

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: P936166

Luminaire Tested: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936166
REPORT IS A COMBINATION OF REPORTS P933784 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

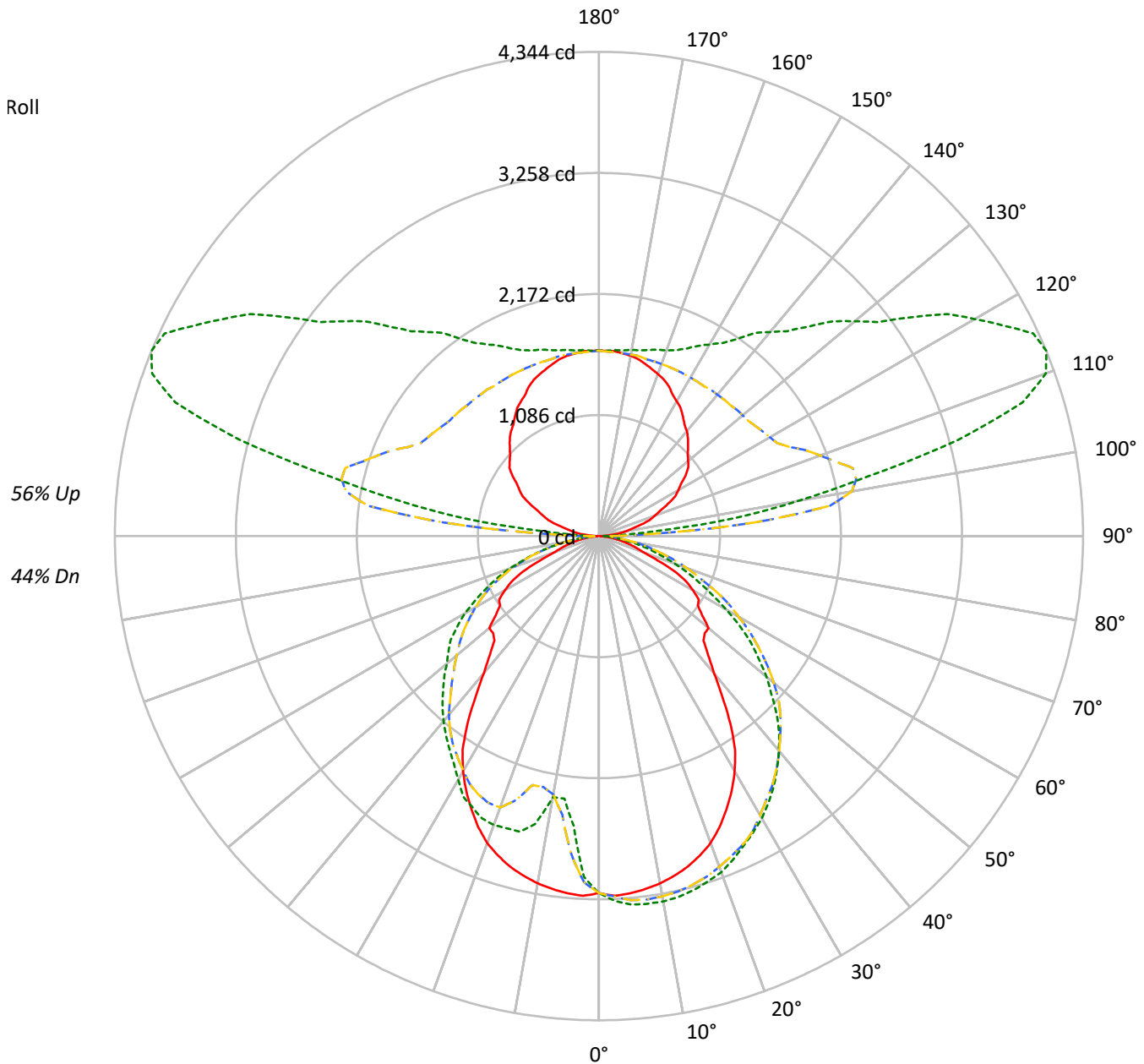
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19097.9 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: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 166.4
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



— 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	50	30	10	0		
RCR																										
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44	44	44	44	44	44	44		
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37	37	37	37	37	37	37		
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31	31	31	31	31	31	31		
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26	26	26	26	26	26	26		
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22	22	22	22	22	22	22		
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19	19	19	19	19	19	19		
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17	17	17	17	17	17	17		
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15	15	15	15	15	15	15		
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13	13	13	13	13	13	13		
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12	12	12	12	12	12	12		
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11	11	11	11	11	11	11		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14859	14859	14859	14859
5°	14970	15000	14970	11794
10°	14870	14775	14870	10564
15°	14708	14455	14708	12071
20°	14401	14076	14401	12096
25°	13771	13523	13771	11839
30°	12958	13064	12958	11277
35°	11551	12483	11551	10658
40°	9625	11799	9625	10191
45°	8600	10999	8600	9653
50°	9137	10044	9137	9115
55°	8596	9016	8596	8802
60°	8861	7657	8861	8062
65°	8034	6330	8034	7076
70°	5563	5044	5563	5931
75°	4878	3729	4878	4465
80°	3932	2465	3932	2685
85°	2254	1306	2254	1111

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13181 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.1	1.5
10°-20°	820.8	4.3
20°-30°	1268.9	6.6
30°-40°	1514.7	7.9
40°-50°	1523.6	8.0
50°-60°	1325.7	6.9
60°-70°	940.0	4.9
70°-80°	497.3	2.6
80°-90°	130.2	0.7
90°-100°	811.2	4.2
100°-110°	2132.6	11.2
110°-120°	2211.2	11.6
120°-130°	1773.7	9.3
130°-140°	1391.7	7.3
140°-150°	1068.2	5.6
150°-160°	769.3	4.0
160°-170°	470.7	2.5
170°-180°	159.0	0.8
0°-30°	2378.8	12.5
0°-40°	3893.5	20.4
0°-60°	6742.9	35.3
0°-90°	8310.4	43.5
90°-120°	5155.0	27.0
90°-150°	9388.5	49.2
90°-180°	10788.0	56.5
0°-180°	19097.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3203	3203	3203	3203	3203	
