

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: P935355

Luminaire Tested: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935355
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-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

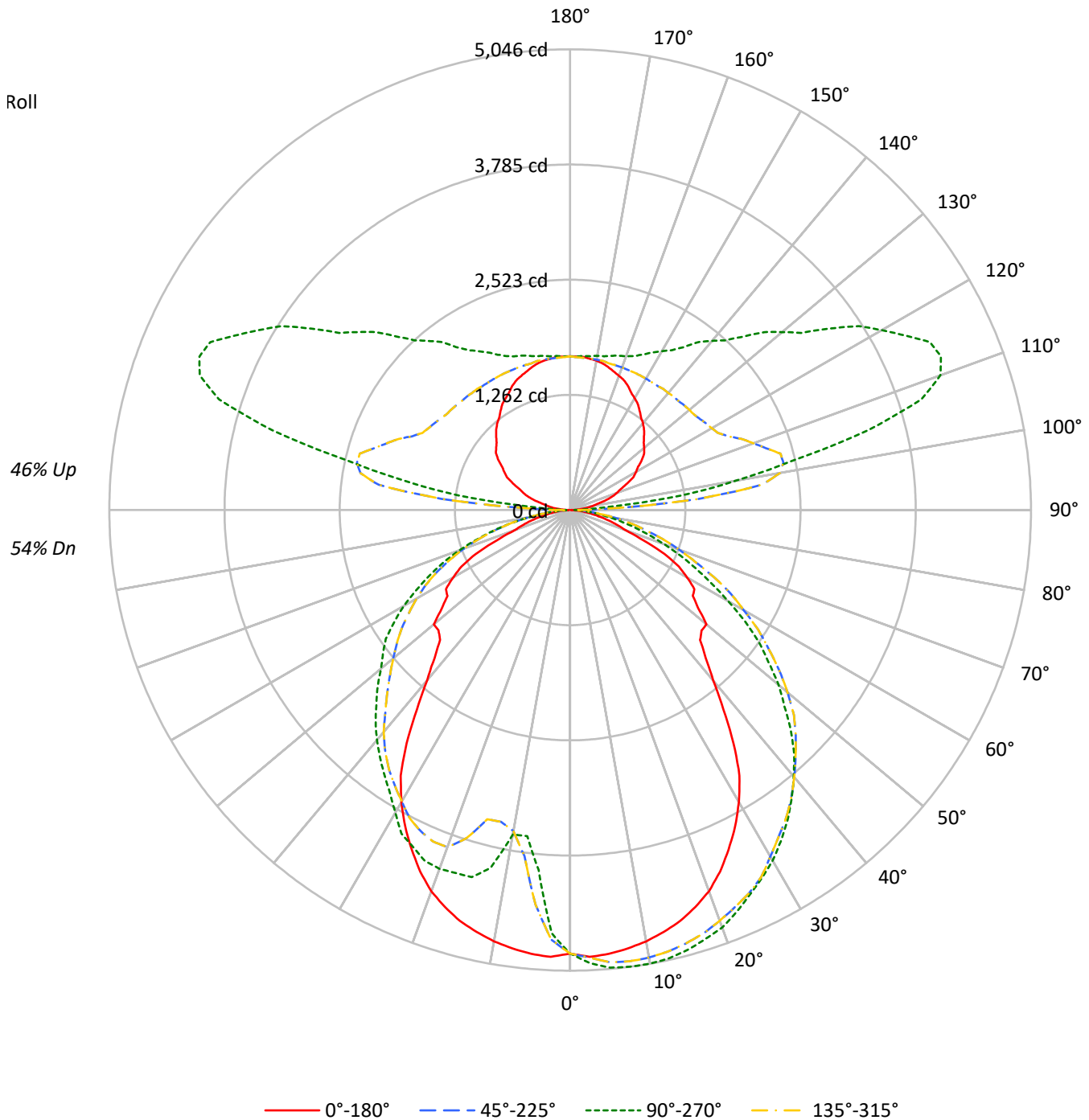
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23509.7 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 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°	15023	15023	15023	15023
5°	15141	15165	15141	11925
10°	15046	14939	15046	10680
15°	14887	14615	14887	12204
20°	14582	14231	14582	12229
25°	13950	13672	13950	11970
30°	13132	13208	13132	11401
35°	11713	12621	11713	10776
40°	9765	11930	9765	10303
45°	8731	11120	8731	9760
50°	9283	10155	9283	9215
55°	8742	9115	8742	8899
60°	9023	7742	9023	8151
65°	8194	6400	8194	7154
70°	5688	5100	5688	5996
75°	5006	3770	5006	4514
80°	4065	2493	4065	2714
85°	2382	1320	2382	1122

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13373 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.4	1.9
10°-20°	1244.8	5.3
20°-30°	1924.3	8.2
30°-40°	2297.2	9.8
40°-50°	2310.7	9.8
50°-60°	2010.6	8.6
60°-70°	1425.5	6.1
70°-80°	754.2	3.2
80°-90°	194.2	0.8
90°-100°	820.3	3.5
100°-110°	2156.7	9.2
110°-120°	2236.3	9.5
120°-130°	1793.8	7.6
130°-140°	1407.5	6.0
140°-150°	1080.3	4.6
150°-160°	778.0	3.3
160°-170°	476.0	2.0
170°-180°	160.8	0.7
0°-30°	3607.6	15.3
0°-40°	5904.8	25.1
0°-60°	10226.0	43.5
0°-90°	12599.9	53.6
90°-120°	5213.4	22.2
90°-150°	9495.0	40.4
90°-180°	10910.0	46.4
0°-180°	23509.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4857	4857	4857	4857	4857	
5°	4880	5032	4880	3956	4880	463
15°	4660	4986	4660	4163	4660	1311
25°	4104	4650	4104	4071	4104	1884
35°	3120	4149	3120	3543	3120	1930
45°	2013	3419	2013	3001	2013	1612
55°	1640	2523	1640	2463	1640	1507
65°	1140	1521	1140	1700	1140	1089
75°	432	721	432	864	432	454
85°	74	184	74	156	74	99
90°	11	43	11	43	11	12
95°	108	496	108	496	108	120
105°	389	3377	389	3377	389	412
115°	690	4348	690	4348	690	682
125°	960	3463	960	3463	960	852
135°	1144	2687	1144	2687	1144	885
145°	1327	2180	1327	2180	1327	831
155°	1500	1877	1500	1877	1500	689
165°	1618	1748	1618	1748	1618	457
175°	1683	1694	1683	1694	1683	160
180°	1683	1683	1683	1683	1683	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4898.5	4898.5	4926.0	4935.2	4935.2	4921.4	4907.6	4921.4	4962.7	4976.6	4972.0
5°	4880.0	4916.8	4967.3	4976.6	4985.7	4981.1	4972.0	4981.1	5027.1	5036.3	5040.8
7.5°	4843.2	4912.2	4976.6	4990.3	5004.1	4990.3	4985.7	4994.9	5040.8	5050.1	5050.1
10°	4797.4	4893.8	4967.3	4976.6	4990.3	4976.6	4976.6	4994.9	5040.8	5050.1	5054.7
12.5°	4733.0	4866.2	4935.2	4944.4	4962.7	4958.1	4953.6	4972.0	5017.9	5027.1	5027.1
15°	4659.5	4815.7	4880.0	4889.2	4921.4	4912.2	4912.2	4930.6	4981.1	4994.9	4990.3
17.5°	4558.4	4751.4	4824.9	4838.7	4861.6	4857.1	4861.6	4880.0	4926.0	4935.2	4939.7
20°	4443.5	4664.0	4751.4	4765.1	4788.1	4788.1	4788.1	4811.1	4857.1	4875.5	4875.5
22.5°	4287.3	4572.1	4664.0	4673.3	4700.9	4700.9	4710.0	4742.1	4783.5	4788.1	4788.1
25°	4103.5	4471.0	4549.2	4576.8	4604.4	4618.1	4631.9	4650.3	4664.0	4659.5	4664.0
27.5°	3910.5	4342.4	4443.5	4461.9	4498.7	4512.4	4530.8	4535.4	4540.0	4553.8	4544.6
30°	3694.5	4163.2	4314.8	4333.2	4392.9	4402.2	4383.8	4392.9	4415.9	4425.2	4434.3
32.5°	3450.9	3896.7	4181.6	4222.9	4278.1	4250.5	4245.9	4259.7	4296.4	4296.4	4305.7
35°	3120.1	3689.9	4057.5	4094.2	4135.6	4103.5	4121.8	4126.4	4149.4	4163.2	4158.6
37.5°	2757.1	3510.7	3928.9	3956.5	3988.6	3947.2	3974.8	3988.6	4007.0	3997.7	3997.7
40°	2435.4	3230.3	3777.2	3795.6	3823.1	3791.0	3818.6	3827.7	3837.0	3827.7	3823.1
42.5°	2196.5	2922.5	3616.4	3639.4	3621.0	3643.9	3653.1	3671.5	3657.8	3639.4	3639.4
45°	2012.6	2839.8	3441.8	3469.3	3441.8	3478.5	3492.3	3492.3	3450.9	3441.8	3437.2
