

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: P935356

Luminaire Tested: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935356
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-93050-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

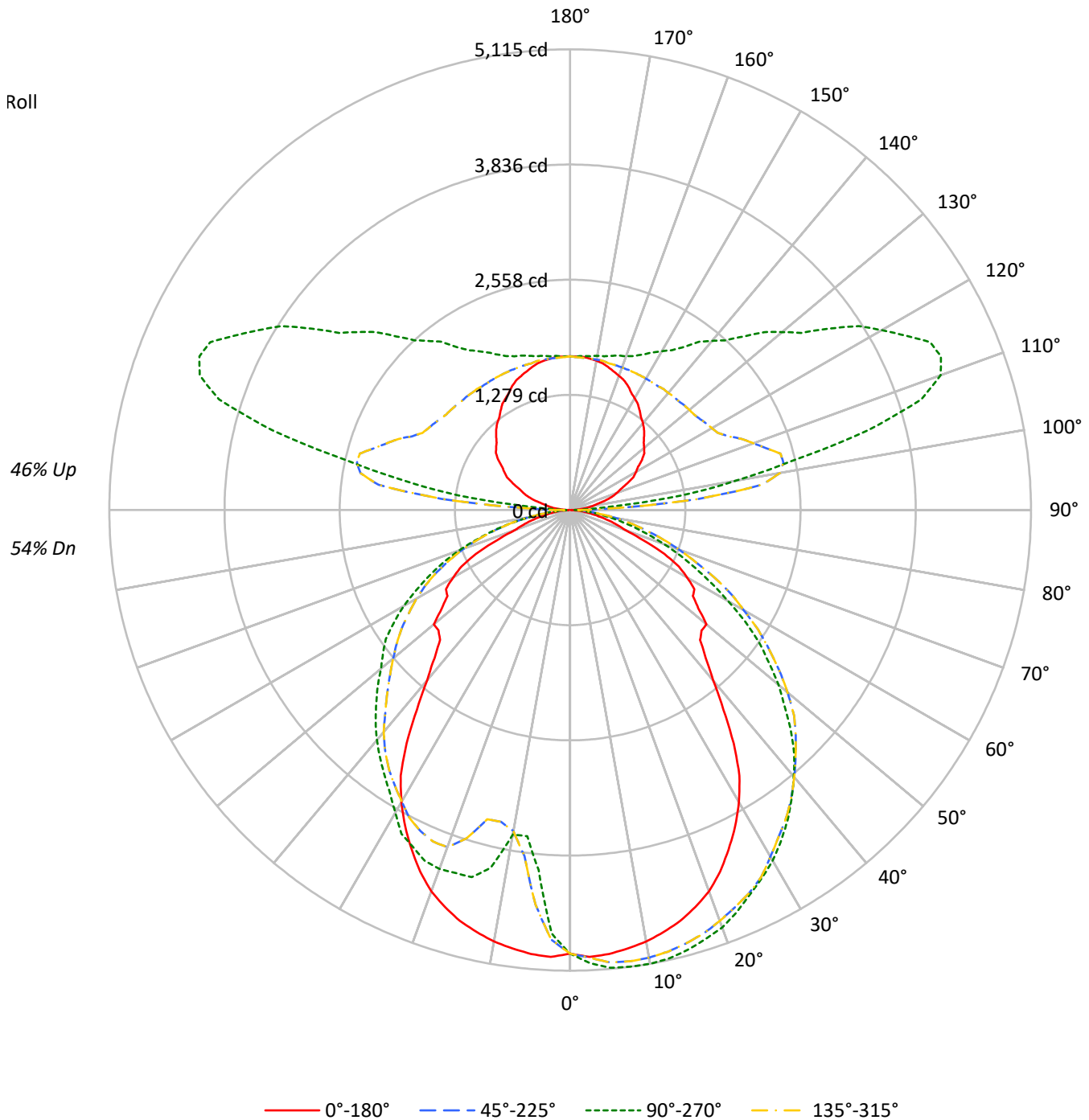
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23835.3 lumens
Efficiency: N/A
Efficacy: 115.5 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 (A_{in}): 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°	15232	15232	15232	15232
5°	15351	15375	15351	12090
10°	15254	15145	15254	10828
15°	15093	14817	15093	12373
20°	14784	14428	14784	12399
25°	14143	13862	14143	12136
30°	13314	13391	13314	11559
35°	11875	12796	11875	10925
40°	9901	12095	9901	10446
45°	8852	11274	8852	9895
50°	9412	10295	9412	9342
55°	8863	9242	8863	9023
60°	9148	7849	9148	8264
65°	8308	6488	8308	7252
70°	5766	5171	5766	6079
75°	5075	3822	5075	4577
80°	4121	2527	4121	2752
85°	2414	1339	2414	1138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13558 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.5	1.9
10°-20°	1262.1	5.3
20°-30°	1950.9	8.2
30°-40°	2329.0	9.8
40°-50°	2342.7	9.8
50°-60°	2038.4	8.6
60°-70°	1445.3	6.1
70°-80°	764.6	3.2
80°-90°	196.9	0.8
90°-100°	831.7	3.5
100°-110°	2186.6	9.2
110°-120°	2267.3	9.5
120°-130°	1818.6	7.6
130°-140°	1427.0	6.0
140°-150°	1095.3	4.6
150°-160°	788.8	3.3
160°-170°	482.6	2.0
170°-180°	163.0	0.7
0°-30°	3657.5	15.3
0°-40°	5986.5	25.1
0°-60°	10367.6	43.5
0°-90°	12774.4	53.6
90°-120°	5285.6	22.2
90°-150°	9626.5	40.4
90°-180°	11061.0	46.4
0°-180°	23835.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4924	4924	4924	4924	4924	
5°	4948	5101	4948	4011	4948	469
15°	4724	5055	4724	4221	4724	1329
25°	4160	4715	4160	4128	4160	1910
35°	3163	4207	3163	3592	3163	1957
45°	2040	3466	2040	3042	2040	1635
55°	1663	2558	1663	2497	1663	1528
65°	1155	1542	1155	1724	1155	1104
75°	438	731	438	876	438	460
85°	74	186	74	158	74	101
90°	12	44	12	44	12	13
95°	110	503	110	503	110	122
105°	394	3424	394	3424	394	418
115°	700	4409	700	4409	700	691
125°	973	3511	973	3511	973	864
135°	1160	2724	1160	2724	1160	898
145°	1346	2210	1346	2210	1346	843
155°	1521	1903	1521	1903	1521	699
165°	1641	1773	1641	1773	1641	463
175°	1706	1718	1706	1718	1706	162
180°	1706	1706	1706	1706	1706	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	4966.3	4966.3	4994.2	5003.5	5003.5	4989.5	4975.6	4989.5	5031.4	5045.5	5040.8
5°	4947.6	4984.9	5036.1	5045.5	5054.8	5050.1	5040.8	5050.1	5096.7	5106.1	5110.6
7.5°	4910.3	4980.2	5045.5	5059.4	5073.4	5059.4	5054.8	5064.1	5110.6	5120.0	5120.0
10°	4863.8	4961.6	5036.1	5045.5	5059.4	5045.5	5045.5	5064.1	5110.6	5120.0	5124.7
12.5°	4798.5	4933.6	5003.5	5012.8	5031.4	5026.8	5022.2	5040.8	5087.3	5096.7	5096.7
15°	4724.0	4882.4	4947.6	4956.9	4989.5	4980.2	4980.2	4998.9	5050.1	5064.1	5059.4
17.5°	4621.5	4817.2	4891.7	4905.7	4928.9	4924.4	4928.9	4947.6	4994.2	5003.5	5008.1
20°	4505.1	4728.6	4817.2	4831.1	4854.4	4854.4	4854.4	4877.7	4924.4	4943.0	4943.0
22.5°	4346.7	4635.5	4728.6	4738.0	4766.0	4766.0	4775.2	4807.8	4849.7	4854.4	4854.4
25°	4160.3	4533.0	4612.2	4640.1	4668.1	4682.1	4696.0	4714.7	4728.6	4724.0	4728.6
27.5°	3964.6	4402.5	4505.1	4523.7	4560.9	4574.9	4593.5	4598.2	4602.9	4616.8	4607.6
30°	3745.7	4220.8	4374.6	4393.2	4453.8	4463.1	4444.5	4453.8	4477.1	4486.4	4495.7
32.5°	3498.7	3950.7	4239.5	4281.4	4337.3	4309.4	4304.7	4318.7	4355.9	4355.9	4365.3
35°	3163.3	3741.0	4113.7	4150.9	4192.9	4160.3	4178.9	4183.6	4206.9	4220.8	4216.2
37.5°	2795.3	3559.3	3983.3	4011.2	4043.8	4001.9	4029.9	4043.8	4062.5	4053.1	4053.1
40°	2469.2	3275.1	3829.5	3848.2	3876.1	3843.5	3871.5	3880.7	3890.1	3880.7	3876.1
42.5°	2226.9	2963.0	3666.5	3689.8	3671.1	3694.4	3703.7	3722.4	3708.4	3689.8	3689.8
