	639.9	809.6	1338.1	1662.9	1653.2	1561.1	1532.0	1464.1	1449.6	1420.5
70°	678.7	426.6	562.4	1086.0	1439.9	1415.7	1342.9	1309.0	1246.0	1212.0	1192.6
72.5°	562.4	344.2	412.1	843.6	1212.0	1183.0	1119.9	1081.2	1027.8	998.7	979.4
75°	455.7	363.6	315.2	625.4	984.1	964.7	906.6	867.8	824.2	785.4	790.3
77.5°	334.5	339.4	252.1	460.6	780.5	751.5	717.5	669.1	649.7	610.9	610.9
80°	252.1	266.6	189.1	315.2	562.4	562.4	533.3	499.4	465.5	446.0	446.0
82.5°	169.7	169.7	140.6	198.7	383.1	368.4	349.1	339.4	320.0	310.3	310.3
85°	77.5	96.9	87.3	121.2	208.5	218.1	218.1	208.5	203.6	194.0	198.7
87.5°	24.3	43.6	53.3	67.9	106.7	111.5	116.3	116.3	116.3	121.2	121.2
90°	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4	45.3	45.3
92.5°	47.7	128.6	209.7	230.0	323.4	447.8	510.1	447.0	321.0	226.4	217.5
95°	114.4	262.7	411.0	448.1	795.6	1259.1	1490.8	1330.3	1009.3	768.6	741.3
97.5°	197.8	328.6	459.5	492.2	1071.7	1844.4	2230.8	2129.4	1926.5	1774.4	1722.5
100°	262.1	380.8	499.4	529.1	1172.2	2029.7	2458.5	2465.9	2480.7	2491.8	2430.0
102.5°	317.0	427.6	538.3	566.0	1218.3	2088.0	2522.8	2652.0	2910.5	3104.3	3051.3
105°	410.0	503.7	597.4	620.8	1252.5	2094.6	2515.7	2805.4	3384.8	3819.3	3790.9
107.5°	505.3	592.7	680.1	701.9	1258.8	2001.3	2372.6	2776.8	3585.0	4191.1	4198.0
110°	569.7	648.5	727.4	747.2	1249.2	1918.7	2253.4	2705.2	3608.8	4286.4	4316.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	632.8	708.0	783.2	802.0	1249.7	1846.6	2145.0	2607.4	3532.2	4225.7	4271.2
115°	728.1	797.5	866.9	884.2	1261.2	1763.8	2015.1	2460.6	3351.4	4019.5	4082.6
117.5°	822.3	885.3	948.3	964.1	1284.7	1712.0	1925.8	2327.7	3131.7	3734.7	3804.7
120°	877.1	936.4	995.8	1010.6	1303.8	1694.6	1890.0	2257.3	2991.9	3542.9	3611.0
122.5°	930.7	990.6	1050.4	1065.4	1331.2	1685.5	1862.6	2193.3	2854.9	3351.0	3418.1
125°	1013.0	1067.5	1122.0	1135.7	1368.0	1677.9	1832.8	2113.8	2675.7	3097.2	3158.9
127.5°	1079.6	1134.7	1189.8	1203.6	1405.0	1673.5	1807.8	2049.0	2531.5	2893.4	2945.5
130°	1115.4	1174.7	1234.1	1248.9	1432.0	1676.2	1798.3	2013.0	2442.6	2764.7	2813.0
132.5°	1152.4	1211.7	1271.0	1285.8	1453.8	1677.8	1789.9	1982.1	2366.7	2655.1	2698.3
135°	1207.2	1261.2	1315.2	1328.7	1477.7	1676.3	1775.6	1936.6	2258.6	2500.1	2537.3
137.5°	1263.2	1316.7	1370.1	1383.5	1513.4	1686.6	1773.2	1909.3	2181.6	2385.8	2416.2
140°	1309.7	1359.0	1408.1	1420.5	1535.3	1688.3	1764.8	1882.4	2117.6	2294.0	2322.5
142.5°	1345.4	1391.0	1436.5	1447.9	1553.5	1694.4	1764.8	1868.2	2074.7	2229.6	2254.1
145°	1400.2	1439.9	1479.7	1489.6	1577.4	1694.5	1753.0	1837.4	2006.4	2133.1	2151.6
147.5°	1455.0	1493.7	1532.4	1542.0	1612.3	1706.1	1753.0	1819.5	1952.4	2052.1	2067.5
150°	1490.8	1525.7	1560.7	1569.4	1630.7	1712.2	1753.0	1809.2	1921.4	2005.6	2018.0
152.5°	1527.7	1554.2	1580.7	1587.3	1642.5	1716.1	1753.0	1800.9	1896.7	1968.6	1978.0
155°	1582.5	1602.1	1621.8	1626.7	1668.8	1724.9	1753.0	1791.1	1867.3	1924.5	1930.7
157.5°	1623.0	1642.1	1661.2	1666.0	1695.0	1733.7	1753.0	1782.6	1841.9	1886.4	1890.8
160°	1650.4	1665.3	1680.1	1683.9	1706.9	1737.6	1753.0	1778.4	1829.2	1867.3	1869.8
162.5°	1677.8	1688.9	1700.1	1702.9	1719.6	1741.8	1753.0	1774.4	1817.3	1849.5	1851.8
165°	1707.6	1717.7	1727.8	1730.3	1737.8	1747.9	1753.0	1768.4	1799.0	1822.0	1824.5