5°	3218	3318	3218	2609	3218	305
15°	3072	3288	3072	2745	3072	864
25°	2706	3066	2706	2685	2706	1242
35°	2057	2736	2057	2336	2057	1273
45°	1327	2254	1327	1978	1327	1063
55°	1082	1664	1082	1624	1082	994
65°	751	1003	751	1121	751	718
75°	285	476	285	570	285	299
85°	48	121	48	103	48	65
90°	11	42	11	42	11	11
95°	107	490	107	490	107	119
105°	384	3339	384	3339	384	407
115°	682	4300	682	4300	682	674
125°	949	3424	949	3424	949	843
135°	1131	2657	1131	2657	1131	875
145°	1312	2156	1312	2156	1312	822
155°	1483	1856	1483	1856	1483	681
165°	1600	1729	1600	1729	1600	452
175°	1664	1675	1664	1675	1664	158
180°	1664	1664	1664	1664	1664	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3229.9	3229.9	3248.1	3254.2	3254.2	3245.1	3236.0	3245.1	3272.4	3281.5	3278.5
5°	3217.8	3242.1	3275.4	3281.5	3287.5	3284.5	3278.5	3284.5	3314.8	3320.9	3323.9
7.5°	3193.6	3239.1	3281.5	3290.5	3299.7	3290.5	3287.5	3293.6	3323.9	3329.9	3329.9
10°	3163.3	3227.0	3275.4	3281.5	3290.5	3281.5	3281.5	3293.6	3323.9	3329.9	3333.0
12.5°	3120.9	3208.7	3254.2	3260.3	3272.4	3269.3	3266.4	3278.5	3308.7	3314.8	3314.8
15°	3072.4	3175.4	3217.8	3223.9	3245.1	3239.1	3239.1	3251.1	3284.5	3293.6	3290.5
17.5°	3005.7	3133.0	3181.5	3190.5	3205.8	3202.7	3205.8	3217.8	3248.1	3254.2	3257.2
20°	2930.0	3075.4	3133.0	3142.1	3157.2	3157.2	3157.2	3172.4	3202.7	3214.8	3214.8
22.5°	2826.9	3014.9	3075.4	3081.5	3099.7	3099.7	3105.7	3127.0	3154.2	3157.2	3157.2
25°	2705.8	2948.2	2999.7	3017.8	3036.0	3045.1	3054.3	3066.4	3075.4	3072.4	3075.4
27.5°	2578.5	2863.3	2930.0	2942.1	2966.3	2975.5	2987.6	2990.6	2993.7	3002.7	2996.6
30°	2436.1	2745.2	2845.1	2857.3	2896.7	2902.7	2890.6	2896.7	2911.8	2917.9	2923.9
32.5°	2275.5	2569.5	2757.3	2784.6	2820.9	2802.8	2799.7	2808.8	2833.0	2833.0	2839.1
35°	2057.3	2433.1	2675.5	2699.7	2726.9	2705.8	2717.9	2720.9	2736.1	2745.2	2742.2
37.5°	1818.0	2314.9	2590.7	2608.8	2630.1	2602.8	2620.9	2630.1	2642.2	2636.1	2636.1
40°	1605.9	2130.0	2490.7	2502.8	2520.9	2499.7	2517.9	2524.0	2530.1	2524.0	2520.9
42.5°	1448.3	1927.1	2384.6	2399.7	2387.6	2402.7	2408.8	2420.9	2411.9	2399.7	2399.7
45°	1327.1	1872.5	2269.4	2287.6	2269.4	2293.7	2302.8	2302.8	2275.5	2269.4	2266.4
47.5°	1287.7	1763.4	2154.3	2154.3	2145.3	2175.5	2190.6	2169.4	2142.2	2133.1	2133.1
50°	1284.7	1642.3	1996.7	1984.6	2027.1	2063.4	2048.3	2027.1	2005.9	1972.6	1972.6
52.5°	1166.5	1493.7	1793.8	1839.2	1905.9	1927.1	1902.8	1881.6	1845.2	1830.1	1818.0
55°	1081.7	1339.3	1609.0	1699.8	1769.5	1796.8	1751.3	1730.1	1675.6	1666.5	1660.4
57.5°	1063.5	1115.0	1439.2	1554.4	1639.2	1636.2	1609.0	1569.6	1524.1	1515.0	1512.0
60°	975.6	806.0	1257.5	1393.8	1481.7	1472.6	1448.3	1412.0	1369.6	1363.5	1357.5
