

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: P935373

Luminaire Tested: SQ4-FA-100U-125D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

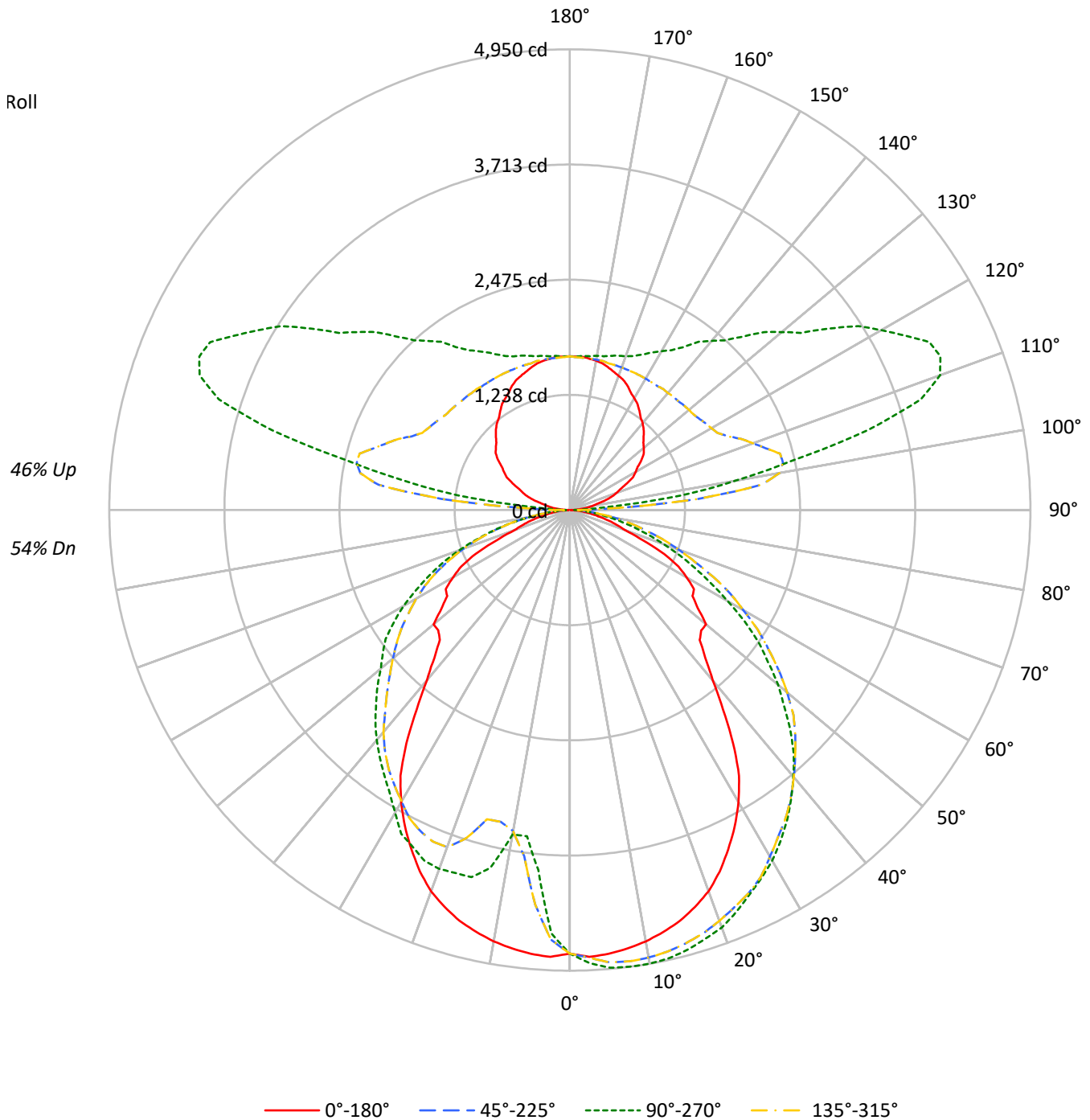
Test Method: LM-79-2019  
Report Number: P935373  
REPORT IS A COMBINATION OF REPORTS P933749 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-125D-940-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23064.0 lumens  
Efficiency: N/A  
Efficacy: 111.7 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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### 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°	14739	14739	14739	14739
5°	14854	14878	14854	11698
10°	14760	14655	14760	10478
15°	14605	14338	14605	11972
20°	14306	13962	14306	11997
25°	13686	13413	13686	11743
30°	12883	12957	12883	11185
35°	11491	12382	11491	10572
40°	9580	11703	9580	10108
45°	8566	10909	8566	9575
50°	9107	9963	9107	9040
55°	8576	8942	8576	8731
60°	8852	7595	8852	7997
65°	8039	6278	8039	7018
70°	5580	5003	5580	5882
75°	4912	3698	4912	4429
80°	3987	2445	3987	2663
85°	2336	1296	2336	1101

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13120 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	430.1	1.9
10°-20°	1221.2	5.3
20°-30°	1887.8	8.2
30°-40°	2253.6	9.8
40°-50°	2266.9	9.8
50°-60°	1972.4	8.6
60°-70°	1398.5	6.1
70°-80°	739.9	3.2
80°-90°	190.6	0.8
90°-100°	804.8	3.5
100°-110°	2115.8	9.2
110°-120°	2193.9	9.5
120°-130°	1759.8	7.6
130°-140°	1380.8	6.0
140°-150°	1059.8	4.6
150°-160°	763.2	3.3
160°-170°	467.0	2.0
170°-180°	157.8	0.7
0°-30°	3539.2	15.3
0°-40°	5792.8	25.1
0°-60°	10032.1	43.5
0°-90°	12361.1	53.6
90°-120°	5114.6	22.2
90°-150°	9315.0	40.4
90°-180°	10703.0	46.4
0°-180°	23064.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4765	4765	4765	4765	4765	
5°	4788	4936	4788	3881	4788	454
15°	4571	4891	4571	4084	4571	1286
25°	4026	4562	4026	3994	4026	1848
35°	3061	4071	3061	3476	3061	1894
45°	1974	3354	1974	2944	1974	1582
55°	1609	2475	1609	2416	1609	1479
65°	1118	1492	1118	1668	1118	1069
75°	424	708	424	848	424	446
85°	72	180	72	153	72	97
90°	11	42	11	42	11	12
95°	106	486	106	486	106	118
105°	381	3313	381	3313	381	404
115°	677	4266	677	4266	677	669
125°	942	3397	942	3397	942	836
135°	1122	2636	1122	2636	1122	868
145°	1302	2139	1302	2139	1302	816
155°	1472	1842	1472	1842	1472	676
165°	1588	1715	1588	1715	1588	448
175°	1651	1662	1651	1662	1651	157
180°	1651	1651	1651	1651	1651	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4805.6	4805.6	4832.6	4841.6	4841.6	4828.1	4814.6	4828.1	4868.6	4882.2	4877.7
5°	4787.5	4823.6	4873.2	4882.2	4891.2	4886.7	4877.7	4886.7	4931.8	4940.8	4945.3
7.5°	4751.4	4819.1	4882.2	4895.7	4909.2	4895.7	4891.2	4900.3	4945.3	4954.3	4954.3
10°	4706.4	4801.1	4873.2	4882.2	4895.7	4882.2	4882.2	4900.3	4945.3	4954.3	4958.9
12.5°	4643.3	4774.0	4841.6	4850.6	4868.6	4864.1	4859.7	4877.7	4922.7	4931.8	4931.8
15°	4571.2	4724.4	4787.5	4796.5	4828.1	4819.1	4819.1	4837.1	4886.7	4900.3	4895.7
17.5°	4472.0	4661.3	4733.4	4747.0	4769.4	4765.0	4769.4	4787.5	4832.6	4841.6	4846.1
20°	4359.3	4575.6	4661.3	4674.8	4697.3	4697.3	4697.3	4719.9	4765.0	4783.0	4783.0
22.5°	4206.0	4485.5	4575.6	4584.7	4611.7	4611.7	4620.7	4652.2	4692.8	4697.3	4697.3
25°	4025.7	4386.3	4462.9	4490.0	4517.1	4530.6	4544.1	4562.1	4575.6	4571.2	4575.6
27.5°	3836.3	4260.1	4359.3	4377.3	4413.4	4426.9	4444.9	4449.4	4453.9	4467.4	4458.5
30°	3624.5	4084.3	4233.0	4251.0	4309.6	4318.7	4300.7	4309.6	4332.2	4341.3	4350.2
32.5°	3385.5	3822.8	4102.3	4142.9	4197.0	4170.0	4165.4	4178.9	4215.0	4215.0	4224.0
35°	3060.9	3619.9	3980.5	4016.6	4057.2	4025.7	4043.7	4048.2	4070.8	4084.3	4079.7
37.5°	2704.8	3444.1	3854.4	3881.4	3913.0	3872.4	3899.5	3913.0	3931.0	3921.9	3921.9
40°	2389.3	3169.1	3705.6	3723.7	3750.6	3719.1	3746.2	3755.2	3764.2	3755.2	3750.6