167.5°	1735.0	1739.8	1744.6	1745.8	1752.1	1760.6	1764.8	1775.0	1795.1	1810.2	1811.3
170°	1753.0	1757.8	1762.5	1763.7	1764.1	1764.6	1764.8	1775.0	1795.1	1810.2	1810.2
172.5°	1762.5	1763.5	1764.6	1764.8	1764.8	1764.8	1764.8	1772.8	1788.7	1800.7	1799.7
175°	1775.6	1775.6	1775.6	1775.6	1772.0	1767.2	1764.8	1769.9	1779.9	1787.5	1787.5
177.5°	1775.6	1775.6	1775.6	1775.6	1772.9	1769.1	1767.2	1771.2	1779.2	1785.1	1784.0
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5255.4	5240.8	5255.4	5245.7	5250.6	5236.0	5192.3	5177.8	5192.3	5206.9	5206.9
5°	5318.4	5308.7	5318.4	5318.4	5313.6	5303.9	5255.4	5245.7	5255.4	5260.2	5250.6
7.5°	5337.8	5323.3	5337.8	5328.1	5328.1	5318.4	5270.0	5260.2	5265.1	5279.6	5265.1
10°	5337.8	5323.3	5337.8	5333.0	5328.1	5318.4	5270.0	5250.6	5250.6	5265.1	5250.6
12.5°	5313.6	5303.9	5313.6	5303.9	5303.9	5294.1	5245.7	5226.3	5231.1	5236.0	5216.6
15°	5274.8	5260.2	5274.8	5265.1	5270.0	5255.4	5202.1	5182.7	5182.7	5192.3	5158.4
17.5°	5216.6	5197.2	5216.6	5211.7	5206.9	5197.2	5148.7	5129.3	5124.5	5129.3	5105.1
20°	5148.7	5134.2	5148.7	5143.9	5143.9	5124.5	5076.0	5051.8	5051.8	5051.8	5027.5
22.5°	5042.1	5027.5	5042.1	5051.8	5051.8	5046.9	5003.2	4969.3	4959.7	4959.7	4930.6
25°	4920.8	4906.3	4920.8	4920.8	4916.1	4920.8	4906.3	4886.9	4872.4	4857.9	4828.8
27.5°	4804.5	4794.9	4804.5	4794.9	4804.5	4790.0	4785.1	4780.3	4760.9	4746.3	4707.6
30°	4688.2	4678.4	4688.2	4678.4	4668.8	4659.1	4634.8	4625.2	4644.5	4634.8	4571.8
32.5°	4542.7	4533.0	4542.7	4542.7	4533.0	4533.0	4494.2	4479.7	4484.6	4513.6	4455.5
35°	4392.4	4377.9	4392.4	4387.6	4392.4	4377.9	4353.7	4348.8	4329.4	4363.3	4319.7
37.5°	4217.9	4203.3	4217.9	4217.9	4217.9	4227.6	4208.2	4193.7	4164.6	4208.2	4174.3
40°	4038.5	4019.1	4038.5	4033.6	4038.5	4048.2	4038.5	4028.9	3999.7	4033.6	4004.6
42.5°	3834.9	3830.0	3834.9	3839.8	3839.8	3859.2	3873.7	3854.3	3844.5	3820.4	3839.8
45°	3616.7	3607.0	3616.7	3626.4	3631.3	3640.9	3684.6	3684.6	3670.1	3631.3	3660.3
47.5°	3384.0	3359.8	3384.0	3413.1	3413.1	3427.7	3471.2	3505.2	3481.0	3432.5	3447.1
50°	3136.8	3141.6	3136.8	3156.2	3156.2	3209.5	3243.4	3277.4	3301.6	3243.4	3175.6
52.5°	2894.3	2889.5	2894.3	2908.9	2928.3	2952.5	3010.7	3044.6	3083.4	3049.5	2942.8
55°	2651.9	2661.7	2651.9	2656.8	2666.5	2681.1	2768.3	2802.3	2874.9	2831.3	2719.8
57.5°	2409.6	2394.9	2409.6	2419.2	2424.1	2438.6	2511.4	2574.4	2618.0	2622.8	2487.1
60°	2128.3	2108.9	2128.3	2172.0	2181.7	2191.3	2259.2	2317.4	2356.2	2370.8	2230.1
62.5°	1881.1	1847.2	1881.1	1910.2	1929.6	1953.8	2002.3	2089.5	2123.4	2128.3	1929.6
65°	1619.3	1604.8	1619.3	1677.5	1682.3	1711.4	1764.7	1827.8	1900.4	1890.8	1604.8
67.5°	1381.7	1381.7	1381.7	1420.5	1449.6	1464.1	1532.0	1561.1	1653.2	1662.9	1338.1
70°	1163.6	1158.7	1163.6	1192.6	1212.0	1246.0	1309.0	1342.9	1415.7	1439.9	1086.0
72.5°	955.1	950.2	955.1	979.4	998.7	1027.8	1081.2	1119.9	1183.0	1212.0	843.6
75°	770.9	761.1	770.9	790.3	785.4	824.2	867.8	906.6	964.7	984.1	625.4
77.5°	591.4	591.4	591.4	610.9	610.9	649.7	669.1	717.5	751.5	780.5	460.6
80°	441.2	436.3	441.2	446.0	446.0	465.5	499.4	533.3	562.4	562.4	315.2
82.5°	310.3	300.5	310.3	310.3	310.3	320.0	339.4	349.1	368.4	383.1	198.7
85°	194.0	194.0	194.0	198.7	194.0	203.6	208.5	218.1	218.1	208.5	121.2
87.5°	126.1	121.2	126.1	121.2	121.2	116.3	116.3	116.3	111.5	106.7	67.9