62.5°	884.7	584.8	1051.4	1205.9	1330.2	1327.1	1305.9	1251.4	1221.1	1205.9	1193.8
65°	751.4	490.9	748.4	1002.9	1181.7	1187.7	1142.3	1102.9	1069.5	1051.4	1048.4
67.5°	572.6	399.9	506.0	836.3	1039.3	1033.2	975.6	957.4	915.1	906.0	887.8
70°	424.2	266.6	351.5	678.7	899.9	884.7	839.3	818.1	778.7	757.5	745.3
72.5°	351.5	215.1	257.6	527.2	757.5	739.3	700.0	675.7	642.4	624.2	612.0
75°	284.8	227.2	197.0	390.9	615.1	603.0	566.6	542.4	515.1	490.9	493.9
77.5°	209.1	212.1	157.6	287.8	487.9	469.7	448.5	418.1	406.0	381.8	381.8
80°	157.6	166.6	118.2	197.0	351.5	351.5	333.3	312.1	290.9	278.8	278.8
82.5°	106.0	106.0	87.8	124.3	239.4	230.3	218.2	212.1	200.0	193.9	193.9
85°	48.4	60.6	54.5	75.7	130.3	136.4	136.4	130.3	127.2	121.2	124.3
87.5°	15.1	27.3	33.3	42.4	66.7	69.7	72.7	72.7	72.7	75.7	75.7
90°	11.2	20.1	29.0	31.2	49.2	73.0	84.9	75.5	56.6	42.4	42.4
92.5°	44.7	120.6	196.6	215.6	303.1	419.7	478.0	418.9	300.8	212.2	203.8
95°	107.3	246.2	385.2	419.9	745.6	1179.9	1397.1	1246.7	946.0	720.4	694.8
97.5°	185.4	308.0	430.6	461.3	1004.5	1728.7	2090.7	1995.7	1805.6	1663.0	1614.3
100°	245.7	356.9	468.1	495.9	1098.6	1902.2	2304.0	2311.0	2324.9	2335.2	2277.3
102.5°	297.1	400.8	504.5	530.5	1141.8	1956.8	2364.3	2485.5	2727.7	2909.3	2859.7
105°	384.2	472.0	559.9	581.9	1173.8	1963.0	2357.6	2629.2	3172.2	3579.5	3552.8
107.5°	473.5	555.5	637.3	657.8	1179.8	1875.7	2223.6	2602.3	3359.8	3927.9	3934.4
110°	533.9	607.8	681.8	700.2	1170.8	1798.2	2112.0	2535.3	3382.1	4017.3	4045.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	593.1	663.5	734.0	751.6	1171.2	1730.5	2010.2	2443.6	3310.2	3960.2	4002.9
115°	682.4	747.4	812.4	828.7	1182.0	1653.0	1888.6	2306.0	3140.8	3767.0	3826.2
117.5°	770.6	829.7	888.8	903.5	1203.9	1604.5	1804.8	2181.5	2935.0	3500.1	3565.8
120°	822.0	877.6	933.2	947.1	1221.8	1588.1	1771.3	2115.5	2804.0	3320.4	3384.1
122.5°	872.2	928.3	984.4	998.5	1247.5	1579.6	1745.6	2055.5	2675.6	3140.5	3203.4
125°	949.3	1000.4	1051.5	1064.3	1282.1	1572.4	1717.7	1981.0	2507.6	2902.6	2960.5
127.5°	1011.9	1063.5	1115.1	1128.0	1316.7	1568.4	1694.2	1920.3	2372.5	2711.6	2760.5
130°	1045.4	1101.0	1156.6	1170.4	1342.1	1570.8	1685.2	1886.5	2289.1	2591.0	2636.2
132.5°	1080.0	1135.6	1191.2	1205.1	1362.6	1572.5	1677.5	1857.6	2218.0	2488.3	2528.7
135°	1131.3	1182.0	1232.7	1245.3	1384.9	1571.0	1664.0	1815.0	2116.8	2343.1	2377.9
137.5°	1183.9	1234.0	1284.1	1296.6	1418.4	1580.7	1661.9	1789.5	2044.5	2235.9	2264.4
140°	1227.4	1273.6	1319.7	1331.2	1438.9	1582.3	1654.0	1764.2	1984.6	2149.9	2176.6
142.5°	1260.9	1303.6	1346.3	1356.9	1456.0	1588.0	1654.0	1750.8	1944.3	2089.6	2112.5
145°	1312.3	1349.5	1386.7	1396.1	1478.3	1588.0	1642.8	1722.0	1880.3	1999.1	2016.5
