

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: P935278

Luminaire Tested: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

**Test Information**

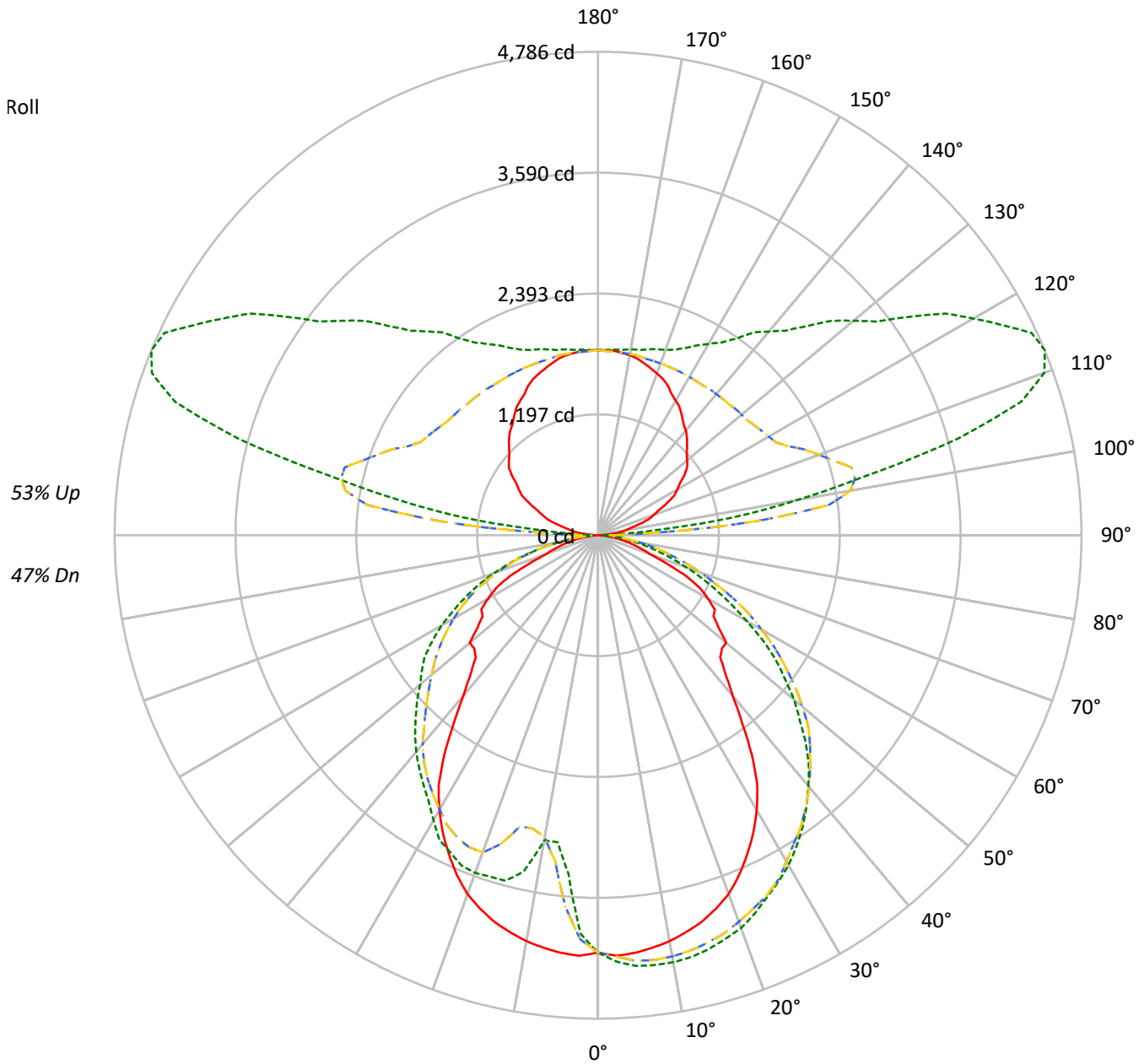
Test Method: LM-79-2019  
Report Number: P935278  
REPORT IS A COMBINATION OF REPORTS P933745 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22602.1 lumens  
Efficiency: N/A  
Efficacy: 129.9 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): 174  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12

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

	0°	90°	180°	270°
0°	12777	12777	12777	12777
5°	12878	12898	12878	10142
10°	12796	12706	12796	9083
15°	12662	12430	12662	10379
20°	12402	12104	12402	10401
25°	11865	11628	11865	10180
30°	11169	11233	11169	9697
35°	9962	10734	9962	9165
40°	8306	10146	8306	8763
45°	7426	9458	7426	8301
50°	7896	8637	7896	7838
55°	7435	7753	7435	7569
60°	7674	6584	7674	6933
65°	6969	5443	6969	6084
70°	4837	4337	4837	5100
75°	4258	3206	4258	3840
80°	3456	2120	3456	2308
85°	2025	1123	2025	954