90°	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8	52.4	33.3
92.5°	181.4	145.4	181.4	217.5	226.4	321.0	447.0	510.1	447.8	323.4	230.0
95°	632.2	523.1	632.2	741.3	768.6	1009.3	1330.3	1490.8	1259.1	795.6	448.1
97.5°	1514.9	1307.3	1514.9	1722.5	1774.4	1926.5	2129.4	2230.8	1844.4	1071.7	492.2
100°	2182.7	1935.3	2182.7	2430.0	2491.8	2480.7	2465.9	2458.5	2029.7	1172.2	529.1
102.5°	2839.5	2627.7	2839.5	3051.3	3104.3	2910.5	2652.0	2522.8	2088.0	1218.3	566.0
105°	3676.9	3563.1	3676.9	3790.9	3819.3	3384.8	2805.4	2515.7	2094.6	1252.5	620.8
107.5°	4225.6	4253.1	4225.6	4198.0	4191.1	3585.0	2776.8	2372.6	2001.3	1258.8	701.9
110°	4434.7	4553.4	4434.7	4316.1	4286.4	3608.8	2705.2	2253.4	1918.7	1249.2	747.2





TEST NUMBER: P935401

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4453.5	4635.7	4453.5	4271.2	4225.7	3532.2	2607.4	2145.0	1846.6	1249.7	802.0
115°	4335.3	4587.9	4335.3	4082.6	4019.5	3351.4	2460.6	2015.1	1763.8	1261.2	884.2
117.5°	4084.9	4365.1	4084.9	3804.7	3734.7	3131.7	2327.7	1925.8	1712.0	1284.7	964.1
120°	3883.1	4155.4	3883.1	3611.0	3542.9	2991.9	2257.3	1890.0	1694.6	1303.8	1010.6
122.5°	3686.6	3955.1	3686.6	3418.1	3351.0	2854.9	2193.3	1862.6	1685.5	1331.2	1065.4
125°	3406.3	3653.6	3406.3	3158.9	3097.2	2675.7	2113.8	1832.8	1677.9	1368.0	1135.7
127.5°	3154.3	3362.9	3154.3	2945.5	2893.4	2531.5	2049.0	1807.8	1673.5	1405.0	1203.6
130°	3005.7	3198.5	3005.7	2813.0	2764.7	2442.6	2013.0	1798.3	1676.2	1432.0	1248.9
132.5°	2870.9	3043.6	2870.9	2698.3	2655.1	2366.7	1982.1	1789.9	1677.8	1453.8	1285.8
135°	2686.1	2835.0	2686.1	2537.3	2500.1	2258.6	1936.6	1775.6	1676.3	1477.7	1328.7
137.5°	2538.0	2659.9	2538.0	2416.2	2385.8	2181.6	1909.3	1773.2	1686.6	1513.4	1383.5
140°	2436.4	2550.2	2436.4	2322.5	2294.0	2117.6	1882.4	1764.8	1688.3	1535.3	1420.5
142.5°	2352.1	2450.1	2352.1	2254.1	2229.6	2074.7	1868.2	1764.8	1694.4	1553.5	1447.9
145°	2225.8	2299.9	2225.8	2151.6	2133.1	2006.4	1837.4	1753.0	1694.5	1577.4	1489.6
147.5°	2128.9	2190.3	2128.9	2067.5	2052.1	1952.4	1819.5	1753.0	1706.1	1612.3	1542.0
150°	2067.9	2117.6	2067.9	2018.0	2005.6	1921.4	1809.2	1753.0	1712.2	1630.7	1569.4
152.5°	2015.6	2053.2	2015.6	1978.0	1968.6	1896.7	1800.9	1753.0	1716.1	1642.5	1587.3
155°	1955.6	1980.6	1955.6	1930.7	1924.5	1867.3	1791.1	1753.0	1724.9	1668.8	1626.7
157.5°	1908.3	1925.8	1908.3	1890.8	1886.4	1841.9	1782.6	1753.0	1733.7	1695.0	1666.0
160°	1879.9	1890.0	1879.9	1869.8	1867.3	1829.2	1778.4	1753.0	1737.6	1706.9	1683.9
162.5°	1861.4	1870.9	1861.4	1851.8	1849.5	1817.3	1774.4	1753.0	1741.8	1719.6	1702.9
165°	1834.7	1844.7	1834.7	1824.5	1822.0	1799.0	1768.4	1753.0	1747.9	1737.8	1730.3
167.5°	1815.5	1819.7	1815.5	1811.3	1810.2	1795.1	1775.0	1764.8	1760.6	1752.1	1745.8
170°	1810.2	1810.2	1810.2	1810.2	1810.2	1795.1	1775.0	1764.8	1764.6	1764.1	1763.7
172.5°	1796.0	1792.2	1796.0	1799.7	1800.7	1788.7	1772.8	1764.8	1764.8	1764.8	1764.8
175°	1787.5	1787.5	1787.5	1787.5	1787.5	1779.9	1769.9	1764.8	1767.2	1772.0	1775.6
177.5°	1779.8	1775.6	1779.8	1784.0	1785.1	1779.2	1771.2	1767.2	1769.1	1772.9	1775.6
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5197.2	5168.2	5168.2	5119.7	5100.3	5085.8	5061.5	4988.7	4969.3	4950.0	4979.1
