

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: P935381

Luminaire Tested: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

**Test Information**

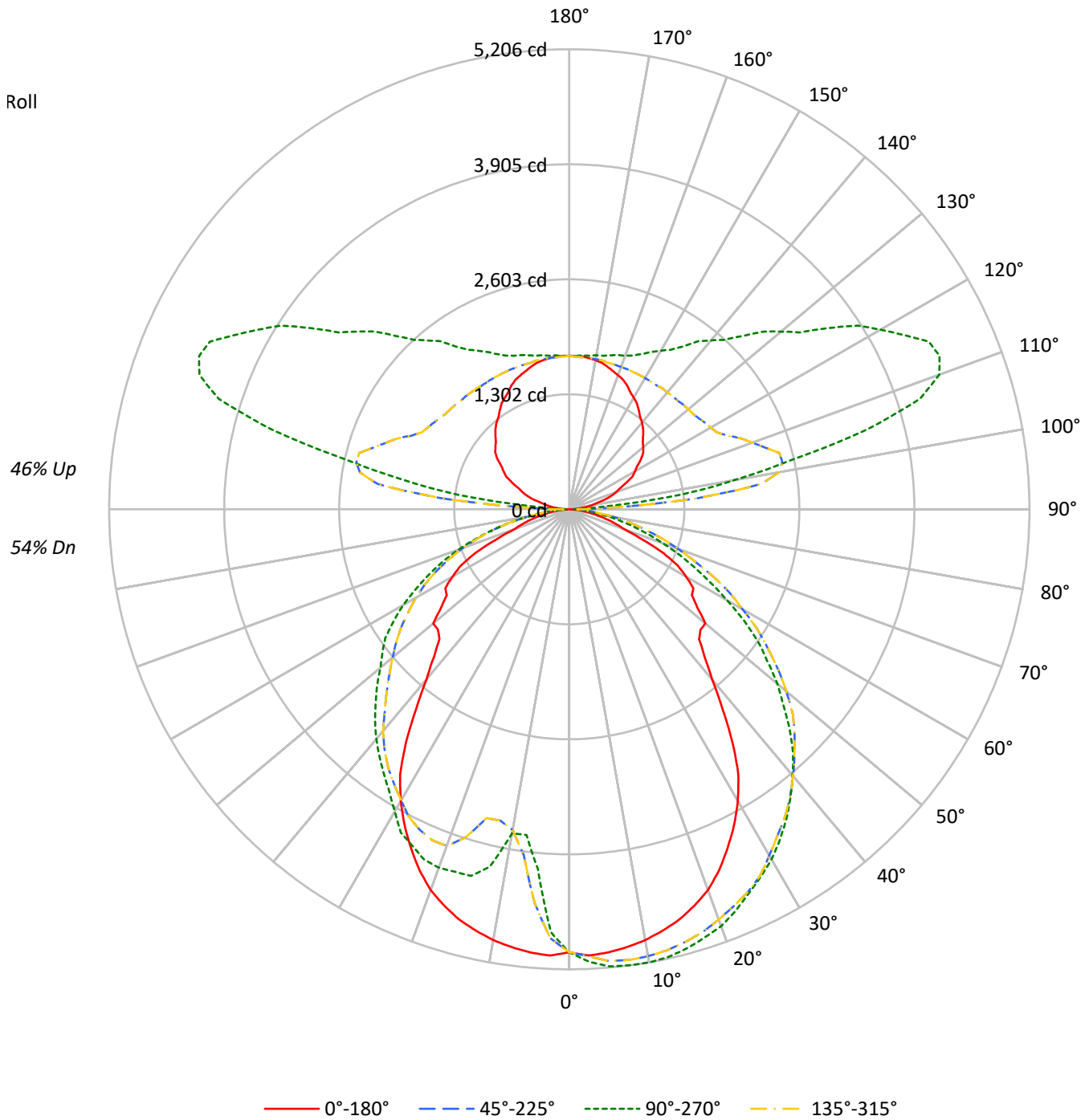
Test Method: LM-79-2019  
Report Number: P935381  
REPORT IS A COMBINATION OF REPORTS P933749 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-12-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24258.8 lumens  
Efficiency: N/A  
Efficacy: 117.5 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-B2750-1D-UNV-STD-W-12-5000K

### 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°	15502	15502	15502	15502
5°	15623	15649	15623	12305
10°	15525	15414	15525	11020
15°	15362	15081	15362	12592
20°	15047	14685	15047	12619
25°	14395	14108	14395	12351
30°	13550	13629	13550	11765
35°	12086	13023	12086	11119
40°	10076	12309	10076	10632
45°	9009	11474	9009	10071
50°	9579	10479	9579	9508
55°	9021	9406	9021	9183
60°	9311	7988	9311	8411
65°	8455	6604	8455	7381
70°	5869	5262	5869	6188
75°	5166	3890	5166	4658
80°	4194	2572	4194	2801
85°	2456	1362	2456	1158

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13799 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.4	1.9
10°-20°	1284.5	5.3
20°-30°	1985.6	8.2
30°-40°	2370.4	9.8
40°-50°	2384.3	9.8
50°-60°	2074.6	8.6
60°-70°	1470.9	6.1
70°-80°	778.2	3.2
80°-90°	200.4	0.8
90°-100°	846.5	3.5
100°-110°	2225.5	9.2
110°-120°	2307.6	9.5
120°-130°	1851.0	7.6
130°-140°	1452.3	6.0
140°-150°	1114.7	4.6
150°-160°	802.8	3.3
160°-170°	491.2	2.0
170°-180°	165.9	0.7
0°-30°	3722.5	15.3
0°-40°	6092.9	25.1
0°-60°	10551.8	43.5
0°-90°	13001.4	53.6
90°-120°	5379.5	22.2
90°-150°	9797.5	40.4
90°-180°	11257.0	46.4
0°-180°	24258.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5012	5012	5012	5012	5012	
5°	5036	5192	5036	4082	5036	478
15°	4808	5145	4808	4296	4808	1353
25°	4234	4798	4234	4201	4234	1944
35°	3220	4282	3220	3656	3220	1992
45°	2077	3528	2077	3096	2077	1664
55°	1693	2603	1693	2542	1693	1555
65°	1176	1570	1176	1754	1176	1124
75°	446	744	446	891	446	469
85°	76	190	76	161	76	102
90°	12	44	12	44	12	13
95°	112	512	112	512	112	124
105°	401	3485	401	3485	401	425
115°	712	4487	712	4487	712	703
125°	991	3573	991	3573	991	880
135°	1181	2773	1181	2773	1181	913
145°	1369	2249	1369	2249	1369	858
155°	1548	1937	1548	1937	1548	711
165°	1670	1804	1670	1804	1670	471
175°	1737	1748	1737	1748	1737	165
180°	1737	1737	1737	1737	1737	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5054.5	5054.5	5082.9	5092.4	5092.4	5078.2	5064.0	5078.2	5120.8	5135.1	5130.4
5°	5035.5	5073.5	5125.6	5135.1	5144.6	5139.8	5130.4	5139.8	5187.2	5196.8	5201.4
7.5°	4997.6	5068.7	5135.1	5149.3	5163.5	5149.3	5144.6	5154.1	5201.4	5211.0	5211.0
10°	4950.2	5049.8	5125.6	5135.1	5149.3	5135.1	5135.1	5154.1	5201.4	5211.0	5215.7
12.5°	4883.8	5021.3	5092.4	5101.9	5120.8	5116.1	5111.4	5130.4	5177.7	5187.2	5187.2
15°	4808.0	4969.2	5035.5	5045.0	5078.2	5068.7	5068.7	5087.7	5139.8	5154.1	5149.3
17.5°	4703.6	4902.8	4978.6	4992.9	5016.5	5011.8	5016.5	5035.5	5082.9	5092.4	5097.1
20°	4585.1	4812.6	4902.8	4916.9	4940.7	4940.7	4940.7	4964.4	5011.8	5030.8	5030.8
22.5°	4423.9	4717.8	4812.6	4822.1	4850.6	4850.6	4860.1	4893.2	4935.9	4940.7	4940.7
25°	4234.2	4613.5	4694.1	4722.6	4751.1	4765.3	4779.5	4798.4	4812.6	4808.0	4812.6
27.5°	4035.1	4480.8	4585.1	4604.1	4642.0	4656.2	4675.1	4679.9	4684.7	4698.9	4689.4
30°	3812.2	4295.8	4452.3	4471.2	4532.9	4542.4	4523.5	4532.9	4556.6	4566.1	4575.6
32.5°	3560.9	4020.9	4314.8	4357.5	4414.4	4386.0	4381.2	4395.4	4433.3	4433.3	4442.9
35°	3219.5	3807.5	4186.7	4224.7	4267.4	4234.2	4253.2	4257.9	4281.6	4295.8	4291.1
37.5°	2845.0	3622.5	4054.0	4082.5	4115.7	4073.0	4101.5	4115.7	4134.6	4125.1	4125.1
40°	2513.0	3333.3	3897.6	3916.5	3944.9	3911.8	3940.3	3949.7	3959.2	3949.7	3944.9