147.5°	1363.6	1399.9	1436.2	1445.2	1511.1	1598.9	1642.8	1705.1	1829.7	1923.1	1937.5
150°	1397.1	1429.9	1462.7	1470.8	1528.1	1604.6	1642.8	1695.5	1800.7	1879.6	1891.3
152.5°	1431.8	1456.6	1481.5	1487.7	1539.4	1608.3	1642.8	1687.8	1777.6	1845.0	1853.7
155°	1483.2	1501.5	1519.9	1524.4	1563.9	1616.5	1642.8	1678.5	1750.1	1803.7	1809.5
157.5°	1521.1	1539.0	1556.9	1561.3	1588.5	1624.7	1642.8	1670.7	1726.3	1768.0	1772.1
160°	1546.8	1560.7	1574.6	1578.1	1599.7	1628.4	1642.8	1666.6	1714.3	1750.1	1752.4
162.5°	1572.5	1582.9	1593.4	1596.0	1611.6	1632.4	1642.8	1663.0	1703.2	1733.3	1735.6
165°	1600.4	1609.8	1619.3	1621.6	1628.7	1638.1	1642.8	1657.2	1686.1	1707.6	1710.0
167.5°	1626.1	1630.5	1635.0	1636.2	1642.1	1650.1	1654.0	1663.4	1682.3	1696.4	1697.4
170°	1642.8	1647.3	1651.8	1652.9	1653.3	1653.7	1654.0	1663.4	1682.3	1696.4	1696.4
172.5°	1651.8	1652.7	1653.7	1654.0	1654.0	1654.0	1654.0	1661.4	1676.3	1687.5	1686.6
175°	1664.0	1664.0	1664.0	1664.0	1660.7	1656.2	1654.0	1658.7	1668.1	1675.2	1675.2
177.5°	1664.0	1664.0	1664.0	1664.0	1661.4	1657.9	1656.2	1660.0	1667.4	1673.0	1672.0
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3284.5	3275.4	3284.5	3278.5	3281.5	3272.4	3245.1	3236.0	3245.1	3254.2	3254.2
5°	3323.9	3317.8	3323.9	3323.9	3320.9	3314.8	3284.5	3278.5	3284.5	3287.5	3281.5
7.5°	3336.0	3326.9	3336.0	3329.9	3329.9	3323.9	3293.6	3287.5	3290.5	3299.7	3290.5
10°	3336.0	3326.9	3336.0	3333.0	3329.9	3323.9	3293.6	3281.5	3281.5	3290.5	3281.5
12.5°	3320.9	3314.8	3320.9	3314.8	3314.8	3308.7	3278.5	3266.4	3269.3	3272.4	3260.3
15°	3296.6	3287.5	3296.6	3290.5	3293.6	3284.5	3251.1	3239.1	3239.1	3245.1	3223.9
17.5°	3260.3	3248.1	3260.3	3257.2	3254.2	3248.1	3217.8	3205.8	3202.7	3205.8	3190.5
20°	3217.8	3208.7	3217.8	3214.8	3214.8	3202.7	3172.4	3157.2	3157.2	3157.2	3142.1
22.5°	3151.1	3142.1	3151.1	3157.2	3157.2	3154.2	3127.0	3105.7	3099.7	3099.7	3081.5
25°	3075.4	3066.4	3075.4	3075.4	3072.4	3075.4	3066.4	3054.3	3045.1	3036.0	3017.8
27.5°	3002.7	2996.6	3002.7	2996.6	3002.7	2993.7	2990.6	2987.6	2975.5	2966.3	2942.1
30°	2930.0	2923.9	2930.0	2923.9	2917.9	2911.8	2896.7	2890.6	2902.7	2896.7	2857.3
32.5°	2839.1	2833.0	2839.1	2839.1	2833.0	2833.0	2808.8	2799.7	2802.8	2820.9	2784.6
35°	2745.2	2736.1	2745.2	2742.2	2745.2	2736.1	2720.9	2717.9	2705.8	2726.9	2699.7
37.5°	2636.1	2627.0	2636.1	2636.1	2636.1	2642.2	2630.1	2620.9	2602.8	2630.1	2608.8
40°	2524.0	2511.9	2524.0	2520.9	2524.0	2530.1	2524.0	2517.9	2499.7	2520.9	2502.8
42.5°	2396.8	2393.7	2396.8	2399.7	2399.7	2411.9	2420.9	2408.8	2402.7	2387.6	2399.7
45°	2260.4	2254.3	2260.4	2266.4	2269.4	2275.5	2302.8	2302.8	2293.7	2269.4	2287.6
47.5°	2114.9	2099.8	2114.9	2133.1	2133.1	2142.2	2169.4	2190.6	2175.5	2145.3	2154.3
