

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: P935325

Luminaire Tested: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935325
REPORT IS A COMBINATION OF REPORTS P933749 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

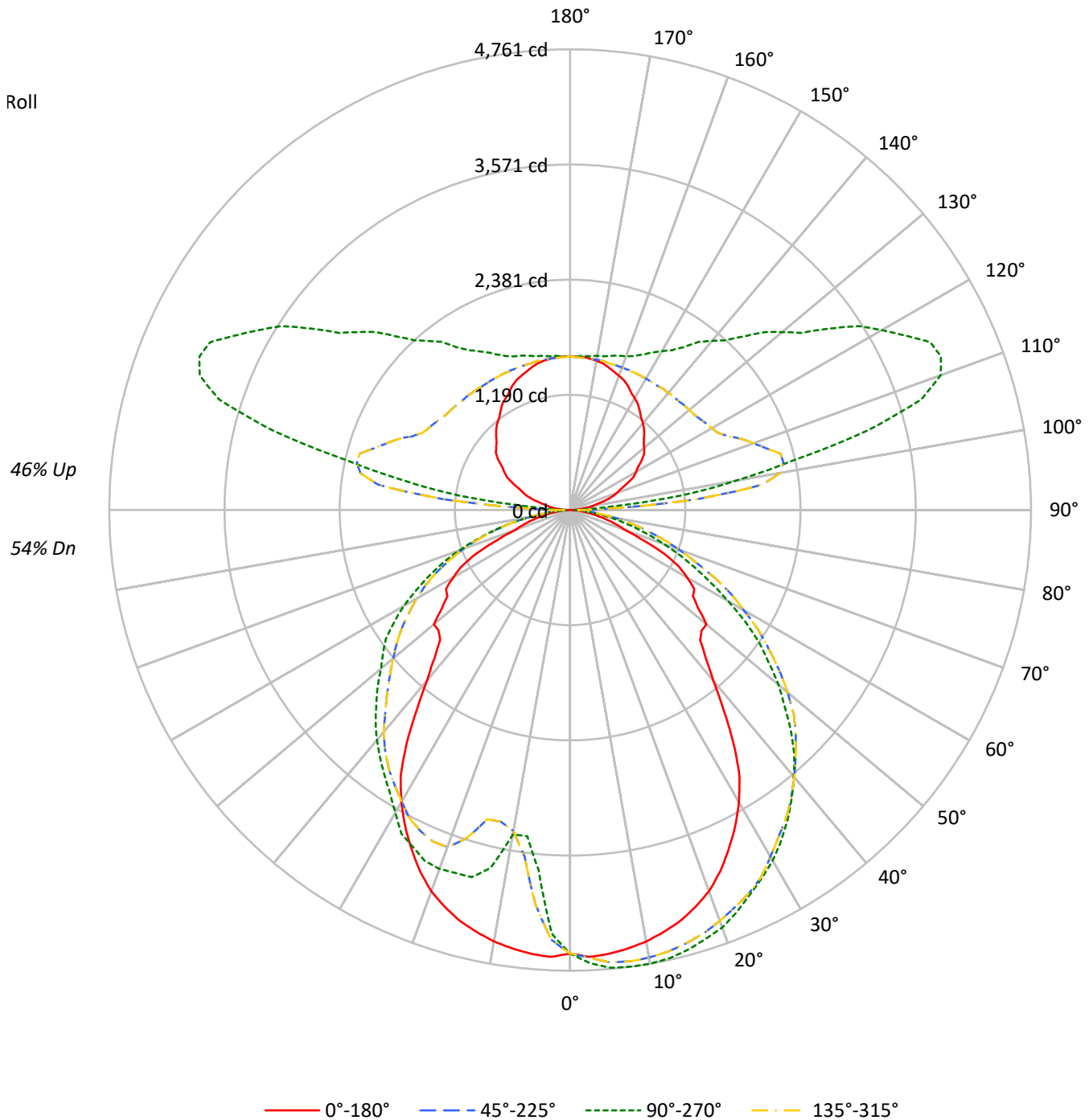
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22184.3 lumens
Efficiency: N/A
Efficacy: 107.5 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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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°	14177	14177	14177	14177
5°	14287	14310	14287	11252
10°	14197	14096	14197	10078
15°	14048	13791	14048	11516
20°	13760	13429	13760	11540
25°	13164	12901	13164	11295
30°	12392	12463	12392	10758
35°	11053	11909	11053	10168
40°	9215	11257	9215	9722
45°	8239	10493	8239	9210
50°	8760	9582	8760	8695
55°	8249	8601	8249	8398
60°	8514	7305	8514	7691
65°	7732	6039	7732	6750
70°	5367	4812	5367	5658
75°	4724	3557	4724	4260
80°	3835	2352	3835	2561
85°	2249	1246	2249	1059

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12619 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.7	1.9
10°-20°	1174.7	5.3
20°-30°	1815.8	8.2
30°-40°	2167.7	9.8
40°-50°	2180.4	9.8
50°-60°	1897.2	8.6
60°-70°	1345.1	6.1
70°-80°	711.7	3.2
80°-90°	183.3	0.8
90°-100°	774.1	3.5
100°-110°	2035.1	9.2
110°-120°	2110.2	9.5
120°-130°	1692.7	7.6
130°-140°	1328.1	6.0
140°-150°	1019.4	4.6
150°-160°	734.1	3.3
160°-170°	449.2	2.0
170°-180°	151.8	0.7
0°-30°	3404.2	15.3
0°-40°	5571.9	25.1
0°-60°	9649.4	43.5
0°-90°	11889.6	53.6
90°-120°	4919.5	22.2
90°-150°	8959.7	40.4
90°-180°	10295.0	46.4
0°-180°	22184.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4583	4583	4583	4583	4583	
5°	4605	4748	4605	3733	4605	437
15°	4397	4705	4397	3928	4397	1237
25°	3872	4388	3872	3842	3872	1778
35°	2944	3916	2944	3343	2944	1821
45°	1899	3226	1899	2831	1899	1521
55°	1548	2380	1548	2324	1548	1422
65°	1075	1435	1075	1604	1075	1028
75°	408	681	408	815	408	429
85°	69	174	69	147	69	94
90°	11	40	11	40	11	12
95°	102	468	102	468	102	114
105°	367	3187	367	3187	367	389
115°	651	4103	651	4103	651	643
125°	906	3268	906	3268	906	804
135°	1080	2536	1080	2536	1080	835
145°	1252	2057	1252	2057	1252	785
155°	1415	1771	1415	1771	1415	650
165°	1527	1650	1527	1650	1527	431
175°	1588	1599	1588	1599	1588	151
180°	1588	1588	1588	1588	1588	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4622.3	4622.3	4648.2	4657.0	4657.0	4643.9	4630.9	4643.9	4682.9	4696.0	4691.6
5°	4604.9	4639.6	4687.3	4696.0	4704.6	4700.3	4691.6	4700.3	4743.7	4752.4	4756.6
7.5°	4570.2	4635.3	4696.0	4709.0	4722.0	4709.0	4704.6	4713.3	4756.6	4765.4	4765.4
10°	4526.9	4617.9	4687.3	4696.0	4709.0	4696.0	4696.0	4713.3	4756.6	4765.4	4769.7
12.5°	4466.1	4591.9	4657.0	4665.6	4682.9	4678.6	4674.3	4691.6	4734.9	4743.7	4743.7
15°	4396.8	4544.2	4604.9	4613.6	4643.9	4635.3	4635.3	4652.6	4700.3	4713.3	4709.0
17.5°	4301.4	4483.5	4552.8	4565.9	4587.5	4583.3	4587.5	4604.9	4648.2	4657.0	4661.2
20°	4193.0	4401.1	4483.5	4496.5	4518.2	4518.2	4518.2	4539.9	4583.3	4600.6	4600.6
22.5°	4045.6	4314.4	4401.1	4409.8	4435.8	4435.8	4444.5	4474.8	4513.8	4518.2	4518.2
25°	3872.1	4219.0	4292.7	4318.7	4344.8	4357.8	4370.7	4388.1	4401.1	4396.8	4401.1
27.5°	3690.0	4097.6	4193.0	4210.3	4245.0	4258.0	4275.3	4279.7	4284.0	4297.0	4288.4
30°	3486.2	3928.5	4071.5	4088.9	4145.3	4154.0	4136.6	4145.3	4166.9	4175.7	4184.3
32.5°	3256.4	3677.0	3945.8	3984.8	4036.9	4010.9	4006.5	4019.5	4054.2	4054.2	4062.9
35°	2944.2	3481.9	3828.7	3863.4	3902.4	3872.1	3889.4	3893.8	3915.5	3928.5	3924.1
37.5°	2601.7	3312.7	3707.3	3733.4	3763.7	3724.7	3750.7	3763.7	3781.1	3772.3	3772.3
40°	2298.1	3048.2	3564.3	3581.6	3607.6	3577.3	3603.3	3611.9	3620.6	3611.9	3607.6
42.5°	2072.6	2757.7	3412.5	3434.2	3416.9	3438.5	3447.2	3464.5	3451.5	3434.2	3434.2