42.5°	2266.4	3015.6	3731.6	3755.3	3736.4	3760.0	3769.5	3788.5	3774.3	3755.3	3755.3
45°	2076.7	2930.2	3551.4	3579.8	3551.4	3589.4	3603.6	3603.6	3560.9	3551.4	3546.7
47.5°	2015.2	2759.6	3371.3	3371.3	3357.0	3404.4	3428.2	3394.9	3352.3	3338.0	3338.0
50°	2010.4	2569.9	3124.7	3105.7	3172.1	3229.0	3205.3	3172.1	3138.9	3086.8	3086.8
52.5°	1825.5	2337.6	2807.0	2878.1	2982.4	3015.6	2977.7	2944.5	2887.6	2863.9	2845.0
55°	1692.7	2095.8	2517.8	2660.0	2769.0	2811.7	2740.6	2707.4	2622.1	2607.8	2598.4
57.5°	1664.3	1744.9	2252.2	2432.4	2565.1	2560.5	2517.8	2456.1	2385.0	2370.8	2366.0
60°	1526.8	1261.3	1967.8	2181.1	2318.7	2304.4	2266.4	2209.6	2143.2	2133.7	2124.2
62.5°	1384.6	915.1	1645.3	1887.1	2081.5	2076.7	2043.6	1958.2	1910.9	1887.1	1868.2
65°	1175.9	768.1	1171.1	1569.5	1849.2	1858.7	1787.6	1725.9	1673.7	1645.3	1640.6
67.5°	896.2	625.9	791.8	1308.6	1626.4	1616.8	1526.8	1498.3	1431.9	1417.7	1389.2
70°	663.8	417.2	550.0	1062.1	1408.2	1384.6	1313.4	1280.2	1218.6	1185.3	1166.4
72.5°	550.0	336.6	403.0	825.0	1185.3	1156.9	1095.3	1057.4	1005.2	976.8	957.8
75°	445.7	355.6	308.2	611.7	962.5	943.5	886.6	848.7	806.0	768.1	772.9
77.5°	327.2	331.9	246.6	450.5	763.4	735.0	701.7	654.4	635.4	597.5	597.5
80°	246.6	260.8	184.9	308.2	550.0	550.0	521.5	488.4	455.2	436.2	436.2
82.5°	166.0	166.0	137.5	194.4	374.6	360.3	341.4	331.9	313.0	303.5	303.5
85°	75.8	94.8	85.4	118.5	203.9	213.3	213.3	203.9	199.1	189.7	194.4
87.5°	23.7	42.7	52.1	66.4	104.3	109.1	113.8	113.8	113.8	118.5	118.5
90°	11.7	21.0	30.3	32.6	51.3	76.1	88.5	78.7	59.0	44.3	44.3
92.5°	46.6	125.8	205.1	224.9	316.3	438.0	498.8	437.2	313.9	221.5	212.7
95°	111.9	256.9	402.0	438.2	778.1	1231.4	1458.0	1301.1	987.1	751.7	725.0
97.5°	193.4	321.4	449.3	481.4	1048.1	1803.8	2181.7	2082.5	1884.2	1735.4	1684.7
100°	256.4	372.4	488.4	517.4	1146.4	1985.0	2404.4	2411.7	2426.2	2437.0	2376.6
102.5°	310.0	418.2	526.5	553.6	1191.5	2042.1	2467.3	2593.7	2846.5	3036.1	2984.2
105°	401.0	492.6	584.3	607.2	1224.9	2048.5	2460.3	2743.7	3310.4	3735.3	3707.5
107.5°	494.2	579.6	665.1	686.5	1231.1	1957.3	2320.4	2715.7	3506.1	4099.0	4105.7
110°	557.1	634.3	711.4	730.8	1221.8	1876.5	2203.9	2645.7	3529.4	4192.2	4221.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	618.9	692.5	766.0	784.4	1222.2	1806.0	2097.9	2550.1	3454.5	4132.8	4177.3
115°	712.1	780.0	847.8	864.8	1233.4	1725.0	1970.8	2406.5	3277.7	3931.1	3992.8
117.5°	804.2	865.8	927.5	942.9	1256.4	1674.4	1883.4	2276.5	3062.9	3652.6	3721.1
120°	857.8	915.8	973.9	988.4	1275.1	1657.4	1848.5	2207.7	2926.1	3465.0	3531.5
122.5°	910.3	968.8	1027.3	1042.0	1301.9	1648.4	1821.7	2145.1	2792.1	3277.3	3343.0
125°	990.7	1044.0	1097.4	1110.7	1338.0	1641.0	1792.5	2067.3	2616.9	3029.1	3089.5
127.5°	1055.9	1109.8	1163.7	1177.1	1374.1	1636.7	1768.1	2004.0	2475.8	2829.7	2880.7
130°	1090.9	1148.9	1206.9	1221.4	1400.5	1639.4	1758.7	1968.8	2388.9	2703.9	2751.1
132.5°	1127.1	1185.1	1243.1	1257.5	1421.8	1640.9	1750.5	1938.5	2314.6	2596.7	2638.9
135°	1180.7	1233.4	1286.3	1299.5	1445.2	1639.5	1736.6	1894.1	2208.9	2445.1	2481.5
137.5°	1235.4	1287.7	1340.0	1353.1	1480.1	1649.5	1734.3	1867.3	2133.6	2333.3	2363.1
140°	1280.9	1329.1	1377.2	1389.2	1501.5	1651.2	1726.0	1841.0	2071.1	2243.6	2271.4
142.5°	1315.8	1360.4	1404.9	1416.0	1519.3	1657.1	1726.0	1827.1	2029.1	2180.6	2204.5
145°	1369.4	1408.3	1447.1	1456.9	1542.7	1657.2	1714.5	1797.0	1962.2	2086.2	2104.3
147.5°	1423.0	1460.9	1498.7	1508.1	1576.9	1668.6	1714.5	1779.5	1909.5	2007.0	2022.0
150°	1458.0	1492.2	1526.3	1534.9	1594.8	1674.6	1714.5	1769.4	1879.1	1961.5	1973.6
152.5°	1494.1	1520.0	1546.0	1552.4	1606.4	1678.4	1714.5	1761.3	1855.0	1925.3	1934.5
155°	1547.7	1566.9	1586.1	1590.9	1632.1	1687.0	1714.5	1751.7	1826.3	1882.2	1888.3
157.5°	1587.3	1606.0	1624.7	1629.4	1657.8	1695.6	1714.5	1743.4	1801.4	1844.9	1849.2