47.5°	1953.0	2674.4	3267.2	3267.2	3253.3	3299.3	3322.3	3290.1	3248.8	3235.0	3235.0
50°	1948.4	2490.6	3028.2	3009.8	3074.1	3129.3	3106.3	3074.1	3042.0	2991.5	2991.5
52.5°	1769.1	2265.4	2720.3	2789.3	2890.4	2922.5	2885.7	2853.6	2798.4	2775.5	2757.1
55°	1640.4	2031.1	2440.0	2577.9	2683.5	2724.9	2656.0	2623.8	2541.1	2527.3	2518.2
57.5°	1612.9	1691.0	2182.7	2357.3	2485.9	2481.4	2440.0	2380.3	2311.3	2297.6	2293.0
60°	1479.7	1222.3	1907.0	2113.7	2247.1	2233.2	2196.5	2141.3	2077.0	2067.8	2058.6
62.5°	1341.8	886.9	1594.5	1828.9	2017.2	2012.6	1980.5	1897.8	1851.9	1828.9	1810.5
65°	1139.6	744.4	1135.0	1521.0	1792.1	1801.3	1732.4	1672.6	1622.0	1594.5	1589.9
67.5°	868.5	606.5	767.4	1268.2	1576.2	1566.9	1479.7	1452.1	1387.7	1373.9	1346.3
70°	643.3	404.3	533.0	1029.3	1364.7	1341.8	1272.8	1240.7	1181.0	1148.7	1130.4
72.5°	533.0	326.2	390.6	799.5	1148.7	1121.2	1061.5	1024.7	974.1	946.6	928.2
75°	431.9	344.6	298.7	592.8	932.8	914.4	859.3	822.5	781.2	744.4	749.0
77.5°	317.1	321.7	239.0	436.6	739.8	712.3	680.0	634.2	615.8	579.0	579.0
80°	239.0	252.7	179.2	298.7	533.0	533.0	505.4	473.3	441.2	422.7	422.7
82.5°	160.8	160.8	133.2	188.4	363.1	349.2	330.8	321.7	303.3	294.1	294.1
85°	73.5	91.9	82.7	114.9	197.6	206.7	206.7	197.6	193.0	183.8	188.4
87.5°	23.0	41.4	50.5	64.4	101.1	105.7	110.2	110.2	110.2	114.9	114.9
90°	11.3	20.4	29.3	31.6	49.7	73.8	85.8	76.3	57.2	42.9	42.9
92.5°	45.2	121.9	198.8	218.0	306.5	424.4	483.4	423.7	304.2	214.6	206.1
95°	108.4	249.0	389.6	424.7	754.1	1193.4	1413.0	1260.9	956.7	728.5	702.6
97.5°	187.5	311.5	435.5	466.5	1015.8	1748.1	2114.4	2018.2	1826.0	1681.8	1632.6
100°	248.5	360.9	473.3	501.5	1111.0	1923.7	2330.2	2337.2	2351.2	2361.7	2303.2
102.5°	300.4	405.3	510.2	536.5	1154.7	1979.0	2391.2	2513.6	2758.6	2942.3	2892.1
105°	388.6	477.4	566.3	588.4	1187.1	1985.3	2384.4	2659.0	3208.2	3620.0	3593.0
107.5°	478.9	561.7	644.6	665.3	1193.1	1896.9	2248.8	2631.8	3397.9	3972.4	3978.9
110°	539.9	614.7	689.5	708.2	1184.0	1818.6	2135.8	2564.0	3420.4	4062.7	4090.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	599.8	671.1	742.3	760.2	1184.5	1750.2	2033.1	2471.4	3347.8	4005.2	4048.3
115°	690.1	755.9	821.6	838.1	1195.4	1671.7	1910.0	2332.1	3176.5	3809.7	3869.6
117.5°	779.3	839.1	898.8	913.8	1217.6	1622.7	1825.3	2206.2	2968.3	3539.8	3606.2
120°	831.3	887.5	943.8	957.8	1235.7	1606.2	1791.4	2139.5	2835.8	3358.0	3422.5
122.5°	882.2	938.9	995.6	1009.8	1261.7	1597.5	1765.4	2078.9	2705.9	3176.1	3239.8
125°	960.1	1011.8	1063.5	1076.4	1296.6	1590.4	1737.2	2003.5	2536.1	2935.5	2994.1
127.5°	1023.3	1075.5	1127.7	1140.8	1331.7	1586.2	1713.5	1942.1	2399.4	2742.4	2791.8
130°	1057.2	1113.4	1169.6	1183.7	1357.3	1588.7	1704.4	1908.0	2315.1	2620.4	2666.2
132.5°	1092.3	1148.5	1204.7	1218.7	1377.9	1590.3	1696.5	1878.7	2243.2	2516.5	2557.4
135°	1144.2	1195.4	1246.6	1259.4	1400.6	1588.8	1683.0	1835.6	2140.7	2369.6	2404.9
137.5°	1197.3	1247.9	1298.6	1311.3	1434.4	1598.6	1680.7	1809.7	2067.7	2261.3	2290.1
140°	1241.3	1288.0	1334.7	1346.3	1455.1	1600.2	1672.7	1784.2	2007.1	2174.3	2201.3
142.5°	1275.2	1318.4	1361.5	1372.3	1472.4	1605.9	1672.7	1770.7	1966.5	2113.3	2136.5
145°	1327.1	1364.8	1402.5	1411.9	1495.1	1606.0	1661.5	1741.5	1901.7	2021.8	2039.3
147.5°	1379.1	1415.8	1452.4	1461.6	1528.2	1617.1	1661.5	1724.5	1850.5	1945.0	1959.6
150°	1413.0	1446.1	1479.2	1487.5	1545.6	1622.9	1661.5	1714.7	1821.1	1900.9	1912.7
152.5°	1448.0	1473.1	1498.2	1504.5	1556.8	1626.6	1661.5	1707.0	1797.7	1865.9	1874.8
155°	1499.9	1518.5	1537.1	1541.8	1581.7	1634.9	1661.5	1697.6	1769.9	1824.1	1830.0
157.5°	1538.3	1556.4	1574.5	1579.1	1606.6	1643.2	1661.5	1689.6	1745.8	1788.0	1792.1
160°	1564.3	1578.4	1592.4	1596.0	1617.8	1646.9	1661.5	1685.6	1733.7	1769.9	1772.2
162.5°	1590.3	1600.8	1611.4	1614.0	1629.8	1650.9	1661.5	1681.8	1722.4	1752.9	1755.2
