

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: P935754

Luminaire Tested: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935754
REPORT IS A COMBINATION OF REPORTS P933765 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

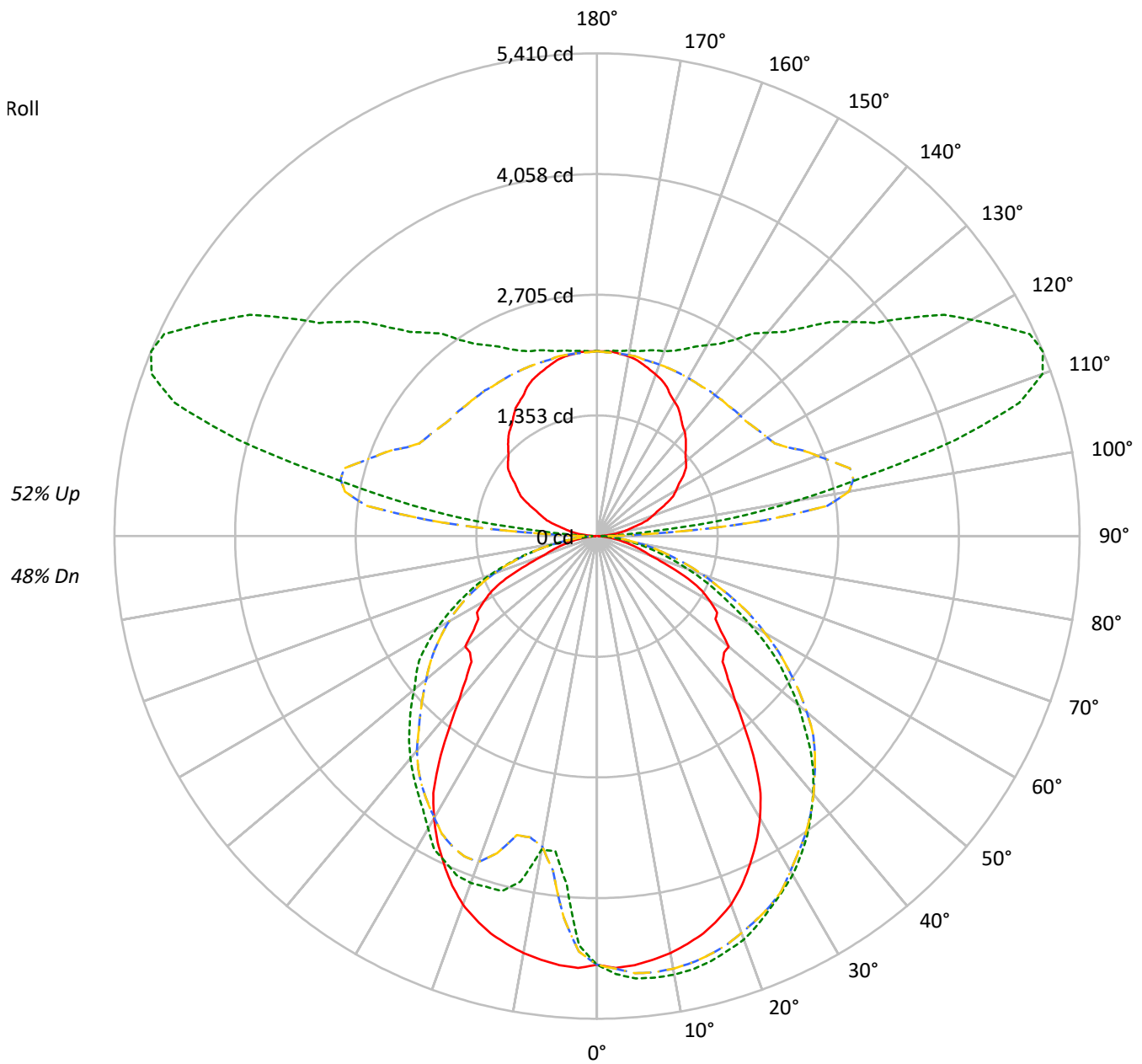
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25896.9 lumens
Efficiency: N/A
Efficacy: 114.8 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): 225.6
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