160°	1614.1	1628.7	1643.2	1646.8	1669.3	1699.4	1714.5	1739.3	1789.0	1826.3	1828.7
162.5°	1640.9	1651.8	1662.7	1665.4	1681.8	1703.5	1714.5	1735.4	1777.3	1808.8	1811.1
165°	1670.1	1679.9	1689.8	1692.2	1699.6	1709.5	1714.5	1729.5	1759.5	1782.0	1784.4
167.5°	1696.9	1701.6	1706.2	1707.4	1713.6	1721.9	1726.0	1735.9	1755.6	1770.4	1771.4
170°	1714.5	1719.1	1723.8	1724.9	1725.3	1725.8	1726.0	1735.9	1755.6	1770.4	1770.4
172.5°	1723.7	1724.7	1725.8	1726.0	1726.0	1726.0	1726.0	1733.8	1749.4	1761.1	1760.1
175°	1736.6	1736.6	1736.6	1736.6	1733.0	1728.4	1726.0	1731.0	1740.8	1748.2	1748.2
177.5°	1736.6	1736.6	1736.6	1736.6	1733.9	1730.2	1728.4	1732.3	1740.0	1745.8	1744.8
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5139.8	5125.6	5139.8	5130.4	5135.1	5120.8	5078.2	5064.0	5078.2	5092.4	5092.4
5°	5201.4	5192.0	5201.4	5201.4	5196.8	5187.2	5139.8	5130.4	5139.8	5144.6	5135.1
7.5°	5220.4	5206.2	5220.4	5211.0	5211.0	5201.4	5154.1	5144.6	5149.3	5163.5	5149.3
10°	5220.4	5206.2	5220.4	5215.7	5211.0	5201.4	5154.1	5135.1	5135.1	5149.3	5135.1
12.5°	5196.8	5187.2	5196.8	5187.2	5187.2	5177.7	5130.4	5111.4	5116.1	5120.8	5101.9
15°	5158.8	5144.6	5158.8	5149.3	5154.1	5139.8	5087.7	5068.7	5068.7	5078.2	5045.0
17.5°	5101.9	5082.9	5101.9	5097.1	5092.4	5082.9	5035.5	5016.5	5011.8	5016.5	4992.9
20°	5035.5	5021.3	5035.5	5030.8	5030.8	5011.8	4964.4	4940.7	4940.7	4940.7	4916.9
22.5°	4931.2	4916.9	4931.2	4940.7	4940.7	4935.9	4893.2	4860.1	4850.6	4850.6	4822.1
25°	4812.6	4798.4	4812.6	4812.6	4808.0	4812.6	4798.4	4779.5	4765.3	4751.1	4722.6
27.5°	4698.9	4689.4	4698.9	4689.4	4698.9	4684.7	4679.9	4675.1	4656.2	4642.0	4604.1
30°	4585.1	4575.6	4585.1	4575.6	4566.1	4556.6	4532.9	4523.5	4542.4	4532.9	4471.2
32.5°	4442.9	4433.3	4442.9	4442.9	4433.3	4433.3	4395.4	4381.2	4386.0	4414.4	4357.5
35°	4295.8	4281.6	4295.8	4291.1	4295.8	4281.6	4257.9	4253.2	4234.2	4267.4	4224.7
37.5°	4125.1	4110.9	4125.1	4125.1	4125.1	4134.6	4115.7	4101.5	4073.0	4115.7	4082.5
40°	3949.7	3930.7	3949.7	3944.9	3949.7	3959.2	3949.7	3940.3	3911.8	3944.9	3916.5
42.5°	3750.6	3745.8	3750.6	3755.3	3755.3	3774.3	3788.5	3769.5	3760.0	3736.4	3755.3
45°	3537.2	3527.7	3537.2	3546.7	3551.4	3560.9	3603.6	3603.6	3589.4	3551.4	3579.8
47.5°	3309.6	3285.9	3309.6	3338.0	3338.0	3352.3	3394.9	3428.2	3404.4	3357.0	3371.3
50°	3067.8	3072.5	3067.8	3086.8	3086.8	3138.9	3172.1	3205.3	3229.0	3172.1	3105.7
52.5°	2830.7	2826.0	2830.7	2845.0	2863.9	2887.6	2944.5	2977.7	3015.6	2982.4	2878.1
55°	2593.6	2603.2	2593.6	2598.4	2607.8	2622.1	2707.4	2740.6	2811.7	2769.0	2660.0
57.5°	2356.6	2342.3	2356.6	2366.0	2370.8	2385.0	2456.1	2517.8	2560.5	2565.1	2432.4
60°	2081.5	2062.6	2081.5	2124.2	2133.7	2143.2	2209.6	2266.4	2304.4	2318.7	2181.1
62.5°	1839.7	1806.5	1839.7	1868.2	1887.1	1910.9	1958.2	2043.6	2076.7	2081.5	1887.1
65°	1583.7	1569.5	1583.7	1640.6	1645.3	1673.7	1725.9	1787.6	1858.7	1849.2	1569.5
67.5°	1351.3	1351.3	1351.3	1389.2	1417.7	1431.9	1498.3	1526.8	1616.8	1626.4	1308.6
70°	1138.0	1133.2	1138.0	1166.4	1185.3	1218.6	1280.2	1313.4	1384.6	1408.2	1062.1
72.5°	934.1	929.3	934.1	957.8	976.8	1005.2	1057.4	1095.3	1156.9	1185.3	825.0
75°	753.9	744.4	753.9	772.9	768.1	806.0	848.7	886.6	943.5	962.5	611.7
77.5°	578.4	578.4	578.4	597.5	597.5	635.4	654.4	701.7	735.0	763.4	450.5
80°	431.5	426.7	431.5	436.2	436.2	455.2	488.4	521.5	550.0	550.0	308.2
82.5°	303.5	293.9	303.5	303.5	303.5	313.0	331.9	341.4	360.3	374.6	194.4
85°	189.7	189.7	189.7	194.4	189.7	199.1	203.9	213.3	213.3	203.9	118.5
87.5°	123.3	118.5	123.3	118.5	118.5	113.8	113.8	113.8	109.1	104.3	66.4
90°	44.3	44.3	44.3	44.3	44.3	59.0	78.7	88.5	76.1	51.3	32.6
92.5°	177.4	142.2	177.4	212.7	221.5	313.9	437.2	498.8	438.0	316.3	224.9
95°	618.3	511.6	618.3	725.0	751.7	987.1	1301.1	1458.0	1231.4	778.1	438.2
97.5°	1481.6	1278.6	1481.6	1684.7	1735.4	1884.2	2082.5	2181.7	1803.8	1048.1	481.4