165°	1618.5	1628.0	1637.6	1640.0	1647.1	1656.7	1661.5	1676.1	1705.1	1727.0	1729.3
167.5°	1644.5	1649.0	1653.5	1654.7	1660.7	1668.8	1672.7	1682.3	1701.4	1715.7	1716.7
170°	1661.5	1666.0	1670.6	1671.7	1672.0	1672.5	1672.7	1682.3	1701.4	1715.7	1715.7
172.5°	1670.5	1671.5	1672.5	1672.7	1672.7	1672.7	1672.7	1680.3	1695.4	1706.7	1705.8
175°	1683.0	1683.0	1683.0	1683.0	1679.5	1675.0	1672.7	1677.5	1687.0	1694.2	1694.2
177.5°	1683.0	1683.0	1683.0	1683.0	1680.3	1676.8	1675.0	1678.8	1686.3	1691.9	1690.9
180°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4981.1	4967.3	4981.1	4972.0	4976.6	4962.7	4921.4	4907.6	4921.4	4935.2	4935.2
5°	5040.8	5031.7	5040.8	5040.8	5036.3	5027.1	4981.1	4972.0	4981.1	4985.7	4976.6
7.5°	5059.2	5045.5	5059.2	5050.1	5050.1	5040.8	4994.9	4985.7	4990.3	5004.1	4990.3
10°	5059.2	5045.5	5059.2	5054.7	5050.1	5040.8	4994.9	4976.6	4976.6	4990.3	4976.6
12.5°	5036.3	5027.1	5036.3	5027.1	5027.1	5017.9	4972.0	4953.6	4958.1	4962.7	4944.4
15°	4999.5	4985.7	4999.5	4990.3	4994.9	4981.1	4930.6	4912.2	4912.2	4921.4	4889.2
17.5°	4944.4	4926.0	4944.4	4939.7	4935.2	4926.0	4880.0	4861.6	4857.1	4861.6	4838.7
20°	4880.0	4866.2	4880.0	4875.5	4875.5	4857.1	4811.1	4788.1	4788.1	4788.1	4765.1
22.5°	4779.0	4765.1	4779.0	4788.1	4788.1	4783.5	4742.1	4710.0	4700.9	4700.9	4673.3
25°	4664.0	4650.3	4664.0	4664.0	4659.5	4664.0	4650.3	4631.9	4618.1	4604.4	4576.8
27.5°	4553.8	4544.6	4553.8	4544.6	4553.8	4540.0	4535.4	4530.8	4512.4	4498.7	4461.9
30°	4443.5	4434.3	4443.5	4434.3	4425.2	4415.9	4392.9	4383.8	4402.2	4392.9	4333.2
32.5°	4305.7	4296.4	4305.7	4305.7	4296.4	4296.4	4259.7	4245.9	4250.5	4278.1	4222.9
35°	4163.2	4149.4	4163.2	4158.6	4163.2	4149.4	4126.4	4121.8	4103.5	4135.6	4094.2
37.5°	3997.7	3984.0	3997.7	3997.7	3997.7	4007.0	3988.6	3974.8	3947.2	3988.6	3956.5
40°	3827.7	3809.4	3827.7	3823.1	3827.7	3837.0	3827.7	3818.6	3791.0	3823.1	3795.6
42.5°	3634.8	3630.1	3634.8	3639.4	3639.4	3657.8	3671.5	3653.1	3643.9	3621.0	3639.4
45°	3427.9	3418.8	3427.9	3437.2	3441.8	3450.9	3492.3	3492.3	3478.5	3441.8	3469.3
47.5°	3207.4	3184.4	3207.4	3235.0	3235.0	3248.8	3290.1	3322.3	3299.3	3253.3	3267.2
50°	2973.1	2977.6	2973.1	2991.5	2991.5	3042.0	3074.1	3106.3	3129.3	3074.1	3009.8
52.5°	2743.3	2738.7	2743.3	2757.1	2775.5	2798.4	2853.6	2885.7	2922.5	2890.4	2789.3
55°	2513.5	2522.8	2513.5	2518.2	2527.3	2541.1	2623.8	2656.0	2724.9	2683.5	2577.9
57.5°	2283.8	2270.0	2283.8	2293.0	2297.6	2311.3	2380.3	2440.0	2481.4	2485.9	2357.3
60°	2017.2	1998.9	2017.2	2058.6	2067.8	2077.0	2141.3	2196.5	2233.2	2247.1	2113.7
62.5°	1782.9	1750.8	1782.9	1810.5	1828.9	1851.9	1897.8	1980.5	2012.6	2017.2	1828.9
65°	1534.8	1521.0	1534.8	1589.9	1594.5	1622.0	1672.6	1732.4	1801.3	1792.1	1521.0
67.5°	1309.6	1309.6	1309.6	1346.3	1373.9	1387.7	1452.1	1479.7	1566.9	1576.2	1268.2
70°	1102.8	1098.2	1102.8	1130.4	1148.7	1181.0	1240.7	1272.8	1341.8	1364.7	1029.3
72.5°	905.3	900.6	905.3	928.2	946.6	974.1	1024.7	1061.5	1121.2	1148.7	799.5
75°	730.6	721.4	730.6	749.0	744.4	781.2	822.5	859.3	914.4	932.8	592.8
77.5°	560.6	560.6	560.6	579.0	579.0	615.8	634.2	680.0	712.3	739.8	436.6
80°	418.2	413.6	418.2	422.7	422.7	441.2	473.3	505.4	533.0	533.0	298.7
82.5°	294.1	284.9	294.1	294.1	294.1	303.3	321.7	330.8	349.2	363.1	188.4
85°	183.8	183.8	183.8	188.4	183.8	193.0	197.6	206.7	206.7	197.6	114.9
87.5°	119.5	114.9	119.5	114.9	114.9	110.2	110.2	110.2	105.7	101.1	64.4
90°	42.9	42.9	42.9	42.9	42.9	57.2	76.3	85.8	73.8	49.7	31.6
92.5°	171.9	137.8	171.9	206.1	214.6	304.2	423.7	483.4	424.4	306.5	218.0
95°	599.2	495.8	599.2	702.6	728.5	956.7	1260.9	1413.0	1193.4	754.1	424.7
97.5°	1435.9	1239.1	1435.9	1632.6	1681.8	1826.0	2018.2	2114.4	1748.1	1015.8	466.5
100°	2068.7	1834.3	2068.7	2303.2	2361.7	2351.2	2337.2	2330.2	1923.7	1111.0	501.5