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11374 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.9	1.6
10°-20°	1058.7	4.7
20°-30°	1636.6	7.2
30°-40°	1953.8	8.6
40°-50°	1965.2	8.7
50°-60°	1710.0	7.6
60°-70°	1212.4	5.4
70°-80°	641.4	2.8
80°-90°	166.7	0.7
90°-100°	893.6	4.0
100°-110°	2349.4	10.4
110°-120°	2436.0	10.8
120°-130°	1954.0	8.6
130°-140°	1533.2	6.8
140°-150°	1176.8	5.2
150°-160°	847.5	3.7
160°-170°	518.5	2.3
170°-180°	175.2	0.8
0°-30°	3068.3	13.6
0°-40°	5022.1	22.2
0°-60°	8697.3	38.5
0°-90°	10717.9	47.4
90°-120°	5679.0	25.1
90°-150°	10343.0	45.8
90°-180°	11884.0	52.6
0°-180°	22602.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4131	4131	4131	4131	4131	
5°	4151	4280	4151	3365	4151	394
15°	3963	4240	3963	3541	3963	1115
25°	3490	3955	3490	3463	3490	1602
35°	2654	3529	2654	3013	2654	1642
45°	1712	2908	1712	2552	1712	1371
55°	1395	2146	1395	2095	1395	1282
65°	969	1294	969	1446	969	926
75°	367	614	367	735	367	386
85°	62	156	62	133	62	84
90°	12	47	12	47	12	13
95°	118	540	118	540	118	131
105°	423	3679	423	3679	423	449
115°	752	4737	752	4737	752	742
125°	1046	3772	1046	3772	1046	929
135°	1246	2927	1246	2927	1246	964
145°	1446	2375	1446	2375	1446	906
155°	1634	2045	1634	2045	1634	751
165°	1763	1905	1763	1905	1763	498
175°	1833	1846	1833	1846	1833	174
180°	1833	1833	1833	1833	1833	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	4166.1	4166.1	4189.6	4197.4	4197.4	4185.7	4173.9	4185.7	4220.9	4232.6	4228.7
5°	4150.6	4181.8	4224.8	4232.6	4240.4	4236.5	4228.7	4236.5	4275.6	4283.4	4287.3
7.5°	4119.2	4177.9	4232.6	4244.3	4256.1	4244.3	4240.4	4248.3	4287.3	4295.1	4295.1
10°	4080.2	4162.3	4224.8	4232.6	4244.3	4232.6	4232.6	4248.3	4287.3	4295.1	4299.1
12.5°	4025.4	4138.8	4197.4	4205.3	4220.9	4216.9	4213.1	4228.7	4267.8	4275.6	4275.6
15°	3962.9	4095.8	4150.6	4158.4	4185.7	4177.9	4177.9	4193.6	4236.5	4248.3	4244.3
17.5°	3877.0	4041.1	4103.6	4115.4	4134.9	4130.9	4134.9	4150.6	4189.6	4197.4	4201.3
20°	3779.2	3966.9	4041.1	4052.9	4072.4	4072.4	4072.4	4091.9	4130.9	4146.6	4146.6
22.5°	3646.3	3888.7	3966.9	3974.7	3998.1	3998.1	4005.9	4033.2	4068.4	4072.4	4072.4
25°	3490.0	3802.7	3869.2	3892.6	3916.0	3927.7	3939.5	3955.1	3966.9	3962.9	3966.9
27.5°	3325.9	3693.3	3779.2	3794.9	3826.2	3837.9	3853.5	3857.4	3861.3	3873.0	3865.2
30°	3142.2	3540.8	3669.8	3685.5	3736.2	3744.0	3728.5	3736.2	3755.8	3763.7	3771.4
32.5°	2935.0	3314.1	3556.5	3591.6	3638.5	3615.1	3611.2	3623.0	3654.2	3654.2	3662.0
35°	2653.7	3138.3	3451.0	3482.3	3517.4	3490.0	3505.6	3509.6	3529.1	3540.8	3537.0
37.5°	2344.9	2985.9	3341.6	3365.0	3392.3	3357.1	3380.6	3392.3	3408.0	3400.1	3400.1
40°	2071.4	2747.5	3212.6	3228.2	3251.6	3224.3	3247.7	3255.6	3263.4	3255.6	3251.6
42.5°	1868.2	2485.6	3075.7	3095.3	3079.7	3099.2	3107.0	3122.7	3110.9	3095.3	3095.3
45°	1711.8	2415.3	2927.2	2950.7	2927.2	2958.5	2970.2	2970.2	2935.0	2927.2	2923.4
47.5°	1661.0	2274.6	2778.7	2778.7	2767.0	2806.1	2825.7	2798.3	2763.1	2751.4	2751.4
50°	1657.1	2118.2	2575.5	2559.9	2614.6	2661.5	2642.0	2614.6	2587.3	2544.3	2544.3
52.5°	1504.6	1926.7	2313.6	2372.3	2458.3	2485.6	2454.4	2427.0	2380.1	2360.6	2344.9
55°	1395.2	1727.5	2075.2	2192.5	2282.4	2317.6	2258.9	2231.6	2161.2	2149.5	2141.7
57.5°	1371.8	1438.2	1856.4	2004.9	2114.4	2110.4	2075.2	2024.5	1965.8	1954.2	1950.2
60°	1258.4	1039.5	1621.9	1797.8	1911.2	1899.4	1868.2	1821.2	1766.5	1758.7	1750.8
62.5°	1141.2	754.3	1356.1	1555.5	1715.7	1711.8	1684.5	1614.1	1575.0	1555.5	1539.8
65°	969.2	633.1	965.3	1293.6	1524.2	1532.0	1473.4	1422.6	1379.6	1356.1	1352.2
67.5°	738.6	515.9	652.6	1078.7	1340.6	1332.7	1258.4	1235.0	1180.2	1168.5	1145.1
70°	547.1	343.9	453.4	875.5	1160.7	1141.2	1082.5	1055.2	1004.4	977.0	961.4
72.5°	453.4	277.5	332.2	680.0	977.0	953.6	902.8	871.5	828.5	805.1	789.5
75°	367.4	293.1	254.0	504.1	793.3	777.8	730.8	699.6	664.4	633.1	637.1
77.5°	269.7	273.6	203.2	371.3	629.3	605.8	578.4	539.3	523.7	492.4	492.4
80°	203.2	214.9	152.4	254.0	453.4	453.4	429.9	402.6	375.2	359.6	359.6
82.5°	136.8	136.8	113.3	160.2	308.7	297.0	281.4	273.6	257.9	250.1	250.1
85°	62.5	78.2	70.3	97.7	168.0	175.9	175.9	168.0	164.2	156.3	160.2
87.5°	19.5	35.2	43.0	54.7	86.0	89.9	93.8	93.8	93.8	97.7	97.7
90°	12.3	22.2	31.9	34.4	54.1	80.4	93.5	83.1	62.3	46.7	46.7
92.5°	49.2	132.8	216.5	237.4	333.9	462.3	526.6	461.5	331.4	233.8	224.5
95°	118.1	271.2	424.4	462.6	821.4	1299.9	1539.1	1373.5	1042.1	793.5	765.3
97.5°	204.2	339.3	474.4	508.2	1106.5	1904.3	2303.2	2198.5	1989.1	1832.0	1778.4
100°	270.7	393.1	515.6	546.2	1210.2	2095.5	2538.3	2546.0	2561.2	2572.7	2508.9
102.5°	327.3	441.5	555.8	584.4	1257.8	2155.8	2604.7	2738.1	3004.9	3205.1	3150.4
105°	423.3	520.0	616.8	641.0	1293.1	2162.6	2597.3	2896.5	3494.7	3943.3	3913.9
107.5°	521.7	611.9	702.1	724.7	1299.6	2066.3	2449.6	2866.9	3701.3	4327.2	4334.3
110°	588.1	669.6	751.0	771.4	1289.8	1981.0	2326.6	2793.0	3725.9	4425.6	4456.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	653.3	731.0	808.6	828.0	1290.3	1906.5	2214.7	2692.1	3646.8	4362.9	4409.9
115°	751.7	823.4	895.0	912.9	1302.1	1821.0	2080.6	2540.4	3460.2	4150.0	4215.2
117.5°	848.9	914.0	979.1	995.4	1326.4	1767.6	1988.3	2403.3	3233.4	3856.0	3928.2
120°	905.5	966.8	1028.1	1043.4	1346.1	1749.7	1951.4	2330.6	3089.0	3657.9	3728.2
122.5°	961.0	1022.8	1084.5	1100.0	1374.4	1740.2	1923.1	2264.5	2947.5	3459.8	3529.1
125°	1045.9	1102.2	1158.5	1172.6	1412.4	1732.4	1892.3	2182.4	2762.6	3197.7	3261.5