100°	2134.7	1892.8	2134.7	2376.6	2437.0	2426.2	2411.7	2404.4	1985.0	1146.4	517.4
102.5°	2777.1	2569.9	2777.1	2984.2	3036.1	2846.5	2593.7	2467.3	2042.1	1191.5	553.6
105°	3596.1	3484.8	3596.1	3707.5	3735.3	3310.4	2743.7	2460.3	2048.5	1224.9	607.2
107.5°	4132.7	4159.6	4132.7	4105.7	4099.0	3506.1	2715.7	2320.4	1957.3	1231.1	686.5
110°	4337.2	4453.3	4337.2	4221.2	4192.2	3529.4	2645.7	2203.9	1876.5	1221.8	730.8





TEST NUMBER: P935381

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4355.5	4533.7	4355.5	4177.3	4132.8	3454.5	2550.1	2097.9	1806.0	1222.2	784.4
115°	4240.0	4487.0	4240.0	3992.8	3931.1	3277.7	2406.5	1970.8	1725.0	1233.4	864.8
117.5°	3995.1	4269.1	3995.1	3721.1	3652.6	3062.9	2276.5	1883.4	1674.4	1256.4	942.9
120°	3797.7	4064.0	3797.7	3531.5	3465.0	2926.1	2207.7	1848.5	1657.4	1275.1	988.4
122.5°	3605.5	3868.2	3605.5	3343.0	3277.3	2792.1	2145.1	1821.7	1648.4	1301.9	1042.0
125°	3331.4	3573.3	3331.4	3089.5	3029.1	2616.9	2067.3	1792.5	1641.0	1338.0	1110.7
127.5°	3084.9	3289.0	3084.9	2880.7	2829.7	2475.8	2004.0	1768.1	1636.7	1374.1	1177.1
130°	2939.6	3128.2	2939.6	2751.1	2703.9	2388.9	1968.8	1758.7	1639.4	1400.5	1221.4
132.5°	2807.8	2976.7	2807.8	2638.9	2596.7	2314.6	1938.5	1750.5	1640.9	1421.8	1257.5
135°	2627.1	2772.7	2627.1	2481.5	2445.1	2208.9	1894.1	1736.6	1639.5	1445.2	1299.5
137.5°	2482.2	2601.4	2482.2	2363.1	2333.3	2133.6	1867.3	1734.3	1649.5	1480.1	1353.1
140°	2382.8	2494.2	2382.8	2271.4	2243.6	2071.1	1841.0	1726.0	1651.2	1501.5	1389.2
142.5°	2300.3	2396.2	2300.3	2204.5	2180.6	2029.1	1827.1	1726.0	1657.1	1519.3	1416.0
145°	2176.9	2249.4	2176.9	2104.3	2086.2	1962.2	1797.0	1714.5	1657.2	1542.7	1456.9
147.5°	2082.1	2142.1	2082.1	2022.0	2007.0	1909.5	1779.5	1714.5	1668.6	1576.9	1508.1
150°	2022.4	2071.1	2022.4	1973.6	1961.5	1879.1	1769.4	1714.5	1674.6	1594.8	1534.9
152.5°	1971.3	2008.1	1971.3	1934.5	1925.3	1855.0	1761.3	1714.5	1678.4	1606.4	1552.4
155°	1912.6	1937.0	1912.6	1888.3	1882.2	1826.3	1751.7	1714.5	1687.0	1632.1	1590.9
157.5°	1866.3	1883.4	1866.3	1849.2	1844.9	1801.4	1743.4	1714.5	1695.6	1657.8	1629.4
160°	1838.6	1848.5	1838.6	1828.7	1826.3	1789.0	1739.3	1714.5	1699.4	1669.3	1646.8
162.5°	1820.5	1829.8	1820.5	1811.1	1808.8	1777.3	1735.4	1714.5	1703.5	1681.8	1665.4
165°	1794.3	1804.1	1794.3	1784.4	1782.0	1759.5	1729.5	1714.5	1709.5	1699.6	1692.2
167.5°	1775.5	1779.6	1775.5	1771.4	1770.4	1755.6	1735.9	1726.0	1721.9	1713.6	1707.4
170°	1770.4	1770.4	1770.4	1770.4	1770.4	1755.6	1735.9	1726.0	1725.8	1725.3	1724.9
172.5°	1756.5	1752.8	1756.5	1760.1	1761.1	1749.4	1733.8	1726.0	1726.0	1726.0	1726.0
175°	1748.2	1748.2	1748.2	1748.2	1748.2	1740.8	1731.0	1726.0	1728.4	1733.0	1736.6
177.5°	1740.7	1736.6	1740.7	1744.8	1745.8	1740.0	1732.3	1728.4	1730.2	1733.9	1736.6
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935381

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5082.9	5054.5	5054.5	5007.1	4988.1	4973.9	4950.2	4879.0	4860.1	4841.1	4869.6
5°	5125.6	5073.5	5035.5	4950.2	4879.0	4850.6	4760.5	4589.8	4476.0	4390.6	4343.3
7.5°	5135.1	5068.7	4997.6	4864.8	4694.1	4618.3	4343.3	4030.3	3944.9	3869.1	3821.6
10°	5125.6	5049.8	4950.2	4751.1	4348.0	4215.2	3940.3	3736.4	3684.2	3670.0	3684.2
12.5°	5092.4	5021.3	4883.8	4551.8	3987.6	3897.6	3736.4	3617.8	3608.3	3632.0	3760.0
15°	5035.5	4969.2	4808.0	4286.3	3788.5	3722.1	3608.3	3565.6	3617.8	3783.7	4167.8
17.5°	4978.6	4902.8	4703.6	4025.5	3636.8	3589.4	3508.8	3594.1	3888.1	4110.9	4239.0
20°	4902.8	4812.6	4585.1	3835.9	3527.7	3485.0	3447.1	3831.2	4054.0	4134.6	4205.7
22.5°	4812.6	4717.8	4423.9	3703.1	3414.0	3380.7	3404.4	3963.9	4054.0	4110.9	4172.6
25°	4694.1	4613.5	4234.2	3598.8	3323.8	3285.9	3375.9	3949.7	4001.8	4016.1	4139.4
27.5°	4585.1	4480.8	4035.1	3504.0	3214.7	3200.5	3399.7	3888.1	3926.0	3940.3	4073.0