42.5°	2154.8	2867.1	3547.8	3570.4	3552.4	3574.8	3583.9	3601.9	3588.4	3570.4	3570.4
45°	1974.5	2785.9	3376.5	3403.5	3376.5	3412.6	3426.1	3426.1	3385.5	3376.5	3372.0
47.5°	1915.9	2623.7	3205.2	3205.2	3191.6	3236.8	3259.3	3227.7	3187.2	3173.6	3173.6
50°	1911.4	2443.3	2970.8	2952.8	3015.8	3070.0	3047.4	3015.8	2984.3	2934.8	2934.8
52.5°	1735.6	2222.5	2668.7	2736.4	2835.6	2867.1	2831.0	2799.5	2745.3	2722.9	2704.8
55°	1609.3	1992.6	2393.8	2529.0	2632.7	2673.2	2605.7	2574.0	2493.0	2479.4	2470.4
57.5°	1582.3	1659.0	2141.3	2312.6	2438.8	2434.4	2393.8	2335.2	2267.5	2254.0	2249.5
60°	1451.6	1199.2	1870.8	2073.7	2204.5	2190.9	2154.8	2100.7	2037.6	2028.6	2019.6
62.5°	1316.4	870.1	1564.3	1794.2	1979.0	1974.5	1942.9	1861.8	1816.8	1794.2	1776.2
65°	1118.0	730.3	1113.5	1492.2	1758.2	1767.1	1699.5	1640.9	1591.3	1564.3	1559.8
67.5°	852.0	595.0	752.8	1244.2	1546.3	1537.2	1451.6	1424.5	1361.4	1347.9	1320.8
70°	631.1	396.7	522.9	1009.8	1338.8	1316.4	1248.7	1217.2	1158.6	1127.0	1108.9
72.5°	522.9	320.0	383.2	784.4	1127.0	1100.0	1041.4	1005.3	955.7	928.7	910.6
75°	423.8	338.1	293.0	581.6	915.1	897.1	843.0	806.9	766.3	730.3	734.8
77.5°	311.1	315.6	234.4	428.3	725.8	698.8	667.2	622.1	604.1	568.1	568.1
80°	234.4	247.9	175.8	293.0	522.9	522.9	495.9	464.3	432.8	414.7	414.7
82.5°	157.8	157.8	130.7	184.8	356.2	342.6	324.6	315.6	297.6	288.5	288.5
85°	72.1	90.1	81.2	112.7	193.9	202.8	202.8	193.9	189.3	180.4	184.8
87.5°	22.6	40.6	49.6	63.1	99.2	103.7	108.2	108.2	108.2	112.7	112.7
90°	11.1	20.0	28.8	31.0	48.8	72.4	84.2	74.9	56.1	42.1	42.1
92.5°	44.3	119.6	195.0	213.8	300.7	416.4	474.3	415.7	298.5	210.5	202.2
95°	106.4	244.3	382.2	416.6	739.8	1170.7	1386.2	1237.0	938.5	714.7	689.3
97.5°	183.9	305.6	427.2	457.7	996.5	1715.0	2074.3	1980.0	1791.4	1649.9	1601.7
100°	243.8	354.0	464.3	492.0	1089.9	1887.3	2286.0	2292.9	2306.7	2317.0	2259.5
102.5°	294.7	397.6	500.6	526.3	1132.8	1941.5	2345.8	2466.0	2706.3	2886.5	2837.2
105°	381.2	468.3	555.5	577.3	1164.6	1947.7	2339.2	2608.6	3147.3	3551.4	3524.9
107.5°	469.8	551.1	632.3	652.7	1170.5	1860.9	2206.1	2581.9	3333.5	3897.1	3903.5
110°	529.7	603.0	676.4	694.8	1161.6	1784.1	2095.3	2515.4	3355.6	3985.7	4013.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	588.4	658.4	728.2	745.7	1162.0	1717.0	1994.5	2424.5	3284.4	3929.2	3971.6
115°	677.0	741.6	806.0	822.2	1172.7	1640.0	1873.8	2287.9	3116.3	3737.5	3796.2
117.5°	764.6	823.2	881.8	896.4	1194.5	1591.9	1790.7	2164.4	2912.0	3472.7	3537.8
120°	815.5	870.7	925.9	939.7	1212.3	1575.8	1757.4	2099.0	2782.0	3294.3	3357.6
122.5°	865.4	921.1	976.7	990.7	1237.8	1567.2	1732.0	2039.5	2654.6	3115.9	3178.3
125°	941.9	992.6	1043.3	1056.0	1272.1	1560.2	1704.2	1965.5	2488.0	2879.9	2937.3
127.5°	1003.9	1055.1	1106.4	1119.1	1306.4	1556.1	1681.0	1905.3	2353.9	2690.4	2738.9
130°	1037.2	1092.3	1147.5	1161.2	1331.6	1558.6	1672.1	1871.8	2271.2	2570.8	2615.6
132.5°	1071.5	1126.7	1181.8	1195.6	1351.8	1560.1	1664.3	1843.0	2200.6	2468.8	2509.0
135°	1122.5	1172.7	1223.0	1235.5	1374.0	1558.7	1651.1	1800.8	2100.1	2324.7	2359.3
137.5°	1174.6	1224.3	1274.0	1286.4	1407.2	1568.3	1648.8	1775.4	2028.5	2218.4	2246.7
140°	1217.8	1263.6	1309.4	1320.8	1427.5	1569.9	1641.0	1750.3	1969.1	2133.1	2159.5
142.5°	1251.0	1293.4	1335.7	1346.3	1444.5	1575.5	1641.0	1737.1	1929.2	2073.2	2095.9
145°	1302.0	1338.9	1375.9	1385.1	1466.7	1575.6	1630.0	1708.5	1865.6	1983.4	2000.7
147.5°	1353.0	1388.9	1424.9	1433.9	1499.2	1586.4	1630.0	1691.8	1815.4	1908.1	1922.4
150°	1386.2	1418.7	1451.2	1459.3	1516.3	1592.1	1630.0	1682.2	1786.6	1864.9	1876.4
152.5°	1420.5	1445.1	1469.8	1475.9	1527.3	1595.7	1630.0	1674.6	1763.7	1830.5	1839.2
155°	1471.5	1489.7	1508.0	1512.5	1551.7	1603.9	1630.0	1665.4	1736.3	1789.5	1795.3
157.5°	1509.2	1526.9	1544.7	1549.1	1576.1	1612.1	1630.0	1657.5	1712.7	1754.1	1758.2