45°	2040.5	2879.1	3489.4	3517.3	3489.4	3526.7	3540.7	3540.7	3498.7	3489.4	3484.8
47.5°	1980.0	2711.4	3312.4	3312.4	3298.4	3345.0	3368.3	3335.6	3293.8	3279.8	3279.8
50°	1975.3	2525.0	3070.1	3051.5	3116.7	3172.7	3149.3	3116.7	3084.1	3032.9	3032.9
52.5°	1793.6	2296.8	2757.9	2827.9	2930.4	2963.0	2925.7	2893.1	2837.1	2813.9	2795.3
55°	1663.1	2059.2	2473.8	2613.6	2720.7	2762.6	2692.8	2660.1	2576.3	2562.3	2553.0
57.5°	1635.2	1714.4	2212.9	2390.0	2520.4	2515.8	2473.8	2413.3	2343.3	2329.4	2324.7
60°	1500.2	1239.3	1933.4	2143.0	2278.2	2264.1	2226.9	2171.0	2105.7	2096.5	2087.1
62.5°	1360.4	899.2	1616.6	1854.2	2045.2	2040.5	2007.9	1924.0	1877.5	1854.2	1835.6
65°	1155.4	754.7	1150.7	1542.1	1816.9	1826.2	1756.4	1695.8	1644.5	1616.6	1611.9
67.5°	880.5	614.9	778.0	1285.8	1598.0	1588.6	1500.2	1472.2	1406.9	1393.0	1365.0
70°	652.2	409.9	540.4	1043.6	1383.6	1360.4	1290.5	1257.9	1197.3	1164.6	1146.0
72.5°	540.4	330.7	396.0	810.6	1164.6	1136.7	1076.2	1038.9	987.6	959.7	941.1
75°	437.9	349.4	302.8	601.0	945.7	927.1	871.2	833.9	792.0	754.7	759.4
77.5°	321.5	326.1	242.3	442.6	750.0	722.1	689.5	642.9	624.3	587.0	587.0
80°	242.3	256.2	181.7	302.8	540.4	540.4	512.4	479.9	447.3	428.6	428.6
82.5°	163.1	163.1	135.1	191.0	368.1	354.0	335.4	326.1	307.5	298.2	298.2
85°	74.5	93.1	83.9	116.5	200.3	209.6	209.6	200.3	195.7	186.4	191.0
87.5°	23.3	41.9	51.2	65.2	102.5	107.2	111.8	111.8	111.8	116.5	116.5
90°	11.5	20.6	29.7	32.0	50.4	74.8	87.0	77.4	58.0	43.5	43.5
92.5°	45.8	123.6	201.5	221.0	310.7	430.3	490.1	429.6	308.4	217.6	209.0
95°	109.9	252.5	395.0	430.6	764.5	1209.9	1432.5	1278.3	969.9	738.6	712.3
97.5°	190.1	315.8	441.5	473.0	1029.8	1772.3	2143.6	2046.2	1851.3	1705.1	1655.2
100°	251.9	365.9	479.9	508.4	1126.4	1950.4	2362.4	2369.6	2383.8	2394.4	2335.1
102.5°	304.6	410.9	517.3	543.9	1170.7	2006.4	2424.3	2548.4	2796.8	2983.1	2932.1
105°	394.0	484.0	574.1	596.6	1203.6	2012.8	2417.4	2695.8	3252.6	3670.1	3642.8
107.5°	485.6	569.5	653.5	674.5	1209.6	1923.1	2279.9	2668.3	3444.9	4027.4	4034.0
110°	547.4	623.2	699.0	718.0	1200.4	1843.7	2165.4	2599.6	3467.8	4119.0	4147.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	608.1	680.4	752.6	770.7	1200.9	1774.5	2061.2	2505.6	3394.2	4060.6	4104.4
115°	699.7	766.4	833.0	849.7	1211.9	1694.9	1936.4	2364.4	3220.5	3862.5	3923.1
117.5°	790.1	850.7	911.3	926.4	1234.5	1645.2	1850.5	2236.8	3009.4	3588.8	3656.1
120°	842.8	899.8	956.9	971.1	1252.8	1628.4	1816.2	2169.2	2875.0	3404.5	3469.9
122.5°	894.4	951.9	1009.4	1023.8	1279.2	1619.6	1789.9	2107.7	2743.4	3220.1	3284.6
125°	973.4	1025.8	1078.2	1091.3	1314.6	1612.4	1761.2	2031.2	2571.2	2976.2	3035.6
127.5°	1037.5	1090.4	1143.4	1156.6	1350.1	1608.2	1737.2	1969.0	2432.6	2780.3	2830.4
130°	1071.9	1128.9	1185.8	1200.1	1376.1	1610.7	1728.0	1934.4	2347.2	2656.7	2703.1
132.5°	1107.4	1164.4	1221.4	1235.6	1397.0	1612.3	1719.9	1904.7	2274.2	2551.4	2592.9
135°	1160.1	1211.9	1263.8	1276.8	1419.9	1610.8	1706.3	1861.0	2170.3	2402.4	2438.2
137.5°	1213.8	1265.2	1316.6	1329.5	1454.3	1620.7	1704.0	1834.7	2096.4	2292.6	2321.9
140°	1258.5	1305.9	1353.1	1365.0	1475.3	1622.4	1695.9	1808.9	2034.9	2204.4	2231.7
142.5°	1292.8	1336.6	1380.4	1391.3	1492.8	1628.2	1695.9	1795.2	1993.7	2142.5	2166.0
145°	1345.5	1383.7	1421.9	1431.4	1515.8	1628.3	1684.5	1765.6	1928.0	2049.8	2067.6
147.5°	1398.2	1435.4	1472.5	1481.8	1549.3	1639.5	1684.5	1748.4	1876.1	1971.9	1986.7
150°	1432.5	1466.1	1499.7	1508.1	1567.0	1645.3	1684.5	1738.5	1846.3	1927.3	1939.2
152.5°	1468.0	1493.5	1519.0	1525.3	1578.3	1649.1	1684.5	1730.6	1822.6	1891.7	1900.7
155°	1520.7	1539.5	1558.4	1563.1	1603.6	1657.5	1684.5	1721.1	1794.4	1849.3	1855.3
157.5°	1559.6	1578.0	1596.3	1600.9	1628.8	1666.0	1684.5	1713.0	1770.0	1812.7	1816.9
160°	1586.0	1600.3	1614.5	1618.1	1640.2	1669.7	1684.5	1708.9	1757.8	1794.4	1796.8