5°	5240.8	5187.6	5148.7	5061.5	4988.7	4959.7	4867.5	4693.0	4576.6	4489.4	4440.9
7.5°	5250.6	5182.7	5109.9	4974.2	4799.6	4722.1	4440.9	4120.9	4033.6	3956.1	3907.6
10°	5240.8	5163.3	5061.5	4857.9	4445.7	4310.0	4028.9	3820.4	3767.0	3752.5	3767.0
12.5°	5206.9	5134.2	4993.6	4654.2	4077.3	3985.2	3820.4	3699.1	3689.5	3713.7	3844.5
15°	5148.7	5080.9	4916.1	4382.7	3873.7	3805.8	3689.5	3645.8	3699.1	3868.8	4261.5
17.5°	5090.5	5013.0	4809.4	4116.0	3718.6	3670.1	3587.6	3674.9	3975.5	4203.3	4334.3
20°	5013.0	4920.8	4688.2	3922.2	3607.0	3563.4	3524.6	3917.3	4145.2	4227.6	4300.3
22.5°	4920.8	4823.9	4523.4	3786.4	3490.7	3456.7	3481.0	4053.0	4145.2	4203.3	4266.4
25°	4799.6	4717.2	4329.4	3679.7	3398.6	3359.8	3451.8	4038.5	4091.8	4106.4	4232.5
27.5°	4688.2	4581.5	4125.8	3582.8	3287.0	3272.5	3476.1	3975.5	4014.2	4028.9	4164.6
30°	4552.4	4392.4	3897.9	3481.0	3170.7	3165.8	3481.0	3897.9	3888.2	3927.0	4062.8
32.5°	4411.8	4111.3	3640.9	3354.9	3059.2	3054.4	3447.1	3781.5	3771.9	3825.2	3927.0
35°	4280.9	3893.1	3291.9	3209.5	2918.6	2923.4	3364.7	3645.8	3650.7	3699.1	3762.1
37.5°	4145.2	3704.0	2908.9	3049.5	2782.9	2782.9	3253.1	3519.7	3510.1	3524.6	3611.9
40°	3985.2	3408.2	2569.5	2841.0	2656.8	2642.2	3117.4	3384.0	3350.0	3345.3	3466.5
42.5°	3815.5	3083.4	2317.4	2564.7	2511.4	2492.0	2952.5	3219.2	3156.2	3170.7	3325.8
45°	3631.3	2996.1	2123.4	2167.1	2361.0	2346.5	2773.1	3030.1	2986.5	3025.2	3185.2
47.5°	3447.1	2821.6	2060.5	1798.6	2201.1	2196.2	2574.4	2845.9	2821.6	2860.4	3030.1
50°	3195.0	2627.7	2055.6	1541.8	2021.6	2041.0	2336.8	2666.5	2666.5	2700.5	2879.8
52.5°	2870.1	2390.2	1866.5	1396.3	1813.2	1871.4	2128.3	2511.4	2521.0	2555.0	2715.0
55°	2574.4	2142.9	1730.7	1284.8	1565.9	1692.0	1924.7	2351.3	2370.8	2404.7	2550.1
57.5°	2302.9	1784.1	1701.7	1153.8	1338.1	1459.3	1745.4	2196.2	2206.0	2235.0	2375.6
60°	2012.0	1289.6	1561.1	1013.3	1139.3	1231.5	1580.5	2012.0	2045.9	2065.3	2186.5
62.5°	1682.3	935.7	1415.7	916.3	1042.4	1061.8	1444.7	1837.4	1881.1	1895.6	1968.4
65°	1197.5	785.4	1202.3	833.9	940.6	945.4	1299.3	1658.1	1696.8	1721.1	1774.4
67.5°	809.6	639.9	916.3	756.3	862.9	867.8	1158.7	1449.6	1502.9	1522.4	1556.3
70°	562.4	426.6	678.7	673.8	775.7	785.4	1008.4	1260.5	1309.0	1323.5	1342.9
72.5°	412.1	344.2	562.4	606.0	683.6	693.3	853.3	1047.2	1095.7	1110.2	1119.9
75°	315.2	363.6	455.7	528.4	581.8	586.7	698.1	853.3	887.2	896.9	901.7
77.5°	252.1	339.4	334.5	426.6	475.1	465.5	547.9	659.3	688.5	688.5	688.5
80°	189.1	266.6	252.1	305.4	349.1	339.4	392.7	470.2	480.0	489.6	484.9
82.5°	140.6	169.7	169.7	194.0	232.7	223.0	261.8	305.4	305.4	305.4	315.2
85°	87.3	96.9	77.5	101.8	130.9	126.1	145.4	164.8	169.7	169.7	160.0
87.5°	53.3	43.6	24.3	38.8	58.2	58.2	67.9	72.7	67.9	67.9	67.9
90°	30.9	21.5	11.9	21.5	30.9	33.3	52.4	77.8	90.5	80.5	60.4
92.5°	209.7	128.6	47.7	128.6	209.7	230.0	323.4	447.8	510.1	447.0	321.0
95°	411.0	262.7	114.4	262.7	411.0	448.1	795.6	1259.1	1490.8	1330.3	1009.3
97.5°	459.5	328.6	197.8	328.6	459.5	492.2	1071.7	1844.4	2230.8	2129.4	1926.5
100°	499.4	380.8	262.1	380.8	499.4	529.1	1172.2	2029.7	2458.5	2465.9	2480.7
102.5°	538.3	427.6	317.0	427.6	538.3	566.0	1218.3	2088.0	2522.8	2652.0	2910.5
105°	597.4	503.7	410.0	503.7	597.4	620.8	1252.5	2094.6	2515.7	2805.4	3384.8
107.5°	680.1	592.7	505.3	592.7	680.1	701.9	1258.8	2001.3	2372.6	2776.8	3585.0