127.5°	1114.7	1171.6	1228.5	1242.7	1450.6	1727.9	1866.5	2115.6	2613.7	2987.3	3041.1
130°	1151.6	1212.9	1274.1	1289.4	1478.5	1730.6	1856.6	2078.4	2521.9	2854.5	2904.3
132.5°	1189.8	1251.0	1312.3	1327.6	1501.0	1732.3	1848.0	2046.4	2443.5	2741.3	2785.8
135°	1246.4	1302.1	1357.9	1371.8	1525.6	1730.7	1833.3	1999.5	2331.9	2581.2	2619.7
137.5°	1304.2	1359.4	1414.6	1428.4	1562.5	1741.4	1830.8	1971.3	2252.4	2463.2	2494.7
140°	1352.2	1403.1	1453.9	1466.6	1585.1	1743.1	1822.1	1943.5	2186.4	2368.5	2397.9
142.5°	1389.1	1436.1	1483.1	1494.9	1603.9	1749.4	1822.1	1928.8	2142.1	2302.0	2327.3
145°	1445.7	1486.7	1527.7	1538.0	1628.6	1749.5	1809.9	1897.1	2071.5	2202.3	2221.5
147.5°	1502.3	1542.2	1582.1	1592.1	1664.7	1761.5	1809.9	1878.5	2015.8	2118.7	2134.6
150°	1539.1	1575.2	1611.3	1620.4	1683.6	1767.8	1809.9	1867.9	1983.7	2070.7	2083.5
152.5°	1577.3	1604.6	1632.0	1638.8	1695.8	1771.8	1809.9	1859.4	1958.3	2032.5	2042.2
155°	1633.9	1654.1	1674.4	1679.5	1722.9	1780.9	1809.9	1849.2	1927.9	1987.0	1993.4
157.5°	1675.7	1695.4	1715.1	1720.1	1750.1	1790.0	1809.9	1840.5	1901.7	1947.6	1952.2
160°	1704.0	1719.4	1734.7	1738.5	1762.3	1794.0	1809.9	1836.1	1888.6	1927.9	1930.5
162.5°	1732.3	1743.7	1755.3	1758.1	1775.4	1798.4	1809.9	1832.0	1876.3	1909.5	1912.0
165°	1763.1	1773.4	1783.9	1786.4	1794.2	1804.7	1809.9	1825.8	1857.4	1881.2	1883.8
167.5°	1791.4	1796.3	1801.2	1802.5	1809.0	1817.8	1822.1	1832.6	1853.4	1869.0	1870.0
170°	1809.9	1814.8	1819.8	1820.9	1821.3	1821.8	1822.1	1832.6	1853.4	1869.0	1869.0
172.5°	1819.7	1820.7	1821.8	1822.1	1822.1	1822.1	1822.1	1830.3	1846.8	1859.1	1858.1
175°	1833.3	1833.3	1833.3	1833.3	1829.5	1824.6	1822.1	1827.4	1837.7	1845.5	1845.5
177.5°	1833.3	1833.3	1833.3	1833.3	1830.4	1826.6	1824.6	1828.7	1836.9	1843.0	1841.9
180°	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	4236.5	4224.8	4236.5	4228.7	4232.6	4220.9	4185.7	4173.9	4185.7	4197.4	4197.4
5°	4287.3	4279.5	4287.3	4287.3	4283.4	4275.6	4236.5	4228.7	4236.5	4240.4	4232.6
7.5°	4302.9	4291.3	4302.9	4295.1	4295.1	4287.3	4248.3	4240.4	4244.3	4256.1	4244.3
10°	4302.9	4291.3	4302.9	4299.1	4295.1	4287.3	4248.3	4232.6	4232.6	4244.3	4232.6
12.5°	4283.4	4275.6	4283.4	4275.6	4275.6	4267.8	4228.7	4213.1	4216.9	4220.9	4205.3
15°	4252.1	4240.4	4252.1	4244.3	4248.3	4236.5	4193.6	4177.9	4177.9	4185.7	4158.4
17.5°	4205.3	4189.6	4205.3	4201.3	4197.4	4189.6	4150.6	4134.9	4130.9	4134.9	4115.4
20°	4150.6	4138.8	4150.6	4146.6	4146.6	4130.9	4091.9	4072.4	4072.4	4072.4	4052.9
22.5°	4064.6	4052.9	4064.6	4072.4	4072.4	4068.4	4033.2	4005.9	3998.1	3998.1	3974.7
25°	3966.9	3955.1	3966.9	3966.9	3962.9	3966.9	3955.1	3939.5	3927.7	3916.0	3892.6
27.5°	3873.0	3865.2	3873.0	3865.2	3873.0	3861.3	3857.4	3853.5	3837.9	3826.2	3794.9
30°	3779.2	3771.4	3779.2	3771.4	3763.7	3755.8	3736.2	3728.5	3744.0	3736.2	3685.5
32.5°	3662.0	3654.2	3662.0	3662.0	3654.2	3654.2	3623.0	3611.2	3615.1	3638.5	3591.6
35°	3540.8	3529.1	3540.8	3537.0	3540.8	3529.1	3509.6	3505.6	3490.0	3517.4	3482.3
37.5°	3400.1	3388.4	3400.1	3400.1	3400.1	3408.0	3392.3	3380.6	3357.1	3392.3	3365.0
40°	3255.6	3239.9	3255.6	3251.6	3255.6	3263.4	3255.6	3247.7	3224.3	3251.6	3228.2
42.5°	3091.4	3087.5	3091.4	3095.3	3095.3	3110.9	3122.7	3107.0	3099.2	3079.7	3095.3
45°	2915.5	2907.7	2915.5	2923.4	2927.2	2935.0	2970.2	2970.2	2958.5	2927.2	2950.7
47.5°	2728.0	2708.4	2728.0	2751.4	2751.4	2763.1	2798.3	2825.7	2806.1	2767.0	2778.7
50°	2528.6	2532.5	2528.6	2544.3	2544.3	2587.3	2614.6	2642.0	2661.5	2614.6	2559.9
52.5°	2333.2	2329.3	2333.2	2344.9	2360.6	2380.1	2427.0	2454.4	2485.6	2458.3	2372.3
55°	2137.7	2145.6	2137.7	2141.7	2149.5	2161.2	2231.6	2258.9	2317.6	2282.4	2192.5
57.5°	1942.4	1930.7	1942.4	1950.2	1954.2	1965.8	2024.5	2075.2	2110.4	2114.4	2004.9
60°	1715.7	1700.1	1715.7	1750.8	1758.7	1766.5	1821.2	1868.2	1899.4	1911.2	1797.8
62.5°	1516.4	1489.1	1516.4	1539.8	1555.5	1575.0	1614.1	1684.5	1711.8	1715.7	1555.5
65°	1305.4	1293.6	1305.4	1352.2	1356.1	1379.6	1422.6	1473.4	1532.0	1524.2	1293.6
67.5°	1113.9	1113.9	1113.9	1145.1	1168.5	1180.2	1235.0	1258.4	1332.7	1340.6	1078.7
70°	938.0	934.0	938.0	961.4	977.0	1004.4	1055.2	1082.5	1141.2	1160.7	875.5
72.5°	770.0	766.0	770.0	789.5	805.1	828.5	871.5	902.8	953.6	977.0	680.0
75°	621.4	613.6	621.4	637.1	633.1	664.4	699.6	730.8	777.8	793.3	504.1
77.5°	476.8	476.8	476.8	492.4	492.4	523.7	539.3	578.4	605.8	629.3	371.3
80°	355.7	351.7	355.7	359.6	359.6	375.2	402.6	429.9	453.4	453.4	254.0
82.5°	250.1	242.3	250.1	250.1	250.1	257.9	273.6	281.4	297.0	308.7	160.2
85°	156.3	156.3	156.3	160.2	156.3	164.2	168.0	175.9	175.9	168.0	97.7
87.5°	101.7	97.7	101.7	97.7	97.7	93.8	93.8	93.8	89.9	86.0	54.7
90°	46.7	46.7	46.7	46.7	46.7	62.3	83.1	93.5	80.4	54.1	34.4
92.5°	187.2	150.1	187.2	224.5	233.8	331.4	461.5	526.6	462.3	333.9	237.4
95°	652.7	540.1	652.7	765.3	793.5	1042.1	1373.5	1539.1	1299.9	821.4	462.6
97.5°	1564.1	1349.7	1564.1	1778.4	1832.0	1989.1	2198.5	2303.2	1904.3	1106.5	508.2
100°	2253.5	1998.1	2253.5	2508.9	2572.7	2561.2	2546.0	2538.3	2095.5	1210.2	546.2
102.5°	2931.7	2713.0	2931.7	3150.4	3205.1	3004.9	2738.1	2604.7	2155.8	1257.8	584.4
105°	3796.3	3678.8	3796.3	3913.9	3943.3	3494.7	2896.5	2597.3	2162.6	1293.1	641.0
107.5°	4362.8	4391.2	4362.8	4334.3	4327.2	3701.3	2866.9	2449.6	2066.3	1299.6	724.7
110°	4578.7	4701.2	4578.7	4456.2	4425.6	3725.9	2793.0	2326.6	1981.0	1289.8	771.4