162.5°	1612.3	1622.9	1633.7	1636.3	1652.4	1673.8	1684.5	1705.1	1746.3	1777.2	1779.5
165°	1640.9	1650.6	1660.3	1662.7	1669.9	1679.7	1684.5	1699.3	1728.8	1750.9	1753.3
167.5°	1667.3	1671.9	1676.4	1677.6	1683.7	1691.9	1695.9	1705.6	1725.0	1739.5	1740.5
170°	1684.5	1689.1	1693.7	1694.8	1695.2	1695.6	1695.9	1705.6	1725.0	1739.5	1739.5
172.5°	1693.6	1694.6	1695.6	1695.9	1695.9	1695.9	1695.9	1703.5	1718.8	1730.3	1729.4
175°	1706.3	1706.3	1706.3	1706.3	1702.8	1698.2	1695.9	1700.8	1710.4	1717.6	1717.6
177.5°	1706.3	1706.3	1706.3	1706.3	1703.6	1700.0	1698.2	1702.0	1709.7	1715.4	1714.3
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	5050.1	5036.1	5050.1	5040.8	5045.5	5031.4	4989.5	4975.6	4989.5	5003.5	5003.5
5°	5110.6	5101.4	5110.6	5110.6	5106.1	5096.7	5050.1	5040.8	5050.1	5054.8	5045.5
7.5°	5129.3	5115.3	5129.3	5120.0	5120.0	5110.6	5064.1	5054.8	5059.4	5073.4	5059.4
10°	5129.3	5115.3	5129.3	5124.7	5120.0	5110.6	5064.1	5045.5	5045.5	5059.4	5045.5
12.5°	5106.1	5096.7	5106.1	5096.7	5096.7	5087.3	5040.8	5022.2	5026.8	5031.4	5012.8
15°	5068.7	5054.8	5068.7	5059.4	5064.1	5050.1	4998.9	4980.2	4980.2	4989.5	4956.9
17.5°	5012.8	4994.2	5012.8	5008.1	5003.5	4994.2	4947.6	4928.9	4924.4	4928.9	4905.7
20°	4947.6	4933.6	4947.6	4943.0	4943.0	4924.4	4877.7	4854.4	4854.4	4854.4	4831.1
22.5°	4845.2	4831.1	4845.2	4854.4	4854.4	4849.7	4807.8	4775.2	4766.0	4766.0	4738.0
25°	4728.6	4714.7	4728.6	4728.6	4724.0	4728.6	4714.7	4696.0	4682.1	4668.1	4640.1
27.5°	4616.8	4607.6	4616.8	4607.6	4616.8	4602.9	4598.2	4593.5	4574.9	4560.9	4523.7
30°	4505.1	4495.7	4505.1	4495.7	4486.4	4477.1	4453.8	4444.5	4463.1	4453.8	4393.2
32.5°	4365.3	4355.9	4365.3	4365.3	4355.9	4355.9	4318.7	4304.7	4309.4	4337.3	4281.4
35°	4220.8	4206.9	4220.8	4216.2	4220.8	4206.9	4183.6	4178.9	4160.3	4192.9	4150.9
37.5°	4053.1	4039.1	4053.1	4053.1	4053.1	4062.5	4043.8	4029.9	4001.9	4043.8	4011.2
40°	3880.7	3862.1	3880.7	3876.1	3880.7	3890.1	3880.7	3871.5	3843.5	3876.1	3848.2
42.5°	3685.1	3680.4	3685.1	3689.8	3689.8	3708.4	3722.4	3703.7	3694.4	3671.1	3689.8
45°	3475.4	3466.1	3475.4	3484.8	3489.4	3498.7	3540.7	3540.7	3526.7	3489.4	3517.3
47.5°	3251.9	3228.5	3251.9	3279.8	3279.8	3293.8	3335.6	3368.3	3345.0	3298.4	3312.4
50°	3014.3	3018.8	3014.3	3032.9	3032.9	3084.1	3116.7	3149.3	3172.7	3116.7	3051.5
52.5°	2781.3	2776.7	2781.3	2795.3	2813.9	2837.1	2893.1	2925.7	2963.0	2930.4	2827.9
55°	2548.3	2557.7	2548.3	2553.0	2562.3	2576.3	2660.1	2692.8	2762.6	2720.7	2613.6
57.5°	2315.4	2301.4	2315.4	2324.7	2329.4	2343.3	2413.3	2473.8	2515.8	2520.4	2390.0
60°	2045.2	2026.5	2045.2	2087.1	2096.5	2105.7	2171.0	2226.9	2264.1	2278.2	2143.0
62.5°	1807.6	1775.0	1807.6	1835.6	1854.2	1877.5	1924.0	2007.9	2040.5	2045.2	1854.2
65°	1556.0	1542.1	1556.0	1611.9	1616.6	1644.5	1695.8	1756.4	1826.2	1816.9	1542.1
67.5°	1327.7	1327.7	1327.7	1365.0	1393.0	1406.9	1472.2	1500.2	1588.6	1598.0	1285.8
70°	1118.1	1113.4	1118.1	1146.0	1164.6	1197.3	1257.9	1290.5	1360.4	1383.6	1043.6
72.5°	917.8	913.1	917.8	941.1	959.7	987.6	1038.9	1076.2	1136.7	1164.6	810.6
75°	740.8	731.4	740.8	759.4	754.7	792.0	833.9	871.2	927.1	945.7	601.0
77.5°	568.3	568.3	568.3	587.0	587.0	624.3	642.9	689.5	722.1	750.0	442.6
80°	424.0	419.3	424.0	428.6	428.6	447.3	479.9	512.4	540.4	540.4	302.8
82.5°	298.2	288.8	298.2	298.2	298.2	307.5	326.1	335.4	354.0	368.1	191.0
85°	186.4	186.4	186.4	191.0	186.4	195.7	200.3	209.6	209.6	200.3	116.5
87.5°	121.1	116.5	121.1	116.5	116.5	111.8	111.8	111.8	107.2	102.5	65.2
90°	43.5	43.5	43.5	43.5	43.5	58.0	77.4	87.0	74.8	50.4	32.0
92.5°	174.3	139.7	174.3	209.0	217.6	308.4	429.6	490.1	430.3	310.7	221.0
95°	607.5	502.7	607.5	712.3	738.6	969.9	1278.3	1432.5	1209.9	764.5	430.6
97.5°	1455.7	1256.2	1455.7	1655.2	1705.1	1851.3	2046.2	2143.6	1772.3	1029.8	473.0
100°	2097.4	1859.7	2097.4	2335.1	2394.4	2383.8	2369.6	2362.4	1950.4	1126.4	508.4