160°	1534.6	1548.5	1562.3	1565.7	1587.1	1615.7	1630.0	1653.6	1700.9	1736.3	1738.6
162.5°	1560.1	1570.4	1580.8	1583.4	1598.9	1619.6	1630.0	1649.9	1689.8	1719.7	1721.9
165°	1587.8	1597.2	1606.6	1608.9	1615.9	1625.3	1630.0	1644.3	1672.8	1694.2	1696.5
167.5°	1613.3	1617.8	1622.2	1623.4	1629.2	1637.1	1641.0	1650.4	1669.2	1683.2	1684.2
170°	1630.0	1634.5	1638.9	1640.0	1640.3	1640.8	1641.0	1650.4	1669.2	1683.2	1683.2
172.5°	1638.8	1639.8	1640.8	1641.0	1641.0	1641.0	1641.0	1648.4	1663.2	1674.3	1673.4
175°	1651.1	1651.1	1651.1	1651.1	1647.7	1643.2	1641.0	1645.7	1655.1	1662.1	1662.1
177.5°	1651.1	1651.1	1651.1	1651.1	1648.5	1645.0	1643.2	1647.0	1654.3	1659.8	1658.9
180°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4886.7	4873.2	4886.7	4877.7	4882.2	4868.6	4828.1	4814.6	4828.1	4841.6	4841.6
5°	4945.3	4936.3	4945.3	4945.3	4940.8	4931.8	4886.7	4877.7	4886.7	4891.2	4882.2
7.5°	4963.3	4949.8	4963.3	4954.3	4954.3	4945.3	4900.3	4891.2	4895.7	4909.2	4895.7
10°	4963.3	4949.8	4963.3	4958.9	4954.3	4945.3	4900.3	4882.2	4882.2	4895.7	4882.2
12.5°	4940.8	4931.8	4940.8	4931.8	4931.8	4922.7	4877.7	4859.7	4864.1	4868.6	4850.6
15°	4904.7	4891.2	4904.7	4895.7	4900.3	4886.7	4837.1	4819.1	4819.1	4828.1	4796.5
17.5°	4850.6	4832.6	4850.6	4846.1	4841.6	4832.6	4787.5	4769.4	4765.0	4769.4	4747.0
20°	4787.5	4774.0	4787.5	4783.0	4783.0	4765.0	4719.9	4697.3	4697.3	4697.3	4674.8
22.5°	4688.4	4674.8	4688.4	4697.3	4697.3	4692.8	4652.2	4620.7	4611.7	4611.7	4584.7
25°	4575.6	4562.1	4575.6	4575.6	4571.2	4575.6	4562.1	4544.1	4530.6	4517.1	4490.0
27.5°	4467.4	4458.5	4467.4	4458.5	4467.4	4453.9	4449.4	4444.9	4426.9	4413.4	4377.3
30°	4359.3	4350.2	4359.3	4350.2	4341.3	4332.2	4309.6	4300.7	4318.7	4309.6	4251.0
32.5°	4224.0	4215.0	4224.0	4224.0	4215.0	4215.0	4178.9	4165.4	4170.0	4197.0	4142.9
35°	4084.3	4070.8	4084.3	4079.7	4084.3	4070.8	4048.2	4043.7	4025.7	4057.2	4016.6
37.5°	3921.9	3908.4	3921.9	3921.9	3921.9	3931.0	3913.0	3899.5	3872.4	3913.0	3881.4
40°	3755.2	3737.1	3755.2	3750.6	3755.2	3764.2	3755.2	3746.2	3719.1	3750.6	3723.7
42.5°	3565.9	3561.3	3565.9	3570.4	3570.4	3588.4	3601.9	3583.9	3574.8	3552.4	3570.4
45°	3362.9	3354.0	3362.9	3372.0	3376.5	3385.5	3426.1	3426.1	3412.6	3376.5	3403.5
47.5°	3146.6	3124.1	3146.6	3173.6	3173.6	3187.2	3227.7	3259.3	3236.8	3191.6	3205.2
50°	2916.7	2921.2	2916.7	2934.8	2934.8	2984.3	3015.8	3047.4	3070.0	3015.8	2952.8
52.5°	2691.3	2686.8	2691.3	2704.8	2722.9	2745.3	2799.5	2831.0	2867.1	2835.6	2736.4
55°	2465.9	2474.9	2465.9	2470.4	2479.4	2493.0	2574.0	2605.7	2673.2	2632.7	2529.0
57.5°	2240.5	2226.9	2240.5	2249.5	2254.0	2267.5	2335.2	2393.8	2434.4	2438.8	2312.6
60°	1979.0	1961.0	1979.0	2019.6	2028.6	2037.6	2100.7	2154.8	2190.9	2204.5	2073.7
62.5°	1749.1	1717.6	1749.1	1776.2	1794.2	1816.8	1861.8	1942.9	1974.5	1979.0	1794.2
65°	1505.7	1492.2	1505.7	1559.8	1564.3	1591.3	1640.9	1699.5	1767.1	1758.2	1492.2
67.5°	1284.8	1284.8	1284.8	1320.8	1347.9	1361.4	1424.5	1451.6	1537.2	1546.3	1244.2
70°	1081.9	1077.4	1081.9	1108.9	1127.0	1158.6	1217.2	1248.7	1316.4	1338.8	1009.8
72.5°	888.1	883.6	888.1	910.6	928.7	955.7	1005.3	1041.4	1100.0	1127.0	784.4
75°	716.8	707.7	716.8	734.8	730.3	766.3	806.9	843.0	897.1	915.1	581.6
77.5°	549.9	549.9	549.9	568.1	568.1	604.1	622.1	667.2	698.8	725.8	428.3
80°	410.3	405.7	410.3	414.7	414.7	432.8	464.3	495.9	522.9	522.9	293.0
82.5°	288.5	279.5	288.5	288.5	288.5	297.6	315.6	324.6	342.6	356.2	184.8
85°	180.4	180.4	180.4	184.8	180.4	189.3	193.9	202.8	202.8	193.9	112.7
87.5°	117.2	112.7	117.2	112.7	112.7	108.2	108.2	108.2	103.7	99.2	63.1
90°	42.1	42.1	42.1	42.1	42.1	56.1	74.9	84.2	72.4	48.8	31.0
92.5°	168.6	135.2	168.6	202.2	210.5	298.5	415.7	474.3	416.4	300.7	213.8
95°	587.9	486.4	587.9	689.3	714.7	938.5	1237.0	1386.2	1170.7	739.8	416.6
97.5°	1408.6	1215.6	1408.6	1601.7	1649.9	1791.4	1980.0	2074.3	1715.0	996.5	457.7