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14860	14860	14860	14860
5°	14976	15000	14976	11795
10°	14882	14776	14882	10564
15°	14725	14456	14725	12071
20°	14423	14077	14423	12096
25°	13798	13523	13798	11840
30°	12989	13064	12989	11277
35°	11585	12483	11585	10659
40°	9659	11800	9659	10191
45°	8636	10999	8636	9654
50°	9182	10044	9182	9114
55°	8647	9016	8647	8803
60°	8925	7657	8925	8062
65°	8105	6330	8105	7076
70°	5626	5045	5626	5931
75°	4951	3729	4951	4465
80°	4021	2465	4021	2684
85°	2356	1306	2356	1110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13228 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.7	1.7
10°-20°	1231.3	4.8
20°-30°	1903.4	7.3
30°-40°	2272.2	8.8
40°-50°	2285.5	8.8
50°-60°	1988.7	7.7
60°-70°	1410.0	5.4
70°-80°	746.0	2.9
80°-90°	193.7	0.7
90°-100°	1010.0	3.9
100°-110°	2655.4	10.3
110°-120°	2753.4	10.6
120°-130°	2208.6	8.5
130°-140°	1733.0	6.7
140°-150°	1330.1	5.1
150°-160°	957.9	3.7
160°-170°	586.1	2.3
170°-180°	198.0	0.8
0°-30°	3568.3	13.8
0°-40°	5840.5	22.6
0°-60°	10114.7	39.1
0°-90°	12464.4	48.1
90°-120°	6418.9	24.8
90°-150°	11690.5	45.1
90°-180°	13433.0	51.9
0°-180°	25896.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4804	4804	4804	4804	4804	
5°	4827	4977	4827	3913	4827	458
15°	4609	4932	4609	4118	4609	1297
25°	4059	4600	4059	4027	4059	1864
35°	3086	4104	3086	3504	3086	1909
45°	1991	3382	1991	2968	1991	1595
55°	1623	2495	1623	2436	1623	1491
65°	1127	1504	1127	1682	1127	1077
75°	427	714	427	854	427	449
85°	73	182	73	154	73	98
90°	14	53	14	53	14	15
95°	134	610	134	610	134	148
105°	478	4158	478	4158	478	507
115°	850	5354	850	5354	850	839
125°	1182	4264	1182	4264	1182	1049
135°	1409	3308	1409	3308	1409	1090
145°	1634	2684	1634	2684	1634	1024
155°	1847	2311	1847	2311	1847	849
165°	1993	2153	1993	2153	1993	562
175°	2072	2086	2072	2086	2072	197
180°	2072	2072	2072	2072	2072	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4845.2	4845.2	4872.4	4881.5	4881.5	4867.8	4854.2	4867.8	4908.7	4922.4	4917.9
5°	4826.9	4863.3	4913.3	4922.4	4931.5	4926.9	4917.9	4926.9	4972.4	4981.5	4986.0
7.5°	4790.5	4858.8	4922.4	4936.0	4949.6	4936.0	4931.5	4940.6	4986.0	4995.1	4995.1
10°	4745.2	4840.6	4913.3	4922.4	4936.0	4922.4	4922.4	4940.6	4986.0	4995.1	4999.7
12.5°	4681.5	4813.3	4881.5	4890.6	4908.7	4904.2	4899.7	4917.9	4963.3	4972.4	4972.4
15°	4608.8	4763.3	4826.9	4836.0	4867.8	4858.8	4858.8	4876.9	4926.9	4940.6	4936.0
17.5°	4508.8	4699.7	4772.4	4786.1	4808.7	4804.2	4808.7	4826.9	4872.4	4881.5	4886.0
20°	4395.2	4613.3	4699.7	4713.3	4736.0	4736.0	4736.0	4758.8	4804.2	4822.4	4822.4
22.5°	4240.6	4522.4	4613.3	4622.4	4649.7	4649.7	4658.8	4690.5	4731.5	4736.0	4736.0
25°	4058.8	4422.4	4499.7	4527.0	4554.3	4567.9	4581.5	4599.7	4613.3	4608.8	4613.3
27.5°	3867.9	4295.2	4395.2	4413.4	4449.7	4463.3	4481.5	4486.1	4490.6	4504.2	4495.2
30°	3654.3	4117.9	4267.9	4286.0	4345.1	4354.3	4336.1	4345.1	4367.9	4377.0	4386.0
32.5°	3413.4	3854.3	4136.1	4177.0	4231.5	4204.3	4199.7	4213.3	4249.7	4249.7	4258.8
35°	3086.1	3649.7	4013.3	4049.7	4090.6	4058.8	4077.0	4081.5	4104.3	4117.9	4113.3
37.5°	2727.1	3472.5	3886.1	3913.4	3945.2	3904.3	3931.6	3945.2	3963.4	3954.2	3954.2
40°	2408.9	3195.2	3736.1	3754.3	3781.5	3749.7	3777.1	3786.1	3795.2	3786.1	3781.5
42.5°	2172.6	2890.7	3577.0	3599.8	3581.6	3604.3	3613.4	3631.6	3618.0	3599.8	3599.8
45°	1990.7	2808.9	3404.3	3431.6	3404.3	3440.7	3454.3	3454.3	3413.4	3404.3	3399.8
47.5°	1931.7	2645.3	3231.6	3231.6	3217.9	3263.4	3286.2	3254.3	3213.5	3199.8	3199.8
50°	1927.2	2463.5	2995.3	2977.1	3040.7	3095.3	3072.5	3040.7	3008.9	2958.9	2958.9
52.5°	1749.9	2240.8	2690.7	2758.9	2858.9	2890.7	2854.3	2822.6	2767.9	2745.3	2727.1
55°	1622.6	2009.0	2413.5	2549.8	2654.3	2695.2	2627.1	2595.2	2513.5	2499.8	2490.8
57.5°	1595.4	1672.6	2159.0	2331.7	2458.9	2454.4	2413.5	2354.4	2286.2	2272.6	2268.0
60°	1463.6	1209.0	1886.2	2090.7	2222.6	2208.9	2172.6	2118.0	2054.4	2045.3	2036.2
62.5°	1327.2	877.2	1577.2	1809.0	1995.3	1990.7	1958.9	1877.1	1831.7	1809.0	1790.8
65°	1127.2	736.3	1122.6	1504.5	1772.6	1781.7	1713.5	1654.4	1604.4	1577.2	1572.6
67.5°	859.1	599.9	759.0	1254.4	1559.0	1549.9	1463.6	1436.3	1372.6	1359.0	1331.7
70°	636.3	399.9	527.2	1018.1	1349.9	1327.2	1259.0	1227.2	1168.1	1136.2	1118.1
72.5°	527.2	322.7	386.3	790.8	1136.2	1109.0	1049.9	1013.6	963.5	936.3	918.1
75°	427.2	340.8	295.5	586.3	922.6	904.4	849.9	813.6	772.7	736.3	740.9
77.5°	313.6	318.2	236.4	431.8	731.7	704.5	672.6	627.3	609.1	572.7	572.7
80°	236.4	250.0	177.3	295.5	527.2	527.2	499.9	468.2	436.4	418.1	418.1
82.5°	159.1	159.1	131.8	186.3	359.1	345.4	327.2	318.2	300.0	290.9	290.9
85°	72.7	90.9	81.8	113.6	195.4	204.5	204.5	195.4	190.9	181.8	186.3
87.5°	22.7	40.9	50.0	63.7	100.0	104.6	109.0	109.0	109.0	113.6	113.6
90°	13.9	25.0	36.2	38.9	61.1	90.8	105.6	93.9	70.5	52.8	52.8
92.5°	55.6	150.1	244.8	268.4	377.4	522.6	595.2	521.6	374.5	264.2	253.7
95°	133.5	306.6	479.6	522.9	928.4	1469.3	1739.7	1552.4	1177.9	897.0	865.1
97.5°	230.8	383.5	536.2	574.3	1250.7	2152.4	2603.3	2484.9	2248.2	2070.7	2010.1
100°	305.9	444.4	582.8	617.5	1367.9	2368.6	2868.9	2877.6	2894.9	2907.9	2835.7
102.5°	369.9	499.1	628.2	660.6	1421.8	2436.6	2944.1	3094.8	3396.5	3622.7	3560.9
105°	478.4	587.8	697.2	724.6	1461.6	2444.3	2935.6	3273.7	3949.9	4457.0	4423.8
107.5°	589.7	691.6	793.6	819.1	1469.0	2335.6	2768.8	3240.4	4183.5	4890.9	4899.0
110°	664.8	756.8	848.9	871.9	1457.8	2239.1	2629.7	3157.0	4211.4	5002.2	5036.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	738.5	826.2	913.9	935.9	1458.3	2154.9	2503.2	3042.8	4121.9	4931.3	4984.5
115°	849.7	930.6	1011.6	1031.8	1471.8	2058.3	2351.6	2871.4	3911.0	4690.7	4764.4