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4598.0	4786.1	4598.0	4409.9	4362.9	3646.8	2692.1	2214.7	1906.5	1290.3	828.0
115°	4476.0	4736.8	4476.0	4215.2	4150.0	3460.2	2540.4	2080.6	1821.0	1302.1	912.9
117.5°	4217.5	4506.8	4217.5	3928.2	3856.0	3233.4	2403.3	1988.3	1767.6	1326.4	995.4
120°	4009.2	4290.3	4009.2	3728.2	3657.9	3089.0	2330.6	1951.4	1749.7	1346.1	1043.4
122.5°	3806.3	4083.5	3806.3	3529.1	3459.8	2947.5	2264.5	1923.1	1740.2	1374.4	1100.0
125°	3516.9	3772.2	3516.9	3261.5	3197.7	2762.6	2182.4	1892.3	1732.4	1412.4	1172.6
127.5°	3256.7	3472.1	3256.7	3041.1	2987.3	2613.7	2115.6	1866.5	1727.9	1450.6	1242.7
130°	3103.2	3302.3	3103.2	2904.3	2854.5	2521.9	2078.4	1856.6	1730.6	1478.5	1289.4
132.5°	2964.1	3142.4	2964.1	2785.8	2741.3	2443.5	2046.4	1848.0	1732.3	1501.0	1327.6
135°	2773.3	2927.0	2773.3	2619.7	2581.2	2331.9	1999.5	1833.3	1730.7	1525.6	1371.8
137.5°	2620.4	2746.2	2620.4	2494.7	2463.2	2252.4	1971.3	1830.8	1741.4	1562.5	1428.4
140°	2515.5	2633.0	2515.5	2397.9	2368.5	2186.4	1943.5	1822.1	1743.1	1585.1	1466.6
142.5°	2428.4	2529.6	2428.4	2327.3	2302.0	2142.1	1928.8	1822.1	1749.4	1603.9	1494.9
145°	2298.1	2374.6	2298.1	2221.5	2202.3	2071.5	1897.1	1809.9	1749.5	1628.6	1538.0
147.5°	2198.0	2261.4	2198.0	2134.6	2118.7	2015.8	1878.5	1809.9	1761.5	1664.7	1592.1
150°	2135.0	2186.4	2135.0	2083.5	2070.7	1983.7	1867.9	1809.9	1767.8	1683.6	1620.4
152.5°	2081.1	2119.9	2081.1	2042.2	2032.5	1958.3	1859.4	1809.9	1771.8	1695.8	1638.8
155°	2019.1	2044.9	2019.1	1993.4	1987.0	1927.9	1849.2	1809.9	1780.9	1722.9	1679.5
157.5°	1970.2	1988.3	1970.2	1952.2	1947.6	1901.7	1840.5	1809.9	1790.0	1750.1	1720.1
160°	1940.9	1951.4	1940.9	1930.5	1927.9	1888.6	1836.1	1809.9	1794.0	1762.3	1738.5
162.5°	1921.8	1931.7	1921.8	1912.0	1909.5	1876.3	1832.0	1809.9	1798.4	1775.4	1758.1
165°	1894.2	1904.6	1894.2	1883.8	1881.2	1857.4	1825.8	1809.9	1804.7	1794.2	1786.4
167.5°	1874.4	1878.7	1874.4	1870.0	1869.0	1853.4	1832.6	1822.1	1817.8	1809.0	1802.5
170°	1869.0	1869.0	1869.0	1869.0	1869.0	1853.4	1832.6	1822.1	1821.8	1821.3	1820.9
172.5°	1854.3	1850.4	1854.3	1858.1	1859.1	1846.8	1830.3	1822.1	1822.1	1822.1	1822.1
175°	1845.5	1845.5	1845.5	1845.5	1845.5	1837.7	1827.4	1822.1	1824.6	1829.5	1833.3
177.5°	1837.6	1833.3	1837.6	1841.9	1843.0	1836.9	1828.7	1824.6	1826.6	1830.4	1833.3
180°	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3