100°	2029.5	1799.5	2029.5	2259.5	2317.0	2306.7	2292.9	2286.0	1887.3	1089.9	492.0
102.5°	2640.3	2443.3	2640.3	2837.2	2886.5	2706.3	2466.0	2345.8	1941.5	1132.8	526.3
105°	3419.0	3313.1	3419.0	3524.9	3551.4	3147.3	2608.6	2339.2	1947.7	1164.6	577.3
107.5°	3929.1	3954.7	3929.1	3903.5	3897.1	3333.5	2581.9	2206.1	1860.9	1170.5	652.7
110°	4123.6	4234.0	4123.6	4013.3	3985.7	3355.6	2515.4	2095.3	1784.1	1161.6	694.8





TEST NUMBER: P935373

CATALOG NUMBER: SQ4-FA-100U-125D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4141.0	4310.4	4141.0	3971.6	3929.2	3284.4	2424.5	1994.5	1717.0	1162.0	745.7
115°	4031.2	4266.0	4031.2	3796.2	3737.5	3116.3	2287.9	1873.8	1640.0	1172.7	822.2
117.5°	3798.3	4058.9	3798.3	3537.8	3472.7	2912.0	2164.4	1790.7	1591.9	1194.5	896.4
120°	3610.7	3863.9	3610.7	3357.6	3294.3	2782.0	2099.0	1757.4	1575.8	1212.3	939.7
122.5°	3427.9	3677.7	3427.9	3178.3	3115.9	2654.6	2039.5	1732.0	1567.2	1237.8	990.7
125°	3167.3	3397.3	3167.3	2937.3	2879.9	2488.0	1965.5	1704.2	1560.2	1272.1	1056.0
127.5°	2933.0	3127.0	2933.0	2738.9	2690.4	2353.9	1905.3	1681.0	1556.1	1306.4	1119.1
130°	2794.8	2974.1	2794.8	2615.6	2570.8	2271.2	1871.8	1672.1	1558.6	1331.6	1161.2
132.5°	2669.5	2830.1	2669.5	2509.0	2468.8	2200.6	1843.0	1664.3	1560.1	1351.8	1195.6
135°	2497.7	2636.1	2497.7	2359.3	2324.7	2100.1	1800.8	1651.1	1558.7	1374.0	1235.5
137.5°	2359.9	2473.3	2359.9	2246.7	2218.4	2028.5	1775.4	1648.8	1568.3	1407.2	1286.4
140°	2265.5	2371.3	2265.5	2159.5	2133.1	1969.1	1750.3	1641.0	1569.9	1427.5	1320.8
142.5°	2187.1	2278.2	2187.1	2095.9	2073.2	1929.2	1737.1	1641.0	1575.5	1444.5	1346.3
145°	2069.7	2138.6	2069.7	2000.7	1983.4	1865.6	1708.5	1630.0	1575.6	1466.7	1385.1
147.5°	1979.5	2036.6	1979.5	1922.4	1908.1	1815.4	1691.8	1630.0	1586.4	1499.2	1433.9
150°	1922.8	1969.1	1922.8	1876.4	1864.9	1786.6	1682.2	1630.0	1592.1	1516.3	1459.3
152.5°	1874.2	1909.2	1874.2	1839.2	1830.5	1763.7	1674.6	1630.0	1595.7	1527.3	1475.9
155°	1818.4	1841.6	1818.4	1795.3	1789.5	1736.3	1665.4	1630.0	1603.9	1551.7	1512.5
157.5°	1774.4	1790.7	1774.4	1758.2	1754.1	1712.7	1657.5	1630.0	1612.1	1576.1	1549.1
160°	1748.0	1757.4	1748.0	1738.6	1736.3	1700.9	1653.6	1630.0	1615.7	1587.1	1565.7
162.5°	1730.8	1739.7	1730.8	1721.9	1719.7	1689.8	1649.9	1630.0	1619.6	1598.9	1583.4
165°	1705.9	1715.3	1705.9	1696.5	1694.2	1672.8	1644.3	1630.0	1625.3	1615.9	1608.9
167.5°	1688.1	1692.0	1688.1	1684.2	1683.2	1669.2	1650.4	1641.0	1637.1	1629.2	1623.4
170°	1683.2	1683.2	1683.2	1683.2	1683.2	1669.2	1650.4	1641.0	1640.8	1640.3	1640.0
172.5°	1670.0	1666.5	1670.0	1673.4	1674.3	1663.2	1648.4	1641.0	1641.0	1641.0	1641.0
175°	1662.1	1662.1	1662.1	1662.1	1662.1	1655.1	1645.7	1641.0	1643.2	1647.7	1651.1
177.5°	1655.0	1651.1	1655.0	1658.9	1659.8	1654.3	1647.0	1643.2	1645.0	1648.5	1651.1
180°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4832.6	4805.6	4805.6	4760.5	4742.5	4729.0	4706.4	4638.7	4620.7	4602.7	4629.8
5°	4873.2	4823.6	4787.5	4706.4	4638.7	4611.7	4526.0	4363.7	4255.6	4174.4	4129.4
7.5°	4882.2	4819.1	4751.4	4625.2	4462.9	4390.8	4129.4	3831.8	3750.6	3678.5	3633.4
10°	4873.2	4801.1	4706.4	4517.1	4133.8	4007.6	3746.2	3552.4	3502.7	3489.2	3502.7
12.5°	4841.6	4774.0	4643.3	4327.7	3791.2	3705.6	3552.4	3439.6	3430.6	3453.2	3574.8
15°	4787.5	4724.4	4571.2	4075.2	3601.9	3538.8	3430.6	3390.0	3439.6	3597.4	3962.5
17.5°	4733.4	4661.3	4472.0	3827.3	3457.7	3412.6	3335.9	3417.1	3696.6	3908.4	4030.2
20°	4661.3	4575.6	4359.3	3647.0	3354.0	3313.4	3277.3	3642.5	3854.4	3931.0	3998.6
22.5°	4575.6	4485.5	4206.0	3520.7	3245.8	3214.2	3236.8	3768.7	3854.4	3908.4	3967.1
25°	4462.9	4386.3	4025.7	3421.6	3160.1	3124.1	3209.7	3755.2	3804.7	3818.3	3935.5
27.5°	4359.3	4260.1	3836.3	3331.4	3056.4	3042.9	3232.2	3696.6	3732.6	3746.2	3872.4
30°	4233.0	4084.3	3624.5	3236.8	2948.2	2943.7	3236.8	3624.5	3615.4	3651.5	3777.7