50°	1960.4	1963.4	1960.4	1972.6	1972.6	2005.9	2027.1	2048.3	2063.4	2027.1	1984.6
52.5°	1808.9	1805.8	1808.9	1818.0	1830.1	1845.2	1881.6	1902.8	1927.1	1905.9	1839.2
55°	1657.4	1663.5	1657.4	1660.4	1666.5	1675.6	1730.1	1751.3	1796.8	1769.5	1699.8
57.5°	1505.9	1496.8	1505.9	1512.0	1515.0	1524.1	1569.6	1609.0	1636.2	1639.2	1554.4
60°	1330.2	1318.1	1330.2	1357.5	1363.5	1369.6	1412.0	1448.3	1472.6	1481.7	1393.8
62.5°	1175.6	1154.4	1175.6	1193.8	1205.9	1221.1	1251.4	1305.9	1327.1	1330.2	1205.9
65°	1012.0	1002.9	1012.0	1048.4	1051.4	1069.5	1102.9	1142.3	1187.7	1181.7	1002.9
67.5°	863.5	863.5	863.5	887.8	906.0	915.1	957.4	975.6	1033.2	1039.3	836.3
70°	727.2	724.1	727.2	745.3	757.5	778.7	818.1	839.3	884.7	899.9	678.7
72.5°	596.9	593.9	596.9	612.0	624.2	642.4	675.7	700.0	739.3	757.5	527.2
75°	481.8	475.7	481.8	493.9	490.9	515.1	542.4	566.6	603.0	615.1	390.9
77.5°	369.7	369.7	369.7	381.8	381.8	406.0	418.1	448.5	469.7	487.9	287.8
80°	275.8	272.7	275.8	278.8	278.8	290.9	312.1	333.3	351.5	351.5	197.0
82.5°	193.9	187.8	193.9	193.9	193.9	200.0	212.1	218.2	230.3	239.4	124.3
85°	121.2	121.2	121.2	124.3	121.2	127.2	130.3	136.4	136.4	130.3	75.7
87.5°	78.8	75.7	78.8	75.7	75.7	72.7	72.7	72.7	69.7	66.7	42.4
90°	42.4	42.4	42.4	42.4	42.4	56.6	75.5	84.9	73.0	49.2	31.2
92.5°	170.0	136.3	170.0	203.8	212.2	300.8	418.9	478.0	419.7	303.1	215.6
95°	592.5	490.3	592.5	694.8	720.4	946.0	1246.7	1397.1	1179.9	745.6	419.9
97.5°	1419.7	1225.1	1419.7	1614.3	1663.0	1805.6	1995.7	2090.7	1728.7	1004.5	461.3
100°	2045.5	1813.7	2045.5	2277.3	2335.2	2324.9	2311.0	2304.0	1902.2	1098.6	495.9
102.5°	2661.1	2462.6	2661.1	2859.7	2909.3	2727.7	2485.5	2364.3	1956.8	1141.8	530.5
105°	3446.1	3339.3	3446.1	3552.8	3579.5	3172.2	2629.2	2357.6	1963.0	1173.8	581.9
107.5°	3960.1	3985.9	3960.1	3934.4	3927.9	3359.8	2602.3	2223.6	1875.7	1179.8	657.8
110°	4156.2	4267.4	4156.2	4045.0	4017.3	3382.1	2535.3	2112.0	1798.2	1170.8	700.2



TEST NUMBER: P936166

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4173.7	4344.4	4173.7	4002.9	3960.2	3310.2	2443.6	2010.2	1730.5	1171.2	751.6
115°	4063.0	4299.7	4063.0	3826.2	3767.0	3140.8	2306.0	1888.6	1653.0	1182.0	828.7
117.5°	3828.4	4090.9	3828.4	3565.8	3500.1	2935.0	2181.5	1804.8	1604.5	1203.9	903.5
120°	3639.3	3894.3	3639.3	3384.1	3320.4	2804.0	2115.5	1771.3	1588.1	1221.8	947.1
122.5°	3455.1	3706.8	3455.1	3203.4	3140.5	2675.6	2055.5	1745.6	1579.6	1247.5	998.5
125°	3192.4	3424.2	3192.4	2960.5	2902.6	2507.6	1981.0	1717.7	1572.4	1282.1	1064.3
127.5°	2956.1	3151.7	2956.1	2760.5	2711.6	2372.5	1920.3	1694.2	1568.4	1316.7	1128.0
130°	2816.9	2997.6	2816.9	2636.2	2591.0	2289.1	1886.5	1685.2	1570.8	1342.1	1170.4