TEST NUMBER: P935278

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	4189.6	4166.1	4166.1	4127.1	4111.4	4099.7	4080.2	4021.6	4005.9	3990.2	4013.7
5°	4224.8	4181.8	4150.6	4080.2	4021.6	3998.1	3923.9	3783.2	3689.3	3619.0	3580.0
7.5°	4232.6	4177.9	4119.2	4009.9	3869.2	3806.7	3580.0	3322.0	3251.6	3189.1	3150.0
10°	4224.8	4162.3	4080.2	3916.0	3583.8	3474.4	3247.7	3079.7	3036.7	3024.9	3036.7
12.5°	4197.4	4138.8	4025.4	3751.9	3286.8	3212.6	3079.7	2982.0	2974.2	2993.7	3099.2
15°	4150.6	4095.8	3962.9	3533.0	3122.7	3067.9	2974.2	2939.0	2982.0	3118.7	3435.3
17.5°	4103.6	4041.1	3877.0	3318.1	2997.6	2958.5	2892.0	2962.4	3204.7	3388.4	3494.0
20°	4041.1	3966.9	3779.2	3161.7	2907.7	2872.5	2841.3	3157.9	3341.6	3408.0	3466.6
22.5°	3966.9	3888.7	3646.3	3052.4	2813.9	2786.5	2806.1	3267.3	3341.6	3388.4	3439.3
25°	3869.2	3802.7	3490.0	2966.4	2739.7	2708.4	2782.7	3255.6	3298.6	3310.3	3411.9
27.5°	3779.2	3693.3	3325.9	2888.2	2649.8	2638.0	2802.2	3204.7	3236.1	3247.7	3357.1
30°	3669.8	3540.8	3142.2	2806.1	2556.0	2552.1	2806.1	3142.2	3134.4	3165.7	3275.1
32.5°	3556.5	3314.1	2935.0	2704.5	2466.1	2462.1	2778.7	3048.4	3040.6	3083.6	3165.7
35°	3451.0	3138.3	2653.7	2587.3	2352.8	2356.6	2712.3	2939.0	2942.9	2982.0	3032.7
37.5°	3341.6	2985.9	2344.9	2458.3	2243.3	2243.3	2622.4	2837.4	2829.5	2841.3	2911.7
40°	3212.6	2747.5	2071.4	2290.2	2141.7	2130.0	2513.0	2728.0	2700.6	2696.7	2794.4
42.5°	3075.7	2485.6	1868.2	2067.4	2024.5	2008.8	2380.1	2595.1	2544.3	2556.0	2681.0
45°	2927.2	2415.3	1711.8	1747.0	1903.3	1891.5	2235.5	2442.6	2407.4	2438.8	2567.7
47.5°	2778.7	2274.6	1661.0	1449.9	1774.3	1770.5	2075.2	2294.1	2274.6	2305.9	2442.6
50°	2575.5	2118.2	1657.1	1242.9	1629.8	1645.3	1883.8	2149.5	2149.5	2176.9	2321.4
52.5°	2313.6	1926.7	1504.6	1125.5	1461.6	1508.6	1715.7	2024.5	2032.2	2059.7	2188.6
55°	2075.2	1727.5	1395.2	1035.7	1262.4	1363.9	1551.6	1895.5	1911.2	1938.5	2055.7
57.5°	1856.4	1438.2	1371.8	930.2	1078.7	1176.4	1406.9	1770.5	1778.3	1801.7	1915.0
60°	1621.9	1039.5	1258.4	816.8	918.5	992.7	1274.1	1621.9	1649.3	1664.9	1762.6
62.5°	1356.1	754.3	1141.2	738.6	840.3	855.9	1164.7	1481.2	1516.4	1528.1	1586.8
65°	965.3	633.1	969.2	672.3	758.2	762.1	1047.4	1336.6	1367.9	1387.4	1430.4
67.5°	652.6	515.9	738.6	609.6	695.6	699.6	934.0	1168.5	1211.5	1227.2	1254.6
70°	453.4	343.9	547.1	543.3	625.3	633.1	813.0	1016.2	1055.2	1067.0	1082.5
72.5°	332.2	277.5	453.4	488.6	551.1	558.9	687.8	844.2	883.3	895.0	902.8
75°	254.0	293.1	367.4	426.0	468.9	472.9	562.8	687.8	715.2	723.0	726.9
77.5°	203.2	273.6	269.7	343.9	383.0	375.2	441.6	531.6	554.9	554.9	554.9
80°	152.4	214.9	203.2	246.2	281.4	273.6	316.6	379.1	386.9	394.7	390.9
82.5°	113.3	136.8	136.8	156.3	187.6	179.7	211.0	246.2	246.2	246.2	254.0
85°	70.3	78.2	62.5	82.0	105.5	101.7	117.2	132.9	136.8	136.8	129.0
87.5°	43.0	35.2	19.5	31.3	46.9	46.9	54.7	58.7	54.7	54.7	54.7
90°	31.9	22.2	12.3	22.2	31.9	34.4	54.1	80.4	93.5	83.1	62.3
92.5°	216.5	132.8	49.2	132.8	216.5	237.4	333.9	462.3	526.6	461.5	331.4
95°	424.4	271.2	118.1	271.2	424.4	462.6	821.4	1299.9	1539.1	1373.5	1042.1
97.5°	474.4	339.3	204.2	339.3	474.4	508.2	1106.5	1904.3	2303.2	2198.5	1989.1
100°	515.6	393.1	270.7	393.1	515.6	546.2	1210.2	2095.5	2538.3	2546.0	2561.2
102.5°	555.8	441.5	327.3	441.5	555.8	584.4	1257.8	2155.8	2604.7	2738.1	3004.9
105°	616.8	520.0	423.3	520.0	616.8	641.0	1293.1	2162.6	2597.3	2896.5	3494.7
107.5°	702.1	611.9	521.7	611.9	702.1	724.7	1299.6	2066.3	2449.6	2866.9	3701.3
110°	751.0	669.6	588.1	669.6	751.0	771.4	1289.8	1981.0	2326.6	2793.0	3725.9