102.5°	2728.6	2525.0	2728.6	2932.1	2983.1	2796.8	2548.4	2424.3	2006.4	1170.7	543.9
105°	3533.3	3423.9	3533.3	3642.8	3670.1	3252.6	2695.8	2417.4	2012.8	1203.6	596.6
107.5°	4060.5	4087.0	4060.5	4034.0	4027.4	3444.9	2668.3	2279.9	1923.1	1209.6	674.5
110°	4261.5	4375.6	4261.5	4147.5	4119.0	3467.8	2599.6	2165.4	1843.7	1200.4	718.0



TEST NUMBER: P935356

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4279.5	4454.6	4279.5	4104.4	4060.6	3394.2	2505.6	2061.2	1774.5	1200.9	770.7
115°	4166.0	4408.7	4166.0	3923.1	3862.5	3220.5	2364.4	1936.4	1694.9	1211.9	849.7
117.5°	3925.3	4194.6	3925.3	3656.1	3588.8	3009.4	2236.8	1850.5	1645.2	1234.5	926.4
120°	3731.4	3993.1	3731.4	3469.9	3404.5	2875.0	2169.2	1816.2	1628.4	1252.8	971.1
122.5°	3542.6	3800.6	3542.6	3284.6	3220.1	2743.4	2107.7	1789.9	1619.6	1279.2	1023.8
125°	3273.2	3510.9	3273.2	3035.6	2976.2	2571.2	2031.2	1761.2	1612.4	1314.6	1091.3
127.5°	3031.1	3231.6	3031.1	2830.4	2780.3	2432.6	1969.0	1737.2	1608.2	1350.1	1156.6
130°	2888.3	3073.5	2888.3	2703.1	2656.7	2347.2	1934.4	1728.0	1610.7	1376.1	1200.1
132.5°	2758.8	2924.7	2758.8	2592.9	2551.4	2274.2	1904.7	1719.9	1612.3	1397.0	1235.6
135°	2581.2	2724.3	2581.2	2438.2	2402.4	2170.3	1861.0	1706.3	1610.8	1419.9	1276.8
137.5°	2438.9	2556.0	2438.9	2321.9	2292.6	2096.4	1834.7	1704.0	1620.7	1454.3	1329.5
140°	2341.2	2450.6	2341.2	2231.7	2204.4	2034.9	1808.9	1695.9	1622.4	1475.3	1365.0
142.5°	2260.2	2354.3	2260.2	2166.0	2142.5	1993.7	1795.2	1695.9	1628.2	1492.8	1391.3
145°	2138.9	2210.1	2138.9	2067.6	2049.8	1928.0	1765.6	1684.5	1628.3	1515.8	1431.4
147.5°	2045.7	2104.7	2045.7	1986.7	1971.9	1876.1	1748.4	1684.5	1639.5	1549.3	1481.8
150°	1987.1	2034.9	1987.1	1939.2	1927.3	1846.3	1738.5	1684.5	1645.3	1567.0	1508.1
152.5°	1936.9	1973.0	1936.9	1900.7	1891.7	1822.6	1730.6	1684.5	1649.1	1578.3	1525.3
155°	1879.3	1903.2	1879.3	1855.3	1849.3	1794.4	1721.1	1684.5	1657.5	1603.6	1563.1
157.5°	1833.7	1850.5	1833.7	1816.9	1812.7	1770.0	1713.0	1684.5	1666.0	1628.8	1600.9
160°	1806.5	1816.2	1806.5	1796.8	1794.4	1757.8	1708.9	1684.5	1669.7	1640.2	1618.1
162.5°	1788.7	1797.9	1788.7	1779.5	1777.2	1746.3	1705.1	1684.5	1673.8	1652.4	1636.3
165°	1763.0	1772.6	1763.0	1753.3	1750.9	1728.8	1699.3	1684.5	1679.7	1669.9	1662.7
167.5°	1744.5	1748.6	1744.5	1740.5	1739.5	1725.0	1705.6	1695.9	1691.9	1683.7	1677.6
170°	1739.5	1739.5	1739.5	1739.5	1739.5	1725.0	1705.6	1695.9	1695.6	1695.2	1694.8
172.5°	1725.8	1722.2	1725.8	1729.4	1730.3	1718.8	1703.5	1695.9	1695.9	1695.9	1695.9
175°	1717.6	1717.6	1717.6	1717.6	1717.6	1710.4	1700.8	1695.9	1698.2	1702.8	1706.3
177.5°	1710.3	1706.3	1710.3	1714.3	1715.4	1709.7	1702.0	1698.2	1700.0	1703.6	1706.3
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935356

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	4994.2	4966.3	4966.3	4919.7	4901.0	4887.1	4863.8	4793.9	4775.2	4756.6	4784.6
5°	5036.1	4984.9	4947.6	4863.8	4793.9	4766.0	4677.4	4509.6	4397.9	4314.0	4267.5
7.5°	5045.5	4980.2	4910.3	4779.9	4612.2	4537.6	4267.5	3959.9	3876.1	3801.6	3754.9
10°	5036.1	4961.6	4863.8	4668.1	4272.1	4141.6	3871.5	3671.1	3619.8	3605.9	3619.8
12.5°	5003.5	4933.6	4798.5	4472.4	3918.0	3829.5	3671.1	3554.6	3545.3	3568.6	3694.4
15°	4947.6	4882.4	4724.0	4211.5	3722.4	3657.1	3545.3	3503.4	3554.6	3717.7	4095.0
17.5°	4891.7	4817.2	4621.5	3955.3	3573.3	3526.7	3447.5	3531.4	3820.2	4039.1	4165.0
20°	4817.2	4728.6	4505.1	3769.0	3466.1	3424.2	3386.9	3764.3	3983.3	4062.5	4132.3
22.5°	4728.6	4635.5	4346.7	3638.5	3354.4	3321.7	3345.0	3894.7	3983.3	4039.1	4099.7
25°	4612.2	4533.0	4160.3	3536.0	3265.8	3228.5	3317.0	3880.7	3932.0	3946.0	4067.1
27.5°	4505.1	4402.5	3964.6	3442.8	3158.6	3144.7	3340.3	3820.2	3857.4	3871.5	4001.9
30°	4374.6	4220.8	3745.7	3345.0	3046.8	3042.2	3345.0	3745.7	3736.3	3773.6	3904.1