45°	1899.2	2679.7	3247.7	3273.7	3247.7	3282.4	3295.4	3295.4	3256.4	3247.7	3243.4
47.5°	1842.9	2523.6	3083.0	3083.0	3069.9	3113.3	3135.0	3104.6	3065.6	3052.6	3052.6
50°	1838.5	2350.1	2857.5	2840.1	2900.8	2952.9	2931.2	2900.8	2870.5	2822.8	2822.8
52.5°	1669.4	2137.7	2566.9	2632.0	2727.4	2757.7	2723.0	2692.7	2640.6	2619.0	2601.7
55°	1547.9	1916.6	2302.5	2432.6	2532.2	2571.3	2506.3	2475.9	2397.9	2384.8	2376.2
57.5°	1522.0	1595.7	2059.6	2224.4	2345.8	2341.5	2302.5	2246.1	2181.0	2168.0	2163.7
60°	1396.2	1153.4	1799.5	1994.6	2120.4	2107.3	2072.6	2020.6	1959.9	1951.3	1942.5
62.5°	1266.2	836.9	1504.6	1725.8	1903.5	1899.2	1868.8	1790.8	1747.5	1725.8	1708.4
65°	1075.3	702.4	1071.0	1435.3	1691.1	1699.7	1634.7	1578.3	1530.6	1504.6	1500.3
67.5°	819.5	572.4	724.1	1196.7	1487.3	1478.6	1396.2	1370.2	1309.5	1296.5	1270.4
70°	607.0	381.5	503.0	971.3	1287.8	1266.2	1201.1	1170.8	1114.4	1084.0	1066.6
72.5°	503.0	307.8	368.6	754.5	1084.0	1058.0	1001.6	967.0	919.2	893.2	875.9
75°	407.6	325.2	281.9	559.4	880.2	862.8	810.8	776.1	737.1	702.4	706.8
77.5°	299.2	303.6	225.5	411.9	698.1	672.1	641.7	598.4	581.1	546.4	546.4
80°	225.5	238.5	169.1	281.9	503.0	503.0	476.9	446.6	416.3	398.9	398.9
82.5°	151.8	151.8	125.7	177.7	342.6	329.5	312.2	303.6	286.2	277.5	277.5
85°	69.4	86.7	78.1	108.4	186.5	195.1	195.1	186.5	182.1	173.5	177.7
87.5°	21.7	39.0	47.7	60.7	95.4	99.8	104.0	104.0	104.0	108.4	108.4
90°	10.7	19.2	27.7	29.8	46.9	69.6	81.0	72.0	54.0	40.5	40.5
92.5°	42.6	115.1	187.6	205.7	289.2	400.5	456.2	399.8	287.1	202.5	194.5
95°	102.3	235.0	367.6	400.8	711.6	1126.1	1333.3	1189.8	902.7	687.4	663.0
97.5°	176.9	293.9	410.9	440.2	958.5	1649.6	1995.2	1904.4	1723.0	1587.0	1540.6
100°	234.5	340.5	446.6	473.2	1048.4	1815.3	2198.8	2205.4	2218.7	2228.6	2173.3
102.5°	283.5	382.5	481.5	506.2	1089.6	1867.5	2256.3	2371.9	2603.0	2776.4	2729.0
105°	366.7	450.5	534.3	555.3	1120.2	1873.4	2249.9	2509.1	3027.3	3415.9	3390.5
107.5°	451.9	530.1	608.2	627.8	1125.8	1789.9	2122.0	2483.5	3206.3	3748.4	3754.6
110°	509.5	580.0	650.6	668.3	1117.3	1716.0	2015.4	2419.5	3227.6	3833.7	3860.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	565.9	633.3	700.5	717.3	1117.7	1651.5	1918.5	2332.0	3159.1	3779.3	3820.1
115°	651.2	713.3	775.3	790.8	1128.0	1577.5	1802.3	2200.7	2997.4	3594.9	3651.4
117.5°	735.4	791.8	848.1	862.2	1149.0	1531.2	1722.3	2081.9	2800.9	3340.2	3402.8
120°	784.4	837.5	890.6	903.8	1166.1	1515.7	1690.4	2018.9	2675.9	3168.6	3229.5
122.5°	832.4	886.0	939.5	952.9	1190.6	1507.5	1665.9	1961.7	2553.3	2997.0	3057.1
125°	906.0	954.7	1003.5	1015.7	1223.5	1500.7	1639.2	1890.5	2393.1	2770.0	2825.3
127.5°	965.6	1014.9	1064.2	1076.5	1256.6	1496.8	1616.9	1832.6	2264.1	2587.8	2634.4
130°	997.6	1050.7	1103.7	1116.9	1280.8	1499.2	1608.3	1800.4	2184.6	2472.7	2515.8
132.5°	1030.7	1083.7	1136.8	1150.0	1300.2	1500.6	1600.8	1772.7	2116.7	2374.6	2413.3
135°	1079.7	1128.0	1176.3	1188.3	1321.6	1499.3	1588.1	1732.1	2020.0	2236.0	2269.3
137.5°	1129.8	1177.6	1225.4	1237.4	1353.5	1508.5	1585.9	1707.7	1951.2	2133.8	2161.0
140°	1171.4	1215.4	1259.4	1270.4	1373.1	1510.0	1578.4	1683.6	1893.9	2051.7	2077.2
142.5°	1203.3	1244.0	1284.8	1294.9	1389.4	1515.4	1578.4	1670.8	1855.6	1994.1	2016.0
145°	1252.3	1287.9	1323.4	1332.3	1410.8	1515.5	1567.8	1643.3	1794.4	1907.8	1924.4
147.5°	1301.3	1335.9	1370.5	1379.2	1442.0	1525.9	1567.8	1627.3	1746.2	1835.4	1849.1
150°	1333.3	1364.6	1395.8	1403.7	1458.4	1531.4	1567.8	1618.1	1718.4	1793.8	1804.9
152.5°	1366.3	1390.0	1413.8	1419.6	1469.0	1534.9	1567.8	1610.7	1696.4	1760.7	1769.1
155°	1415.4	1432.9	1450.5	1454.8	1492.5	1542.7	1567.8	1601.9	1670.1	1721.2	1726.8
157.5°	1451.6	1468.7	1485.8	1490.0	1516.0	1550.6	1567.8	1594.3	1647.4	1687.2	1691.1
160°	1476.1	1489.4	1502.7	1506.0	1526.6	1554.1	1567.8	1590.6	1636.0	1670.1	1672.3