102.5°	2691.3	2490.6	2691.3	2892.1	2942.3	2758.6	2513.6	2391.2	1979.0	1154.7	536.5
105°	3485.1	3377.2	3485.1	3593.0	3620.0	3208.2	2659.0	2384.4	1985.3	1187.1	588.4
107.5°	4005.1	4031.1	4005.1	3978.9	3972.4	3397.9	2631.8	2248.8	1896.9	1193.1	665.3
110°	4203.3	4315.8	4203.3	4090.9	4062.7	3420.4	2564.0	2135.8	1818.6	1184.0	708.2



TEST NUMBER: P935355

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4221.0	4393.7	4221.0	4048.3	4005.2	3347.8	2471.4	2033.1	1750.2	1184.5	760.2
115°	4109.1	4348.5	4109.1	3869.6	3809.7	3176.5	2332.1	1910.0	1671.7	1195.4	838.1
117.5°	3871.7	4137.3	3871.7	3606.2	3539.8	2968.3	2206.2	1825.3	1622.7	1217.6	913.8
120°	3680.5	3938.5	3680.5	3422.5	3358.0	2835.8	2139.5	1791.4	1606.2	1235.7	957.8
122.5°	3494.2	3748.7	3494.2	3239.8	3176.1	2705.9	2078.9	1765.4	1597.5	1261.7	1009.8
125°	3228.5	3463.0	3228.5	2994.1	2935.5	2536.1	2003.5	1737.2	1590.4	1296.6	1076.4
127.5°	2989.7	3187.4	2989.7	2791.8	2742.4	2399.4	1942.1	1713.5	1586.2	1331.7	1140.8
130°	2848.8	3031.6	2848.8	2666.2	2620.4	2315.1	1908.0	1704.4	1588.7	1357.3	1183.7
132.5°	2721.1	2884.7	2721.1	2557.4	2516.5	2243.2	1878.7	1696.5	1590.3	1377.9	1218.7
135°	2545.9	2687.1	2545.9	2404.9	2369.6	2140.7	1835.6	1683.0	1588.8	1400.6	1259.4
137.5°	2405.6	2521.1	2405.6	2290.1	2261.3	2067.7	1809.7	1680.7	1598.6	1434.4	1311.3
140°	2309.2	2417.1	2309.2	2201.3	2174.3	2007.1	1784.2	1672.7	1600.2	1455.1	1346.3
142.5°	2229.3	2322.2	2229.3	2136.5	2113.3	1966.5	1770.7	1672.7	1605.9	1472.4	1372.3
145°	2109.7	2179.9	2109.7	2039.3	2021.8	1901.7	1741.5	1661.5	1606.0	1495.1	1411.9
147.5°	2017.8	2076.0	2017.8	1959.6	1945.0	1850.5	1724.5	1661.5	1617.1	1528.2	1461.6
150°	1959.9	2007.1	1959.9	1912.7	1900.9	1821.1	1714.7	1661.5	1622.9	1545.6	1487.5
152.5°	1910.4	1946.1	1910.4	1874.8	1865.9	1797.7	1707.0	1661.5	1626.6	1556.8	1504.5
155°	1853.6	1877.2	1853.6	1830.0	1824.1	1769.9	1697.6	1661.5	1634.9	1581.7	1541.8
157.5°	1808.7	1825.3	1808.7	1792.1	1788.0	1745.8	1689.6	1661.5	1643.2	1606.6	1579.1
160°	1781.8	1791.4	1781.8	1772.2	1769.9	1733.7	1685.6	1661.5	1646.9	1617.8	1596.0
162.5°	1764.2	1773.3	1764.2	1755.2	1752.9	1722.4	1681.8	1661.5	1650.9	1629.8	1614.0
165°	1738.9	1748.4	1738.9	1729.3	1727.0	1705.1	1676.1	1661.5	1656.7	1647.1	1640.0
167.5°	1720.7	1724.7	1720.7	1716.7	1715.7	1701.4	1682.3	1672.7	1668.8	1660.7	1654.7
170°	1715.7	1715.7	1715.7	1715.7	1715.7	1701.4	1682.3	1672.7	1672.5	1672.0	1671.7
172.5°	1702.2	1698.7	1702.2	1705.8	1706.7	1695.4	1680.3	1672.7	1672.7	1672.7	1672.7
175°	1694.2	1694.2	1694.2	1694.2	1694.2	1687.0	1677.5	1672.7	1675.0	1679.5	1683.0
177.5°	1686.9	1683.0	1686.9	1690.9	1691.9	1686.3	1678.8	1675.0	1676.8	1680.3	1683.0
180°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0



TEST NUMBER: P935355
 CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4926.0	4898.5	4898.5	4852.5	4834.1	4820.3	4797.4	4728.4	4710.0	4691.6	4719.2
5°	4967.3	4916.8	4880.0	4797.4	4728.4	4700.9	4613.5	4448.1	4337.8	4255.1	4209.2
7.5°	4976.6	4912.2	4843.2	4714.6	4549.2	4475.7	4209.2	3905.9	3823.1	3749.6	3703.6
10°	4967.3	4893.8	4797.4	4604.4	4213.7	4085.1	3818.6	3621.0	3570.4	3556.6	3570.4
12.5°	4935.2	4866.2	4733.0	4411.3	3864.5	3777.2	3621.0	3506.1	3496.9	3519.9	3643.9
15°	4880.0	4815.7	4659.5	4154.0	3671.5	3607.2	3496.9	3455.5	3506.1	3666.9	4039.1
17.5°	4824.9	4751.4	4558.4	3901.2	3524.5	3478.5	3400.4	3483.2	3768.0	3984.0	4108.1
20°	4751.4	4664.0	4443.5	3717.5	3418.8	3377.4	3340.7	3712.9	3928.9	4007.0	4075.8
22.5°	4664.0	4572.1	4287.3	3588.8	3308.5	3276.3	3299.3	3841.5	3928.9	3984.0	4043.7
25°	4549.2	4471.0	4103.5	3487.7	3221.2	3184.4	3271.7	3827.7	3878.3	3892.1	4011.6
27.5°	4443.5	4342.4	3910.5	3395.8	3115.5	3101.7	3294.7	3768.0	3804.8	3818.6	3947.2
30°	4314.8	4163.2	3694.5	3299.3	3005.2	3000.6	3299.3	3694.5	3685.3	3722.0	3850.7