32.5°	4239.5	3950.7	3498.7	3223.9	2939.7	2935.1	3312.4	3633.8	3624.5	3675.7	3773.6
35°	4113.7	3741.0	3163.3	3084.1	2804.6	2809.2	3233.2	3503.4	3508.1	3554.6	3615.2
37.5°	3983.3	3559.3	2795.3	2930.4	2674.2	2674.2	3126.0	3382.3	3373.0	3386.9	3470.8
40°	3829.5	3275.1	2469.2	2730.1	2553.0	2539.0	2995.6	3251.9	3219.2	3214.6	3331.0
42.5°	3666.5	2963.0	2226.9	2464.5	2413.3	2394.6	2837.1	3093.5	3032.9	3046.8	3195.9
45°	3489.4	2879.1	2040.5	2082.4	2268.8	2254.9	2664.8	2911.8	2869.8	2907.1	3060.8
47.5°	3312.4	2711.4	1980.0	1728.4	2115.1	2110.4	2473.8	2734.7	2711.4	2748.7	2911.8
50°	3070.1	2525.0	1975.3	1481.5	1942.7	1961.3	2245.5	2562.3	2562.3	2595.0	2767.3
52.5°	2757.9	2296.8	1793.6	1341.8	1742.3	1798.3	2045.2	2413.3	2422.5	2455.2	2608.9
55°	2473.8	2059.2	1663.1	1234.6	1504.7	1625.9	1849.5	2259.5	2278.2	2310.8	2450.5
57.5°	2212.9	1714.4	1635.2	1108.8	1285.8	1402.3	1677.2	2110.4	2119.8	2147.7	2282.8
60°	1933.4	1239.3	1500.2	973.7	1094.8	1183.4	1518.8	1933.4	1966.0	1984.6	2101.1
62.5°	1616.6	899.2	1360.4	880.5	1001.7	1020.3	1388.3	1765.6	1807.6	1821.5	1891.5
65°	1150.7	754.7	1155.4	801.3	903.8	908.4	1248.5	1593.3	1630.6	1653.9	1705.1
67.5°	778.0	614.9	880.5	726.7	829.2	833.9	1113.4	1393.0	1444.2	1462.9	1495.5
70°	540.4	409.9	652.2	647.5	745.4	754.7	969.0	1211.3	1257.9	1271.8	1290.5
72.5°	396.0	330.7	540.4	582.4	656.9	666.2	820.0	1006.3	1052.9	1066.8	1076.2
75°	302.8	349.4	437.9	507.8	559.1	563.7	670.8	820.0	852.5	861.9	866.5
77.5°	242.3	326.1	321.5	409.9	456.6	447.3	526.5	633.6	661.6	661.6	661.6
80°	181.7	256.2	242.3	293.5	335.4	326.1	377.4	451.9	461.2	470.5	465.9
82.5°	135.1	163.1	163.1	186.4	223.6	214.3	251.5	293.5	293.5	293.5	302.8
85°	83.9	93.1	74.5	97.8	125.8	121.1	139.8	158.4	163.1	163.1	153.7
87.5°	51.2	41.9	23.3	37.3	55.9	55.9	65.2	69.8	65.2	65.2	65.2
90°	29.7	20.6	11.5	20.6	29.7	32.0	50.4	74.8	87.0	77.4	58.0
92.5°	201.5	123.6	45.8	123.6	201.5	221.0	310.7	430.3	490.1	429.6	308.4
95°	395.0	252.5	109.9	252.5	395.0	430.6	764.5	1209.9	1432.5	1278.3	969.9
97.5°	441.5	315.8	190.1	315.8	441.5	473.0	1029.8	1772.3	2143.6	2046.2	1851.3
100°	479.9	365.9	251.9	365.9	479.9	508.4	1126.4	1950.4	2362.4	2369.6	2383.8
102.5°	517.3	410.9	304.6	410.9	517.3	543.9	1170.7	2006.4	2424.3	2548.4	2796.8
105°	574.1	484.0	394.0	484.0	574.1	596.6	1203.6	2012.8	2417.4	2695.8	3252.6
107.5°	653.5	569.5	485.6	569.5	653.5	674.5	1209.6	1923.1	2279.9	2668.3	3444.9
110°	699.0	623.2	547.4	623.2	699.0	718.0	1200.4	1843.7	2165.4	2599.6	3467.8



TEST NUMBER: P935356

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	752.6	680.4	608.1	680.4	752.6	770.7	1200.9	1774.5	2061.2	2505.6	3394.2
115°	833.0	766.4	699.7	766.4	833.0	849.7	1211.9	1694.9	1936.4	2364.4	3220.5
117.5°	911.3	850.7	790.1	850.7	911.3	926.4	1234.5	1645.2	1850.5	2236.8	3009.4
120°	956.9	899.8	842.8	899.8	956.9	971.1	1252.8	1628.4	1816.2	2169.2	2875.0
122.5°	1009.4	951.9	894.4	951.9	1009.4	1023.8	1279.2	1619.6	1789.9	2107.7	2743.4
125°	1078.2	1025.8	973.4	1025.8	1078.2	1091.3	1314.6	1612.4	1761.2	2031.2	2571.2
127.5°	1143.4	1090.4	1037.5	1090.4	1143.4	1156.6	1350.1	1608.2	1737.2	1969.0	2432.6
130°	1185.8	1128.9	1071.9	1128.9	1185.8	1200.1	1376.1	1610.7	1728.0	1934.4	2347.2
132.5°	1221.4	1164.4	1107.4	1164.4	1221.4	1235.6	1397.0	1612.3	1719.9	1904.7	2274.2
135°	1263.8	1211.9	1160.1	1211.9	1263.8	1276.8	1419.9	1610.8	1706.3	1861.0	2170.3
137.5°	1316.6	1265.2	1213.8	1265.2	1316.6	1329.5	1454.3	1620.7	1704.0	1834.7	2096.4
140°	1353.1	1305.9	1258.5	1305.9	1353.1	1365.0	1475.3	1622.4	1695.9	1808.9	2034.9
142.5°	1380.4	1336.6	1292.8	1336.6	1380.4	1391.3	1492.8	1628.2	1695.9	1795.2	1993.7
145°	1421.9	1383.7	1345.5	1383.7	1421.9	1431.4	1515.8	1628.3	1684.5	1765.6	1928.0
147.5°	1472.5	1435.4	1398.2	1435.4	1472.5	1481.8	1549.3	1639.5	1684.5	1748.4	1876.1
150°	1499.7	1466.1	1432.5	1466.1	1499.7	1508.1	1567.0	1645.3	1684.5	1738.5	1846.3