TEST NUMBER: P935278

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	808.6	731.0	653.3	731.0	808.6	828.0	1290.3	1906.5	2214.7	2692.1	3646.8
115°	895.0	823.4	751.7	823.4	895.0	912.9	1302.1	1821.0	2080.6	2540.4	3460.2
117.5°	979.1	914.0	848.9	914.0	979.1	995.4	1326.4	1767.6	1988.3	2403.3	3233.4
120°	1028.1	966.8	905.5	966.8	1028.1	1043.4	1346.1	1749.7	1951.4	2330.6	3089.0
122.5°	1084.5	1022.8	961.0	1022.8	1084.5	1100.0	1374.4	1740.2	1923.1	2264.5	2947.5
125°	1158.5	1102.2	1045.9	1102.2	1158.5	1172.6	1412.4	1732.4	1892.3	2182.4	2762.6
127.5°	1228.5	1171.6	1114.7	1171.6	1228.5	1242.7	1450.6	1727.9	1866.5	2115.6	2613.7
130°	1274.1	1212.9	1151.6	1212.9	1274.1	1289.4	1478.5	1730.6	1856.6	2078.4	2521.9
132.5°	1312.3	1251.0	1189.8	1251.0	1312.3	1327.6	1501.0	1732.3	1848.0	2046.4	2443.5
135°	1357.9	1302.1	1246.4	1302.1	1357.9	1371.8	1525.6	1730.7	1833.3	1999.5	2331.9
137.5°	1414.6	1359.4	1304.2	1359.4	1414.6	1428.4	1562.5	1741.4	1830.8	1971.3	2252.4
140°	1453.9	1403.1	1352.2	1403.1	1453.9	1466.6	1585.1	1743.1	1822.1	1943.5	2186.4
142.5°	1483.1	1436.1	1389.1	1436.1	1483.1	1494.9	1603.9	1749.4	1822.1	1928.8	2142.1
145°	1527.7	1486.7	1445.7	1486.7	1527.7	1538.0	1628.6	1749.5	1809.9	1897.1	2071.5
147.5°	1582.1	1542.2	1502.3	1542.2	1582.1	1592.1	1664.7	1761.5	1809.9	1878.5	2015.8
150°	1611.3	1575.2	1539.1	1575.2	1611.3	1620.4	1683.6	1767.8	1809.9	1867.9	1983.7
152.5°	1632.0	1604.6	1577.3	1604.6	1632.0	1638.8	1695.8	1771.8	1809.9	1859.4	1958.3
155°	1674.4	1654.1	1633.9	1654.1	1674.4	1679.5	1722.9	1780.9	1809.9	1849.2	1927.9
157.5°	1715.1	1695.4	1675.7	1695.4	1715.1	1720.1	1750.1	1790.0	1809.9	1840.5	1901.7
160°	1734.7	1719.4	1704.0	1719.4	1734.7	1738.5	1762.3	1794.0	1809.9	1836.1	1888.6
162.5°	1755.3	1743.7	1732.3	1743.7	1755.3	1758.1	1775.4	1798.4	1809.9	1832.0	1876.3
165°	1783.9	1773.4	1763.1	1773.4	1783.9	1786.4	1794.2	1804.7	1809.9	1825.8	1857.4
167.5°	1801.2	1796.3	1791.4	1796.3	1801.2	1802.5	1809.0	1817.8	1822.1	1832.6	1853.4
170°	1819.8	1814.8	1809.9	1814.8	1819.8	1820.9	1821.3	1821.8	1822.1	1832.6	1853.4
172.5°	1821.8	1820.7	1819.7	1820.7	1821.8	1822.1	1822.1	1822.1	1822.1	1830.3	1846.8
175°	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1829.5	1824.6	1822.1	1827.4	1837.7
177.5°	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1830.4	1826.6	1824.6	1828.7	1836.9
180°	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3



TEST NUMBER: P935278  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	3986.4	3974.7	3990.2	3947.3	3990.2	3974.7	3986.4	4013.7	3990.2	4005.9	4021.6
5°	3497.8	3478.3	3415.8	3365.0	3415.8	3478.3	3497.8	3580.0	3619.0	3689.3	3783.2
7.5°	3126.6	3110.9	3095.3	3064.0	3095.3	3110.9	3126.6	3150.0	3189.1	3251.6	3322.0
10°	3044.5	3048.4	3071.9	3067.9	3071.9	3048.4	3044.5	3036.7	3024.9	3036.7	3079.7
12.5°	3255.6	3290.7	3419.6	3411.9	3419.6	3290.7	3255.6	3099.2	2993.7	2974.2	2982.0
15°	3497.8	3509.6	3537.0	3540.8	3537.0	3509.6	3497.8	3435.3	3118.7	2982.0	2939.0
17.5°	3521.3	3525.2	3544.8	3544.8	3544.8	3525.2	3521.3	3494.0	3388.4	3204.7	2962.4
20°	3501.8	3509.6	3548.6	3556.5	3548.6	3509.6	3501.8	3466.6	3408.0	3341.6	3157.9
22.5°	3494.0	3509.6	3540.8	3537.0	3540.8	3509.6	3494.0	3439.3	3388.4	3341.6	3267.3
25°	3454.8	3454.8	3458.8	3462.6	3458.8	3454.8	3454.8	3411.9	3310.3	3298.6	3255.6
27.5°	3372.8	3380.6	3404.1	3400.1	3404.1	3380.6	3372.8	3357.1	3247.7	3236.1	3204.7
30°	3298.6	3290.7	3271.2	3255.6	3271.2	3290.7	3298.6	3275.1	3165.7	3134.4	3142.2
32.5°	3173.4	3153.9	3134.4	3122.7	3134.4	3153.9	3173.4	3165.7	3083.6	3040.6	3048.4
35°	3024.9	3028.9	3024.9	3013.2	3024.9	3028.9	3024.9	3032.7	2982.0	2942.9	2939.0
37.5°	2919.4	2927.2	2923.4	2907.7	2923.4	2927.2	2919.4	2911.7	2841.3	2829.5	2837.4
40°	2810.0	2813.9	2810.0	2798.3	2810.0	2813.9	2810.0	2794.4	2696.7	2700.6	2728.0
42.5°	2704.5	2700.6	2688.8	2681.0	2688.8	2700.6	2704.5	2681.0	2556.0	2544.3	2595.1
45°	2583.3	2587.3	2563.8	2552.1	2563.8	2587.3	2583.3	2567.7	2438.8	2407.4	2442.6
47.5°	2462.1	2462.1	2442.6	2430.9	2442.6	2462.1	2462.1	2442.6	2305.9	2274.6	2294.1
50°	2333.2	2329.3	2301.9	2298.1	2301.9	2329.3	2333.2	2321.4	2176.9	2149.5	2149.5
52.5°	2184.7	2184.7	2188.6	2196.4	2188.6	2184.7	2184.7	2188.6	2059.7	2032.2	2024.5
55°	2055.7	2059.7	2087.0	2094.8	2087.0	2059.7	2055.7	2055.7	1938.5	1911.2	1895.5
57.5°	1922.8	1922.8	1942.4	1942.4	1942.4	1922.8	1922.8	1915.0	1801.7	1778.3	1770.5
60°	1770.5	1778.3	1793.8	1790.0	1793.8	1778.3	1770.5	1762.6	1664.9	1649.3	1621.9
62.5°	1610.1	1618.0	1621.9	1614.1	1621.9	1618.0	1610.1	1586.8	1528.1	1516.4	1481.2
65°	1442.1	1449.9	1453.9	1446.1	1453.9	1449.9	1442.1	1430.4	1387.4	1367.9	1336.6
67.5°	1270.2	1266.2	1262.4	1278.0	1262.4	1266.2	1270.2	1254.6	1227.2	1211.5	1168.5
70°	1094.3	1094.3	1090.4	1098.2	1090.4	1094.3	1094.3	1082.5	1067.0	1055.2	1016.2
72.5°	906.7	902.8	918.5	906.7	918.5	902.8	906.7	902.8	895.0	883.3	844.2
75°	723.0	730.8	723.0	734.8	723.0	730.8	723.0	726.9	723.0	715.2	687.8
77.5°	551.1	558.9	551.1	551.1	551.1	558.9	551.1	554.9	554.9	554.9	531.6
80°	390.9	386.9	386.9	383.0	386.9	386.9	390.9	390.9	394.7	386.9	379.1
82.5°	250.1	246.2	246.2	254.0	246.2	246.2	250.1	254.0	246.2	246.2	246.2
85°	136.8	140.7	132.9	132.9	132.9	140.7	136.8	129.0	136.8	136.8	132.9
87.5°	50.8	46.9	46.9	46.9	46.9	46.9	50.8	54.7	54.7	54.7	58.7
90°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	62.3	83.1	93.5	80.4
92.5°	233.8	224.5	187.2	150.1	187.2	224.5	233.8	331.4	461.5	526.6	462.3
95°	793.5	765.3	652.7	540.1	652.7	765.3	793.5	1042.1	1373.5	1539.1	1299.9
97.5°	1832.0	1778.4	1564.1	1349.7	1564.1	1778.4	1832.0	1989.1	2198.5	2303.2	1904.3
100°	2572.7	2508.9	2253.5	1998.1	2253.5	2508.9	2572.7	2561.2	2546.0	2538.3	2095.5
102.5°	3205.1	3150.4	2931.7	2713.0	2931.7	3150.4	3205.1	3004.9	2738.1	2604.7	2155.8
105°	3943.3	3913.9	3796.3	3678.8	3796.3	3913.9	3943.3	3494.7	2896.5	2597.3	2162.6
107.5°	4327.2	4334.3	4362.8	4391.2	4362.8	4334.3	4327.2	3701.3	2866.9	2449.6	2066.3
110°	4425.6	4456.2	4578.7	4701.2	4578.7	4456.2	4425.6	3725.9	2793.0	2326.6	1981.0