132.5°	2690.5	2852.4	2690.5	2528.7	2488.3	2218.0	1857.6	1677.5	1572.5	1362.6	1205.1
135°	2517.4	2656.9	2517.4	2377.9	2343.1	2116.8	1815.0	1664.0	1571.0	1384.9	1245.3
137.5°	2378.6	2492.7	2378.6	2264.4	2235.9	2044.5	1789.5	1661.9	1580.7	1418.4	1296.6
140°	2283.3	2390.0	2283.3	2176.6	2149.9	1984.6	1764.2	1654.0	1582.3	1438.9	1331.2
142.5°	2204.3	2296.2	2204.3	2112.5	2089.6	1944.3	1750.8	1654.0	1588.0	1456.0	1356.9
145°	2086.0	2155.5	2086.0	2016.5	1999.1	1880.3	1722.0	1642.8	1588.0	1478.3	1396.1
147.5°	1995.1	2052.7	1995.1	1937.5	1923.1	1829.7	1705.1	1642.8	1598.9	1511.1	1445.2
150°	1938.0	1984.6	1938.0	1891.3	1879.6	1800.7	1695.5	1642.8	1604.6	1528.1	1470.8
152.5°	1889.0	1924.3	1889.0	1853.7	1845.0	1777.6	1687.8	1642.8	1608.3	1539.4	1487.7
155°	1832.9	1856.2	1832.9	1809.5	1803.7	1750.1	1678.5	1642.8	1616.5	1563.9	1524.4
157.5°	1788.4	1804.8	1788.4	1772.1	1768.0	1726.3	1670.7	1642.8	1624.7	1588.5	1561.3
160°	1761.9	1771.3	1761.9	1752.4	1750.1	1714.3	1666.6	1642.8	1628.4	1599.7	1578.1
162.5°	1744.4	1753.4	1744.4	1735.6	1733.3	1703.2	1663.0	1642.8	1632.4	1611.6	1596.0
165°	1719.4	1728.8	1719.4	1710.0	1707.6	1686.1	1657.2	1642.8	1638.1	1628.7	1621.6
167.5°	1701.5	1705.4	1701.5	1697.4	1696.4	1682.3	1663.4	1654.0	1650.1	1642.1	1636.2
170°	1696.4	1696.4	1696.4	1696.4	1696.4	1682.3	1663.4	1654.0	1653.7	1653.3	1652.9
172.5°	1683.2	1679.7	1683.2	1686.6	1687.5	1676.3	1661.4	1654.0	1654.0	1654.0	1654.0
175°	1675.2	1675.2	1675.2	1675.2	1675.2	1668.1	1658.7	1654.0	1656.2	1660.7	1664.0
177.5°	1668.0	1664.0	1668.0	1672.0	1673.0	1667.4	1660.0	1656.2	1657.9	1661.4	1664.0
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



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CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3248.1	3229.9	3229.9	3199.7	3187.6	3178.4	3163.3	3117.8	3105.7	3093.6	3111.8
5°	3275.4	3242.1	3217.8	3163.3	3117.8	3099.7	3042.1	2933.0	2860.3	2805.7	2775.5
7.5°	3281.5	3239.1	3193.6	3108.8	2999.7	2951.2	2775.5	2575.5	2520.9	2472.5	2442.1
10°	3275.4	3227.0	3163.3	3036.0	2778.5	2693.6	2517.9	2387.6	2354.3	2345.2	2354.3
12.5°	3254.2	3208.7	3120.9	2908.8	2548.2	2490.7	2387.6	2311.9	2305.8	2321.0	2402.7
15°	3217.8	3175.4	3072.4	2739.1	2420.9	2378.6	2305.8	2278.6	2311.9	2418.0	2663.4
17.5°	3181.5	3133.0	3005.7	2572.5	2324.0	2293.7	2242.2	2296.7	2484.6	2627.0	2708.8
20°	3133.0	3075.4	2930.0	2451.3	2254.3	2227.0	2202.8	2448.2	2590.7	2642.2	2687.6
22.5°	3075.4	3014.9	2826.9	2366.4	2181.6	2160.4	2175.5	2533.1	2590.7	2627.0	2666.4
25°	2999.7	2948.2	2705.8	2299.8	2124.0	2099.8	2157.3	2524.0	2557.3	2566.4	2645.2
27.5°	2930.0	2863.3	2578.5	2239.2	2054.3	2045.3	2172.5	2484.6	2508.8	2517.9	2602.8