152.5°	1519.0	1493.5	1468.0	1493.5	1519.0	1525.3	1578.3	1649.1	1684.5	1730.6	1822.6
155°	1558.4	1539.5	1520.7	1539.5	1558.4	1563.1	1603.6	1657.5	1684.5	1721.1	1794.4
157.5°	1596.3	1578.0	1559.6	1578.0	1596.3	1600.9	1628.8	1666.0	1684.5	1713.0	1770.0
160°	1614.5	1600.3	1586.0	1600.3	1614.5	1618.1	1640.2	1669.7	1684.5	1708.9	1757.8
162.5°	1633.7	1622.9	1612.3	1622.9	1633.7	1636.3	1652.4	1673.8	1684.5	1705.1	1746.3
165°	1660.3	1650.6	1640.9	1650.6	1660.3	1662.7	1669.9	1679.7	1684.5	1699.3	1728.8
167.5°	1676.4	1671.9	1667.3	1671.9	1676.4	1677.6	1683.7	1691.9	1695.9	1705.6	1725.0
170°	1693.7	1689.1	1684.5	1689.1	1693.7	1694.8	1695.2	1695.6	1695.9	1705.6	1725.0
172.5°	1695.6	1694.6	1693.6	1694.6	1695.6	1695.9	1695.9	1695.9	1695.9	1703.5	1718.8
175°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1702.8	1698.2	1695.9	1700.8	1710.4
177.5°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1703.6	1700.0	1698.2	1702.0	1709.7
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935356

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	4751.9	4738.0	4756.6	4705.4	4756.6	4738.0	4751.9	4784.6	4756.6	4775.2	4793.9
5°	4169.6	4146.3	4071.7	4011.2	4071.7	4146.3	4169.6	4267.5	4314.0	4397.9	4509.6
7.5°	3727.0	3708.4	3689.8	3652.5	3689.8	3708.4	3727.0	3754.9	3801.6	3876.1	3959.9
10°	3629.2	3633.8	3661.8	3657.1	3661.8	3633.8	3629.2	3619.8	3605.9	3619.8	3671.1
12.5°	3880.7	3922.7	4076.4	4067.1	4076.4	3922.7	3880.7	3694.4	3568.6	3545.3	3554.6
15°	4169.6	4183.6	4216.2	4220.8	4216.2	4183.6	4169.6	4095.0	3717.7	3554.6	3503.4
17.5°	4197.5	4202.2	4225.5	4225.5	4225.5	4202.2	4197.5	4165.0	4039.1	3820.2	3531.4
20°	4174.2	4183.6	4230.2	4239.5	4230.2	4183.6	4174.2	4132.3	4062.5	3983.3	3764.3
22.5°	4165.0	4183.6	4220.8	4216.2	4220.8	4183.6	4165.0	4099.7	4039.1	3983.3	3894.7
25°	4118.3	4118.3	4123.0	4127.7	4123.0	4118.3	4118.3	4067.1	3946.0	3932.0	3880.7
27.5°	4020.5	4029.9	4057.8	4053.1	4057.8	4029.9	4020.5	4001.9	3871.5	3857.4	3820.2
30°	3932.0	3922.7	3899.4	3880.7	3899.4	3922.7	3932.0	3904.1	3773.6	3736.3	3745.7
32.5°	3782.9	3759.6	3736.3	3722.4	3736.3	3759.6	3782.9	3773.6	3675.7	3624.5	3633.8
35°	3605.9	3610.6	3605.9	3591.9	3605.9	3610.6	3605.9	3615.2	3554.6	3508.1	3503.4
37.5°	3480.1	3489.4	3484.8	3466.1	3484.8	3489.4	3480.1	3470.8	3386.9	3373.0	3382.3
40°	3349.7	3354.4	3349.7	3335.6	3349.7	3354.4	3349.7	3331.0	3214.6	3219.2	3251.9
42.5°	3223.9	3219.2	3205.2	3195.9	3205.2	3219.2	3223.9	3195.9	3046.8	3032.9	3093.5
45°	3079.4	3084.1	3056.1	3042.2	3056.1	3084.1	3079.4	3060.8	2907.1	2869.8	2911.8
47.5°	2935.1	2935.1	2911.8	2897.7	2911.8	2935.1	2935.1	2911.8	2748.7	2711.4	2734.7
50°	2781.3	2776.7	2744.0	2739.3	2744.0	2776.7	2781.3	2767.3	2595.0	2562.3	2562.3
52.5°	2604.2	2604.2	2608.9	2618.2	2608.9	2604.2	2604.2	2608.9	2455.2	2422.5	2413.3
55°	2450.5	2455.2	2487.8	2497.1	2487.8	2455.2	2450.5	2450.5	2310.8	2278.2	2259.5
57.5°	2292.1	2292.1	2315.4	2315.4	2315.4	2292.1	2292.1	2282.8	2147.7	2119.8	2110.4
60°	2110.4	2119.8	2138.4	2133.7	2138.4	2119.8	2110.4	2101.1	1984.6	1966.0	1933.4
62.5°	1919.5	1928.7	1933.4	1924.0	1933.4	1928.7	1919.5	1891.5	1821.5	1807.6	1765.6
65°	1719.1	1728.4	1733.1	1723.7	1733.1	1728.4	1719.1	1705.1	1653.9	1630.6	1593.3
67.5°	1514.1	1509.4	1504.7	1523.4	1504.7	1509.4	1514.1	1495.5	1462.9	1444.2	1393.0
70°	1304.4	1304.4	1299.8	1309.1	1299.8	1304.4	1304.4	1290.5	1271.8	1257.9	1211.3
72.5°	1080.9	1076.2	1094.8	1080.9	1094.8	1076.2	1080.9	1076.2	1066.8	1052.9	1006.3
75°	861.9	871.2	861.9	875.8	861.9	871.2	861.9	866.5	861.9	852.5	820.0
77.5°	656.9	666.2	656.9	656.9	656.9	666.2	656.9	661.6	661.6	661.6	633.6
80°	465.9	461.2	461.2	456.6	461.2	461.2	465.9	465.9	470.5	461.2	451.9
82.5°	298.2	293.5	293.5	302.8	293.5	293.5	298.2	302.8	293.5	293.5	293.5