117.5°	959.6	1033.1	1106.7	1125.0	1499.1	1997.9	2247.3	2716.5	3654.7	4358.3	4440.0
120°	1023.5	1092.7	1162.0	1179.3	1521.4	1977.6	2205.6	2634.3	3491.5	4134.5	4213.9
122.5°	1086.1	1155.9	1225.8	1243.2	1553.4	1966.9	2173.6	2559.6	3331.5	3910.5	3988.9
125°	1182.1	1245.7	1309.4	1325.3	1596.5	1958.0	2138.8	2466.7	3122.5	3614.3	3686.4
127.5°	1260.0	1324.3	1388.5	1404.6	1639.6	1952.9	2109.6	2391.1	2954.2	3376.5	3437.4
130°	1301.7	1370.9	1440.1	1457.4	1671.1	1956.1	2098.5	2349.1	2850.4	3226.3	3282.6
132.5°	1344.8	1414.0	1483.3	1500.5	1696.6	1958.0	2088.8	2313.1	2761.9	3098.4	3148.8
135°	1408.8	1471.8	1534.8	1550.6	1724.5	1956.3	2072.1	2260.0	2635.8	2917.6	2961.1
137.5°	1474.1	1536.5	1598.9	1614.5	1766.1	1968.3	2069.3	2228.2	2545.8	2784.1	2819.6
140°	1528.3	1585.8	1643.3	1657.7	1791.6	1970.2	2059.6	2196.7	2471.2	2677.0	2710.2
142.5°	1570.0	1623.2	1676.4	1689.6	1812.9	1977.4	2059.6	2180.1	2421.2	2602.0	2630.5
145°	1634.0	1680.4	1726.8	1738.3	1840.8	1977.4	2045.7	2144.3	2341.4	2489.2	2510.9
147.5°	1698.0	1743.1	1788.2	1799.5	1881.6	1991.0	2045.7	2123.2	2278.4	2394.7	2412.6
150°	1739.7	1780.5	1821.3	1831.5	1902.9	1998.1	2045.7	2111.2	2242.2	2340.4	2354.9
152.5°	1782.8	1813.7	1844.7	1852.4	1916.9	2002.7	2045.7	2101.7	2213.5	2297.4	2308.4
155°	1846.8	1869.7	1892.5	1898.2	1947.4	2012.9	2045.7	2090.2	2179.2	2245.9	2253.1
157.5°	1894.1	1916.3	1938.6	1944.2	1978.0	2023.1	2045.7	2080.3	2149.5	2201.4	2206.5
160°	1926.1	1943.4	1960.7	1965.0	1991.9	2027.8	2045.7	2075.3	2134.7	2179.2	2182.1
162.5°	1958.0	1971.0	1984.0	1987.2	2006.8	2032.7	2045.7	2070.8	2120.8	2158.3	2161.1
165°	1992.8	2004.5	2016.2	2019.2	2028.1	2039.8	2045.7	2063.6	2099.4	2126.3	2129.2
167.5°	2024.8	2030.4	2035.9	2037.3	2044.7	2054.7	2059.6	2071.3	2094.8	2112.4	2113.7
170°	2045.7	2051.2	2056.8	2058.1	2058.6	2059.2	2059.6	2071.3	2094.8	2112.4	2112.4
172.5°	2056.8	2058.1	2059.3	2059.6	2059.6	2059.6	2059.6	2068.9	2087.4	2101.3	2100.2
175°	2072.1	2072.1	2072.1	2072.1	2067.9	2062.4	2059.6	2065.5	2077.2	2086.0	2086.0
177.5°	2072.1	2072.1	2072.1	2072.1	2068.9	2064.5	2062.4	2067.0	2076.2	2083.2	2082.0
180°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4926.9	4913.3	4926.9	4917.9	4922.4	4908.7	4867.8	4854.2	4867.8	4881.5	4881.5
5°	4986.0	4976.9	4986.0	4986.0	4981.5	4972.4	4926.9	4917.9	4926.9	4931.5	4922.4
7.5°	5004.2	4990.6	5004.2	4995.1	4995.1	4986.0	4940.6	4931.5	4936.0	4949.6	4936.0
10°	5004.2	4990.6	5004.2	4999.7	4995.1	4986.0	4940.6	4922.4	4922.4	4936.0	4922.4
12.5°	4981.5	4972.4	4981.5	4972.4	4972.4	4963.3	4917.9	4899.7	4904.2	4908.7	4890.6
15°	4945.1	4931.5	4945.1	4936.0	4940.6	4926.9	4876.9	4858.8	4858.8	4867.8	4836.0
17.5°	4890.6	4872.4	4890.6	4886.0	4881.5	4872.4	4826.9	4808.7	4804.2	4808.7	4786.1
20°	4826.9	4813.3	4826.9	4822.4	4822.4	4804.2	4758.8	4736.0	4736.0	4736.0	4713.3
22.5°	4727.0	4713.3	4727.0	4736.0	4736.0	4731.5	4690.5	4658.8	4649.7	4649.7	4622.4
25°	4613.3	4599.7	4613.3	4613.3	4608.8	4613.3	4599.7	4581.5	4567.9	4554.3	4527.0
27.5°	4504.2	4495.2	4504.2	4495.2	4504.2	4490.6	4486.1	4481.5	4463.3	4449.7	4413.4
30°	4395.2	4386.0	4395.2	4386.0	4377.0	4367.9	4345.1	4336.1	4354.3	4345.1	4286.0
32.5°	4258.8	4249.7	4258.8	4258.8	4249.7	4249.7	4213.3	4199.7	4204.3	4231.5	4177.0
35°	4117.9	4104.3	4117.9	4113.3	4117.9	4104.3	4081.5	4077.0	4058.8	4090.6	4049.7
37.5°	3954.2	3940.6	3954.2	3954.2	3954.2	3963.4	3945.2	3931.6	3904.3	3945.2	3913.4
40°	3786.1	3767.9	3786.1	3781.5	3786.1	3795.2	3786.1	3777.1	3749.7	3781.5	3754.3
42.5°	3595.2	3590.6	3595.2	3599.8	3599.8	3618.0	3631.6	3613.4	3604.3	3581.6	3599.8
45°	3390.6	3381.6	3390.6	3399.8	3404.3	3413.4	3454.3	3454.3	3440.7	3404.3	3431.6
47.5°	3172.5	3149.8	3172.5	3199.8	3199.8	3213.5	3254.3	3286.2	3263.4	3217.9	3231.6
50°	2940.7	2945.2	2940.7	2958.9	2958.9	3008.9	3040.7	3072.5	3095.3	3040.7	2977.1
52.5°	2713.4	2708.9	2713.4	2727.1	2745.3	2767.9	2822.6	2854.3	2890.7	2858.9	2758.9
55°	2486.2	2495.3	2486.2	2490.8	2499.8	2513.5	2595.2	2627.1	2695.2	2654.3	2549.8
57.5°	2259.0	2245.3	2259.0	2268.0	2272.6	2286.2	2354.4	2413.5	2454.4	2458.9	2331.7
60°	1995.3	1977.1	1995.3	2036.2	2045.3	2054.4	2118.0	2172.6	2208.9	2222.6	2090.7
62.5°	1763.5	1731.7	1763.5	1790.8	1809.0	1831.7	1877.1	1958.9	1990.7	1995.3	1809.0
65°	1518.1	1504.5	1518.1	1572.6	1577.2	1604.4	1654.4	1713.5	1781.7	1772.6	1504.5
67.5°	1295.3	1295.3	1295.3	1331.7	1359.0	1372.6	1436.3	1463.6	1549.9	1559.0	1254.4
70°	1090.8	1086.3	1090.8	1118.1	1136.2	1168.1	1227.2	1259.0	1327.2	1349.9	1018.1
72.5°	895.4	890.8	895.4	918.1	936.3	963.5	1013.6	1049.9	1109.0	1136.2	790.8
75°	722.7	713.6	722.7	740.9	736.3	772.7	813.6	849.9	904.4	922.6	586.3
77.5°	554.5	554.5	554.5	572.7	572.7	609.1	627.3	672.6	704.5	731.7	431.8
80°	413.6	409.1	413.6	418.1	418.1	436.4	468.2	499.9	527.2	527.2	295.5
82.5°	290.9	281.8	290.9	290.9	290.9	300.0	318.2	327.2	345.4	359.1	186.3
85°	181.8	181.8	181.8	186.3	181.8	190.9	195.4	204.5	204.5	195.4	113.6
87.5°	118.2	113.6	118.2	113.6	113.6	109.0	109.0	109.0	104.6	100.0	63.7
90°	52.8	52.8	52.8	52.8	52.8	70.5	93.9	105.6	90.8	61.1	38.9
92.5°	211.7	169.7	211.7	253.7	264.2	374.5	521.6	595.2	522.6	377.4	268.4
95°	737.8	610.5	737.8	865.1	897.0	1177.9	1552.4	1739.7	1469.3	928.4	522.9
97.5°	1767.8	1525.5	1767.8	2010.1	2070.7	2248.2	2484.9	2603.3	2152.4	1250.7	574.3
100°	2547.1	2258.4	2547.1	2835.7	2907.9	2894.9	2877.6	2868.9	2368.6	1367.9	617.5
102.5°	3313.6	3066.4	3313.6	3560.9	3622.7	3396.5	3094.8	2944.1	2436.6	1421.8	660.6
105°	4291.0	4158.1	4291.0	4423.8	4457.0	3949.9	3273.7	2935.6	2444.3	1461.6	724.6
107.5°	4931.1	4963.3	4931.1	4899.0	4890.9	4183.5	3240.4	2768.8	2335.6	1469.0	819.1
110°	5175.3	5313.7	5175.3	5036.8	5002.2	4211.4	3157.0	2629.7	2239.1	1457.8	871.9