162.5°	1500.6	1510.5	1520.5	1523.0	1537.9	1557.8	1567.8	1587.0	1625.3	1654.1	1656.2
165°	1527.3	1536.2	1545.3	1547.5	1554.3	1563.3	1567.8	1581.6	1609.0	1629.6	1631.8
167.5°	1551.8	1556.1	1560.3	1561.4	1567.1	1574.7	1578.4	1587.5	1605.5	1619.0	1619.9
170°	1567.8	1572.1	1576.4	1577.4	1577.7	1578.2	1578.4	1587.5	1605.5	1619.0	1619.0
172.5°	1576.3	1577.2	1578.2	1578.4	1578.4	1578.4	1578.4	1585.5	1599.8	1610.5	1609.6
175°	1588.1	1588.1	1588.1	1588.1	1584.8	1580.6	1578.4	1583.0	1591.9	1598.7	1598.7
177.5°	1588.1	1588.1	1588.1	1588.1	1585.6	1582.3	1580.6	1584.2	1591.2	1596.5	1595.6
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4700.3	4687.3	4700.3	4691.6	4696.0	4682.9	4643.9	4630.9	4643.9	4657.0	4657.0
5°	4756.6	4748.0	4756.6	4756.6	4752.4	4743.7	4700.3	4691.6	4700.3	4704.6	4696.0
7.5°	4774.0	4761.0	4774.0	4765.4	4765.4	4756.6	4713.3	4704.6	4709.0	4722.0	4709.0
10°	4774.0	4761.0	4774.0	4769.7	4765.4	4756.6	4713.3	4696.0	4696.0	4709.0	4696.0
12.5°	4752.4	4743.7	4752.4	4743.7	4743.7	4734.9	4691.6	4674.3	4678.6	4682.9	4665.6
15°	4717.6	4704.6	4717.6	4709.0	4713.3	4700.3	4652.6	4635.3	4635.3	4643.9	4613.6
17.5°	4665.6	4648.2	4665.6	4661.2	4657.0	4648.2	4604.9	4587.5	4583.3	4587.5	4565.9
20°	4604.9	4591.9	4604.9	4600.6	4600.6	4583.3	4539.9	4518.2	4518.2	4518.2	4496.5
22.5°	4509.5	4496.5	4509.5	4518.2	4518.2	4513.8	4474.8	4444.5	4435.8	4435.8	4409.8
25°	4401.1	4388.1	4401.1	4401.1	4396.8	4401.1	4388.1	4370.7	4357.8	4344.8	4318.7
27.5°	4297.0	4288.4	4297.0	4288.4	4297.0	4284.0	4279.7	4275.3	4258.0	4245.0	4210.3
30°	4193.0	4184.3	4193.0	4184.3	4175.7	4166.9	4145.3	4136.6	4154.0	4145.3	4088.9
32.5°	4062.9	4054.2	4062.9	4062.9	4054.2	4054.2	4019.5	4006.5	4010.9	4036.9	3984.8
35°	3928.5	3915.5	3928.5	3924.1	3928.5	3915.5	3893.8	3889.4	3872.1	3902.4	3863.4
37.5°	3772.3	3759.4	3772.3	3772.3	3772.3	3781.1	3763.7	3750.7	3724.7	3763.7	3733.4
40°	3611.9	3594.6	3611.9	3607.6	3611.9	3620.6	3611.9	3603.3	3577.3	3607.6	3581.6
42.5°	3429.8	3425.5	3429.8	3434.2	3434.2	3451.5	3464.5	3447.2	3438.5	3416.9	3434.2
45°	3234.7	3226.0	3234.7	3243.4	3247.7	3256.4	3295.4	3295.4	3282.4	3247.7	3273.7
47.5°	3026.6	3004.9	3026.6	3052.6	3052.6	3065.6	3104.6	3135.0	3113.3	3069.9	3083.0
50°	2805.5	2809.7	2805.5	2822.8	2822.8	2870.5	2900.8	2931.2	2952.9	2900.8	2840.1
52.5°	2588.6	2584.3	2588.6	2601.7	2619.0	2640.6	2692.7	2723.0	2757.7	2727.4	2632.0
55°	2371.8	2380.5	2371.8	2376.2	2384.8	2397.9	2475.9	2506.3	2571.3	2532.2	2432.6
57.5°	2155.1	2142.0	2155.1	2163.7	2168.0	2181.0	2246.1	2302.5	2341.5	2345.8	2224.4
60°	1903.5	1886.2	1903.5	1942.5	1951.3	1959.9	2020.6	2072.6	2107.3	2120.4	1994.6
62.5°	1682.4	1652.1	1682.4	1708.4	1725.8	1747.5	1790.8	1868.8	1899.2	1903.5	1725.8
65°	1448.3	1435.3	1448.3	1500.3	1504.6	1530.6	1578.3	1634.7	1699.7	1691.1	1435.3
67.5°	1235.8	1235.8	1235.8	1270.4	1296.5	1309.5	1370.2	1396.2	1478.6	1487.3	1196.7
70°	1040.7	1036.3	1040.7	1066.6	1084.0	1114.4	1170.8	1201.1	1266.2	1287.8	971.3
72.5°	854.2	849.9	854.2	875.9	893.2	919.2	967.0	1001.6	1058.0	1084.0	754.5
75°	689.5	680.7	689.5	706.8	702.4	737.1	776.1	810.8	862.8	880.2	559.4
77.5°	529.0	529.0	529.0	546.4	546.4	581.1	598.4	641.7	672.1	698.1	411.9
80°	394.6	390.3	394.6	398.9	398.9	416.3	446.6	476.9	503.0	503.0	281.9
82.5°	277.5	268.8	277.5	277.5	277.5	286.2	303.6	312.2	329.5	342.6	177.7
85°	173.5	173.5	173.5	177.7	173.5	182.1	186.5	195.1	195.1	186.5	108.4
87.5°	112.7	108.4	112.7	108.4	108.4	104.0	104.0	104.0	99.8	95.4	60.7
90°	40.5	40.5	40.5	40.5	40.5	54.0	72.0	81.0	69.6	46.9	29.8
92.5°	162.2	130.0	162.2	194.5	202.5	287.1	399.8	456.2	400.5	289.2	205.7
95°	565.4	467.9	565.4	663.0	687.4	902.7	1189.8	1333.3	1126.1	711.6	400.8
97.5°	1354.9	1169.2	1354.9	1540.6	1587.0	1723.0	1904.4	1995.2	1649.6	958.5	440.2
100°	1952.1	1730.9	1952.1	2173.3	2228.6	2218.7	2205.4	2198.8	1815.3	1048.4	473.2