110°	727.4	648.5	569.7	648.5	727.4	747.2	1249.2	1918.7	2253.4	2705.2	3608.8



TEST NUMBER: P935401

CATALOG NUMBER: SQ4-FA-100U-125D-B40-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	783.2	708.0	632.8	708.0	783.2	802.0	1249.7	1846.6	2145.0	2607.4	3532.2
115°	866.9	797.5	728.1	797.5	866.9	884.2	1261.2	1763.8	2015.1	2460.6	3351.4
117.5°	948.3	885.3	822.3	885.3	948.3	964.1	1284.7	1712.0	1925.8	2327.7	3131.7
120°	995.8	936.4	877.1	936.4	995.8	1010.6	1303.8	1694.6	1890.0	2257.3	2991.9
122.5°	1050.4	990.6	930.7	990.6	1050.4	1065.4	1331.2	1685.5	1862.6	2193.3	2854.9
125°	1122.0	1067.5	1013.0	1067.5	1122.0	1135.7	1368.0	1677.9	1832.8	2113.8	2675.7
127.5°	1189.8	1134.7	1079.6	1134.7	1189.8	1203.6	1405.0	1673.5	1807.8	2049.0	2531.5
130°	1234.1	1174.7	1115.4	1174.7	1234.1	1248.9	1432.0	1676.2	1798.3	2013.0	2442.6
132.5°	1271.0	1211.7	1152.4	1211.7	1271.0	1285.8	1453.8	1677.8	1789.9	1982.1	2366.7
135°	1315.2	1261.2	1207.2	1261.2	1315.2	1328.7	1477.7	1676.3	1775.6	1936.6	2258.6
137.5°	1370.1	1316.7	1263.2	1316.7	1370.1	1383.5	1513.4	1686.6	1773.2	1909.3	2181.6
140°	1408.1	1359.0	1309.7	1359.0	1408.1	1420.5	1535.3	1688.3	1764.8	1882.4	2117.6
142.5°	1436.5	1391.0	1345.4	1391.0	1436.5	1447.9	1553.5	1694.4	1764.8	1868.2	2074.7
145°	1479.7	1439.9	1400.2	1439.9	1479.7	1489.6	1577.4	1694.5	1753.0	1837.4	2006.4
147.5°	1532.4	1493.7	1455.0	1493.7	1532.4	1542.0	1612.3	1706.1	1753.0	1819.5	1952.4
150°	1560.7	1525.7	1490.8	1525.7	1560.7	1569.4	1630.7	1712.2	1753.0	1809.2	1921.4
152.5°	1580.7	1554.2	1527.7	1554.2	1580.7	1587.3	1642.5	1716.1	1753.0	1800.9	1896.7
155°	1621.8	1602.1	1582.5	1602.1	1621.8	1626.7	1668.8	1724.9	1753.0	1791.1	1867.3
157.5°	1661.2	1642.1	1623.0	1642.1	1661.2	1666.0	1695.0	1733.7	1753.0	1782.6	1841.9
160°	1680.1	1665.3	1650.4	1665.3	1680.1	1683.9	1706.9	1737.6	1753.0	1778.4	1829.2
162.5°	1700.1	1688.9	1677.8	1688.9	1700.1	1702.9	1719.6	1741.8	1753.0	1774.4	1817.3
165°	1727.8	1717.7	1707.6	1717.7	1727.8	1730.3	1737.8	1747.9	1753.0	1768.4	1799.0
167.5°	1744.6	1739.8	1735.0	1739.8	1744.6	1745.8	1752.1	1760.6	1764.8	1775.0	1795.1
170°	1762.5	1757.8	1753.0	1757.8	1762.5	1763.7	1764.1	1764.6	1764.8	1775.0	1795.1
172.5°	1764.6	1763.5	1762.5	1763.5	1764.6	1764.8	1764.8	1764.8	1764.8	1772.8	1788.7
175°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1772.0	1767.2	1764.8	1769.9	1779.9
177.5°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1772.9	1769.1	1767.2	1771.2	1779.2
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



TEST NUMBER: P935401  
 CATALOG NUMBER: SQ4-FA-100U-125D-B40-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	4945.1	4930.6	4950.0	4896.7	4950.0	4930.6	4945.1	4979.1	4950.0	4969.3	4988.7
5°	4339.1	4314.9	4237.2	4174.3	4237.2	4314.9	4339.1	4440.9	4489.4	4576.6	4693.0
7.5°	3878.5	3859.2	3839.8	3801.0	3839.8	3859.2	3878.5	3907.6	3956.1	4033.6	4120.9
10°	3776.7	3781.5	3810.6	3805.8	3810.6	3781.5	3776.7	3767.0	3752.5	3767.0	3820.4
12.5°	4038.5	4082.1	4242.1	4232.5	4242.1	4082.1	4038.5	3844.5	3713.7	3689.5	3699.1
15°	4339.1	4353.7	4387.6	4392.4	4387.6	4353.7	4339.1	4261.5	3868.8	3699.1	3645.8
17.5°	4368.2	4373.0	4397.3	4397.3	4397.3	4373.0	4368.2	4334.3	4203.3	3975.5	3674.9