32.5°	4181.6	3896.7	3450.9	3179.8	2899.5	2895.0	3267.2	3584.2	3575.0	3625.5	3722.0
35°	4057.5	3689.9	3120.1	3042.0	2766.3	2770.9	3189.1	3455.5	3460.2	3506.1	3565.8
37.5°	3928.9	3510.7	2757.1	2890.4	2637.6	2637.6	3083.3	3336.1	3326.9	3340.7	3423.4
40°	3777.2	3230.3	2435.4	2692.8	2518.2	2504.3	2954.7	3207.4	3175.2	3170.7	3285.6
42.5°	3616.4	2922.5	2196.5	2430.8	2380.3	2361.9	2798.4	3051.2	2991.5	3005.2	3152.2
45°	3441.8	2839.8	2012.6	2054.0	2237.8	2224.1	2628.4	2872.0	2830.6	2867.4	3019.0
47.5°	3267.2	2674.4	1953.0	1704.8	2086.2	2081.6	2440.0	2697.4	2674.4	2711.1	2872.0
50°	3028.2	2490.6	1948.4	1461.3	1916.1	1934.5	2214.8	2527.3	2527.3	2559.5	2729.5
52.5°	2720.3	2265.4	1769.1	1323.4	1718.5	1773.8	2017.2	2380.3	2389.4	2421.7	2573.3
55°	2440.0	2031.1	1640.4	1217.7	1484.2	1603.7	1824.3	2228.6	2247.1	2279.2	2417.1
57.5°	2182.7	1691.0	1612.9	1093.6	1268.2	1383.2	1654.3	2081.6	2090.8	2118.3	2251.6
60°	1907.0	1222.3	1479.7	960.4	1079.9	1167.2	1498.0	1907.0	1939.1	1957.5	2072.4
62.5°	1594.5	886.9	1341.8	868.5	988.0	1006.4	1369.3	1741.5	1782.9	1796.7	1865.6
65°	1135.0	744.4	1139.6	790.4	891.5	896.0	1231.5	1571.5	1608.3	1631.3	1681.8
67.5°	767.4	606.5	868.5	716.8	817.9	822.5	1098.2	1373.9	1424.5	1442.9	1475.1
70°	533.0	404.3	643.3	638.7	735.3	744.4	955.8	1194.7	1240.7	1254.5	1272.8
72.5°	390.6	326.2	533.0	574.4	647.9	657.1	808.8	992.5	1038.5	1052.2	1061.5
75°	298.7	344.6	431.9	500.8	551.4	556.0	661.7	808.8	840.9	850.1	854.7
77.5°	239.0	321.7	317.1	404.3	450.3	441.2	519.3	624.9	652.5	652.5	652.5
80°	179.2	252.7	239.0	289.5	330.8	321.7	372.2	445.7	454.9	464.1	459.6
82.5°	133.2	160.8	160.8	183.8	220.6	211.4	248.1	289.5	289.5	289.5	298.7
85°	82.7	91.9	73.5	96.5	124.1	119.5	137.9	156.2	160.8	160.8	151.6
87.5°	50.5	41.4	23.0	36.7	55.1	55.1	64.4	68.9	64.4	64.4	64.4
90°	29.3	20.4	11.3	20.4	29.3	31.6	49.7	73.8	85.8	76.3	57.2
92.5°	198.8	121.9	45.2	121.9	198.8	218.0	306.5	424.4	483.4	423.7	304.2
95°	389.6	249.0	108.4	249.0	389.6	424.7	754.1	1193.4	1413.0	1260.9	956.7
97.5°	435.5	311.5	187.5	311.5	435.5	466.5	1015.8	1748.1	2114.4	2018.2	1826.0
100°	473.3	360.9	248.5	360.9	473.3	501.5	1111.0	1923.7	2330.2	2337.2	2351.2
102.5°	510.2	405.3	300.4	405.3	510.2	536.5	1154.7	1979.0	2391.2	2513.6	2758.6
105°	566.3	477.4	388.6	477.4	566.3	588.4	1187.1	1985.3	2384.4	2659.0	3208.2
107.5°	644.6	561.7	478.9	561.7	644.6	665.3	1193.1	1896.9	2248.8	2631.8	3397.9
110°	689.5	614.7	539.9	614.7	689.5	708.2	1184.0	1818.6	2135.8	2564.0	3420.4



TEST NUMBER: P935355

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	742.3	671.1	599.8	671.1	742.3	760.2	1184.5	1750.2	2033.1	2471.4	3347.8
115°	821.6	755.9	690.1	755.9	821.6	838.1	1195.4	1671.7	1910.0	2332.1	3176.5
117.5°	898.8	839.1	779.3	839.1	898.8	913.8	1217.6	1622.7	1825.3	2206.2	2968.3
120°	943.8	887.5	831.3	887.5	943.8	957.8	1235.7	1606.2	1791.4	2139.5	2835.8
122.5°	995.6	938.9	882.2	938.9	995.6	1009.8	1261.7	1597.5	1765.4	2078.9	2705.9
125°	1063.5	1011.8	960.1	1011.8	1063.5	1076.4	1296.6	1590.4	1737.2	2003.5	2536.1
127.5°	1127.7	1075.5	1023.3	1075.5	1127.7	1140.8	1331.7	1586.2	1713.5	1942.1	2399.4
130°	1169.6	1113.4	1057.2	1113.4	1169.6	1183.7	1357.3	1588.7	1704.4	1908.0	2315.1
132.5°	1204.7	1148.5	1092.3	1148.5	1204.7	1218.7	1377.9	1590.3	1696.5	1878.7	2243.2
135°	1246.6	1195.4	1144.2	1195.4	1246.6	1259.4	1400.6	1588.8	1683.0	1835.6	2140.7
137.5°	1298.6	1247.9	1197.3	1247.9	1298.6	1311.3	1434.4	1598.6	1680.7	1809.7	2067.7
140°	1334.7	1288.0	1241.3	1288.0	1334.7	1346.3	1455.1	1600.2	1672.7	1784.2	2007.1
142.5°	1361.5	1318.4	1275.2	1318.4	1361.5	1372.3	1472.4	1605.9	1672.7	1770.7	1966.5
145°	1402.5	1364.8	1327.1	1364.8	1402.5	1411.9	1495.1	1606.0	1661.5	1741.5	1901.7
147.5°	1452.4	1415.8	1379.1	1415.8	1452.4	1461.6	1528.2	1617.1	1661.5	1724.5	1850.5
150°	1479.2	1446.1	1413.0	1446.1	1479.2	1487.5	1545.6	1622.9	1661.5	1714.7	1821.1