30°	2845.1	2745.2	2436.1	2175.5	1981.6	1978.5	2175.5	2436.1	2430.1	2454.3	2539.1
32.5°	2757.3	2569.5	2275.5	2096.7	1911.9	1908.9	2154.3	2363.4	2357.4	2390.7	2454.3
35°	2675.5	2433.1	2057.3	2005.9	1824.0	1827.1	2102.8	2278.6	2281.6	2311.9	2351.3
37.5°	2590.7	2314.9	1818.0	1905.9	1739.2	1739.2	2033.1	2199.8	2193.7	2202.8	2257.4
40°	2490.7	2130.0	1605.9	1775.6	1660.4	1651.3	1948.3	2114.9	2093.7	2090.7	2166.5
42.5°	2384.6	1927.1	1448.3	1602.9	1569.6	1557.4	1845.2	2011.9	1972.6	1981.6	2078.6
45°	2269.4	1872.5	1327.1	1354.4	1475.6	1466.5	1733.1	1893.8	1866.5	1890.7	1990.7
47.5°	2154.3	1763.4	1287.7	1124.2	1375.6	1372.6	1609.0	1778.6	1763.4	1787.7	1893.8
50°	1996.7	1642.3	1284.7	963.5	1263.5	1275.6	1460.4	1666.5	1666.5	1687.7	1799.8
52.5°	1793.8	1493.7	1166.5	872.7	1133.2	1169.5	1330.2	1569.6	1575.6	1596.8	1696.8
55°	1609.0	1339.3	1081.7	802.9	978.7	1057.5	1202.9	1469.6	1481.7	1502.9	1593.7
57.5°	1439.2	1115.0	1063.5	721.2	836.3	912.1	1090.8	1372.6	1378.6	1396.9	1484.7
60°	1257.5	806.0	975.6	633.3	712.0	769.6	987.8	1257.5	1278.7	1290.8	1366.5
62.5°	1051.4	584.8	884.7	572.6	651.4	663.6	902.9	1148.3	1175.6	1184.8	1230.2
65°	748.4	490.9	751.4	521.2	587.8	590.8	812.0	1036.2	1060.5	1075.6	1108.9
67.5°	506.0	399.9	572.6	472.6	539.3	542.4	724.1	906.0	939.3	951.4	972.7
70°	351.5	266.6	424.2	421.2	484.8	490.9	630.2	787.8	818.1	827.2	839.3
72.5°	257.6	215.1	351.5	378.7	427.2	433.3	533.2	654.5	684.7	693.9	700.0
75°	197.0	227.2	284.8	330.3	363.6	366.6	436.3	533.2	554.5	560.6	563.6
77.5°	157.6	212.1	209.1	266.6	297.0	290.9	342.4	412.1	430.3	430.3	430.3
80°	118.2	166.6	157.6	190.9	218.2	212.1	245.4	293.9	299.9	306.0	303.0
82.5°	87.8	106.0	106.0	121.2	145.4	139.4	163.7	190.9	190.9	190.9	197.0
85°	54.5	60.6	48.4	63.7	81.8	78.8	90.9	103.1	106.0	106.0	100.0
87.5°	33.3	27.3	15.1	24.3	36.3	36.3	42.4	45.5	42.4	42.4	42.4
90°	29.0	20.1	11.2	20.1	29.0	31.2	49.2	73.0	84.9	75.5	56.6
92.5°	196.6	120.6	44.7	120.6	196.6	215.6	303.1	419.7	478.0	418.9	300.8
95°	385.2	246.2	107.3	246.2	385.2	419.9	745.6	1179.9	1397.1	1246.7	946.0
97.5°	430.6	308.0	185.4	308.0	430.6	461.3	1004.5	1728.7	2090.7	1995.7	1805.6
100°	468.1	356.9	245.7	356.9	468.1	495.9	1098.6	1902.2	2304.0	2311.0	2324.9
102.5°	504.5	400.8	297.1	400.8	504.5	530.5	1141.8	1956.8	2364.3	2485.5	2727.7
105°	559.9	472.0	384.2	472.0	559.9	581.9	1173.8	1963.0	2357.6	2629.2	3172.2
107.5°	637.3	555.5	473.5	555.5	637.3	657.8	1179.8	1875.7	2223.6	2602.3	3359.8
110°	681.8	607.8	533.9	607.8	681.8	700.2	1170.8	1798.2	2112.0	2535.3	3382.1



TEST NUMBER: P936166

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	734.0	663.5	593.1	663.5	734.0	751.6	1171.2	1730.5	2010.2	2443.6	3310.2