30°	4452.3	4295.8	3812.2	3404.4	3101.0	3096.2	3404.4	3812.2	3802.7	3840.6	3973.4
32.5°	4314.8	4020.9	3560.9	3281.1	2991.9	2987.2	3371.3	3698.4	3688.9	3741.0	3840.6
35°	4186.7	3807.5	3219.5	3138.9	2854.4	2859.2	3290.7	3565.6	3570.4	3617.8	3679.4
37.5°	4054.0	3622.5	2845.0	2982.4	2721.7	2721.7	3181.6	3442.4	3432.9	3447.1	3532.5
40°	3897.6	3333.3	2513.0	2778.6	2598.4	2584.1	3048.9	3309.6	3276.4	3271.7	3390.2
42.5°	3731.6	3015.6	2266.4	2508.3	2456.1	2437.2	2887.6	3148.4	3086.8	3101.0	3252.7
45°	3551.4	2930.2	2076.7	2119.4	2309.1	2294.9	2712.1	2963.5	2920.8	2958.7	3115.2
47.5°	3371.3	2759.6	2015.2	1759.1	2152.7	2147.9	2517.8	2783.3	2759.6	2797.5	2963.5
50°	3124.7	2569.9	2010.4	1507.8	1977.2	1996.1	2285.4	2607.8	2607.8	2641.1	2816.5
52.5°	2807.0	2337.6	1825.5	1365.6	1773.3	1830.3	2081.5	2456.1	2465.6	2498.8	2655.3
55°	2517.8	2095.8	1692.7	1256.5	1531.5	1654.8	1882.4	2299.6	2318.7	2351.8	2494.1
57.5°	2252.2	1744.9	1664.3	1128.5	1308.6	1427.2	1707.0	2147.9	2157.4	2185.8	2323.3
60°	1967.8	1261.3	1526.8	991.0	1114.3	1204.4	1545.8	1967.8	2000.9	2019.9	2138.4
62.5°	1645.3	915.1	1384.6	896.2	1019.5	1038.4	1413.0	1797.0	1839.7	1853.9	1925.1
65°	1171.1	768.1	1175.9	815.6	919.9	924.6	1270.7	1621.6	1659.5	1683.3	1735.4
67.5°	791.8	625.9	896.2	739.6	844.0	848.7	1133.2	1417.7	1469.8	1488.9	1522.0
70°	550.0	417.2	663.8	659.0	758.7	768.1	986.2	1232.8	1280.2	1294.4	1313.4
72.5°	403.0	336.6	550.0	592.7	668.6	678.1	834.5	1024.1	1071.6	1085.8	1095.3
75°	308.2	355.6	445.7	516.8	569.0	573.8	682.8	834.5	867.7	877.2	881.9
77.5°	246.6	331.9	327.2	417.2	464.7	455.2	535.8	644.8	673.3	673.3	673.3
80°	184.9	260.8	246.6	298.7	341.4	331.9	384.1	459.9	469.4	478.9	474.2
82.5°	137.5	166.0	166.0	189.7	227.6	218.1	256.0	298.7	298.7	298.7	308.2
85°	85.4	94.8	75.8	99.6	128.1	123.3	142.2	161.2	166.0	166.0	156.4
87.5°	52.1	42.7	23.7	37.9	56.9	56.9	66.4	71.1	66.4	66.4	66.4
90°	30.3	21.0	11.7	21.0	30.3	32.6	51.3	76.1	88.5	78.7	59.0
92.5°	205.1	125.8	46.6	125.8	205.1	224.9	316.3	438.0	498.8	437.2	313.9
95°	402.0	256.9	111.9	256.9	402.0	438.2	778.1	1231.4	1458.0	1301.1	987.1
97.5°	449.3	321.4	193.4	321.4	449.3	481.4	1048.1	1803.8	2181.7	2082.5	1884.2
100°	488.4	372.4	256.4	372.4	488.4	517.4	1146.4	1985.0	2404.4	2411.7	2426.2
102.5°	526.5	418.2	310.0	418.2	526.5	553.6	1191.5	2042.1	2467.3	2593.7	2846.5
105°	584.3	492.6	401.0	492.6	584.3	607.2	1224.9	2048.5	2460.3	2743.7	3310.4
107.5°	665.1	579.6	494.2	579.6	665.1	686.5	1231.1	1957.3	2320.4	2715.7	3506.1
110°	711.4	634.3	557.1	634.3	711.4	730.8	1221.8	1876.5	2203.9	2645.7	3529.4



TEST NUMBER: P935381

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	766.0	692.5	618.9	692.5	766.0	784.4	1222.2	1806.0	2097.9	2550.1	3454.5
115°	847.8	780.0	712.1	780.0	847.8	864.8	1233.4	1725.0	1970.8	2406.5	3277.7
117.5°	927.5	865.8	804.2	865.8	927.5	942.9	1256.4	1674.4	1883.4	2276.5	3062.9
120°	973.9	915.8	857.8	915.8	973.9	988.4	1275.1	1657.4	1848.5	2207.7	2926.1
122.5°	1027.3	968.8	910.3	968.8	1027.3	1042.0	1301.9	1648.4	1821.7	2145.1	2792.1
125°	1097.4	1044.0	990.7	1044.0	1097.4	1110.7	1338.0	1641.0	1792.5	2067.3	2616.9
127.5°	1163.7	1109.8	1055.9	1109.8	1163.7	1177.1	1374.1	1636.7	1768.1	2004.0	2475.8
130°	1206.9	1148.9	1090.9	1148.9	1206.9	1221.4	1400.5	1639.4	1758.7	1968.8	2388.9
132.5°	1243.1	1185.1	1127.1	1185.1	1243.1	1257.5	1421.8	1640.9	1750.5	1938.5	2314.6
135°	1286.3	1233.4	1180.7	1233.4	1286.3	1299.5	1445.2	1639.5	1736.6	1894.1	2208.9
137.5°	1340.0	1287.7	1235.4	1287.7	1340.0	1353.1	1480.1	1649.5	1734.3	1867.3	2133.6
140°	1377.2	1329.1	1280.9	1329.1	1377.2	1389.2	1501.5	1651.2	1726.0	1841.0	2071.1
142.5°	1404.9	1360.4	1315.8	1360.4	1404.9	1416.0	1519.3	1657.1	1726.0	1827.1	2029.1
145°	1447.1	1408.3	1369.4	1408.3	1447.1	1456.9	1542.7	1657.2	1714.5	1797.0	1962.2
147.5°	1498.7	1460.9	1423.0	1460.9	1498.7	1508.1	1576.9	1668.6	1714.5	1779.5	1909.5