TEST NUMBER: P935278

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4362.9	4409.9	4598.0	4786.1	4598.0	4409.9	4362.9	3646.8	2692.1	2214.7	1906.5
115°	4150.0	4215.2	4476.0	4736.8	4476.0	4215.2	4150.0	3460.2	2540.4	2080.6	1821.0
117.5°	3856.0	3928.2	4217.5	4506.8	4217.5	3928.2	3856.0	3233.4	2403.3	1988.3	1767.6
120°	3657.9	3728.2	4009.2	4290.3	4009.2	3728.2	3657.9	3089.0	2330.6	1951.4	1749.7
122.5°	3459.8	3529.1	3806.3	4083.5	3806.3	3529.1	3459.8	2947.5	2264.5	1923.1	1740.2
125°	3197.7	3261.5	3516.9	3772.2	3516.9	3261.5	3197.7	2762.6	2182.4	1892.3	1732.4
127.5°	2987.3	3041.1	3256.7	3472.1	3256.7	3041.1	2987.3	2613.7	2115.6	1866.5	1727.9
130°	2854.5	2904.3	3103.2	3302.3	3103.2	2904.3	2854.5	2521.9	2078.4	1856.6	1730.6
132.5°	2741.3	2785.8	2964.1	3142.4	2964.1	2785.8	2741.3	2443.5	2046.4	1848.0	1732.3
135°	2581.2	2619.7	2773.3	2927.0	2773.3	2619.7	2581.2	2331.9	1999.5	1833.3	1730.7
137.5°	2463.2	2494.7	2620.4	2746.2	2620.4	2494.7	2463.2	2252.4	1971.3	1830.8	1741.4
140°	2368.5	2397.9	2515.5	2633.0	2515.5	2397.9	2368.5	2186.4	1943.5	1822.1	1743.1
142.5°	2302.0	2327.3	2428.4	2529.6	2428.4	2327.3	2302.0	2142.1	1928.8	1822.1	1749.4
145°	2202.3	2221.5	2298.1	2374.6	2298.1	2221.5	2202.3	2071.5	1897.1	1809.9	1749.5
147.5°	2118.7	2134.6	2198.0	2261.4	2198.0	2134.6	2118.7	2015.8	1878.5	1809.9	1761.5
150°	2070.7	2083.5	2135.0	2186.4	2135.0	2083.5	2070.7	1983.7	1867.9	1809.9	1767.8
152.5°	2032.5	2042.2	2081.1	2119.9	2081.1	2042.2	2032.5	1958.3	1859.4	1809.9	1771.8
155°	1987.0	1993.4	2019.1	2044.9	2019.1	1993.4	1987.0	1927.9	1849.2	1809.9	1780.9
157.5°	1947.6	1952.2	1970.2	1988.3	1970.2	1952.2	1947.6	1901.7	1840.5	1809.9	1790.0
160°	1927.9	1930.5	1940.9	1951.4	1940.9	1930.5	1927.9	1888.6	1836.1	1809.9	1794.0
162.5°	1909.5	1912.0	1921.8	1931.7	1921.8	1912.0	1909.5	1876.3	1832.0	1809.9	1798.4
165°	1881.2	1883.8	1894.2	1904.6	1894.2	1883.8	1881.2	1857.4	1825.8	1809.9	1804.7
167.5°	1869.0	1870.0	1874.4	1878.7	1874.4	1870.0	1869.0	1853.4	1832.6	1822.1	1817.8
170°	1869.0	1869.0	1869.0	1869.0	1869.0	1869.0	1869.0	1853.4	1832.6	1822.1	1821.8
172.5°	1859.1	1858.1	1854.3	1850.4	1854.3	1858.1	1859.1	1846.8	1830.3	1822.1	1822.1
175°	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5	1845.5	1837.7	1827.4	1822.1	1824.6
177.5°	1843.0	1841.9	1837.6	1833.3	1837.6	1841.9	1843.0	1836.9	1828.7	1824.6	1826.6
180°	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3	1833.3