102.5°	2539.6	2350.1	2539.6	2729.0	2776.4	2603.0	2371.9	2256.3	1867.5	1089.6	506.2
105°	3288.6	3186.8	3288.6	3390.5	3415.9	3027.3	2509.1	2249.9	1873.4	1120.2	555.3
107.5°	3779.3	3803.9	3779.3	3754.6	3748.4	3206.3	2483.5	2122.0	1789.9	1125.8	627.8
110°	3966.3	4072.5	3966.3	3860.2	3833.7	3227.6	2419.5	2015.4	1716.0	1117.3	668.3



TEST NUMBER: P935325

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3983.1	4146.0	3983.1	3820.1	3779.3	3159.1	2332.0	1918.5	1651.5	1117.7	717.3
115°	3877.4	4103.3	3877.4	3651.4	3594.9	2997.4	2200.7	1802.3	1577.5	1128.0	790.8
117.5°	3653.4	3904.0	3653.4	3402.8	3340.2	2800.9	2081.9	1722.3	1531.2	1149.0	862.2
120°	3473.0	3716.5	3473.0	3229.5	3168.6	2675.9	2018.9	1690.4	1515.7	1166.1	903.8
122.5°	3297.2	3537.4	3297.2	3057.1	2997.0	2553.3	1961.7	1665.9	1507.5	1190.6	952.9
125°	3046.5	3267.7	3046.5	2825.3	2770.0	2393.1	1890.5	1639.2	1500.7	1223.5	1015.7
127.5°	2821.1	3007.7	2821.1	2634.4	2587.8	2264.1	1832.6	1616.9	1496.8	1256.6	1076.5
130°	2688.2	2860.6	2688.2	2515.8	2472.7	2184.6	1800.4	1608.3	1499.2	1280.8	1116.9
132.5°	2567.7	2722.1	2567.7	2413.3	2374.6	2116.7	1772.7	1600.8	1500.6	1300.2	1150.0
135°	2402.4	2535.6	2402.4	2269.3	2236.0	2020.0	1732.1	1588.1	1499.3	1321.6	1188.3
137.5°	2269.9	2378.9	2269.9	2161.0	2133.8	1951.2	1707.7	1585.9	1508.5	1353.5	1237.4
140°	2179.1	2280.9	2179.1	2077.2	2051.7	1893.9	1683.6	1578.4	1510.0	1373.1	1270.4
142.5°	2103.6	2191.3	2103.6	2016.0	1994.1	1855.6	1670.8	1578.4	1515.4	1389.4	1294.9
145°	1990.7	2057.0	1990.7	1924.4	1907.8	1794.4	1643.3	1567.8	1515.5	1410.8	1332.3
147.5°	1904.0	1958.9	1904.0	1849.1	1835.4	1746.2	1627.3	1567.8	1525.9	1442.0	1379.2
150°	1849.4	1893.9	1849.4	1804.9	1793.8	1718.4	1618.1	1567.8	1531.4	1458.4	1403.7
152.5°	1802.7	1836.4	1802.7	1769.1	1760.7	1696.4	1610.7	1567.8	1534.9	1469.0	1419.6
155°	1749.1	1771.4	1749.1	1726.8	1721.2	1670.1	1601.9	1567.8	1542.7	1492.5	1454.8
157.5°	1706.7	1722.3	1706.7	1691.1	1687.2	1647.4	1594.3	1567.8	1550.6	1516.0	1490.0
160°	1681.4	1690.4	1681.4	1672.3	1670.1	1636.0	1590.6	1567.8	1554.1	1526.6	1506.0
162.5°	1664.8	1673.3	1664.8	1656.2	1654.1	1625.3	1587.0	1567.8	1557.8	1537.9	1523.0
165°	1640.9	1649.8	1640.9	1631.8	1629.6	1609.0	1581.6	1567.8	1563.3	1554.3	1547.5
167.5°	1623.7	1627.5	1623.7	1619.9	1619.0	1605.5	1587.5	1578.4	1574.7	1567.1	1561.4
170°	1619.0	1619.0	1619.0	1619.0	1619.0	1605.5	1587.5	1578.4	1578.2	1577.7	1577.4
172.5°	1606.3	1602.9	1606.3	1609.6	1610.5	1599.8	1585.5	1578.4	1578.4	1578.4	1578.4
175°	1598.7	1598.7	1598.7	1598.7	1598.7	1591.9	1583.0	1578.4	1580.6	1584.8	1588.1
177.5°	1591.8	1588.1	1591.8	1595.6	1596.5	1591.2	1584.2	1580.6	1582.3	1585.6	1588.1
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4648.2	4622.3	4622.3	4578.9	4561.6	4548.6	4526.9	4461.8	4444.5	4427.1	4453.2
5°	4687.3	4639.6	4604.9	4526.9	4461.8	4435.8	4353.4	4197.3	4093.2	4015.2	3971.9
7.5°	4696.0	4635.3	4570.2	4448.8	4292.7	4223.3	3971.9	3685.6	3607.6	3538.2	3494.8
10°	4687.3	4617.9	4526.9	4344.8	3976.1	3854.8	3603.3	3416.9	3369.1	3356.1	3369.1
12.5°	4657.0	4591.9	4466.1	4162.6	3646.6	3564.3	3416.9	3308.4	3299.8	3321.4	3438.5
15°	4604.9	4544.2	4396.8	3919.8	3464.5	3403.8	3299.8	3260.7	3308.4	3460.2	3811.4
17.5°	4552.8	4483.5	4301.4	3681.3	3325.8	3282.4	3208.7	3286.8	3555.6	3759.4	3876.5
20°	4483.5	4401.1	4193.0	3507.9	3226.0	3187.0	3152.3	3503.5	3707.3	3781.1	3846.1
22.5°	4401.1	4314.4	4045.6	3386.4	3122.0	3091.6	3113.3	3624.9	3707.3	3759.4	3815.7
25°	4292.7	4219.0	3872.1	3291.0	3039.6	3004.9	3087.2	3611.9	3659.6	3672.7	3785.4
27.5°	4193.0	4097.6	3690.0	3204.3	2939.8	2926.8	3108.9	3555.6	3590.2	3603.3	3724.7
30°	4071.5	3928.5	3486.2	3113.3	2835.8	2831.4	3113.3	3486.2	3477.5	3512.2	3633.6
32.5°	3945.8	3677.0	3256.4	3000.6	2736.0	2731.8	3083.0	3382.1	3373.5	3421.1	3512.2