85°	163.1	167.8	158.4	158.4	158.4	167.8	163.1	153.7	163.1	163.1	158.4
87.5°	60.6	55.9	55.9	55.9	55.9	55.9	60.6	65.2	65.2	65.2	69.8
90°	43.5	43.5	43.5	43.5	43.5	43.5	43.5	58.0	77.4	87.0	74.8
92.5°	217.6	209.0	174.3	139.7	174.3	209.0	217.6	308.4	429.6	490.1	430.3
95°	738.6	712.3	607.5	502.7	607.5	712.3	738.6	969.9	1278.3	1432.5	1209.9
97.5°	1705.1	1655.2	1455.7	1256.2	1455.7	1655.2	1705.1	1851.3	2046.2	2143.6	1772.3
100°	2394.4	2335.1	2097.4	1859.7	2097.4	2335.1	2394.4	2383.8	2369.6	2362.4	1950.4
102.5°	2983.1	2932.1	2728.6	2525.0	2728.6	2932.1	2983.1	2796.8	2548.4	2424.3	2006.4
105°	3670.1	3642.8	3533.3	3423.9	3533.3	3642.8	3670.1	3252.6	2695.8	2417.4	2012.8
107.5°	4027.4	4034.0	4060.5	4087.0	4060.5	4034.0	4027.4	3444.9	2668.3	2279.9	1923.1
110°	4119.0	4147.5	4261.5	4375.6	4261.5	4147.5	4119.0	3467.8	2599.6	2165.4	1843.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4060.6	4104.4	4279.5	4454.6	4279.5	4104.4	4060.6	3394.2	2505.6	2061.2	1774.5
115°	3862.5	3923.1	4166.0	4408.7	4166.0	3923.1	3862.5	3220.5	2364.4	1936.4	1694.9
117.5°	3588.8	3656.1	3925.3	4194.6	3925.3	3656.1	3588.8	3009.4	2236.8	1850.5	1645.2
120°	3404.5	3469.9	3731.4	3993.1	3731.4	3469.9	3404.5	2875.0	2169.2	1816.2	1628.4
122.5°	3220.1	3284.6	3542.6	3800.6	3542.6	3284.6	3220.1	2743.4	2107.7	1789.9	1619.6
125°	2976.2	3035.6	3273.2	3510.9	3273.2	3035.6	2976.2	2571.2	2031.2	1761.2	1612.4
127.5°	2780.3	2830.4	3031.1	3231.6	3031.1	2830.4	2780.3	2432.6	1969.0	1737.2	1608.2
130°	2656.7	2703.1	2888.3	3073.5	2888.3	2703.1	2656.7	2347.2	1934.4	1728.0	1610.7
132.5°	2551.4	2592.9	2758.8	2924.7	2758.8	2592.9	2551.4	2274.2	1904.7	1719.9	1612.3
135°	2402.4	2438.2	2581.2	2724.3	2581.2	2438.2	2402.4	2170.3	1861.0	1706.3	1610.8
137.5°	2292.6	2321.9	2438.9	2556.0	2438.9	2321.9	2292.6	2096.4	1834.7	1704.0	1620.7
140°	2204.4	2231.7	2341.2	2450.6	2341.2	2231.7	2204.4	2034.9	1808.9	1695.9	1622.4
142.5°	2142.5	2166.0	2260.2	2354.3	2260.2	2166.0	2142.5	1993.7	1795.2	1695.9	1628.2
145°	2049.8	2067.6	2138.9	2210.1	2138.9	2067.6	2049.8	1928.0	1765.6	1684.5	1628.3
147.5°	1971.9	1986.7	2045.7	2104.7	2045.7	1986.7	1971.9	1876.1	1748.4	1684.5	1639.5
150°	1927.3	1939.2	1987.1	2034.9	1987.1	1939.2	1927.3	1846.3	1738.5	1684.5	1645.3
152.5°	1891.7	1900.7	1936.9	1973.0	1936.9	1900.7	1891.7	1822.6	1730.6	1684.5	1649.1
155°	1849.3	1855.3	1879.3	1903.2	1879.3	1855.3	1849.3	1794.4	1721.1	1684.5	1657.5
157.5°	1812.7	1816.9	1833.7	1850.5	1833.7	1816.9	1812.7	1770.0	1713.0	1684.5	1666.0
160°	1794.4	1796.8	1806.5	1816.2	1806.5	1796.8	1794.4	1757.8	1708.9	1684.5	1669.7
162.5°	1777.2	1779.5	1788.7	1797.9	1788.7	1779.5	1777.2	1746.3	1705.1	1684.5	1673.8
165°	1750.9	1753.3	1763.0	1772.6	1763.0	1753.3	1750.9	1728.8	1699.3	1684.5	1679.7
167.5°	1739.5	1740.5	1744.5	1748.6	1744.5	1740.5	1739.5	1725.0	1705.6	1695.9	1691.9
170°	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1725.0	1705.6	1695.9	1695.6
172.5°	1730.3	1729.4	1725.8	1722.2	1725.8	1729.4	1730.3	1718.8	1703.5	1695.9	1695.9
175°	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1717.6	1710.4	1700.8	1695.9	1698.2
177.5°	1715.4	1714.3	1710.3	1706.3	1710.3	1714.3	1715.4	1709.7	1702.0	1698.2	1700.0
180°	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3	1706.3



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CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	4863.8	4887.1	4901.0	4919.7	4966.3
5°	4677.4	4766.0	4793.9	4863.8	4947.6
7.5°	4267.5	4537.6	4612.2	4779.9	4910.3
10°	3871.5	4141.6	4272.1	4668.1	4863.8
12.5°	3671.1	3829.5	3918.0	4472.4	4798.5
15°	3545.3	3657.1	3722.4	4211.5	4724.0
17.5°	3447.5	3526.7	3573.3	3955.3	4621.5
20°	3386.9	3424.2	3466.1	3769.0	4505.1
22.5°	3345.0	3321.7	3354.4	3638.5	4346.7
25°	3317.0	3228.5	3265.8	3536.0	4160.3
27.5°	3340.3	3144.7	3158.6	3442.8	3964.6
30°	3345.0	3042.2	3046.8	3345.0	3745.7