TEST NUMBER: P935278

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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4130.9	4130.9	4130.9	4130.9	4130.9
2.5°	4080.2	4099.7	4111.4	4127.1	4166.1
5°	3923.9	3998.1	4021.6	4080.2	4150.6
7.5°	3580.0	3806.7	3869.2	4009.9	4119.2
10°	3247.7	3474.4	3583.8	3916.0	4080.2
12.5°	3079.7	3212.6	3286.8	3751.9	4025.4
15°	2974.2	3067.9	3122.7	3533.0	3962.9
17.5°	2892.0	2958.5	2997.6	3318.1	3877.0
20°	2841.3	2872.5	2907.7	3161.7	3779.2
22.5°	2806.1	2786.5	2813.9	3052.4	3646.3
25°	2782.7	2708.4	2739.7	2966.4	3490.0
27.5°	2802.2	2638.0	2649.8	2888.2	3325.9
30°	2806.1	2552.1	2556.0	2806.1	3142.2
32.5°	2778.7	2462.1	2466.1	2704.5	2935.0
35°	2712.3	2356.6	2352.8	2587.3	2653.7
37.5°	2622.4	2243.3	2243.3	2458.3	2344.9
40°	2513.0	2130.0	2141.7	2290.2	2071.4
42.5°	2380.1	2008.8	2024.5	2067.4	1868.2
45°	2235.5	1891.5	1903.3	1747.0	1711.8
47.5°	2075.2	1770.5	1774.3	1449.9	1661.0
50°	1883.8	1645.3	1629.8	1242.9	1657.1
52.5°	1715.7	1508.6	1461.6	1125.5	1504.6
55°	1551.6	1363.9	1262.4	1035.7	1395.2
57.5°	1406.9	1176.4	1078.7	930.2	1371.8
60°	1274.1	992.7	918.5	816.8	1258.4
62.5°	1164.7	855.9	840.3	738.6	1141.2
65°	1047.4	762.1	758.2	672.3	969.2
67.5°	934.0	699.6	695.6	609.6	738.6
70°	813.0	633.1	625.3	543.3	547.1
72.5°	687.8	558.9	551.1	488.6	453.4
75°	562.8	472.9	468.9	426.0	367.4
77.5°	441.6	375.2	383.0	343.9	269.7
80°	316.6	273.6	281.4	246.2	203.2
82.5°	211.0	179.7	187.6	156.3	136.8
85°	117.2	101.7	105.5	82.0	62.5
87.5°	54.7	46.9	46.9	31.3	19.5
90°	54.1	34.4	31.9	22.2	12.3
92.5°	333.9	237.4	216.5	132.8	49.2
95°	821.4	462.6	424.4	271.2	118.1
97.5°	1106.5	508.2	474.4	339.3	204.2
100°	1210.2	546.2	515.6	393.1	270.7
102.5°	1257.8	584.4	555.8	441.5	327.3
105°	1293.1	641.0	616.8	520.0	423.3
107.5°	1299.6	724.7	702.1	611.9	521.7
110°	1289.8	771.4	751.0	669.6	588.1



TEST NUMBER: P935278

CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1290.3	828.0	808.6	731.0	653.3
115°	1302.1	912.9	895.0	823.4	751.7
117.5°	1326.4	995.4	979.1	914.0	848.9
120°	1346.1	1043.4	1028.1	966.8	905.5
122.5°	1374.4	1100.0	1084.5	1022.8	961.0
125°	1412.4	1172.6	1158.5	1102.2	1045.9
127.5°	1450.6	1242.7	1228.5	1171.6	1114.7
130°	1478.5	1289.4	1274.1	1212.9	1151.6
132.5°	1501.0	1327.6	1312.3	1251.0	1189.8
135°	1525.6	1371.8	1357.9	1302.1	1246.4
137.5°	1562.5	1428.4	1414.6	1359.4	1304.2
140°	1585.1	1466.6	1453.9	1403.1	1352.2
142.5°	1603.9	1494.9	1483.1	1436.1	1389.1
145°	1628.6	1538.0	1527.7	1486.7	1445.7
147.5°	1664.7	1592.1	1582.1	1542.2	1502.3
150°	1683.6	1620.4	1611.3	1575.2	1539.1
152.5°	1695.8	1638.8	1632.0	1604.6	1577.3
155°	1722.9	1679.5	1674.4	1654.1	1633.9
157.5°	1750.1	1720.1	1715.1	1695.4	1675.7
160°	1762.3	1738.5	1734.7	1719.4	1704.0
162.5°	1775.4	1758.1	1755.3	1743.7	1732.3
165°	1794.2	1786.4	1783.9	1773.4	1763.1
167.5°	1809.0	1802.5	1801.2	1796.3	1791.4
170°	1821.3	1820.9	1819.8	1814.8	1809.9
172.5°	1822.1	1822.1	1821.8	1820.7	1819.7
175°	1829.5	1833.3	1833.3	1833.3	1833.3
177.5°	1830.4	1833.3	1833.3	1833.3	1833.3
180°	1833.3	1833.3	1833.3	1833.3	1833.3



TEST NUMBER: P935278  
 CATALOG NUMBER: SQ4-FA-100U-100D-B2750-1D-UNV-STD-W-12-3000K

**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	13.42	14.26	14.40	15.25	16.56	16.27	17.11	17.25	18.10	19.41
	3H	13.90	14.65	14.89	15.65	16.98	17.62	18.37	18.61	19.37	20.70
	4H	14.09	14.80	15.09	15.80	17.14	18.07	18.78	19.07	19.79	21.12
	6H	14.20	14.86	15.22	15.87	17.22	18.36	19.01	19.37	20.02	21.37
	8H	14.20	14.83	15.22	15.85	17.20	18.44	19.06	19.45	20.08	21.43
	12H	14.17	14.77	15.20	15.79	17.16	18.48	19.07	19.50	20.09	21.46
4H	2H	14.45	15.17	15.46	16.17	17.51	16.68	17.39	17.69	18.39	19.73
	3H	15.48	16.07	16.50	17.11	18.46	18.19	18.78	19.21	19.81	21.16
	4H	15.76	16.30	16.78	17.32	18.70	18.72	19.26	19.74	20.29	21.66
	6H	15.88	16.34	16.92	17.39	18.76	19.09	19.55	20.12	20.60	21.97
	8H	15.88	16.32	16.92	17.36	18.75	19.20	19.63	20.23	20.67	22.06
	12H	15.85	16.24	16.91	17.30	18.69	19.26	19.65	20.31	20.71	22.10
8H	4H	16.21	16.65	17.25	17.69	19.07	18.84	19.28	19.88	20.32	21.70
	6H	16.47	16.83	17.53	17.91	19.30	19.28	19.64	20.34	20.73	22.11
	8H	16.51	16.83	17.58	17.90	19.30	19.44	19.75	20.51	20.82	22.22
	12H	16.50	16.77	17.57	17.84	19.28	19.54	19.82	20.61	20.88	22.32
12H	4H	16.22	16.61	17.27	17.67	19.06	18.80	19.20	19.86	20.25	21.64
	6H	16.53	16.85	17.60	17.92	19.32	19.28	19.60	20.35	20.66	22.07
	8H	16.60	16.88	17.67	17.94	19.38	19.44	19.72	20.52	20.78	22.23