TEST NUMBER: P935754

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5197.0	5409.7	5197.0	4984.5	4931.3	4121.9	3042.8	2503.2	2154.9	1458.3	935.9
115°	5059.2	5354.1	5059.2	4764.4	4690.7	3911.0	2871.4	2351.6	2058.3	1471.8	1031.8
117.5°	4767.0	5094.0	4767.0	4440.0	4358.3	3654.7	2716.5	2247.3	1997.9	1499.1	1125.0
120°	4531.5	4849.2	4531.5	4213.9	4134.5	3491.5	2634.3	2205.6	1977.6	1521.4	1179.3
122.5°	4302.2	4615.6	4302.2	3988.9	3910.5	3331.5	2559.6	2173.6	1966.9	1553.4	1243.2
125°	3975.1	4263.7	3975.1	3686.4	3614.3	3122.5	2466.7	2138.8	1958.0	1596.5	1325.3
127.5°	3680.9	3924.4	3680.9	3437.4	3376.5	2954.2	2391.1	2109.6	1952.9	1639.6	1404.6
130°	3507.6	3732.6	3507.6	3282.6	3226.3	2850.4	2349.1	2098.5	1956.1	1671.1	1457.4
132.5°	3350.3	3551.7	3350.3	3148.8	3098.4	2761.9	2313.1	2088.8	1958.0	1696.6	1500.5
135°	3134.7	3308.4	3134.7	2961.1	2917.6	2635.8	2260.0	2072.1	1956.3	1724.5	1550.6
137.5°	2961.8	3104.0	2961.8	2819.6	2784.1	2545.8	2228.2	2069.3	1968.3	1766.1	1614.5
140°	2843.2	2976.0	2843.2	2710.2	2677.0	2471.2	2196.7	2059.6	1970.2	1791.6	1657.7
142.5°	2744.8	2859.2	2744.8	2630.5	2602.0	2421.2	2180.1	2059.6	1977.4	1812.9	1689.6
145°	2597.4	2684.0	2597.4	2510.9	2489.2	2341.4	2144.3	2045.7	1977.4	1840.8	1738.3
147.5°	2484.3	2556.0	2484.3	2412.6	2394.7	2278.4	2123.2	2045.7	1991.0	1881.6	1799.5
150°	2413.1	2471.2	2413.1	2354.9	2340.4	2242.2	2111.2	2045.7	1998.1	1902.9	1831.5
152.5°	2352.3	2396.1	2352.3	2308.4	2297.4	2213.5	2101.7	2045.7	2002.7	1916.9	1852.4
155°	2282.2	2311.2	2282.2	2253.1	2245.9	2179.2	2090.2	2045.7	2012.9	1947.4	1898.2
157.5°	2226.9	2247.3	2226.9	2206.5	2201.4	2149.5	2080.3	2045.7	2023.1	1978.0	1944.2
160°	2193.9	2205.6	2193.9	2182.1	2179.2	2134.7	2075.3	2045.7	2027.8	1991.9	1965.0
162.5°	2172.2	2183.3	2172.2	2161.1	2158.3	2120.8	2070.8	2045.7	2032.7	2006.8	1987.2
165°	2141.0	2152.8	2141.0	2129.2	2126.3	2099.4	2063.6	2045.7	2039.8	2028.1	2019.2
167.5°	2118.6	2123.5	2118.6	2113.7	2112.4	2094.8	2071.3	2059.6	2054.7	2044.7	2037.3
170°	2112.4	2112.4	2112.4	2112.4	2112.4	2094.8	2071.3	2059.6	2059.2	2058.6	2058.1
172.5°	2095.8	2091.5	2095.8	2100.2	2101.3	2087.4	2068.9	2059.6	2059.6	2059.6	2059.6
175°	2086.0	2086.0	2086.0	2086.0	2086.0	2077.2	2065.5	2059.6	2062.4	2067.9	2072.1
177.5°	2077.0	2072.1	2077.0	2082.0	2083.2	2076.2	2067.0	2062.4	2064.5	2068.9	2072.1
180°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1