32.5°	3312.4	2935.1	2939.7	3223.9	3498.7
35°	3233.2	2809.2	2804.6	3084.1	3163.3
37.5°	3126.0	2674.2	2674.2	2930.4	2795.3
40°	2995.6	2539.0	2553.0	2730.1	2469.2
42.5°	2837.1	2394.6	2413.3	2464.5	2226.9
45°	2664.8	2254.9	2268.8	2082.4	2040.5
47.5°	2473.8	2110.4	2115.1	1728.4	1980.0
50°	2245.5	1961.3	1942.7	1481.5	1975.3
52.5°	2045.2	1798.3	1742.3	1341.8	1793.6
55°	1849.5	1625.9	1504.7	1234.6	1663.1
57.5°	1677.2	1402.3	1285.8	1108.8	1635.2
60°	1518.8	1183.4	1094.8	973.7	1500.2
62.5°	1388.3	1020.3	1001.7	880.5	1360.4
65°	1248.5	908.4	903.8	801.3	1155.4
67.5°	1113.4	833.9	829.2	726.7	880.5
70°	969.0	754.7	745.4	647.5	652.2
72.5°	820.0	666.2	656.9	582.4	540.4
75°	670.8	563.7	559.1	507.8	437.9
77.5°	526.5	447.3	456.6	409.9	321.5
80°	377.4	326.1	335.4	293.5	242.3
82.5°	251.5	214.3	223.6	186.4	163.1
85°	139.8	121.1	125.8	97.8	74.5
87.5°	65.2	55.9	55.9	37.3	23.3
90°	50.4	32.0	29.7	20.6	11.5
92.5°	310.7	221.0	201.5	123.6	45.8
95°	764.5	430.6	395.0	252.5	109.9
97.5°	1029.8	473.0	441.5	315.8	190.1
100°	1126.4	508.4	479.9	365.9	251.9
102.5°	1170.7	543.9	517.3	410.9	304.6
105°	1203.6	596.6	574.1	484.0	394.0
107.5°	1209.6	674.5	653.5	569.5	485.6
110°	1200.4	718.0	699.0	623.2	547.4



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CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1200.9	770.7	752.6	680.4	608.1
115°	1211.9	849.7	833.0	766.4	699.7
117.5°	1234.5	926.4	911.3	850.7	790.1
120°	1252.8	971.1	956.9	899.8	842.8
122.5°	1279.2	1023.8	1009.4	951.9	894.4
125°	1314.6	1091.3	1078.2	1025.8	973.4
127.5°	1350.1	1156.6	1143.4	1090.4	1037.5
130°	1376.1	1200.1	1185.8	1128.9	1071.9
132.5°	1397.0	1235.6	1221.4	1164.4	1107.4
135°	1419.9	1276.8	1263.8	1211.9	1160.1
137.5°	1454.3	1329.5	1316.6	1265.2	1213.8
140°	1475.3	1365.0	1353.1	1305.9	1258.5
142.5°	1492.8	1391.3	1380.4	1336.6	1292.8
145°	1515.8	1431.4	1421.9	1383.7	1345.5
147.5°	1549.3	1481.8	1472.5	1435.4	1398.2
150°	1567.0	1508.1	1499.7	1466.1	1432.5
152.5°	1578.3	1525.3	1519.0	1493.5	1468.0
155°	1603.6	1563.1	1558.4	1539.5	1520.7
157.5°	1628.8	1600.9	1596.3	1578.0	1559.6
160°	1640.2	1618.1	1614.5	1600.3	1586.0
162.5°	1652.4	1636.3	1633.7	1622.9	1612.3
165°	1669.9	1662.7	1660.3	1650.6	1640.9
167.5°	1683.7	1677.6	1676.4	1671.9	1667.3
170°	1695.2	1694.8	1693.7	1689.1	1684.5
172.5°	1695.9	1695.9	1695.6	1694.6	1693.6
175°	1702.8	1706.3	1706.3	1706.3	1706.3
177.5°	1703.6	1706.3	1706.3	1706.3	1706.3
180°	1706.3	1706.3	1706.3	1706.3	1706.3



TEST NUMBER: P935356
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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	14.60	15.49	15.53	16.44	17.66	17.45	18.35	18.38	19.29	20.51
	3H	15.08	15.88	16.02	16.83	18.08	18.81	19.61	19.74	20.56	21.80
	4H	15.27	16.03	16.22	16.99	18.24	19.26	20.01	20.21	20.97	22.22
	6H	15.39	16.09	16.36	17.05	18.32	19.55	20.25	20.51	21.21	22.47
	8H	15.39	16.06	16.36	17.04	18.30	19.63	20.29	20.60	21.27	22.53
	12H	15.37	16.00	16.34	16.97	18.26	19.67	20.30	20.65	21.28	22.56
4H	2H	15.64	16.40	16.60	17.36	18.61	17.86	18.62	18.82	19.58	20.83
	3H	16.67	17.30	17.64	18.29	19.56	19.38	20.01	20.35	21.00	22.26
	4H	16.95	17.53	17.93	18.51	19.80	19.91	20.49	20.89	21.47	22.76
	6H	17.08	17.57	18.07	18.58	19.87	20.29	20.78	21.27	21.79	23.08
	8H	17.08	17.55	18.07	18.55	19.85	20.40	20.86	21.39	21.86	23.16
	12H	17.05	17.47	18.06	18.48	19.79	20.46	20.88	21.47	21.89	23.20
8H	4H	17.41	17.87	18.40	18.87	20.17	20.04	20.50	21.03	21.50	22.80
	6H	17.67	18.06	18.69	19.10	20.40	20.48	20.87	21.50	21.91	23.21
	8H	17.72	18.05	18.74	19.08	20.40	20.64	20.98	21.66	22.00	23.32
	12H	17.70	18.00	18.73	19.02	20.38	20.74	21.04	21.77	22.06	23.43
12H	4H	17.42	17.84	18.43	18.85	20.16	20.01	20.42	21.02	21.44	22.75
	6H	17.73	18.07	18.76	19.10	20.42	20.48	20.82	21.50	21.85	23.17
	8H	17.80	18.10	18.83	19.12	20.49	20.65	20.94	21.67	21.97	23.33