152.5°	1498.2	1473.1	1448.0	1473.1	1498.2	1504.5	1556.8	1626.6	1661.5	1707.0	1797.7
155°	1537.1	1518.5	1499.9	1518.5	1537.1	1541.8	1581.7	1634.9	1661.5	1697.6	1769.9
157.5°	1574.5	1556.4	1538.3	1556.4	1574.5	1579.1	1606.6	1643.2	1661.5	1689.6	1745.8
160°	1592.4	1578.4	1564.3	1578.4	1592.4	1596.0	1617.8	1646.9	1661.5	1685.6	1733.7
162.5°	1611.4	1600.8	1590.3	1600.8	1611.4	1614.0	1629.8	1650.9	1661.5	1681.8	1722.4
165°	1637.6	1628.0	1618.5	1628.0	1637.6	1640.0	1647.1	1656.7	1661.5	1676.1	1705.1
167.5°	1653.5	1649.0	1644.5	1649.0	1653.5	1654.7	1660.7	1668.8	1672.7	1682.3	1701.4
170°	1670.6	1666.0	1661.5	1666.0	1670.6	1671.7	1672.0	1672.5	1672.7	1682.3	1701.4
172.5°	1672.5	1671.5	1670.5	1671.5	1672.5	1672.7	1672.7	1672.7	1672.7	1680.3	1695.4
175°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1679.5	1675.0	1672.7	1677.5	1687.0
177.5°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1680.3	1676.8	1675.0	1678.8	1686.3
180°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0



TEST NUMBER: P935355
 CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4687.0	4673.3	4691.6	4641.1	4691.6	4673.3	4687.0	4719.2	4691.6	4710.0	4728.4
5°	4112.7	4089.7	4016.1	3956.5	4016.1	4089.7	4112.7	4209.2	4255.1	4337.8	4448.1
7.5°	3676.1	3657.8	3639.4	3602.6	3639.4	3657.8	3676.1	3703.6	3749.6	3823.1	3905.9
10°	3579.6	3584.2	3611.8	3607.2	3611.8	3584.2	3579.6	3570.4	3556.6	3570.4	3621.0
12.5°	3827.7	3869.1	4020.7	4011.6	4020.7	3869.1	3827.7	3643.9	3519.9	3496.9	3506.1
15°	4112.7	4126.4	4158.6	4163.2	4158.6	4126.4	4112.7	4039.1	3666.9	3506.1	3455.5
17.5°	4140.2	4144.8	4167.8	4167.8	4167.8	4144.8	4140.2	4108.1	3984.0	3768.0	3483.2
20°	4117.2	4126.4	4172.4	4181.6	4172.4	4126.4	4117.2	4075.8	4007.0	3928.9	3712.9
22.5°	4108.1	4126.4	4163.2	4158.6	4163.2	4126.4	4108.1	4043.7	3984.0	3928.9	3841.5
25°	4062.1	4062.1	4066.7	4071.3	4066.7	4062.1	4062.1	4011.6	3892.1	3878.3	3827.7
27.5°	3965.6	3974.8	4002.4	3997.7	4002.4	3974.8	3965.6	3947.2	3818.6	3804.8	3768.0
30°	3878.3	3869.1	3846.1	3827.7	3846.1	3869.1	3878.3	3850.7	3722.0	3685.3	3694.5
32.5°	3731.3	3708.3	3685.3	3671.5	3685.3	3708.3	3731.3	3722.0	3625.5	3575.0	3584.2
35°	3556.6	3561.3	3556.6	3542.9	3556.6	3561.3	3556.6	3565.8	3506.1	3460.2	3455.5
37.5°	3432.6	3441.8	3437.2	3418.8	3437.2	3441.8	3432.6	3423.4	3340.7	3326.9	3336.1
40°	3303.9	3308.5	3303.9	3290.1	3303.9	3308.5	3303.9	3285.6	3170.7	3175.2	3207.4
42.5°	3179.8	3175.2	3161.5	3152.2	3161.5	3175.2	3179.8	3152.2	3005.2	2991.5	3051.2
45°	3037.4	3042.0	3014.4	3000.6	3014.4	3042.0	3037.4	3019.0	2867.4	2830.6	2872.0
47.5°	2895.0	2895.0	2872.0	2858.1	2872.0	2895.0	2895.0	2872.0	2711.1	2674.4	2697.4
50°	2743.3	2738.7	2706.5	2701.9	2706.5	2738.7	2743.3	2729.5	2559.5	2527.3	2527.3
52.5°	2568.7	2568.7	2573.3	2582.4	2573.3	2568.7	2568.7	2573.3	2421.7	2389.4	2380.3
55°	2417.1	2421.7	2453.8	2463.0	2453.8	2421.7	2417.1	2417.1	2279.2	2247.1	2228.6
57.5°	2260.8	2260.8	2283.8	2283.8	2283.8	2260.8	2260.8	2251.6	2118.3	2090.8	2081.6
60°	2081.6	2090.8	2109.2	2104.6	2109.2	2090.8	2081.6	2072.4	1957.5	1939.1	1907.0
62.5°	1893.2	1902.4	1907.0	1897.8	1907.0	1902.4	1893.2	1865.6	1796.7	1782.9	1741.5
65°	1695.6	1704.8	1709.4	1700.2	1709.4	1704.8	1695.6	1681.8	1631.3	1608.3	1571.5
67.5°	1493.4	1488.8	1484.2	1502.6	1484.2	1488.8	1493.4	1475.1	1442.9	1424.5	1373.9
70°	1286.6	1286.6	1282.1	1291.2	1282.1	1286.6	1286.6	1272.8	1254.5	1240.7	1194.7
72.5°	1066.1	1061.5	1079.9	1066.1	1079.9	1061.5	1066.1	1061.5	1052.2	1038.5	992.5
75°	850.1	859.3	850.1	863.9	850.1	859.3	850.1	854.7	850.1	840.9	808.8
77.5°	647.9	657.1	647.9	647.9	647.9	657.1	647.9	652.5	652.5	652.5	624.9
80°	459.6	454.9	454.9	450.3	454.9	454.9	459.6	459.6	464.1	454.9	445.7
82.5°	294.1	289.5	289.5	298.7	289.5	289.5	294.1	298.7	289.5	289.5	289.5