TEST NUMBER: P935754

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4872.4	4845.2	4845.2	4799.7	4781.5	4767.9	4745.2	4676.9	4658.8	4640.6	4667.9
5°	4913.3	4863.3	4826.9	4745.2	4676.9	4649.7	4563.3	4399.7	4290.6	4208.8	4163.4
7.5°	4922.4	4858.8	4790.5	4663.3	4499.7	4427.0	4163.4	3863.4	3781.5	3708.8	3663.3
10°	4913.3	4840.6	4745.2	4554.3	4167.9	4040.6	3777.1	3581.6	3531.6	3517.9	3531.6
12.5°	4881.5	4813.3	4681.5	4363.3	3822.4	3736.1	3581.6	3467.9	3458.9	3481.6	3604.3
15°	4826.9	4763.3	4608.8	4108.8	3631.6	3567.9	3458.9	3417.9	3467.9	3627.0	3995.2
17.5°	4772.4	4699.7	4508.8	3858.8	3486.2	3440.7	3363.4	3445.3	3727.0	3940.6	4063.4
20°	4699.7	4613.3	4395.2	3677.0	3381.6	3340.7	3304.3	3672.5	3886.1	3963.4	4031.5
22.5°	4613.3	4522.4	4240.6	3549.7	3272.5	3240.7	3263.4	3799.7	3886.1	3940.6	3999.7
25°	4499.7	4422.4	4058.8	3449.7	3186.1	3149.8	3236.1	3786.1	3836.1	3849.8	3967.9
27.5°	4395.2	4295.2	3867.9	3358.9	3081.6	3068.0	3258.8	3727.0	3763.4	3777.1	3904.3
30°	4267.9	4117.9	3654.3	3263.4	2972.5	2968.0	3263.4	3654.3	3645.2	3681.5	3808.8
32.5°	4136.1	3854.3	3413.4	3145.2	2868.0	2863.5	3231.6	3545.2	3536.1	3586.1	3681.5
35°	4013.3	3649.7	3086.1	3008.9	2736.2	2740.7	3154.4	3417.9	3422.5	3467.9	3527.0
37.5°	3886.1	3472.5	2727.1	2858.9	2608.9	2608.9	3049.8	3299.8	3290.7	3304.3	3386.2
40°	3736.1	3195.2	2408.9	2663.5	2490.8	2477.1	2922.6	3172.5	3140.7	3136.2	3249.8
42.5°	3577.0	2890.7	2172.6	2404.4	2354.4	2336.2	2767.9	3018.0	2958.9	2972.5	3117.9
45°	3404.3	2808.9	1990.7	2031.6	2213.5	2199.9	2599.8	2840.7	2799.8	2836.2	2986.1
47.5°	3231.6	2645.3	1931.7	1686.2	2063.5	2058.9	2413.5	2668.0	2645.3	2681.6	2840.7
50°	2995.3	2463.5	1927.2	1445.4	1895.3	1913.5	2190.7	2499.8	2499.8	2531.7	2699.8
52.5°	2690.7	2240.8	1749.9	1309.0	1699.8	1754.5	1995.3	2354.4	2363.4	2395.3	2545.3
55°	2413.5	2009.0	1622.6	1204.5	1468.0	1586.2	1804.4	2204.3	2222.6	2254.4	2390.8
57.5°	2159.0	1672.6	1595.4	1081.7	1254.4	1368.1	1636.3	2058.9	2068.1	2095.3	2227.1
60°	1886.2	1209.0	1463.6	949.9	1068.1	1154.5	1481.7	1886.2	1918.0	1936.2	2049.8
62.5°	1577.2	877.2	1327.2	859.1	977.2	995.4	1354.4	1722.6	1763.5	1777.1	1845.3
65°	1122.6	736.3	1127.2	781.8	881.8	886.3	1218.1	1554.4	1590.8	1613.5	1663.5
67.5°	759.0	599.9	859.1	709.0	809.0	813.6	1086.3	1359.0	1409.0	1427.2	1459.0
70°	527.2	399.9	636.3	631.7	727.3	736.3	945.4	1181.7	1227.2	1240.8	1259.0
72.5°	386.3	322.7	527.2	568.2	640.9	650.0	800.0	981.7	1027.2	1040.8	1049.9
75°	295.5	340.8	427.2	495.4	545.4	550.0	654.5	800.0	831.7	840.9	845.4
77.5°	236.4	318.2	313.6	399.9	445.4	436.4	513.6	618.1	645.4	645.4	645.4
80°	177.3	250.0	236.4	286.3	327.2	318.2	368.2	440.9	450.0	459.0	454.5
82.5°	131.8	159.1	159.1	181.8	218.2	209.1	245.4	286.3	286.3	286.3	295.5
85°	81.8	90.9	72.7	95.4	122.7	118.2	136.4	154.5	159.1	159.1	150.0
87.5°	50.0	40.9	22.7	36.3	54.5	54.5	63.7	68.1	63.7	63.7	63.7
90°	36.2	25.0	13.9	25.0	36.2	38.9	61.1	90.8	105.6	93.9	70.5
92.5°	244.8	150.1	55.6	150.1	244.8	268.4	377.4	522.6	595.2	521.6	374.5
95°	479.6	306.6	133.5	306.6	479.6	522.9	928.4	1469.3	1739.7	1552.4	1177.9
97.5°	536.2	383.5	230.8	383.5	536.2	574.3	1250.7	2152.4	2603.3	2484.9	2248.2
100°	582.8	444.4	305.9	444.4	582.8	617.5	1367.9	2368.6	2868.9	2877.6	2894.9
102.5°	628.2	499.1	369.9	499.1	628.2	660.6	1421.8	2436.6	2944.1	3094.8	3396.5
105°	697.2	587.8	478.4	587.8	697.2	724.6	1461.6	2444.3	2935.6	3273.7	3949.9
107.5°	793.6	691.6	589.7	691.6	793.6	819.1	1469.0	2335.6	2768.8	3240.4	4183.5
110°	848.9	756.8	664.8	756.8	848.9	871.9	1457.8	2239.1	2629.7	3157.0	4211.4