20°	4343.9	4353.7	4402.2	4411.8	4402.2	4353.7	4343.9	4300.3	4227.6	4145.2	3917.3
22.5°	4334.3	4353.7	4392.4	4387.6	4392.4	4353.7	4334.3	4266.4	4203.3	4145.2	4053.0
25°	4285.8	4285.8	4290.6	4295.5	4290.6	4285.8	4285.8	4232.5	4106.4	4091.8	4038.5
27.5°	4184.0	4193.7	4222.7	4217.9	4222.7	4193.7	4184.0	4164.6	4028.9	4014.2	3975.5
30°	4091.8	4082.1	4057.9	4038.5	4057.9	4082.1	4091.8	4062.8	3927.0	3888.2	3897.9
32.5°	3936.7	3912.4	3888.2	3873.7	3888.2	3912.4	3936.7	3927.0	3825.2	3771.9	3781.5
35°	3752.5	3757.4	3752.5	3738.0	3752.5	3757.4	3752.5	3762.1	3699.1	3650.7	3645.8
37.5°	3621.6	3631.3	3626.4	3607.0	3626.4	3631.3	3621.6	3611.9	3524.6	3510.1	3519.7
40°	3485.8	3490.7	3485.8	3471.2	3485.8	3490.7	3485.8	3466.5	3345.3	3350.0	3384.0
42.5°	3354.9	3350.0	3335.5	3325.8	3335.5	3350.0	3354.9	3325.8	3170.7	3156.2	3219.2
45°	3204.6	3209.5	3180.3	3165.8	3180.3	3209.5	3204.6	3185.2	3025.2	2986.5	3030.1
47.5°	3054.4	3054.4	3030.1	3015.5	3030.1	3054.4	3054.4	3030.1	2860.4	2821.6	2845.9
50°	2894.3	2889.5	2855.5	2850.7	2855.5	2889.5	2894.3	2879.8	2700.5	2666.5	2666.5
52.5°	2710.1	2710.1	2715.0	2724.6	2715.0	2710.1	2710.1	2715.0	2555.0	2521.0	2511.4
55°	2550.1	2555.0	2588.9	2598.7	2588.9	2555.0	2550.1	2550.1	2404.7	2370.8	2351.3
57.5°	2385.3	2385.3	2409.6	2409.6	2409.6	2385.3	2385.3	2375.6	2235.0	2206.0	2196.2
60°	2196.2	2206.0	2225.3	2220.5	2225.3	2206.0	2196.2	2186.5	2065.3	2045.9	2012.0
62.5°	1997.5	2007.1	2012.0	2002.3	2012.0	2007.1	1997.5	1968.4	1895.6	1881.1	1837.4
65°	1789.0	1798.6	1803.5	1793.8	1803.5	1798.6	1789.0	1774.4	1721.1	1696.8	1658.1
67.5°	1575.7	1570.8	1565.9	1585.3	1565.9	1570.8	1575.7	1556.3	1522.4	1502.9	1449.6
70°	1357.4	1357.4	1352.7	1362.3	1352.7	1357.4	1357.4	1342.9	1323.5	1309.0	1260.5
72.5°	1124.8	1119.9	1139.3	1124.8	1139.3	1119.9	1124.8	1119.9	1110.2	1095.7	1047.2
75°	896.9	906.6	896.9	911.5	896.9	906.6	896.9	901.7	896.9	887.2	853.3
77.5°	683.6	693.3	683.6	683.6	683.6	693.3	683.6	688.5	688.5	688.5	659.3
80°	484.9	480.0	480.0	475.1	480.0	480.0	484.9	484.9	489.6	480.0	470.2
82.5°	310.3	305.4	305.4	315.2	305.4	305.4	310.3	315.2	305.4	305.4	305.4
85°	169.7	174.6	164.8	164.8	164.8	174.6	169.7	160.0	169.7	169.7	164.8
87.5°	63.0	58.2	58.2	58.2	58.2	58.2	63.0	67.9	67.9	67.9	72.7
90°	45.3	45.3	45.3	45.3	45.3	45.3	45.3	60.4	80.5	90.5	77.8
92.5°	226.4	217.5	181.4	145.4	181.4	217.5	226.4	321.0	447.0	510.1	447.8
95°	768.6	741.3	632.2	523.1	632.2	741.3	768.6	1009.3	1330.3	1490.8	1259.1
97.5°	1774.4	1722.5	1514.9	1307.3	1514.9	1722.5	1774.4	1926.5	2129.4	2230.8	1844.4
100°	2491.8	2430.0	2182.7	1935.3	2182.7	2430.0	2491.8	2480.7	2465.9	2458.5	2029.7
102.5°	3104.3	3051.3	2839.5	2627.7	2839.5	3051.3	3104.3	2910.5	2652.0	2522.8	2088.0
105°	3819.3	3790.9	3676.9	3563.1	3676.9	3790.9	3819.3	3384.8	2805.4	2515.7	2094.6
107.5°	4191.1	4198.0	4225.6	4253.1	4225.6	4198.0	4191.1	3585.0	2776.8	2372.6	2001.3
110°	4286.4	4316.1	4434.7	4553.4	4434.7	4316.1	4286.4	3608.8	2705.2	2253.4	1918.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4225.7	4271.2	4453.5	4635.7	4453.5	4271.2	4225.7	3532.2	2607.4	2145.0	1846.6
115°	4019.5	4082.6	4335.3	4587.9	4335.3	4082.6	4019.5	3351.4	2460.6	2015.1	1763.8
117.5°	3734.7	3804.7	4084.9	4365.1	4084.9	3804.7	3734.7	3131.7	2327.7	1925.8	1712.0