32.5°	4102.3	3822.8	3385.5	3119.5	2844.5	2840.1	3205.2	3516.2	3507.2	3556.8	3651.5
35°	3980.5	3619.9	3060.9	2984.3	2713.8	2718.3	3128.6	3390.0	3394.6	3439.6	3498.2
37.5°	3854.4	3444.1	2704.8	2835.6	2587.6	2587.6	3024.9	3272.8	3263.8	3277.3	3358.5
40°	3705.6	3169.1	2389.3	2641.7	2470.4	2456.8	2898.7	3146.6	3115.0	3110.6	3223.3
42.5°	3547.8	2867.1	2154.8	2384.7	2335.2	2317.1	2745.3	2993.4	2934.8	2948.2	3092.5
45°	3376.5	2785.9	1974.5	2015.0	2195.4	2181.9	2578.6	2817.5	2777.0	2813.0	2961.7
47.5°	3205.2	2623.7	1915.9	1672.5	2046.7	2042.1	2393.8	2646.2	2623.7	2659.7	2817.5
50°	2970.8	2443.3	1911.4	1433.6	1879.8	1897.8	2172.8	2479.4	2479.4	2511.0	2677.8
52.5°	2668.7	2222.5	1735.6	1298.3	1686.0	1740.1	1979.0	2335.2	2344.1	2375.8	2524.5
55°	2393.8	1992.6	1609.3	1194.6	1456.1	1573.3	1789.7	2186.3	2204.5	2236.0	2371.2
57.5°	2141.3	1659.0	1582.3	1072.9	1244.2	1357.0	1622.9	2042.1	2051.2	2078.2	2208.9
60°	1870.8	1199.2	1451.6	942.2	1059.4	1145.1	1469.6	1870.8	1902.4	1920.4	2033.1
62.5°	1564.3	870.1	1316.4	852.0	969.3	987.3	1343.4	1708.5	1749.1	1762.6	1830.3
65°	1113.5	730.3	1118.0	775.4	874.6	879.0	1208.1	1541.7	1577.8	1600.4	1649.9
67.5°	752.8	595.0	852.0	703.2	802.4	806.9	1077.4	1347.9	1397.4	1415.6	1447.1
70°	522.9	396.7	631.1	626.6	721.3	730.3	937.6	1172.1	1217.2	1230.7	1248.7
72.5°	383.2	320.0	522.9	563.5	635.6	644.7	793.4	973.7	1018.8	1032.3	1041.4
75°	293.0	338.1	423.8	491.3	541.0	545.5	649.1	793.4	825.0	834.0	838.4
77.5°	234.4	315.6	311.1	396.7	441.8	432.8	509.4	613.1	640.2	640.2	640.2
80°	175.8	247.9	234.4	284.0	324.6	315.6	365.1	437.3	446.3	455.3	450.8
82.5°	130.7	157.8	157.8	180.4	216.4	207.3	243.4	284.0	284.0	284.0	293.0
85°	81.2	90.1	72.1	94.7	121.7	117.2	135.2	153.3	157.8	157.8	148.7
87.5°	49.6	40.6	22.6	36.1	54.1	54.1	63.1	67.6	63.1	63.1	63.1
90°	28.8	20.0	11.1	20.0	28.8	31.0	48.8	72.4	84.2	74.9	56.1
92.5°	195.0	119.6	44.3	119.6	195.0	213.8	300.7	416.4	474.3	415.7	298.5
95°	382.2	244.3	106.4	244.3	382.2	416.6	739.8	1170.7	1386.2	1237.0	938.5
97.5°	427.2	305.6	183.9	305.6	427.2	457.7	996.5	1715.0	2074.3	1980.0	1791.4
100°	464.3	354.0	243.8	354.0	464.3	492.0	1089.9	1887.3	2286.0	2292.9	2306.7
102.5°	500.6	397.6	294.7	397.6	500.6	526.3	1132.8	1941.5	2345.8	2466.0	2706.3
105°	555.5	468.3	381.2	468.3	555.5	577.3	1164.6	1947.7	2339.2	2608.6	3147.3
107.5°	632.3	551.1	469.8	551.1	632.3	652.7	1170.5	1860.9	2206.1	2581.9	3333.5
110°	676.4	603.0	529.7	603.0	676.4	694.8	1161.6	1784.1	2095.3	2515.4	3355.6



TEST NUMBER: P935373

CATALOG NUMBER: SQ4-FA-100U-125D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	728.2	658.4	588.4	658.4	728.2	745.7	1162.0	1717.0	1994.5	2424.5	3284.4
115°	806.0	741.6	677.0	741.6	806.0	822.2	1172.7	1640.0	1873.8	2287.9	3116.3
117.5°	881.8	823.2	764.6	823.2	881.8	896.4	1194.5	1591.9	1790.7	2164.4	2912.0
120°	925.9	870.7	815.5	870.7	925.9	939.7	1212.3	1575.8	1757.4	2099.0	2782.0
122.5°	976.7	921.1	865.4	921.1	976.7	990.7	1237.8	1567.2	1732.0	2039.5	2654.6
125°	1043.3	992.6	941.9	992.6	1043.3	1056.0	1272.1	1560.2	1704.2	1965.5	2488.0
127.5°	1106.4	1055.1	1003.9	1055.1	1106.4	1119.1	1306.4	1556.1	1681.0	1905.3	2353.9
130°	1147.5	1092.3	1037.2	1092.3	1147.5	1161.2	1331.6	1558.6	1672.1	1871.8	2271.2
132.5°	1181.8	1126.7	1071.5	1126.7	1181.8	1195.6	1351.8	1560.1	1664.3	1843.0	2200.6
135°	1223.0	1172.7	1122.5	1172.7	1223.0	1235.5	1374.0	1558.7	1651.1	1800.8	2100.1
137.5°	1274.0	1224.3	1174.6	1224.3	1274.0	1286.4	1407.2	1568.3	1648.8	1775.4	2028.5
140°	1309.4	1263.6	1217.8	1263.6	1309.4	1320.8	1427.5	1569.9	1641.0	1750.3	1969.1
142.5°	1335.7	1293.4	1251.0	1293.4	1335.7	1346.3	1444.5	1575.5	1641.0	1737.1	1929.2
145°	1375.9	1338.9	1302.0	1338.9	1375.9	1385.1	1466.7	1575.6	1630.0	1708.5	1865.6
147.5°	1424.9	1388.9	1353.0	1388.9	1424.9	1433.9	1499.2	1586.4	1630.0	1691.8	1815.4