150°	1526.3	1492.2	1458.0	1492.2	1526.3	1534.9	1594.8	1674.6	1714.5	1769.4	1879.1
152.5°	1546.0	1520.0	1494.1	1520.0	1546.0	1552.4	1606.4	1678.4	1714.5	1761.3	1855.0
155°	1586.1	1566.9	1547.7	1566.9	1586.1	1590.9	1632.1	1687.0	1714.5	1751.7	1826.3
157.5°	1624.7	1606.0	1587.3	1606.0	1624.7	1629.4	1657.8	1695.6	1714.5	1743.4	1801.4
160°	1643.2	1628.7	1614.1	1628.7	1643.2	1646.8	1669.3	1699.4	1714.5	1739.3	1789.0
162.5°	1662.7	1651.8	1640.9	1651.8	1662.7	1665.4	1681.8	1703.5	1714.5	1735.4	1777.3
165°	1689.8	1679.9	1670.1	1679.9	1689.8	1692.2	1699.6	1709.5	1714.5	1729.5	1759.5
167.5°	1706.2	1701.6	1696.9	1701.6	1706.2	1707.4	1713.6	1721.9	1726.0	1735.9	1755.6
170°	1723.8	1719.1	1714.5	1719.1	1723.8	1724.9	1725.3	1725.8	1726.0	1735.9	1755.6
172.5°	1725.8	1724.7	1723.7	1724.7	1725.8	1726.0	1726.0	1726.0	1726.0	1733.8	1749.4
175°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1733.0	1728.4	1726.0	1731.0	1740.8
177.5°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1733.9	1730.2	1728.4	1732.3	1740.0
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935381  
 CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	4836.3	4822.1	4841.1	4789.0	4841.1	4822.1	4836.3	4869.6	4841.1	4860.1	4879.0
5°	4243.7	4220.0	4144.1	4082.5	4144.1	4220.0	4243.7	4343.3	4390.6	4476.0	4589.8
7.5°	3793.3	3774.3	3755.3	3717.4	3755.3	3774.3	3793.3	3821.6	3869.1	3944.9	4030.3
10°	3693.7	3698.4	3726.8	3722.1	3726.8	3698.4	3693.7	3684.2	3670.0	3684.2	3736.4
12.5°	3949.7	3992.4	4148.8	4139.4	4148.8	3992.4	3949.7	3760.0	3632.0	3608.3	3617.8
15°	4243.7	4257.9	4291.1	4295.8	4291.1	4257.9	4243.7	4167.8	3783.7	3617.8	3565.6
17.5°	4272.1	4276.9	4300.6	4300.6	4300.6	4276.9	4272.1	4239.0	4110.9	3888.1	3594.1
20°	4248.4	4257.9	4305.4	4314.8	4305.4	4257.9	4248.4	4205.7	4134.6	4054.0	3831.2
22.5°	4239.0	4257.9	4295.8	4291.1	4295.8	4257.9	4239.0	4172.6	4110.9	4054.0	3963.9
25°	4191.5	4191.5	4196.3	4201.0	4196.3	4191.5	4191.5	4139.4	4016.1	4001.8	3949.7
27.5°	4091.9	4101.5	4129.9	4125.1	4129.9	4101.5	4091.9	4073.0	3940.3	3926.0	3888.1
30°	4001.8	3992.4	3968.7	3949.7	3968.7	3992.4	4001.8	3973.4	3840.6	3802.7	3812.2
32.5°	3850.1	3826.4	3802.7	3788.5	3802.7	3826.4	3850.1	3840.6	3741.0	3688.9	3698.4
35°	3670.0	3674.7	3670.0	3655.8	3670.0	3674.7	3670.0	3679.4	3617.8	3570.4	3565.6
37.5°	3541.9	3551.4	3546.7	3527.7	3546.7	3551.4	3541.9	3532.5	3447.1	3432.9	3442.4
40°	3409.2	3414.0	3409.2	3394.9	3409.2	3414.0	3409.2	3390.2	3271.7	3276.4	3309.6
42.5°	3281.1	3276.4	3262.2	3252.7	3262.2	3276.4	3281.1	3252.7	3101.0	3086.8	3148.4
45°	3134.1	3138.9	3110.4	3096.2	3110.4	3138.9	3134.1	3115.2	2958.7	2920.8	2963.5
47.5°	2987.2	2987.2	2963.5	2949.2	2963.5	2987.2	2987.2	2963.5	2797.5	2759.6	2783.3
50°	2830.7	2826.0	2792.8	2788.0	2792.8	2826.0	2830.7	2816.5	2641.1	2607.8	2607.8
52.5°	2650.5	2650.5	2655.3	2664.7	2655.3	2650.5	2650.5	2655.3	2498.8	2465.6	2456.1
55°	2494.1	2498.8	2532.0	2541.5	2532.0	2498.8	2494.1	2494.1	2351.8	2318.7	2299.6
57.5°	2332.9	2332.9	2356.6	2356.6	2356.6	2332.9	2332.9	2323.3	2185.8	2157.4	2147.9
60°	2147.9	2157.4	2176.4	2171.6	2176.4	2157.4	2147.9	2138.4	2019.9	2000.9	1967.8
62.5°	1953.6	1963.0	1967.8	1958.2	1967.8	1963.0	1953.6	1925.1	1853.9	1839.7	1797.0
65°	1749.7	1759.1	1763.9	1754.3	1763.9	1759.1	1749.7	1735.4	1683.3	1659.5	1621.6
67.5°	1541.0	1536.2	1531.5	1550.4	1531.5	1536.2	1541.0	1522.0	1488.9	1469.8	1417.7
70°	1327.6	1327.6	1322.9	1332.4	1322.9	1327.6	1327.6	1313.4	1294.4	1280.2	1232.8
72.5°	1100.1	1095.3	1114.3	1100.1	1114.3	1095.3	1100.1	1095.3	1085.8	1071.6	1024.1
75°	877.2	886.6	877.2	891.4	877.2	886.6	877.2	881.9	877.2	867.7	834.5
77.5°	668.6	678.1	668.6	668.6	668.6	678.1	668.6	673.3	673.3	673.3	644.8
80°	474.2	469.4	469.4	464.7	469.4	469.4	474.2	474.2	478.9	469.4	459.9