120°	3542.9	3611.0	3883.1	4155.4	3883.1	3611.0	3542.9	2991.9	2257.3	1890.0	1694.6
122.5°	3351.0	3418.1	3686.6	3955.1	3686.6	3418.1	3351.0	2854.9	2193.3	1862.6	1685.5
125°	3097.2	3158.9	3406.3	3653.6	3406.3	3158.9	3097.2	2675.7	2113.8	1832.8	1677.9
127.5°	2893.4	2945.5	3154.3	3362.9	3154.3	2945.5	2893.4	2531.5	2049.0	1807.8	1673.5
130°	2764.7	2813.0	3005.7	3198.5	3005.7	2813.0	2764.7	2442.6	2013.0	1798.3	1676.2
132.5°	2655.1	2698.3	2870.9	3043.6	2870.9	2698.3	2655.1	2366.7	1982.1	1789.9	1677.8
135°	2500.1	2537.3	2686.1	2835.0	2686.1	2537.3	2500.1	2258.6	1936.6	1775.6	1676.3
137.5°	2385.8	2416.2	2538.0	2659.9	2538.0	2416.2	2385.8	2181.6	1909.3	1773.2	1686.6
140°	2294.0	2322.5	2436.4	2550.2	2436.4	2322.5	2294.0	2117.6	1882.4	1764.8	1688.3
142.5°	2229.6	2254.1	2352.1	2450.1	2352.1	2254.1	2229.6	2074.7	1868.2	1764.8	1694.4
145°	2133.1	2151.6	2225.8	2299.9	2225.8	2151.6	2133.1	2006.4	1837.4	1753.0	1694.5
147.5°	2052.1	2067.5	2128.9	2190.3	2128.9	2067.5	2052.1	1952.4	1819.5	1753.0	1706.1
150°	2005.6	2018.0	2067.9	2117.6	2067.9	2018.0	2005.6	1921.4	1809.2	1753.0	1712.2
152.5°	1968.6	1978.0	2015.6	2053.2	2015.6	1978.0	1968.6	1896.7	1800.9	1753.0	1716.1
155°	1924.5	1930.7	1955.6	1980.6	1955.6	1930.7	1924.5	1867.3	1791.1	1753.0	1724.9
157.5°	1886.4	1890.8	1908.3	1925.8	1908.3	1890.8	1886.4	1841.9	1782.6	1753.0	1733.7
160°	1867.3	1869.8	1879.9	1890.0	1879.9	1869.8	1867.3	1829.2	1778.4	1753.0	1737.6
162.5°	1849.5	1851.8	1861.4	1870.9	1861.4	1851.8	1849.5	1817.3	1774.4	1753.0	1741.8
165°	1822.0	1824.5	1834.7	1844.7	1834.7	1824.5	1822.0	1799.0	1768.4	1753.0	1747.9
167.5°	1810.2	1811.3	1815.5	1819.7	1815.5	1811.3	1810.2	1795.1	1775.0	1764.8	1760.6
170°	1810.2	1810.2	1810.2	1810.2	1810.2	1810.2	1810.2	1795.1	1775.0	1764.8	1764.6
172.5°	1800.7	1799.7	1796.0	1792.2	1796.0	1799.7	1800.7	1788.7	1772.8	1764.8	1764.8
175°	1787.5	1787.5	1787.5	1787.5	1787.5	1787.5	1787.5	1779.9	1769.9	1764.8	1767.2
177.5°	1785.1	1784.0	1779.8	1775.6	1779.8	1784.0	1785.1	1779.2	1771.2	1767.2	1769.1
180°	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6	1775.6



TEST NUMBER: P935401

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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5061.5	5085.8	5100.3	5119.7	5168.2
5°	4867.5	4959.7	4988.7	5061.5	5148.7
7.5°	4440.9	4722.1	4799.6	4974.2	5109.9
10°	4028.9	4310.0	4445.7	4857.9	5061.5
12.5°	3820.4	3985.2	4077.3	4654.2	4993.6
15°	3689.5	3805.8	3873.7	4382.7	4916.1
17.5°	3587.6	3670.1	3718.6	4116.0	4809.4
20°	3524.6	3563.4	3607.0	3922.2	4688.2
22.5°	3481.0	3456.7	3490.7	3786.4	4523.4
25°	3451.8	3359.8	3398.6	3679.7	4329.4
27.5°	3476.1	3272.5	3287.0	3582.8	4125.8
30°	3481.0	3165.8	3170.7	3481.0	3897.9
32.5°	3447.1	3054.4	3059.2	3354.9	3640.9
35°	3364.7	2923.4	2918.6	3209.5	3291.9
37.5°	3253.1	2782.9	2782.9	3049.5	2908.9
40°	3117.4	2642.2	2656.8	2841.0	2569.5
42.5°	2952.5	2492.0	2511.4	2564.7	2317.4
45°	2773.1	2346.5	2361.0	2167.1	2123.4
47.5°	2574.4	2196.2	2201.1	1798.6	2060.5
50°	2336.8	2041.0	2021.6	1541.8	2055.6
52.5°	2128.3	1871.4	1813.2	1396.3	1866.5
55°	1924.7	1692.0	1565.9	1284.8	1730.7
57.5°	1745.4	1459.3	1338.1	1153.8	1701.7
60°	1580.5	1231.5	1139.3	1013.3	1561.1
62.5°	1444.7	1061.8	1042.4	916.3	1415.7
65°	1299.3	945.4	940.6	833.9	1202.3