TEST NUMBER: P935754

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	913.9	826.2	738.5	826.2	913.9	935.9	1458.3	2154.9	2503.2	3042.8	4121.9
115°	1011.6	930.6	849.7	930.6	1011.6	1031.8	1471.8	2058.3	2351.6	2871.4	3911.0
117.5°	1106.7	1033.1	959.6	1033.1	1106.7	1125.0	1499.1	1997.9	2247.3	2716.5	3654.7
120°	1162.0	1092.7	1023.5	1092.7	1162.0	1179.3	1521.4	1977.6	2205.6	2634.3	3491.5
122.5°	1225.8	1155.9	1086.1	1155.9	1225.8	1243.2	1553.4	1966.9	2173.6	2559.6	3331.5
125°	1309.4	1245.7	1182.1	1245.7	1309.4	1325.3	1596.5	1958.0	2138.8	2466.7	3122.5
127.5°	1388.5	1324.3	1260.0	1324.3	1388.5	1404.6	1639.6	1952.9	2109.6	2391.1	2954.2
130°	1440.1	1370.9	1301.7	1370.9	1440.1	1457.4	1671.1	1956.1	2098.5	2349.1	2850.4
132.5°	1483.3	1414.0	1344.8	1414.0	1483.3	1500.5	1696.6	1958.0	2088.8	2313.1	2761.9
135°	1534.8	1471.8	1408.8	1471.8	1534.8	1550.6	1724.5	1956.3	2072.1	2260.0	2635.8
137.5°	1598.9	1536.5	1474.1	1536.5	1598.9	1614.5	1766.1	1968.3	2069.3	2228.2	2545.8
140°	1643.3	1585.8	1528.3	1585.8	1643.3	1657.7	1791.6	1970.2	2059.6	2196.7	2471.2
142.5°	1676.4	1623.2	1570.0	1623.2	1676.4	1689.6	1812.9	1977.4	2059.6	2180.1	2421.2
145°	1726.8	1680.4	1634.0	1680.4	1726.8	1738.3	1840.8	1977.4	2045.7	2144.3	2341.4
147.5°	1788.2	1743.1	1698.0	1743.1	1788.2	1799.5	1881.6	1991.0	2045.7	2123.2	2278.4
150°	1821.3	1780.5	1739.7	1780.5	1821.3	1831.5	1902.9	1998.1	2045.7	2111.2	2242.2
152.5°	1844.7	1813.7	1782.8	1813.7	1844.7	1852.4	1916.9	2002.7	2045.7	2101.7	2213.5
155°	1892.5	1869.7	1846.8	1869.7	1892.5	1898.2	1947.4	2012.9	2045.7	2090.2	2179.2
157.5°	1938.6	1916.3	1894.1	1916.3	1938.6	1944.2	1978.0	2023.1	2045.7	2080.3	2149.5
160°	1960.7	1943.4	1926.1	1943.4	1960.7	1965.0	1991.9	2027.8	2045.7	2075.3	2134.7
162.5°	1984.0	1971.0	1958.0	1971.0	1984.0	1987.2	2006.8	2032.7	2045.7	2070.8	2120.8
165°	2016.2	2004.5	1992.8	2004.5	2016.2	2019.2	2028.1	2039.8	2045.7	2063.6	2099.4
167.5°	2035.9	2030.4	2024.8	2030.4	2035.9	2037.3	2044.7	2054.7	2059.6	2071.3	2094.8
170°	2056.8	2051.2	2045.7	2051.2	2056.8	2058.1	2058.6	2059.2	2059.6	2071.3	2094.8
172.5°	2059.3	2058.1	2056.8	2058.1	2059.3	2059.6	2059.6	2059.6	2059.6	2068.9	2087.4
175°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2067.9	2062.4	2059.6	2065.5	2077.2
177.5°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2068.9	2064.5	2062.4	2067.0	2076.2
180°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1