150°	1451.2	1418.7	1386.2	1418.7	1451.2	1459.3	1516.3	1592.1	1630.0	1682.2	1786.6
152.5°	1469.8	1445.1	1420.5	1445.1	1469.8	1475.9	1527.3	1595.7	1630.0	1674.6	1763.7
155°	1508.0	1489.7	1471.5	1489.7	1508.0	1512.5	1551.7	1603.9	1630.0	1665.4	1736.3
157.5°	1544.7	1526.9	1509.2	1526.9	1544.7	1549.1	1576.1	1612.1	1630.0	1657.5	1712.7
160°	1562.3	1548.5	1534.6	1548.5	1562.3	1565.7	1587.1	1615.7	1630.0	1653.6	1700.9
162.5°	1580.8	1570.4	1560.1	1570.4	1580.8	1583.4	1598.9	1619.6	1630.0	1649.9	1689.8
165°	1606.6	1597.2	1587.8	1597.2	1606.6	1608.9	1615.9	1625.3	1630.0	1644.3	1672.8
167.5°	1622.2	1617.8	1613.3	1617.8	1622.2	1623.4	1629.2	1637.1	1641.0	1650.4	1669.2
170°	1638.9	1634.5	1630.0	1634.5	1638.9	1640.0	1640.3	1640.8	1641.0	1650.4	1669.2
172.5°	1640.8	1639.8	1638.8	1639.8	1640.8	1641.0	1641.0	1641.0	1641.0	1648.4	1663.2
175°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1647.7	1643.2	1641.0	1645.7	1655.1
177.5°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1648.5	1645.0	1643.2	1647.0	1654.3
180°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1



TEST NUMBER: P935373  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4598.2	4584.7	4602.7	4553.1	4602.7	4584.7	4598.2	4629.8	4602.7	4620.7	4638.7
5°	4034.7	4012.2	3940.0	3881.4	3940.0	4012.2	4034.7	4129.4	4174.4	4255.6	4363.7
7.5°	3606.4	3588.4	3570.4	3534.3	3570.4	3588.4	3606.4	3633.4	3678.5	3750.6	3831.8
10°	3511.8	3516.2	3543.3	3538.8	3543.3	3516.2	3511.8	3502.7	3489.2	3502.7	3552.4
12.5°	3755.2	3795.8	3944.5	3935.5	3944.5	3795.8	3755.2	3574.8	3453.2	3430.6	3439.6
15°	4034.7	4048.2	4079.7	4084.3	4079.7	4048.2	4034.7	3962.5	3597.4	3439.6	3390.0
17.5°	4061.7	4066.2	4088.8	4088.8	4088.8	4066.2	4061.7	4030.2	3908.4	3696.6	3417.1
20°	4039.2	4048.2	4093.3	4102.3	4093.3	4048.2	4039.2	3998.6	3931.0	3854.4	3642.5
22.5°	4030.2	4048.2	4084.3	4079.7	4084.3	4048.2	4030.2	3967.1	3908.4	3854.4	3768.7
25°	3985.1	3985.1	3989.6	3994.1	3989.6	3985.1	3985.1	3935.5	3818.3	3804.7	3755.2
27.5°	3890.4	3899.5	3926.5	3921.9	3926.5	3899.5	3890.4	3872.4	3746.2	3732.6	3696.6
30°	3804.7	3795.8	3773.2	3755.2	3773.2	3795.8	3804.7	3777.7	3651.5	3615.4	3624.5
32.5°	3660.5	3638.0	3615.4	3601.9	3615.4	3638.0	3660.5	3651.5	3556.8	3507.2	3516.2
35°	3489.2	3493.7	3489.2	3475.7	3489.2	3493.7	3489.2	3498.2	3439.6	3394.6	3390.0
37.5°	3367.5	3376.5	3372.0	3354.0	3372.0	3376.5	3367.5	3358.5	3277.3	3263.8	3272.8
40°	3241.3	3245.8	3241.3	3227.7	3241.3	3245.8	3241.3	3223.3	3110.6	3115.0	3146.6
42.5°	3119.5	3115.0	3101.5	3092.5	3101.5	3115.0	3119.5	3092.5	2948.2	2934.8	2993.4
45°	2979.8	2984.3	2957.2	2943.7	2957.2	2984.3	2979.8	2961.7	2813.0	2777.0	2817.5
47.5°	2840.1	2840.1	2817.5	2803.9	2817.5	2840.1	2840.1	2817.5	2659.7	2623.7	2646.2
50°	2691.3	2686.8	2655.2	2650.7	2655.2	2686.8	2691.3	2677.8	2511.0	2479.4	2479.4
52.5°	2520.0	2520.0	2524.5	2533.5	2524.5	2520.0	2520.0	2524.5	2375.8	2344.1	2335.2
55°	2371.2	2375.8	2407.3	2416.3	2407.3	2375.8	2371.2	2371.2	2236.0	2204.5	2186.3
57.5°	2218.0	2218.0	2240.5	2240.5	2240.5	2218.0	2218.0	2208.9	2078.2	2051.2	2042.1
60°	2042.1	2051.2	2069.2	2064.7	2069.2	2051.2	2042.1	2033.1	1920.4	1902.4	1870.8
62.5°	1857.3	1866.3	1870.8	1861.8	1870.8	1866.3	1857.3	1830.3	1762.6	1749.1	1708.5
65°	1663.5	1672.5	1677.0	1667.9	1677.0	1672.5	1663.5	1649.9	1600.4	1577.8	1541.7
67.5°	1465.1	1460.6	1456.1	1474.1	1456.1	1460.6	1465.1	1447.1	1415.6	1397.4	1347.9
70°	1262.2	1262.2	1257.8	1266.7	1257.8	1262.2	1262.2	1248.7	1230.7	1217.2	1172.1
72.5°	1045.9	1041.4	1059.4	1045.9	1059.4	1041.4	1045.9	1041.4	1032.3	1018.8	973.7
75°	834.0	843.0	834.0	847.5	834.0	843.0	834.0	838.4	834.0	825.0	793.4
77.5°	635.6	644.7	635.6	635.6	635.6	644.7	635.6	640.2	640.2	640.2	613.1
80°	450.8	446.3	446.3	441.8	446.3	446.3	450.8	450.8	455.3	446.3	437.3