85°	160.8	165.5	156.2	156.2	156.2	165.5	160.8	151.6	160.8	160.8	156.2
87.5°	59.7	55.1	55.1	55.1	55.1	55.1	59.7	64.4	64.4	64.4	68.9
90°	42.9	42.9	42.9	42.9	42.9	42.9	42.9	57.2	76.3	85.8	73.8
92.5°	214.6	206.1	171.9	137.8	171.9	206.1	214.6	304.2	423.7	483.4	424.4
95°	728.5	702.6	599.2	495.8	599.2	702.6	728.5	956.7	1260.9	1413.0	1193.4
97.5°	1681.8	1632.6	1435.9	1239.1	1435.9	1632.6	1681.8	1826.0	2018.2	2114.4	1748.1
100°	2361.7	2303.2	2068.7	1834.3	2068.7	2303.2	2361.7	2351.2	2337.2	2330.2	1923.7
102.5°	2942.3	2892.1	2691.3	2490.6	2691.3	2892.1	2942.3	2758.6	2513.6	2391.2	1979.0
105°	3620.0	3593.0	3485.1	3377.2	3485.1	3593.0	3620.0	3208.2	2659.0	2384.4	1985.3
107.5°	3972.4	3978.9	4005.1	4031.1	4005.1	3978.9	3972.4	3397.9	2631.8	2248.8	1896.9
110°	4062.7	4090.9	4203.3	4315.8	4203.3	4090.9	4062.7	3420.4	2564.0	2135.8	1818.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4005.2	4048.3	4221.0	4393.7	4221.0	4048.3	4005.2	3347.8	2471.4	2033.1	1750.2
115°	3809.7	3869.6	4109.1	4348.5	4109.1	3869.6	3809.7	3176.5	2332.1	1910.0	1671.7
117.5°	3539.8	3606.2	3871.7	4137.3	3871.7	3606.2	3539.8	2968.3	2206.2	1825.3	1622.7
120°	3358.0	3422.5	3680.5	3938.5	3680.5	3422.5	3358.0	2835.8	2139.5	1791.4	1606.2
122.5°	3176.1	3239.8	3494.2	3748.7	3494.2	3239.8	3176.1	2705.9	2078.9	1765.4	1597.5
125°	2935.5	2994.1	3228.5	3463.0	3228.5	2994.1	2935.5	2536.1	2003.5	1737.2	1590.4
127.5°	2742.4	2791.8	2989.7	3187.4	2989.7	2791.8	2742.4	2399.4	1942.1	1713.5	1586.2
130°	2620.4	2666.2	2848.8	3031.6	2848.8	2666.2	2620.4	2315.1	1908.0	1704.4	1588.7
132.5°	2516.5	2557.4	2721.1	2884.7	2721.1	2557.4	2516.5	2243.2	1878.7	1696.5	1590.3
135°	2369.6	2404.9	2545.9	2687.1	2545.9	2404.9	2369.6	2140.7	1835.6	1683.0	1588.8
137.5°	2261.3	2290.1	2405.6	2521.1	2405.6	2290.1	2261.3	2067.7	1809.7	1680.7	1598.6
140°	2174.3	2201.3	2309.2	2417.1	2309.2	2201.3	2174.3	2007.1	1784.2	1672.7	1600.2
142.5°	2113.3	2136.5	2229.3	2322.2	2229.3	2136.5	2113.3	1966.5	1770.7	1672.7	1605.9
145°	2021.8	2039.3	2109.7	2179.9	2109.7	2039.3	2021.8	1901.7	1741.5	1661.5	1606.0
147.5°	1945.0	1959.6	2017.8	2076.0	2017.8	1959.6	1945.0	1850.5	1724.5	1661.5	1617.1
150°	1900.9	1912.7	1959.9	2007.1	1959.9	1912.7	1900.9	1821.1	1714.7	1661.5	1622.9
152.5°	1865.9	1874.8	1910.4	1946.1	1910.4	1874.8	1865.9	1797.7	1707.0	1661.5	1626.6
155°	1824.1	1830.0	1853.6	1877.2	1853.6	1830.0	1824.1	1769.9	1697.6	1661.5	1634.9
157.5°	1788.0	1792.1	1808.7	1825.3	1808.7	1792.1	1788.0	1745.8	1689.6	1661.5	1643.2
160°	1769.9	1772.2	1781.8	1791.4	1781.8	1772.2	1769.9	1733.7	1685.6	1661.5	1646.9
162.5°	1752.9	1755.2	1764.2	1773.3	1764.2	1755.2	1752.9	1722.4	1681.8	1661.5	1650.9
165°	1727.0	1729.3	1738.9	1748.4	1738.9	1729.3	1727.0	1705.1	1676.1	1661.5	1656.7
167.5°	1715.7	1716.7	1720.7	1724.7	1720.7	1716.7	1715.7	1701.4	1682.3	1672.7	1668.8
170°	1715.7	1715.7	1715.7	1715.7	1715.7	1715.7	1715.7	1701.4	1682.3	1672.7	1672.5
172.5°	1706.7	1705.8	1702.2	1698.7	1702.2	1705.8	1706.7	1695.4	1680.3	1672.7	1672.7
175°	1694.2	1694.2	1694.2	1694.2	1694.2	1694.2	1694.2	1687.0	1677.5	1672.7	1675.0
177.5°	1691.9	1690.9	1686.9	1683.0	1686.9	1690.9	1691.9	1686.3	1678.8	1675.0	1676.8
180°	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0	1683.0



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CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4797.4	4820.3	4834.1	4852.5	4898.5
5°	4613.5	4700.9	4728.4	4797.4	4880.0
7.5°	4209.2	4475.7	4549.2	4714.6	4843.2
10°	3818.6	4085.1	4213.7	4604.4	4797.4
12.5°	3621.0	3777.2	3864.5	4411.3	4733.0
15°	3496.9	3607.2	3671.5	4154.0	4659.5
17.5°	3400.4	3478.5	3524.5	3901.2	4558.4
20°	3340.7	3377.4	3418.8	3717.5	4443.5
22.5°	3299.3	3276.3	3308.5	3588.8	4287.3
25°	3271.7	3184.4	3221.2	3487.7	4103.5
27.5°	3294.7	3101.7	3115.5	3395.8	3910.5
30°	3299.3	3000.6	3005.2	3299.3	3694.5