TEST NUMBER: P935754

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4636.0	4622.4	4640.6	4590.6	4640.6	4622.4	4636.0	4667.9	4640.6	4658.8	4676.9
5°	4067.9	4045.2	3972.4	3913.4	3972.4	4045.2	4067.9	4163.4	4208.8	4290.6	4399.7
7.5°	3636.1	3618.0	3599.8	3563.4	3599.8	3618.0	3636.1	3663.3	3708.8	3781.5	3863.4
10°	3540.7	3545.2	3572.5	3567.9	3572.5	3545.2	3540.7	3531.6	3517.9	3531.6	3581.6
12.5°	3786.1	3827.0	3977.0	3967.9	3977.0	3827.0	3786.1	3604.3	3481.6	3458.9	3467.9
15°	4067.9	4081.5	4113.3	4117.9	4113.3	4081.5	4067.9	3995.2	3627.0	3467.9	3417.9
17.5°	4095.2	4099.7	4122.5	4122.5	4122.5	4099.7	4095.2	4063.4	3940.6	3727.0	3445.3
20°	4072.4	4081.5	4127.0	4136.1	4127.0	4081.5	4072.4	4031.5	3963.4	3886.1	3672.5
22.5°	4063.4	4081.5	4117.9	4113.3	4117.9	4081.5	4063.4	3999.7	3940.6	3886.1	3799.7
25°	4017.9	4017.9	4022.5	4027.0	4022.5	4017.9	4017.9	3967.9	3849.8	3836.1	3786.1
27.5°	3922.5	3931.6	3958.8	3954.2	3958.8	3931.6	3922.5	3904.3	3777.1	3763.4	3727.0
30°	3836.1	3827.0	3804.3	3786.1	3804.3	3827.0	3836.1	3808.8	3681.5	3645.2	3654.3
32.5°	3690.7	3667.9	3645.2	3631.6	3645.2	3667.9	3690.7	3681.5	3586.1	3536.1	3545.2
35°	3517.9	3522.5	3517.9	3504.3	3517.9	3522.5	3517.9	3527.0	3467.9	3422.5	3417.9
37.5°	3395.2	3404.3	3399.8	3381.6	3399.8	3404.3	3395.2	3386.2	3304.3	3290.7	3299.8
40°	3268.0	3272.5	3268.0	3254.3	3268.0	3272.5	3268.0	3249.8	3136.2	3140.7	3172.5
42.5°	3145.2	3140.7	3127.1	3117.9	3127.1	3140.7	3145.2	3117.9	2972.5	2958.9	3018.0
45°	3004.3	3008.9	2981.6	2968.0	2981.6	3008.9	3004.3	2986.1	2836.2	2799.8	2840.7
47.5°	2863.5	2863.5	2840.7	2827.0	2840.7	2863.5	2863.5	2840.7	2681.6	2645.3	2668.0
50°	2713.4	2708.9	2677.1	2672.5	2677.1	2708.9	2713.4	2699.8	2531.7	2499.8	2499.8
52.5°	2540.7	2540.7	2545.3	2554.3	2545.3	2540.7	2540.7	2545.3	2395.3	2363.4	2354.4
55°	2390.8	2395.3	2427.1	2436.2	2427.1	2395.3	2390.8	2390.8	2254.4	2222.6	2204.3
57.5°	2236.2	2236.2	2259.0	2259.0	2259.0	2236.2	2236.2	2227.1	2095.3	2068.1	2058.9
60°	2058.9	2068.1	2086.3	2081.7	2086.3	2068.1	2058.9	2049.8	1936.2	1918.0	1886.2
62.5°	1872.6	1881.7	1886.2	1877.1	1886.2	1881.7	1872.6	1845.3	1777.1	1763.5	1722.6
65°	1677.2	1686.2	1690.8	1681.7	1690.8	1686.2	1677.2	1663.5	1613.5	1590.8	1554.4
67.5°	1477.2	1472.6	1468.0	1486.2	1468.0	1472.6	1477.2	1459.0	1427.2	1409.0	1359.0
70°	1272.6	1272.6	1268.1	1277.2	1268.1	1272.6	1272.6	1259.0	1240.8	1227.2	1181.7
72.5°	1054.5	1049.9	1068.1	1054.5	1068.1	1049.9	1054.5	1049.9	1040.8	1027.2	981.7
75°	840.9	849.9	840.9	854.5	840.9	849.9	840.9	845.4	840.9	831.7	800.0
77.5°	640.9	650.0	640.9	640.9	640.9	650.0	640.9	645.4	645.4	645.4	618.1
80°	454.5	450.0	450.0	445.4	450.0	450.0	454.5	454.5	459.0	450.0	440.9
82.5°	290.9	286.3	286.3	295.5	286.3	286.3	290.9	295.5	286.3	286.3	286.3
85°	159.1	163.7	154.5	154.5	154.5	163.7	159.1	150.0	159.1	159.1	154.5
87.5°	59.1	54.5	54.5	54.5	54.5	54.5	59.1	63.7	63.7	63.7	68.1
90°	52.8	52.8	52.8	52.8	52.8	52.8	52.8	70.5	93.9	105.6	90.8
92.5°	264.2	253.7	211.7	169.7	211.7	253.7	264.2	374.5	521.6	595.2	522.6
95°	897.0	865.1	737.8	610.5	737.8	865.1	897.0	1177.9	1552.4	1739.7	1469.3
97.5°	2070.7	2010.1	1767.8	1525.5	1767.8	2010.1	2070.7	2248.2	2484.9	2603.3	2152.4
100°	2907.9	2835.7	2547.1	2258.4	2547.1	2835.7	2907.9	2894.9	2877.6	2868.9	2368.6
102.5°	3622.7	3560.9	3313.6	3066.4	3313.6	3560.9	3622.7	3396.5	3094.8	2944.1	2436.6
105°	4457.0	4423.8	4291.0	4158.1	4291.0	4423.8	4457.0	3949.9	3273.7	2935.6	2444.3
107.5°	4890.9	4899.0	4931.1	4963.3	4931.1	4899.0	4890.9	4183.5	3240.4	2768.8	2335.6
110°	5002.2	5036.8	5175.3	5313.7	5175.3	5036.8	5002.2	4211.4	3157.0	2629.7	2239.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4931.3	4984.5	5197.0	5409.7	5197.0	4984.5	4931.3	4121.9	3042.8	2503.2	2154.9
115°	4690.7	4764.4	5059.2	5354.1	5059.2	4764.4	4690.7	3911.0	2871.4	2351.6	2058.3
117.5°	4358.3	4440.0	4767.0	5094.0	4767.0	4440.0	4358.3	3654.7	2716.5	2247.3	1997.9
120°	4134.5	4213.9	4531.5	4849.2	4531.5	4213.9	4134.5	3491.5	2634.3	2205.6	1977.6
122.5°	3910.5	3988.9	4302.2	4615.6	4302.2	3988.9	3910.5	3331.5	2559.6	2173.6	1966.9
125°	3614.3	3686.4	3975.1	4263.7	3975.1	3686.4	3614.3	3122.5	2466.7	2138.8	1958.0
127.5°	3376.5	3437.4	3680.9	3924.4	3680.9	3437.4	3376.5	2954.2	2391.1	2109.6	1952.9
130°	3226.3	3282.6	3507.6	3732.6	3507.6	3282.6	3226.3	2850.4	2349.1	2098.5	1956.1
132.5°	3098.4	3148.8	3350.3	3551.7	3350.3	3148.8	3098.4	2761.9	2313.1	2088.8	1958.0
135°	2917.6	2961.1	3134.7	3308.4	3134.7	2961.1	2917.6	2635.8	2260.0	2072.1	1956.3
137.5°	2784.1	2819.6	2961.8	3104.0	2961.8	2819.6	2784.1	2545.8	2228.2	2069.3	1968.3
140°	2677.0	2710.2	2843.2	2976.0	2843.2	2710.2	2677.0	2471.2	2196.7	2059.6	1970.2
142.5°	2602.0	2630.5	2744.8	2859.2	2744.8	2630.5	2602.0	2421.2	2180.1	2059.6	1977.4
145°	2489.2	2510.9	2597.4	2684.0	2597.4	2510.9	2489.2	2341.4	2144.3	2045.7	1977.4
147.5°	2394.7	2412.6	2484.3	2556.0	2484.3	2412.6	2394.7	2278.4	2123.2	2045.7	1991.0
150°	2340.4	2354.9	2413.1	2471.2	2413.1	2354.9	2340.4	2242.2	2111.2	2045.7	1998.1
152.5°	2297.4	2308.4	2352.3	2396.1	2352.3	2308.4	2297.4	2213.5	2101.7	2045.7	2002.7
155°	2245.9	2253.1	2282.2	2311.2	2282.2	2253.1	2245.9	2179.2	2090.2	2045.7	2012.9
157.5°	2201.4	2206.5	2226.9	2247.3	2226.9	2206.5	2201.4	2149.5	2080.3	2045.7	2023.1
160°	2179.2	2182.1	2193.9	2205.6	2193.9	2182.1	2179.2	2134.7	2075.3	2045.7	2027.8
162.5°	2158.3	2161.1	2172.2	2183.3	2172.2	2161.1	2158.3	2120.8	2070.8	2045.7	2032.7
165°	2126.3	2129.2	2141.0	2152.8	2141.0	2129.2	2126.3	2099.4	2063.6	2045.7	2039.8
167.5°	2112.4	2113.7	2118.6	2123.5	2118.6	2113.7	2112.4	2094.8	2071.3	2059.6	2054.7
170°	2112.4	2112.4	2112.4	2112.4	2112.4	2112.4	2112.4	2094.8	2071.3	2059.6	2059.2
172.5°	2101.3	2100.2	2095.8	2091.5	2095.8	2100.2	2101.3	2087.4	2068.9	2059.6	2059.6
175°	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2077.2	2065.5	2059.6	2062.4
177.5°	2083.2	2082.0	2077.0	2072.1	2077.0	2082.0	2083.2	2076.2	2067.0	2062.4	2064.5
180°	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1	2072.1