82.5°	288.5	284.0	284.0	293.0	284.0	284.0	288.5	293.0	284.0	284.0	284.0
85°	157.8	162.3	153.3	153.3	153.3	162.3	157.8	148.7	157.8	157.8	153.3
87.5°	58.6	54.1	54.1	54.1	54.1	54.1	58.6	63.1	63.1	63.1	67.6
90°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	56.1	74.9	84.2	72.4
92.5°	210.5	202.2	168.6	135.2	168.6	202.2	210.5	298.5	415.7	474.3	416.4
95°	714.7	689.3	587.9	486.4	587.9	689.3	714.7	938.5	1237.0	1386.2	1170.7
97.5°	1649.9	1601.7	1408.6	1215.6	1408.6	1601.7	1649.9	1791.4	1980.0	2074.3	1715.0
100°	2317.0	2259.5	2029.5	1799.5	2029.5	2259.5	2317.0	2306.7	2292.9	2286.0	1887.3
102.5°	2886.5	2837.2	2640.3	2443.3	2640.3	2837.2	2886.5	2706.3	2466.0	2345.8	1941.5
105°	3551.4	3524.9	3419.0	3313.1	3419.0	3524.9	3551.4	3147.3	2608.6	2339.2	1947.7
107.5°	3897.1	3903.5	3929.1	3954.7	3929.1	3903.5	3897.1	3333.5	2581.9	2206.1	1860.9
110°	3985.7	4013.3	4123.6	4234.0	4123.6	4013.3	3985.7	3355.6	2515.4	2095.3	1784.1



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3929.2	3971.6	4141.0	4310.4	4141.0	3971.6	3929.2	3284.4	2424.5	1994.5	1717.0
115°	3737.5	3796.2	4031.2	4266.0	4031.2	3796.2	3737.5	3116.3	2287.9	1873.8	1640.0
117.5°	3472.7	3537.8	3798.3	4058.9	3798.3	3537.8	3472.7	2912.0	2164.4	1790.7	1591.9
120°	3294.3	3357.6	3610.7	3863.9	3610.7	3357.6	3294.3	2782.0	2099.0	1757.4	1575.8
122.5°	3115.9	3178.3	3427.9	3677.7	3427.9	3178.3	3115.9	2654.6	2039.5	1732.0	1567.2
125°	2879.9	2937.3	3167.3	3397.3	3167.3	2937.3	2879.9	2488.0	1965.5	1704.2	1560.2
127.5°	2690.4	2738.9	2933.0	3127.0	2933.0	2738.9	2690.4	2353.9	1905.3	1681.0	1556.1
130°	2570.8	2615.6	2794.8	2974.1	2794.8	2615.6	2570.8	2271.2	1871.8	1672.1	1558.6
132.5°	2468.8	2509.0	2669.5	2830.1	2669.5	2509.0	2468.8	2200.6	1843.0	1664.3	1560.1
135°	2324.7	2359.3	2497.7	2636.1	2497.7	2359.3	2324.7	2100.1	1800.8	1651.1	1558.7
137.5°	2218.4	2246.7	2359.9	2473.3	2359.9	2246.7	2218.4	2028.5	1775.4	1648.8	1568.3
140°	2133.1	2159.5	2265.5	2371.3	2265.5	2159.5	2133.1	1969.1	1750.3	1641.0	1569.9
142.5°	2073.2	2095.9	2187.1	2278.2	2187.1	2095.9	2073.2	1929.2	1737.1	1641.0	1575.5
145°	1983.4	2000.7	2069.7	2138.6	2069.7	2000.7	1983.4	1865.6	1708.5	1630.0	1575.6
147.5°	1908.1	1922.4	1979.5	2036.6	1979.5	1922.4	1908.1	1815.4	1691.8	1630.0	1586.4
150°	1864.9	1876.4	1922.8	1969.1	1922.8	1876.4	1864.9	1786.6	1682.2	1630.0	1592.1
152.5°	1830.5	1839.2	1874.2	1909.2	1874.2	1839.2	1830.5	1763.7	1674.6	1630.0	1595.7
155°	1789.5	1795.3	1818.4	1841.6	1818.4	1795.3	1789.5	1736.3	1665.4	1630.0	1603.9
157.5°	1754.1	1758.2	1774.4	1790.7	1774.4	1758.2	1754.1	1712.7	1657.5	1630.0	1612.1
160°	1736.3	1738.6	1748.0	1757.4	1748.0	1738.6	1736.3	1700.9	1653.6	1630.0	1615.7
162.5°	1719.7	1721.9	1730.8	1739.7	1730.8	1721.9	1719.7	1689.8	1649.9	1630.0	1619.6
165°	1694.2	1696.5	1705.9	1715.3	1705.9	1696.5	1694.2	1672.8	1644.3	1630.0	1625.3
167.5°	1683.2	1684.2	1688.1	1692.0	1688.1	1684.2	1683.2	1669.2	1650.4	1641.0	1637.1
170°	1683.2	1683.2	1683.2	1683.2	1683.2	1683.2	1683.2	1669.2	1650.4	1641.0	1640.8
172.5°	1674.3	1673.4	1670.0	1666.5	1670.0	1673.4	1674.3	1663.2	1648.4	1641.0	1641.0
175°	1662.1	1662.1	1662.1	1662.1	1662.1	1662.1	1662.1	1655.1	1645.7	1641.0	1643.2
177.5°	1659.8	1658.9	1655.0	1651.1	1655.0	1658.9	1659.8	1654.3	1647.0	1643.2	1645.0
180°	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4706.4	4729.0	4742.5	4760.5	4805.6
5°	4526.0	4611.7	4638.7	4706.4	4787.5
7.5°	4129.4	4390.8	4462.9	4625.2	4751.4
10°	3746.2	4007.6	4133.8	4517.1	4706.4
12.5°	3552.4	3705.6	3791.2	4327.7	4643.3
15°	3430.6	3538.8	3601.9	4075.2	4571.2
17.5°	3335.9	3412.6	3457.7	3827.3	4472.0
20°	3277.3	3313.4	3354.0	3647.0	4359.3
22.5°	3236.8	3214.2	3245.8	3520.7	4206.0
25°	3209.7	3124.1	3160.1	3421.6	4025.7
27.5°	3232.2	3042.9	3056.4	3331.4	3836.3
30°	3236.8	2943.7	2948.2	3236.8	3624.5
32.5°	3205.2	2840.1	2844.5	3119.5	3385.5