35°	3828.7	3481.9	2944.2	2870.5	2610.3	2614.7	3009.3	3260.7	3265.1	3308.4	3364.8
37.5°	3707.3	3312.7	2601.7	2727.4	2488.9	2488.9	2909.5	3148.0	3139.3	3152.3	3230.4
40°	3564.3	3048.2	2298.1	2540.9	2376.2	2363.1	2788.1	3026.6	2996.2	2991.9	3100.3
42.5°	3412.5	2757.7	2072.6	2293.8	2246.1	2228.8	2640.6	2879.2	2822.8	2835.8	2974.5
45°	3247.7	2679.7	1899.2	1938.2	2111.7	2098.7	2480.2	2710.1	2671.0	2705.7	2848.8
47.5°	3083.0	2523.6	1842.9	1608.7	1968.6	1964.2	2302.5	2545.3	2523.6	2558.3	2710.1
50°	2857.5	2350.1	1838.5	1378.9	1808.1	1825.4	2090.0	2384.8	2384.8	2415.2	2575.6
52.5°	2566.9	2137.7	1669.4	1248.8	1621.6	1673.7	1903.5	2246.1	2254.7	2285.1	2428.2
55°	2302.5	1916.6	1547.9	1149.1	1400.5	1513.3	1721.4	2102.9	2120.4	2150.7	2280.8
57.5°	2059.6	1595.7	1522.0	1032.0	1196.7	1305.2	1561.0	1964.2	1973.0	1998.9	2124.6
60°	1799.5	1153.4	1396.2	906.2	1019.0	1101.4	1413.6	1799.5	1829.8	1847.1	1955.5
62.5°	1504.6	836.9	1266.2	819.5	932.3	949.6	1292.1	1643.3	1682.4	1695.4	1760.4
65°	1071.0	702.4	1075.3	745.8	841.2	845.5	1162.0	1482.9	1517.6	1539.3	1587.0
67.5°	724.1	572.4	819.5	676.4	771.8	776.1	1036.3	1296.5	1344.1	1361.6	1391.9
70°	503.0	381.5	607.0	602.7	693.8	702.4	901.9	1127.4	1170.8	1183.7	1201.1
72.5°	368.6	307.8	503.0	542.0	611.4	620.1	763.2	936.6	979.9	992.9	1001.6
75°	281.9	325.2	407.6	472.6	520.3	524.7	624.4	763.2	793.5	802.2	806.5
77.5°	225.5	303.6	299.2	381.5	424.9	416.3	490.0	589.7	615.7	615.7	615.7
80°	169.1	238.5	225.5	273.2	312.2	303.6	351.2	420.6	429.3	437.9	433.6
82.5°	125.7	151.8	151.8	173.5	208.2	199.4	234.1	273.2	273.2	273.2	281.9
85°	78.1	86.7	69.4	91.1	117.1	112.7	130.1	147.4	151.8	151.8	143.1
87.5°	47.7	39.0	21.7	34.7	52.0	52.0	60.7	65.0	60.7	60.7	60.7
90°	27.7	19.2	10.7	19.2	27.7	29.8	46.9	69.6	81.0	72.0	54.0
92.5°	187.6	115.1	42.6	115.1	187.6	205.7	289.2	400.5	456.2	399.8	287.1
95°	367.6	235.0	102.3	235.0	367.6	400.8	711.6	1126.1	1333.3	1189.8	902.7
97.5°	410.9	293.9	176.9	293.9	410.9	440.2	958.5	1649.6	1995.2	1904.4	1723.0
100°	446.6	340.5	234.5	340.5	446.6	473.2	1048.4	1815.3	2198.8	2205.4	2218.7
102.5°	481.5	382.5	283.5	382.5	481.5	506.2	1089.6	1867.5	2256.3	2371.9	2603.0
105°	534.3	450.5	366.7	450.5	534.3	555.3	1120.2	1873.4	2249.9	2509.1	3027.3
107.5°	608.2	530.1	451.9	530.1	608.2	627.8	1125.8	1789.9	2122.0	2483.5	3206.3
110°	650.6	580.0	509.5	580.0	650.6	668.3	1117.3	1716.0	2015.4	2419.5	3227.6



TEST NUMBER: P935325

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	700.5	633.3	565.9	633.3	700.5	717.3	1117.7	1651.5	1918.5	2332.0	3159.1
115°	775.3	713.3	651.2	713.3	775.3	790.8	1128.0	1577.5	1802.3	2200.7	2997.4
117.5°	848.1	791.8	735.4	791.8	848.1	862.2	1149.0	1531.2	1722.3	2081.9	2800.9
120°	890.6	837.5	784.4	837.5	890.6	903.8	1166.1	1515.7	1690.4	2018.9	2675.9
122.5°	939.5	886.0	832.4	886.0	939.5	952.9	1190.6	1507.5	1665.9	1961.7	2553.3
125°	1003.5	954.7	906.0	954.7	1003.5	1015.7	1223.5	1500.7	1639.2	1890.5	2393.1
127.5°	1064.2	1014.9	965.6	1014.9	1064.2	1076.5	1256.6	1496.8	1616.9	1832.6	2264.1
130°	1103.7	1050.7	997.6	1050.7	1103.7	1116.9	1280.8	1499.2	1608.3	1800.4	2184.6
132.5°	1136.8	1083.7	1030.7	1083.7	1136.8	1150.0	1300.2	1500.6	1600.8	1772.7	2116.7
135°	1176.3	1128.0	1079.7	1128.0	1176.3	1188.3	1321.6	1499.3	1588.1	1732.1	2020.0
137.5°	1225.4	1177.6	1129.8	1177.6	1225.4	1237.4	1353.5	1508.5	1585.9	1707.7	1951.2
140°	1259.4	1215.4	1171.4	1215.4	1259.4	1270.4	1373.1	1510.0	1578.4	1683.6	1893.9
142.5°	1284.8	1244.0	1203.3	1244.0	1284.8	1294.9	1389.4	1515.4	1578.4	1670.8	1855.6
145°	1323.4	1287.9	1252.3	1287.9	1323.4	1332.3	1410.8	1515.5	1567.8	1643.3	1794.4
147.5°	1370.5	1335.9	1301.3	1335.9	1370.5	1379.2	1442.0	1525.9	1567.8	1627.3	1746.2
150°	1395.8	1364.6	1333.3	1364.6	1395.8	1403.7	1458.4	1531.4	1567.8	1618.1	1718.4