82.5°	303.5	298.7	298.7	308.2	298.7	298.7	303.5	308.2	298.7	298.7	298.7
85°	166.0	170.7	161.2	161.2	161.2	170.7	166.0	156.4	166.0	166.0	161.2
87.5°	61.6	56.9	56.9	56.9	56.9	56.9	61.6	66.4	66.4	66.4	71.1
90°	44.3	44.3	44.3	44.3	44.3	44.3	44.3	59.0	78.7	88.5	76.1
92.5°	221.5	212.7	177.4	142.2	177.4	212.7	221.5	313.9	437.2	498.8	438.0
95°	751.7	725.0	618.3	511.6	618.3	725.0	751.7	987.1	1301.1	1458.0	1231.4
97.5°	1735.4	1684.7	1481.6	1278.6	1481.6	1684.7	1735.4	1884.2	2082.5	2181.7	1803.8
100°	2437.0	2376.6	2134.7	1892.8	2134.7	2376.6	2437.0	2426.2	2411.7	2404.4	1985.0
102.5°	3036.1	2984.2	2777.1	2569.9	2777.1	2984.2	3036.1	2846.5	2593.7	2467.3	2042.1
105°	3735.3	3707.5	3596.1	3484.8	3596.1	3707.5	3735.3	3310.4	2743.7	2460.3	2048.5
107.5°	4099.0	4105.7	4132.7	4159.6	4132.7	4105.7	4099.0	3506.1	2715.7	2320.4	1957.3
110°	4192.2	4221.2	4337.2	4453.3	4337.2	4221.2	4192.2	3529.4	2645.7	2203.9	1876.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4132.8	4177.3	4355.5	4533.7	4355.5	4177.3	4132.8	3454.5	2550.1	2097.9	1806.0
115°	3931.1	3992.8	4240.0	4487.0	4240.0	3992.8	3931.1	3277.7	2406.5	1970.8	1725.0
117.5°	3652.6	3721.1	3995.1	4269.1	3995.1	3721.1	3652.6	3062.9	2276.5	1883.4	1674.4
120°	3465.0	3531.5	3797.7	4064.0	3797.7	3531.5	3465.0	2926.1	2207.7	1848.5	1657.4
122.5°	3277.3	3343.0	3605.5	3868.2	3605.5	3343.0	3277.3	2792.1	2145.1	1821.7	1648.4
125°	3029.1	3089.5	3331.4	3573.3	3331.4	3089.5	3029.1	2616.9	2067.3	1792.5	1641.0
127.5°	2829.7	2880.7	3084.9	3289.0	3084.9	2880.7	2829.7	2475.8	2004.0	1768.1	1636.7
130°	2703.9	2751.1	2939.6	3128.2	2939.6	2751.1	2703.9	2388.9	1968.8	1758.7	1639.4
132.5°	2596.7	2638.9	2807.8	2976.7	2807.8	2638.9	2596.7	2314.6	1938.5	1750.5	1640.9
135°	2445.1	2481.5	2627.1	2772.7	2627.1	2481.5	2445.1	2208.9	1894.1	1736.6	1639.5
137.5°	2333.3	2363.1	2482.2	2601.4	2482.2	2363.1	2333.3	2133.6	1867.3	1734.3	1649.5
140°	2243.6	2271.4	2382.8	2494.2	2382.8	2271.4	2243.6	2071.1	1841.0	1726.0	1651.2
142.5°	2180.6	2204.5	2300.3	2396.2	2300.3	2204.5	2180.6	2029.1	1827.1	1726.0	1657.1
145°	2086.2	2104.3	2176.9	2249.4	2176.9	2104.3	2086.2	1962.2	1797.0	1714.5	1657.2
147.5°	2007.0	2022.0	2082.1	2142.1	2082.1	2022.0	2007.0	1909.5	1779.5	1714.5	1668.6
150°	1961.5	1973.6	2022.4	2071.1	2022.4	1973.6	1961.5	1879.1	1769.4	1714.5	1674.6
152.5°	1925.3	1934.5	1971.3	2008.1	1971.3	1934.5	1925.3	1855.0	1761.3	1714.5	1678.4
155°	1882.2	1888.3	1912.6	1937.0	1912.6	1888.3	1882.2	1826.3	1751.7	1714.5	1687.0
157.5°	1844.9	1849.2	1866.3	1883.4	1866.3	1849.2	1844.9	1801.4	1743.4	1714.5	1695.6
160°	1826.3	1828.7	1838.6	1848.5	1838.6	1828.7	1826.3	1789.0	1739.3	1714.5	1699.4
162.5°	1808.8	1811.1	1820.5	1829.8	1820.5	1811.1	1808.8	1777.3	1735.4	1714.5	1703.5
165°	1782.0	1784.4	1794.3	1804.1	1794.3	1784.4	1782.0	1759.5	1729.5	1714.5	1709.5
167.5°	1770.4	1771.4	1775.5	1779.6	1775.5	1771.4	1770.4	1755.6	1735.9	1726.0	1721.9
170°	1770.4	1770.4	1770.4	1770.4	1770.4	1770.4	1770.4	1755.6	1735.9	1726.0	1725.8
172.5°	1761.1	1760.1	1756.5	1752.8	1756.5	1760.1	1761.1	1749.4	1733.8	1726.0	1726.0
175°	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1748.2	1740.8	1731.0	1726.0	1728.4
177.5°	1745.8	1744.8	1740.7	1736.6	1740.7	1744.8	1745.8	1740.0	1732.3	1728.4	1730.2
180°	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6	1736.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	4950.2	4973.9	4988.1	5007.1	5054.5
5°	4760.5	4850.6	4879.0	4950.2	5035.5
7.5°	4343.3	4618.3	4694.1	4864.8	4997.6
10°	3940.3	4215.2	4348.0	4751.1	4950.2
12.5°	3736.4	3897.6	3987.6	4551.8	4883.8
15°	3608.3	3722.1	3788.5	4286.3	4808.0
17.5°	3508.8	3589.4	3636.8	4025.5	4703.6
20°	3447.1	3485.0	3527.7	3835.9	4585.1
22.5°	3404.4	3380.7	3414.0	3703.1	4423.9
25°	3375.9	3285.9	3323.8	3598.8	4234.2
27.5°	3399.7	3200.5	3214.7	3504.0	4035.1
30°	3404.4	3096.2	3101.0	3404.4	3812.2