67.5°	1158.7	867.8	862.9	756.3	916.3
70°	1008.4	785.4	775.7	673.8	678.7
72.5°	853.3	693.3	683.6	606.0	562.4
75°	698.1	586.7	581.8	528.4	455.7
77.5°	547.9	465.5	475.1	426.6	334.5
80°	392.7	339.4	349.1	305.4	252.1
82.5°	261.8	223.0	232.7	194.0	169.7
85°	145.4	126.1	130.9	101.8	77.5
87.5°	67.9	58.2	58.2	38.8	24.3
90°	52.4	33.3	30.9	21.5	11.9
92.5°	323.4	230.0	209.7	128.6	47.7
95°	795.6	448.1	411.0	262.7	114.4
97.5°	1071.7	492.2	459.5	328.6	197.8
100°	1172.2	529.1	499.4	380.8	262.1
102.5°	1218.3	566.0	538.3	427.6	317.0
105°	1252.5	620.8	597.4	503.7	410.0
107.5°	1258.8	701.9	680.1	592.7	505.3
110°	1249.2	747.2	727.4	648.5	569.7



TEST NUMBER: P935401

CATALOG NUMBER: SQ4-FA-100U-125D-B40-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1249.7	802.0	783.2	708.0	632.8
115°	1261.2	884.2	866.9	797.5	728.1
117.5°	1284.7	964.1	948.3	885.3	822.3
120°	1303.8	1010.6	995.8	936.4	877.1
122.5°	1331.2	1065.4	1050.4	990.6	930.7
125°	1368.0	1135.7	1122.0	1067.5	1013.0
127.5°	1405.0	1203.6	1189.8	1134.7	1079.6
130°	1432.0	1248.9	1234.1	1174.7	1115.4
132.5°	1453.8	1285.8	1271.0	1211.7	1152.4
135°	1477.7	1328.7	1315.2	1261.2	1207.2
137.5°	1513.4	1383.5	1370.1	1316.7	1263.2
140°	1535.3	1420.5	1408.1	1359.0	1309.7
142.5°	1553.5	1447.9	1436.5	1391.0	1345.4
145°	1577.4	1489.6	1479.7	1439.9	1400.2
147.5°	1612.3	1542.0	1532.4	1493.7	1455.0
150°	1630.7	1569.4	1560.7	1525.7	1490.8
152.5°	1642.5	1587.3	1580.7	1554.2	1527.7
155°	1668.8	1626.7	1621.8	1602.1	1582.5
157.5°	1695.0	1666.0	1661.2	1642.1	1623.0
160°	1706.9	1683.9	1680.1	1665.3	1650.4
162.5°	1719.6	1702.9	1700.1	1688.9	1677.8
165°	1737.8	1730.3	1727.8	1717.7	1707.6
167.5°	1752.1	1745.8	1744.6	1739.8	1735.0
170°	1764.1	1763.7	1762.5	1757.8	1753.0
172.5°	1764.8	1764.8	1764.6	1763.5	1762.5
175°	1772.0	1775.6	1775.6	1775.6	1775.6
177.5°	1772.9	1775.6	1775.6	1775.6	1775.6
180°	1775.6	1775.6	1775.6	1775.6	1775.6



TEST NUMBER: P935401  
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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	15.63	15.66	16.58	17.80	17.59	18.48	18.52	19.43	20.65
	3H	15.22	16.02	16.16	16.97	18.22	18.94	19.75	19.88	20.70	21.94
	4H	15.41	16.17	16.36	17.13	18.38	19.39	20.15	20.35	21.11	22.36
	6H	15.53	16.23	16.49	17.19	18.46	19.69	20.39	20.65	21.35	22.61
	8H	15.53	16.20	16.50	17.18	18.44	19.77	20.43	20.74	21.41	22.67
	12H	15.51	16.14	16.48	17.11	18.40	19.81	20.44	20.78	21.42	22.70
4H	2H	15.78	16.54	16.74	17.50	18.75	18.00	18.76	18.96	19.72	20.97
	3H	16.81	17.44	17.78	18.43	19.70	19.52	20.15	20.49	21.14	22.40
	4H	17.09	17.67	18.07	18.65	19.94	20.05	20.63	21.03	21.61	22.90
	6H	17.21	17.71	18.20	18.72	20.01	20.42	20.92	21.41	21.93	23.21
	8H	17.22	17.69	18.21	18.68	19.99	20.53	21.00	21.53	22.00	23.30
	12H	17.19	17.61	18.20	18.62	19.93	20.60	21.02	21.61	22.03	23.34
8H	4H	17.55	18.01	18.54	19.01	20.31	20.18	20.64	21.17	21.64	22.94
	6H	17.81	18.19	18.83	19.23	20.54	20.62	21.01	21.64	22.05	23.35
	8H	17.85	18.19	18.88	19.22	20.54	20.78	21.12	21.80	22.14	23.46
	12H	17.84	18.14	18.87	19.16	20.52	20.88	21.18	21.91	22.20	23.56
12H	4H	17.56	17.98	18.57	18.99	20.30	20.14	20.56	21.15	21.58	22.89
	6H	17.87	18.21	18.90	19.24	20.56	20.62	20.96	21.64	21.98	23.30
	8H	17.94	18.24	18.97	19.26	20.62	20.79	21.08	21.81	22.10	23.47