152.5°	1413.8	1390.0	1366.3	1390.0	1413.8	1419.6	1469.0	1534.9	1567.8	1610.7	1696.4
155°	1450.5	1432.9	1415.4	1432.9	1450.5	1454.8	1492.5	1542.7	1567.8	1601.9	1670.1
157.5°	1485.8	1468.7	1451.6	1468.7	1485.8	1490.0	1516.0	1550.6	1567.8	1594.3	1647.4
160°	1502.7	1489.4	1476.1	1489.4	1502.7	1506.0	1526.6	1554.1	1567.8	1590.6	1636.0
162.5°	1520.5	1510.5	1500.6	1510.5	1520.5	1523.0	1537.9	1557.8	1567.8	1587.0	1625.3
165°	1545.3	1536.2	1527.3	1536.2	1545.3	1547.5	1554.3	1563.3	1567.8	1581.6	1609.0
167.5°	1560.3	1556.1	1551.8	1556.1	1560.3	1561.4	1567.1	1574.7	1578.4	1587.5	1605.5
170°	1576.4	1572.1	1567.8	1572.1	1576.4	1577.4	1577.7	1578.2	1578.4	1587.5	1605.5
172.5°	1578.2	1577.2	1576.3	1577.2	1578.2	1578.4	1578.4	1578.4	1578.4	1585.5	1599.8
175°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1584.8	1580.6	1578.4	1583.0
177.5°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1585.6	1582.3	1580.6	1584.2
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



TEST NUMBER: P935325
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4422.8	4409.8	4427.1	4379.5	4427.1	4409.8	4422.8	4453.2	4427.1	4444.5	4461.8
5°	3880.8	3859.1	3789.7	3733.4	3789.7	3859.1	3880.8	3971.9	4015.2	4093.2	4197.3
7.5°	3468.9	3451.5	3434.2	3399.5	3434.2	3451.5	3468.9	3494.8	3538.2	3607.6	3685.6
10°	3377.8	3382.1	3408.1	3403.8	3408.1	3382.1	3377.8	3369.1	3356.1	3369.1	3416.9
12.5°	3611.9	3651.0	3794.0	3785.4	3794.0	3651.0	3611.9	3438.5	3321.4	3299.8	3308.4
15°	3880.8	3893.8	3924.1	3928.5	3924.1	3893.8	3880.8	3811.4	3460.2	3308.4	3260.7
17.5°	3906.8	3911.1	3932.8	3932.8	3932.8	3911.1	3906.8	3876.5	3759.4	3555.6	3286.8
20°	3885.1	3893.8	3937.2	3945.8	3937.2	3893.8	3885.1	3846.1	3781.1	3707.3	3503.5
22.5°	3876.5	3893.8	3928.5	3924.1	3928.5	3893.8	3876.5	3815.7	3759.4	3707.3	3624.9
25°	3833.1	3833.1	3837.4	3841.8	3837.4	3833.1	3833.1	3785.4	3672.7	3659.6	3611.9
27.5°	3742.0	3750.7	3776.7	3772.3	3776.7	3750.7	3742.0	3724.7	3603.3	3590.2	3555.6
30°	3659.6	3651.0	3629.3	3611.9	3629.3	3651.0	3659.6	3633.6	3512.2	3477.5	3486.2
32.5°	3520.9	3499.2	3477.5	3464.5	3477.5	3499.2	3520.9	3512.2	3421.1	3373.5	3382.1
35°	3356.1	3360.5	3356.1	3343.1	3356.1	3360.5	3356.1	3364.8	3308.4	3265.1	3260.7
37.5°	3239.0	3247.7	3243.4	3226.0	3243.4	3247.7	3239.0	3230.4	3152.3	3139.3	3148.0
40°	3117.7	3122.0	3117.7	3104.6	3117.7	3122.0	3117.7	3100.3	2991.9	2996.2	3026.6
42.5°	3000.6	2996.2	2983.2	2974.5	2983.2	2996.2	3000.6	2974.5	2835.8	2822.8	2879.2
45°	2866.1	2870.5	2844.4	2831.4	2844.4	2870.5	2866.1	2848.8	2705.7	2671.0	2710.1
47.5°	2731.8	2731.8	2710.1	2697.0	2710.1	2731.8	2731.8	2710.1	2558.3	2523.6	2545.3
50°	2588.6	2584.3	2553.9	2549.6	2553.9	2584.3	2588.6	2575.6	2415.2	2384.8	2384.8
52.5°	2423.8	2423.8	2428.2	2436.8	2428.2	2423.8	2423.8	2428.2	2285.1	2254.7	2246.1
55°	2280.8	2285.1	2315.5	2324.2	2315.5	2285.1	2280.8	2280.8	2150.7	2120.4	2102.9
57.5°	2133.4	2133.4	2155.1	2155.1	2155.1	2133.4	2133.4	2124.6	1998.9	1973.0	1964.2
60°	1964.2	1973.0	1990.3	1985.9	1990.3	1973.0	1964.2	1955.5	1847.1	1829.8	1799.5
62.5°	1786.5	1795.1	1799.5	1790.8	1799.5	1795.1	1786.5	1760.4	1695.4	1682.4	1643.3
65°	1600.0	1608.7	1613.0	1604.3	1613.0	1608.7	1600.0	1587.0	1539.3	1517.6	1482.9
67.5°	1409.2	1404.9	1400.5	1417.9	1400.5	1404.9	1409.2	1391.9	1361.6	1344.1	1296.5
70°	1214.1	1214.1	1209.8	1218.4	1209.8	1214.1	1214.1	1201.1	1183.7	1170.8	1127.4
72.5°	1006.0	1001.6	1019.0	1006.0	1019.0	1001.6	1006.0	1001.6	992.9	979.9	936.6
75°	802.2	810.8	802.2	815.2	802.2	810.8	802.2	806.5	802.2	793.5	763.2
77.5°	611.4	620.1	611.4	611.4	611.4	620.1	611.4	615.7	615.7	615.7	589.7
80°	433.6	429.3	429.3	424.9	429.3	429.3	433.6	433.6	437.9	429.3	420.6
82.5°	277.5	273.2	273.2	281.9	273.2	273.2	277.5	281.9	273.2	273.2	273.2
85°	151.8	156.1	147.4	147.4	147.4	156.1	151.8	143.1	151.8	151.8	147.4