32.5°	3267.2	2895.0	2899.5	3179.8	3450.9
35°	3189.1	2770.9	2766.3	3042.0	3120.1
37.5°	3083.3	2637.6	2637.6	2890.4	2757.1
40°	2954.7	2504.3	2518.2	2692.8	2435.4
42.5°	2798.4	2361.9	2380.3	2430.8	2196.5
45°	2628.4	2224.1	2237.8	2054.0	2012.6
47.5°	2440.0	2081.6	2086.2	1704.8	1953.0
50°	2214.8	1934.5	1916.1	1461.3	1948.4
52.5°	2017.2	1773.8	1718.5	1323.4	1769.1
55°	1824.3	1603.7	1484.2	1217.7	1640.4
57.5°	1654.3	1383.2	1268.2	1093.6	1612.9
60°	1498.0	1167.2	1079.9	960.4	1479.7
62.5°	1369.3	1006.4	988.0	868.5	1341.8
65°	1231.5	896.0	891.5	790.4	1139.6
67.5°	1098.2	822.5	817.9	716.8	868.5
70°	955.8	744.4	735.3	638.7	643.3
72.5°	808.8	657.1	647.9	574.4	533.0
75°	661.7	556.0	551.4	500.8	431.9
77.5°	519.3	441.2	450.3	404.3	317.1
80°	372.2	321.7	330.8	289.5	239.0
82.5°	248.1	211.4	220.6	183.8	160.8
85°	137.9	119.5	124.1	96.5	73.5
87.5°	64.4	55.1	55.1	36.7	23.0
90°	49.7	31.6	29.3	20.4	11.3
92.5°	306.5	218.0	198.8	121.9	45.2
95°	754.1	424.7	389.6	249.0	108.4
97.5°	1015.8	466.5	435.5	311.5	187.5
100°	1111.0	501.5	473.3	360.9	248.5
102.5°	1154.7	536.5	510.2	405.3	300.4
105°	1187.1	588.4	566.3	477.4	388.6
107.5°	1193.1	665.3	644.6	561.7	478.9
110°	1184.0	708.2	689.5	614.7	539.9



TEST NUMBER: P935355

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1184.5	760.2	742.3	671.1	599.8
115°	1195.4	838.1	821.6	755.9	690.1
117.5°	1217.6	913.8	898.8	839.1	779.3
120°	1235.7	957.8	943.8	887.5	831.3
122.5°	1261.7	1009.8	995.6	938.9	882.2
125°	1296.6	1076.4	1063.5	1011.8	960.1
127.5°	1331.7	1140.8	1127.7	1075.5	1023.3
130°	1357.3	1183.7	1169.6	1113.4	1057.2
132.5°	1377.9	1218.7	1204.7	1148.5	1092.3
135°	1400.6	1259.4	1246.6	1195.4	1144.2
137.5°	1434.4	1311.3	1298.6	1247.9	1197.3
140°	1455.1	1346.3	1334.7	1288.0	1241.3
142.5°	1472.4	1372.3	1361.5	1318.4	1275.2
145°	1495.1	1411.9	1402.5	1364.8	1327.1
147.5°	1528.2	1461.6	1452.4	1415.8	1379.1
150°	1545.6	1487.5	1479.2	1446.1	1413.0
152.5°	1556.8	1504.5	1498.2	1473.1	1448.0
155°	1581.7	1541.8	1537.1	1518.5	1499.9
157.5°	1606.6	1579.1	1574.5	1556.4	1538.3
160°	1617.8	1596.0	1592.4	1578.4	1564.3
162.5°	1629.8	1614.0	1611.4	1600.8	1590.3
165°	1647.1	1640.0	1637.6	1628.0	1618.5
167.5°	1660.7	1654.7	1653.5	1649.0	1644.5
170°	1672.0	1671.7	1670.6	1666.0	1661.5
172.5°	1672.7	1672.7	1672.5	1671.5	1670.5
175°	1679.5	1683.0	1683.0	1683.0	1683.0
177.5°	1680.3	1683.0	1683.0	1683.0	1683.0
180°	1683.0	1683.0	1683.0	1683.0	1683.0



TEST NUMBER: P935355
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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	14.55	15.45	15.48	16.39	17.61	17.40	18.30	18.33	19.24	20.46
	3H	15.03	15.83	15.97	16.79	18.03	18.76	19.56	19.70	20.51	21.76
	4H	15.22	15.98	16.18	16.94	18.19	19.21	19.97	20.16	20.92	22.18
	6H	15.34	16.04	16.31	17.01	18.27	19.50	20.20	20.46	21.16	22.43
	8H	15.35	16.01	16.32	16.99	18.25	19.58	20.24	20.55	21.22	22.49
	12H	15.32	15.95	16.29	16.93	18.21	19.62	20.25	20.60	21.23	22.52
4H	2H	15.59	16.35	16.55	17.31	18.56	17.82	18.57	18.77	19.53	20.78
	3H	16.62	17.26	17.59	18.24	19.51	19.33	19.96	20.30	20.95	22.22
	4H	16.90	17.48	17.88	18.46	19.75	19.87	20.44	20.84	21.42	22.71
	6H	17.03	17.53	18.02	18.53	19.82	20.24	20.74	21.23	21.74	23.03
	8H	17.04	17.50	18.03	18.50	19.80	20.35	20.81	21.34	21.81	23.11
	12H	17.00	17.42	18.01	18.44	19.75	20.41	20.83	21.42	21.84	23.15
8H	4H	17.36	17.83	18.35	18.82	20.13	19.99	20.46	20.98	21.45	22.76
	6H	17.62	18.01	18.64	19.05	20.35	20.44	20.82	21.45	21.86	23.16
	8H	17.67	18.01	18.69	19.03	20.35	20.59	20.93	21.62	21.96	23.28
	12H	17.65	17.95	18.68	18.97	20.34	20.70	20.99	21.72	22.01	23.38
12H	4H	17.37	17.79	18.38	18.80	20.11	19.96	20.38	20.97	21.39	22.70
	6H	17.69	18.03	18.71	19.05	20.37	20.43	20.77	21.46	21.80	23.12
	8H	17.75	18.05	18.78	19.07	20.44	20.60	20.90	21.63	21.92	23.28