35°	3128.6	2718.3	2713.8	2984.3	3060.9
37.5°	3024.9	2587.6	2587.6	2835.6	2704.8
40°	2898.7	2456.8	2470.4	2641.7	2389.3
42.5°	2745.3	2317.1	2335.2	2384.7	2154.8
45°	2578.6	2181.9	2195.4	2015.0	1974.5
47.5°	2393.8	2042.1	2046.7	1672.5	1915.9
50°	2172.8	1897.8	1879.8	1433.6	1911.4
52.5°	1979.0	1740.1	1686.0	1298.3	1735.6
55°	1789.7	1573.3	1456.1	1194.6	1609.3
57.5°	1622.9	1357.0	1244.2	1072.9	1582.3
60°	1469.6	1145.1	1059.4	942.2	1451.6
62.5°	1343.4	987.3	969.3	852.0	1316.4
65°	1208.1	879.0	874.6	775.4	1118.0
67.5°	1077.4	806.9	802.4	703.2	852.0
70°	937.6	730.3	721.3	626.6	631.1
72.5°	793.4	644.7	635.6	563.5	522.9
75°	649.1	545.5	541.0	491.3	423.8
77.5°	509.4	432.8	441.8	396.7	311.1
80°	365.1	315.6	324.6	284.0	234.4
82.5°	243.4	207.3	216.4	180.4	157.8
85°	135.2	117.2	121.7	94.7	72.1
87.5°	63.1	54.1	54.1	36.1	22.6
90°	48.8	31.0	28.8	20.0	11.1
92.5°	300.7	213.8	195.0	119.6	44.3
95°	739.8	416.6	382.2	244.3	106.4
97.5°	996.5	457.7	427.2	305.6	183.9
100°	1089.9	492.0	464.3	354.0	243.8
102.5°	1132.8	526.3	500.6	397.6	294.7
105°	1164.6	577.3	555.5	468.3	381.2
107.5°	1170.5	652.7	632.3	551.1	469.8
110°	1161.6	694.8	676.4	603.0	529.7



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CATALOG NUMBER: SQ4-FA-100U-125D-940-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1162.0	745.7	728.2	658.4	588.4
115°	1172.7	822.2	806.0	741.6	677.0
117.5°	1194.5	896.4	881.8	823.2	764.6
120°	1212.3	939.7	925.9	870.7	815.5
122.5°	1237.8	990.7	976.7	921.1	865.4
125°	1272.1	1056.0	1043.3	992.6	941.9
127.5°	1306.4	1119.1	1106.4	1055.1	1003.9
130°	1331.6	1161.2	1147.5	1092.3	1037.2
132.5°	1351.8	1195.6	1181.8	1126.7	1071.5
135°	1374.0	1235.5	1223.0	1172.7	1122.5
137.5°	1407.2	1286.4	1274.0	1224.3	1174.6
140°	1427.5	1320.8	1309.4	1263.6	1217.8
142.5°	1444.5	1346.3	1335.7	1293.4	1251.0
145°	1466.7	1385.1	1375.9	1338.9	1302.0
147.5°	1499.2	1433.9	1424.9	1388.9	1353.0
150°	1516.3	1459.3	1451.2	1418.7	1386.2
152.5°	1527.3	1475.9	1469.8	1445.1	1420.5
155°	1551.7	1512.5	1508.0	1489.7	1471.5
157.5°	1576.1	1549.1	1544.7	1526.9	1509.2
160°	1587.1	1565.7	1562.3	1548.5	1534.6
162.5°	1598.9	1583.4	1580.8	1570.4	1560.1
165°	1615.9	1608.9	1606.6	1597.2	1587.8
167.5°	1629.2	1623.4	1622.2	1617.8	1613.3
170°	1640.3	1640.0	1638.9	1634.5	1630.0
172.5°	1641.0	1641.0	1640.8	1639.8	1638.8
175°	1647.7	1651.1	1651.1	1651.1	1651.1
177.5°	1648.5	1651.1	1651.1	1651.1	1651.1
180°	1651.1	1651.1	1651.1	1651.1	1651.1



TEST NUMBER: P935373  
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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	14.49	15.38	15.41	16.32	17.54	17.34	18.23	18.26	19.18	20.39
	3H	14.97	15.77	15.90	16.72	17.96	18.69	19.49	19.63	20.45	21.69
	4H	15.16	15.92	16.11	16.87	18.13	19.14	19.90	20.09	20.86	22.11
	6H	15.28	15.98	16.24	16.94	18.20	19.43	20.13	20.40	21.10	22.36
	8H	15.28	15.95	16.25	16.93	18.19	19.51	20.18	20.48	21.16	22.42
	12H	15.25	15.89	16.23	16.86	18.15	19.56	20.19	20.53	21.16	22.45
4H	2H	15.53	16.29	16.48	17.24	18.49	17.75	18.51	18.71	19.47	20.72
	3H	16.56	17.19	17.53	18.18	19.44	19.26	19.90	20.23	20.88	22.15
	4H	16.84	17.41	17.81	18.39	19.68	19.80	20.38	20.78	21.36	22.65
	6H	16.96	17.46	17.95	18.46	19.75	20.17	20.67	21.16	21.67	22.96
	8H	16.97	17.43	17.96	18.43	19.73	20.28	20.75	21.27	21.74	23.05
	12H	16.94	17.36	17.95	18.37	19.68	20.34	20.76	21.35	21.78	23.09
8H	4H	17.30	17.76	18.29	18.76	20.06	19.93	20.39	20.92	21.39	22.69
	6H	17.56	17.94	18.57	18.98	20.28	20.37	20.75	21.38	21.79	23.09
	8H	17.60	17.94	18.63	18.97	20.29	20.52	20.86	21.55	21.89	23.21
	12H	17.59	17.88	18.61	18.91	20.27	20.63	20.93	21.66	21.95	23.31
12H	4H	17.30	17.72	18.31	18.74	20.05	19.89	20.31	20.90	21.32	22.63
	6H	17.62	17.96	18.64	18.99	20.31	20.37	20.70	21.39	21.73	23.05
	8H	17.69	17.99	18.72	19.01	20.37	20.53	20.83	21.56	21.85	23.22