32.5°	3371.3	2987.2	2991.9	3281.1	3560.9
35°	3290.7	2859.2	2854.4	3138.9	3219.5
37.5°	3181.6	2721.7	2721.7	2982.4	2845.0
40°	3048.9	2584.1	2598.4	2778.6	2513.0
42.5°	2887.6	2437.2	2456.1	2508.3	2266.4
45°	2712.1	2294.9	2309.1	2119.4	2076.7
47.5°	2517.8	2147.9	2152.7	1759.1	2015.2
50°	2285.4	1996.1	1977.2	1507.8	2010.4
52.5°	2081.5	1830.3	1773.3	1365.6	1825.5
55°	1882.4	1654.8	1531.5	1256.5	1692.7
57.5°	1707.0	1427.2	1308.6	1128.5	1664.3
60°	1545.8	1204.4	1114.3	991.0	1526.8
62.5°	1413.0	1038.4	1019.5	896.2	1384.6
65°	1270.7	924.6	919.9	815.6	1175.9
67.5°	1133.2	848.7	844.0	739.6	896.2
70°	986.2	768.1	758.7	659.0	663.8
72.5°	834.5	678.1	668.6	592.7	550.0
75°	682.8	573.8	569.0	516.8	445.7
77.5°	535.8	455.2	464.7	417.2	327.2
80°	384.1	331.9	341.4	298.7	246.6
82.5°	256.0	218.1	227.6	189.7	166.0
85°	142.2	123.3	128.1	99.6	75.8
87.5°	66.4	56.9	56.9	37.9	23.7
90°	51.3	32.6	30.3	21.0	11.7
92.5°	316.3	224.9	205.1	125.8	46.6
95°	778.1	438.2	402.0	256.9	111.9
97.5°	1048.1	481.4	449.3	321.4	193.4
100°	1146.4	517.4	488.4	372.4	256.4
102.5°	1191.5	553.6	526.5	418.2	310.0
105°	1224.9	607.2	584.3	492.6	401.0
107.5°	1231.1	686.5	665.1	579.6	494.2
110°	1221.8	730.8	711.4	634.3	557.1



TEST NUMBER: P935381

CATALOG NUMBER: SQ4-FA-100U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1222.2	784.4	766.0	692.5	618.9
115°	1233.4	864.8	847.8	780.0	712.1
117.5°	1256.4	942.9	927.5	865.8	804.2
120°	1275.1	988.4	973.9	915.8	857.8
122.5°	1301.9	1042.0	1027.3	968.8	910.3
125°	1338.0	1110.7	1097.4	1044.0	990.7
127.5°	1374.1	1177.1	1163.7	1109.8	1055.9
130°	1400.5	1221.4	1206.9	1148.9	1090.9
132.5°	1421.8	1257.5	1243.1	1185.1	1127.1
135°	1445.2	1299.5	1286.3	1233.4	1180.7
137.5°	1480.1	1353.1	1340.0	1287.7	1235.4
140°	1501.5	1389.2	1377.2	1329.1	1280.9
142.5°	1519.3	1416.0	1404.9	1360.4	1315.8
145°	1542.7	1456.9	1447.1	1408.3	1369.4
147.5°	1576.9	1508.1	1498.7	1460.9	1423.0
150°	1594.8	1534.9	1526.3	1492.2	1458.0
152.5°	1606.4	1552.4	1546.0	1520.0	1494.1
155°	1632.1	1590.9	1586.1	1566.9	1547.7
157.5°	1657.8	1629.4	1624.7	1606.0	1587.3
160°	1669.3	1646.8	1643.2	1628.7	1614.1
162.5°	1681.8	1665.4	1662.7	1651.8	1640.9
165°	1699.6	1692.2	1689.8	1679.9	1670.1
167.5°	1713.6	1707.4	1706.2	1701.6	1696.9
170°	1725.3	1724.9	1723.8	1719.1	1714.5
172.5°	1726.0	1726.0	1725.8	1724.7	1723.7
175°	1733.0	1736.6	1736.6	1736.6	1736.6
177.5°	1733.9	1736.6	1736.6	1736.6	1736.6
180°	1736.6	1736.6	1736.6	1736.6	1736.6



TEST NUMBER: P935381  
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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	14.66	15.56	15.59	16.50	17.72	17.51	18.41	18.44	19.35	20.57
	3H	15.14	15.94	16.08	16.90	18.14	18.87	19.67	19.80	20.62	21.86
	4H	15.33	16.09	16.29	17.05	18.30	19.32	20.08	20.27	21.03	22.28
	6H	15.45	16.15	16.42	17.12	18.38	19.61	20.31	20.57	21.27	22.54
	8H	15.46	16.12	16.43	17.10	18.36	19.69	20.35	20.66	21.33	22.60
	12H	15.43	16.06	16.40	17.03	18.32	19.73	20.36	20.71	21.34	22.62
4H	2H	15.70	16.46	16.66	17.42	18.67	17.92	18.68	18.88	19.64	20.89
	3H	16.73	17.37	17.70	18.35	19.62	19.44	20.07	20.41	21.06	22.33
	4H	17.01	17.59	17.99	18.57	19.86	19.97	20.55	20.95	21.53	22.82
	6H	17.14	17.63	18.13	18.64	19.93	20.35	20.84	21.34	21.85	23.14
	8H	17.14	17.61	18.13	18.61	19.91	20.46	20.92	21.45	21.92	23.22
	12H	17.11	17.53	18.12	18.55	19.85	20.52	20.94	21.53	21.95	23.26
8H	4H	17.47	17.93	18.46	18.93	20.24	20.10	20.56	21.09	21.56	22.87
	6H	17.73	18.12	18.75	19.16	20.46	20.54	20.93	21.56	21.97	23.27
	8H	17.78	18.11	18.80	19.14	20.46	20.70	21.04	21.72	22.07	23.38
	12H	17.76	18.06	18.79	19.08	20.44	20.80	21.10	21.83	22.12	23.49
12H	4H	17.48	17.90	18.49	18.91	20.22	20.07	20.49	21.08	21.50	22.81
	6H	17.80	18.13	18.82	19.16	20.48	20.54	20.88	21.57	21.91	23.23
	8H	17.86	18.16	18.89	19.18	20.55	20.71	21.01	21.74	22.03	23.39