87.5°	56.4	52.0	52.0	52.0	52.0	52.0	56.4	60.7	60.7	60.7	65.0
90°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	54.0	72.0	81.0	69.6
92.5°	202.5	194.5	162.2	130.0	162.2	194.5	202.5	287.1	399.8	456.2	400.5
95°	687.4	663.0	565.4	467.9	565.4	663.0	687.4	902.7	1189.8	1333.3	1126.1
97.5°	1587.0	1540.6	1354.9	1169.2	1354.9	1540.6	1587.0	1723.0	1904.4	1995.2	1649.6
100°	2228.6	2173.3	1952.1	1730.9	1952.1	2173.3	2228.6	2218.7	2205.4	2198.8	1815.3
102.5°	2776.4	2729.0	2539.6	2350.1	2539.6	2729.0	2776.4	2603.0	2371.9	2256.3	1867.5
105°	3415.9	3390.5	3288.6	3186.8	3288.6	3390.5	3415.9	3027.3	2509.1	2249.9	1873.4
107.5°	3748.4	3754.6	3779.3	3803.9	3779.3	3754.6	3748.4	3206.3	2483.5	2122.0	1789.9
110°	3833.7	3860.2	3966.3	4072.5	3966.3	3860.2	3833.7	3227.6	2419.5	2015.4	1716.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3779.3	3820.1	3983.1	4146.0	3983.1	3820.1	3779.3	3159.1	2332.0	1918.5	1651.5
115°	3594.9	3651.4	3877.4	4103.3	3877.4	3651.4	3594.9	2997.4	2200.7	1802.3	1577.5
117.5°	3340.2	3402.8	3653.4	3904.0	3653.4	3402.8	3340.2	2800.9	2081.9	1722.3	1531.2
120°	3168.6	3229.5	3473.0	3716.5	3473.0	3229.5	3168.6	2675.9	2018.9	1690.4	1515.7
122.5°	2997.0	3057.1	3297.2	3537.4	3297.2	3057.1	2997.0	2553.3	1961.7	1665.9	1507.5
125°	2770.0	2825.3	3046.5	3267.7	3046.5	2825.3	2770.0	2393.1	1890.5	1639.2	1500.7
127.5°	2587.8	2634.4	2821.1	3007.7	2821.1	2634.4	2587.8	2264.1	1832.6	1616.9	1496.8
130°	2472.7	2515.8	2688.2	2860.6	2688.2	2515.8	2472.7	2184.6	1800.4	1608.3	1499.2
132.5°	2374.6	2413.3	2567.7	2722.1	2567.7	2413.3	2374.6	2116.7	1772.7	1600.8	1500.6
135°	2236.0	2269.3	2402.4	2535.6	2402.4	2269.3	2236.0	2020.0	1732.1	1588.1	1499.3
137.5°	2133.8	2161.0	2269.9	2378.9	2269.9	2161.0	2133.8	1951.2	1707.7	1585.9	1508.5
140°	2051.7	2077.2	2179.1	2280.9	2179.1	2077.2	2051.7	1893.9	1683.6	1578.4	1510.0
142.5°	1994.1	2016.0	2103.6	2191.3	2103.6	2016.0	1994.1	1855.6	1670.8	1578.4	1515.4
145°	1907.8	1924.4	1990.7	2057.0	1990.7	1924.4	1907.8	1794.4	1643.3	1567.8	1515.5
147.5°	1835.4	1849.1	1904.0	1958.9	1904.0	1849.1	1835.4	1746.2	1627.3	1567.8	1525.9
150°	1793.8	1804.9	1849.4	1893.9	1849.4	1804.9	1793.8	1718.4	1618.1	1567.8	1531.4
152.5°	1760.7	1769.1	1802.7	1836.4	1802.7	1769.1	1760.7	1696.4	1610.7	1567.8	1534.9
155°	1721.2	1726.8	1749.1	1771.4	1749.1	1726.8	1721.2	1670.1	1601.9	1567.8	1542.7
157.5°	1687.2	1691.1	1706.7	1722.3	1706.7	1691.1	1687.2	1647.4	1594.3	1567.8	1550.6
160°	1670.1	1672.3	1681.4	1690.4	1681.4	1672.3	1670.1	1636.0	1590.6	1567.8	1554.1
162.5°	1654.1	1656.2	1664.8	1673.3	1664.8	1656.2	1654.1	1625.3	1587.0	1567.8	1557.8
165°	1629.6	1631.8	1640.9	1649.8	1640.9	1631.8	1629.6	1609.0	1581.6	1567.8	1563.3
167.5°	1619.0	1619.9	1623.7	1627.5	1623.7	1619.9	1619.0	1605.5	1587.5	1578.4	1574.7
170°	1619.0	1619.0	1619.0	1619.0	1619.0	1619.0	1619.0	1605.5	1587.5	1578.4	1578.2
172.5°	1610.5	1609.6	1606.3	1602.9	1606.3	1609.6	1610.5	1599.8	1585.5	1578.4	1578.4
175°	1598.7	1598.7	1598.7	1598.7	1598.7	1598.7	1598.7	1591.9	1583.0	1578.4	1580.6
177.5°	1596.5	1595.6	1591.8	1588.1	1591.8	1595.6	1596.5	1591.2	1584.2	1580.6	1582.3
180°	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1	1588.1



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CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4526.9	4548.6	4561.6	4578.9	4622.3
5°	4353.4	4435.8	4461.8	4526.9	4604.9
7.5°	3971.9	4223.3	4292.7	4448.8	4570.2
10°	3603.3	3854.8	3976.1	4344.8	4526.9
12.5°	3416.9	3564.3	3646.6	4162.6	4466.1
15°	3299.8	3403.8	3464.5	3919.8	4396.8
17.5°	3208.7	3282.4	3325.8	3681.3	4301.4
20°	3152.3	3187.0	3226.0	3507.9	4193.0
22.5°	3113.3	3091.6	3122.0	3386.4	4045.6
25°	3087.2	3004.9	3039.6	3291.0	3872.1
27.5°	3108.9	2926.8	2939.8	3204.3	3690.0
30°	3113.3	2831.4	2835.8	3113.3	3486.2