TEST NUMBER: P935754

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4745.2	4767.9	4781.5	4799.7	4845.2
5°	4563.3	4649.7	4676.9	4745.2	4826.9
7.5°	4163.4	4427.0	4499.7	4663.3	4790.5
10°	3777.1	4040.6	4167.9	4554.3	4745.2
12.5°	3581.6	3736.1	3822.4	4363.3	4681.5
15°	3458.9	3567.9	3631.6	4108.8	4608.8
17.5°	3363.4	3440.7	3486.2	3858.8	4508.8
20°	3304.3	3340.7	3381.6	3677.0	4395.2
22.5°	3263.4	3240.7	3272.5	3549.7	4240.6
25°	3236.1	3149.8	3186.1	3449.7	4058.8
27.5°	3258.8	3068.0	3081.6	3358.9	3867.9
30°	3263.4	2968.0	2972.5	3263.4	3654.3
32.5°	3231.6	2863.5	2868.0	3145.2	3413.4
35°	3154.4	2740.7	2736.2	3008.9	3086.1
37.5°	3049.8	2608.9	2608.9	2858.9	2727.1
40°	2922.6	2477.1	2490.8	2663.5	2408.9
42.5°	2767.9	2336.2	2354.4	2404.4	2172.6
45°	2599.8	2199.9	2213.5	2031.6	1990.7
47.5°	2413.5	2058.9	2063.5	1686.2	1931.7
50°	2190.7	1913.5	1895.3	1445.4	1927.2
52.5°	1995.3	1754.5	1699.8	1309.0	1749.9
55°	1804.4	1586.2	1468.0	1204.5	1622.6
57.5°	1636.3	1368.1	1254.4	1081.7	1595.4
60°	1481.7	1154.5	1068.1	949.9	1463.6
62.5°	1354.4	995.4	977.2	859.1	1327.2
65°	1218.1	886.3	881.8	781.8	1127.2
67.5°	1086.3	813.6	809.0	709.0	859.1
70°	945.4	736.3	727.3	631.7	636.3
72.5°	800.0	650.0	640.9	568.2	527.2
75°	654.5	550.0	545.4	495.4	427.2
77.5°	513.6	436.4	445.4	399.9	313.6
80°	368.2	318.2	327.2	286.3	236.4
82.5°	245.4	209.1	218.2	181.8	159.1
85°	136.4	118.2	122.7	95.4	72.7
87.5°	63.7	54.5	54.5	36.3	22.7
90°	61.1	38.9	36.2	25.0	13.9
92.5°	377.4	268.4	244.8	150.1	55.6
95°	928.4	522.9	479.6	306.6	133.5
97.5°	1250.7	574.3	536.2	383.5	230.8
100°	1367.9	617.5	582.8	444.4	305.9
102.5°	1421.8	660.6	628.2	499.1	369.9
105°	1461.6	724.6	697.2	587.8	478.4
107.5°	1469.0	819.1	793.6	691.6	589.7
110°	1457.8	871.9	848.9	756.8	664.8



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CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1458.3	935.9	913.9	826.2	738.5
115°	1471.8	1031.8	1011.6	930.6	849.7
117.5°	1499.1	1125.0	1106.7	1033.1	959.6
120°	1521.4	1179.3	1162.0	1092.7	1023.5
122.5°	1553.4	1243.2	1225.8	1155.9	1086.1
125°	1596.5	1325.3	1309.4	1245.7	1182.1
127.5°	1639.6	1404.6	1388.5	1324.3	1260.0
130°	1671.1	1457.4	1440.1	1370.9	1301.7
132.5°	1696.6	1500.5	1483.3	1414.0	1344.8
135°	1724.5	1550.6	1534.8	1471.8	1408.8
137.5°	1766.1	1614.5	1598.9	1536.5	1474.1
140°	1791.6	1657.7	1643.3	1585.8	1528.3
142.5°	1812.9	1689.6	1676.4	1623.2	1570.0
145°	1840.8	1738.3	1726.8	1680.4	1634.0
147.5°	1881.6	1799.5	1788.2	1743.1	1698.0
150°	1902.9	1831.5	1821.3	1780.5	1739.7
152.5°	1916.9	1852.4	1844.7	1813.7	1782.8
155°	1947.4	1898.2	1892.5	1869.7	1846.8
157.5°	1978.0	1944.2	1938.6	1916.3	1894.1
160°	1991.9	1965.0	1960.7	1943.4	1926.1
162.5°	2006.8	1987.2	1984.0	1971.0	1958.0
165°	2028.1	2019.2	2016.2	2004.5	1992.8
167.5°	2044.7	2037.3	2035.9	2030.4	2024.8
170°	2058.6	2058.1	2056.8	2051.2	2045.7
172.5°	2059.6	2059.6	2059.3	2058.1	2056.8
175°	2067.9	2072.1	2072.1	2072.1	2072.1
177.5°	2068.9	2072.1	2072.1	2072.1	2072.1
180°	2072.1	2072.1	2072.1	2072.1	2072.1



TEST NUMBER: P935754
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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	14.01	14.86	14.99	15.84	17.14	16.86	17.71	17.84	18.70	19.99
	3H	14.49	15.25	15.47	16.24	17.56	18.21	18.97	19.20	19.97	21.29
	4H	14.68	15.39	15.68	16.39	17.72	18.66	19.38	19.66	20.38	21.71
	6H	14.80	15.46	15.80	16.46	17.80	18.95	19.61	19.96	20.62	21.96
	8H	14.80	15.43	15.81	16.45	17.78	19.03	19.66	20.04	20.68	22.01
	12H	14.77	15.36	15.79	16.38	17.74	19.07	19.67	20.09	20.68	22.04
4H	2H	15.05	15.76	16.05	16.76	18.09	17.27	17.99	18.27	18.99	20.31
	3H	16.07	16.67	17.09	17.70	19.04	18.78	19.38	19.79	20.41	21.75
	4H	16.35	16.90	17.37	17.92	19.28	19.31	19.86	20.33	20.88	22.24
	6H	16.47	16.94	17.50	17.99	19.35	19.68	20.15	20.71	21.20	22.56
	8H	16.48	16.92	17.51	17.95	19.33	19.79	20.23	20.82	21.27	22.64
	12H	16.44	16.84	17.50	17.89	19.27	19.85	20.25	20.90	21.30	22.68
8H	4H	16.80	17.24	17.84	18.28	19.66	19.44	19.87	20.47	20.91	22.29
	6H	17.07	17.43	18.12	18.51	19.88	19.88	20.24	20.93	21.32	22.69
	8H	17.11	17.43	18.17	18.49	19.88	20.03	20.35	21.10	21.41	22.81
	12H	17.09	17.37	18.16	18.43	19.86	20.13	20.41	21.20	21.47	22.91
12H	4H	16.81	17.21	17.86	18.26	19.64	19.40	19.79	20.45	20.85	22.23
	6H	17.13	17.45	18.19	18.51	19.90	19.87	20.19	20.94	21.26	22.65
	8H	17.19	17.47	18.26	18.53	19.97	20.04	20.32	21.11	21.38	22.81