32.5°	3083.0	2731.8	2736.0	3000.6	3256.4
35°	3009.3	2614.7	2610.3	2870.5	2944.2
37.5°	2909.5	2488.9	2488.9	2727.4	2601.7
40°	2788.1	2363.1	2376.2	2540.9	2298.1
42.5°	2640.6	2228.8	2246.1	2293.8	2072.6
45°	2480.2	2098.7	2111.7	1938.2	1899.2
47.5°	2302.5	1964.2	1968.6	1608.7	1842.9
50°	2090.0	1825.4	1808.1	1378.9	1838.5
52.5°	1903.5	1673.7	1621.6	1248.8	1669.4
55°	1721.4	1513.3	1400.5	1149.1	1547.9
57.5°	1561.0	1305.2	1196.7	1032.0	1522.0
60°	1413.6	1101.4	1019.0	906.2	1396.2
62.5°	1292.1	949.6	932.3	819.5	1266.2
65°	1162.0	845.5	841.2	745.8	1075.3
67.5°	1036.3	776.1	771.8	676.4	819.5
70°	901.9	702.4	693.8	602.7	607.0
72.5°	763.2	620.1	611.4	542.0	503.0
75°	624.4	524.7	520.3	472.6	407.6
77.5°	490.0	416.3	424.9	381.5	299.2
80°	351.2	303.6	312.2	273.2	225.5
82.5°	234.1	199.4	208.2	173.5	151.8
85°	130.1	112.7	117.1	91.1	69.4
87.5°	60.7	52.0	52.0	34.7	21.7
90°	46.9	29.8	27.7	19.2	10.7
92.5°	289.2	205.7	187.6	115.1	42.6
95°	711.6	400.8	367.6	235.0	102.3
97.5°	958.5	440.2	410.9	293.9	176.9
100°	1048.4	473.2	446.6	340.5	234.5
102.5°	1089.6	506.2	481.5	382.5	283.5
105°	1120.2	555.3	534.3	450.5	366.7
107.5°	1125.8	627.8	608.2	530.1	451.9
110°	1117.3	668.3	650.6	580.0	509.5



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CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1117.7	717.3	700.5	633.3	565.9
115°	1128.0	790.8	775.3	713.3	651.2
117.5°	1149.0	862.2	848.1	791.8	735.4
120°	1166.1	903.8	890.6	837.5	784.4
122.5°	1190.6	952.9	939.5	886.0	832.4
125°	1223.5	1015.7	1003.5	954.7	906.0
127.5°	1256.6	1076.5	1064.2	1014.9	965.6
130°	1280.8	1116.9	1103.7	1050.7	997.6
132.5°	1300.2	1150.0	1136.8	1083.7	1030.7
135°	1321.6	1188.3	1176.3	1128.0	1079.7
137.5°	1353.5	1237.4	1225.4	1177.6	1129.8
140°	1373.1	1270.4	1259.4	1215.4	1171.4
142.5°	1389.4	1294.9	1284.8	1244.0	1203.3
145°	1410.8	1332.3	1323.4	1287.9	1252.3
147.5°	1442.0	1379.2	1370.5	1335.9	1301.3
150°	1458.4	1403.7	1395.8	1364.6	1333.3
152.5°	1469.0	1419.6	1413.8	1390.0	1366.3
155°	1492.5	1454.8	1450.5	1432.9	1415.4
157.5°	1516.0	1490.0	1485.8	1468.7	1451.6
160°	1526.6	1506.0	1502.7	1489.4	1476.1
162.5°	1537.9	1523.0	1520.5	1510.5	1500.6
165°	1554.3	1547.5	1545.3	1536.2	1527.3
167.5°	1567.1	1561.4	1560.3	1556.1	1551.8
170°	1577.7	1577.4	1576.4	1572.1	1567.8
172.5°	1578.4	1578.4	1578.2	1577.2	1576.3
175°	1584.8	1588.1	1588.1	1588.1	1588.1
177.5°	1585.6	1588.1	1588.1	1588.1	1588.1
180°	1588.1	1588.1	1588.1	1588.1	1588.1



TEST NUMBER: P935325
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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	14.35	15.25	15.28	16.19	17.41	17.20	18.10	18.13	19.04	20.26
	3H	14.83	15.63	15.77	16.58	17.83	18.56	19.36	19.49	20.31	21.55
	4H	15.02	15.78	15.97	16.74	17.99	19.01	19.77	19.96	20.72	21.97
	6H	15.14	15.84	16.11	16.80	18.07	19.30	20.00	20.26	20.96	22.23
	8H	15.15	15.81	16.12	16.79	18.05	19.38	20.04	20.35	21.02	22.28
	12H	15.12	15.75	16.09	16.72	18.01	19.42	20.05	20.40	21.03	22.31
4H	2H	15.39	16.15	16.35	17.11	18.36	17.61	18.37	18.57	19.33	20.58
	3H	16.42	17.05	17.39	18.04	19.31	19.13	19.76	20.10	20.75	22.02
	4H	16.70	17.28	17.68	18.26	19.55	19.66	20.24	20.64	21.22	22.51
	6H	16.83	17.32	17.82	18.33	19.62	20.04	20.53	21.03	21.54	22.83
	8H	16.83	17.30	17.82	18.30	19.60	20.15	20.61	21.14	21.61	22.91
	12H	16.80	17.22	17.81	18.24	19.54	20.21	20.63	21.22	21.64	22.95
8H	4H	17.16	17.62	18.15	18.62	19.93	19.79	20.25	20.78	21.25	22.56
	6H	17.42	17.81	18.44	18.85	20.15	20.23	20.62	21.25	21.66	22.96
	8H	17.47	17.80	18.49	18.83	20.15	20.39	20.73	21.41	21.75	23.07
	12H	17.45	17.75	18.48	18.77	20.13	20.49	20.79	21.52	21.81	23.18
12H	4H	17.17	17.59	18.18	18.60	19.91	19.76	20.18	20.77	21.19	22.50
	6H	17.48	17.82	18.51	18.85	20.17	20.23	20.57	21.26	21.60	22.92
	8H	17.55	17.85	18.58	18.87	20.24	20.40	20.70	21.43	21.72	23.08