115°	812.4	747.4	682.4	747.4	812.4	828.7	1182.0	1653.0	1888.6	2306.0	3140.8
117.5°	888.8	829.7	770.6	829.7	888.8	903.5	1203.9	1604.5	1804.8	2181.5	2935.0
120°	933.2	877.6	822.0	877.6	933.2	947.1	1221.8	1588.1	1771.3	2115.5	2804.0
122.5°	984.4	928.3	872.2	928.3	984.4	998.5	1247.5	1579.6	1745.6	2055.5	2675.6
125°	1051.5	1000.4	949.3	1000.4	1051.5	1064.3	1282.1	1572.4	1717.7	1981.0	2507.6
127.5°	1115.1	1063.5	1011.9	1063.5	1115.1	1128.0	1316.7	1568.4	1694.2	1920.3	2372.5
130°	1156.6	1101.0	1045.4	1101.0	1156.6	1170.4	1342.1	1570.8	1685.2	1886.5	2289.1
132.5°	1191.2	1135.6	1080.0	1135.6	1191.2	1205.1	1362.6	1572.5	1677.5	1857.6	2218.0
135°	1232.7	1182.0	1131.3	1182.0	1232.7	1245.3	1384.9	1571.0	1664.0	1815.0	2116.8
137.5°	1284.1	1234.0	1183.9	1234.0	1284.1	1296.6	1418.4	1580.7	1661.9	1789.5	2044.5
140°	1319.7	1273.6	1227.4	1273.6	1319.7	1331.2	1438.9	1582.3	1654.0	1764.2	1984.6
142.5°	1346.3	1303.6	1260.9	1303.6	1346.3	1356.9	1456.0	1588.0	1654.0	1750.8	1944.3
145°	1386.7	1349.5	1312.3	1349.5	1386.7	1396.1	1478.3	1588.0	1642.8	1722.0	1880.3
147.5°	1436.2	1399.9	1363.6	1399.9	1436.2	1445.2	1511.1	1598.9	1642.8	1705.1	1829.7
150°	1462.7	1429.9	1397.1	1429.9	1462.7	1470.8	1528.1	1604.6	1642.8	1695.5	1800.7
152.5°	1481.5	1456.6	1431.8	1456.6	1481.5	1487.7	1539.4	1608.3	1642.8	1687.8	1777.6
155°	1519.9	1501.5	1483.2	1501.5	1519.9	1524.4	1563.9	1616.5	1642.8	1678.5	1750.1
157.5°	1556.9	1539.0	1521.1	1539.0	1556.9	1561.3	1588.5	1624.7	1642.8	1670.7	1726.3
160°	1574.6	1560.7	1546.8	1560.7	1574.6	1578.1	1599.7	1628.4	1642.8	1666.6	1714.3
162.5°	1593.4	1582.9	1572.5	1582.9	1593.4	1596.0	1611.6	1632.4	1642.8	1663.0	1703.2
165°	1619.3	1609.8	1600.4	1609.8	1619.3	1621.6	1628.7	1638.1	1642.8	1657.2	1686.1
167.5°	1635.0	1630.5	1626.1	1630.5	1635.0	1636.2	1642.1	1650.1	1654.0	1663.4	1682.3
170°	1651.8	1647.3	1642.8	1647.3	1651.8	1652.9	1653.3	1653.7	1654.0	1663.4	1682.3
172.5°	1653.7	1652.7	1651.8	1652.7	1653.7	1654.0	1654.0	1654.0	1654.0	1661.4	1676.3
175°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1660.7	1656.2	1654.0	1658.7	1668.1
177.5°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1661.4	1657.9	1656.2	1660.0	1667.4
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



TEST NUMBER: P936166

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3090.6	3081.5	3093.6	3060.3	3093.6	3081.5	3090.6	3111.8	3093.6	3105.7	3117.8
5°	2711.8	2696.7	2648.2	2608.8	2648.2	2696.7	2711.8	2775.5	2805.7	2860.3	2933.0
7.5°	2424.0	2411.9	2399.7	2375.5	2399.7	2411.9	2424.0	2442.1	2472.5	2520.9	2575.5
10°	2360.4	2363.4	2381.5	2378.6	2381.5	2363.4	2360.4	2354.3	2345.2	2354.3	2387.6
12.5°	2524.0	2551.3	2651.2	2645.2	2651.2	2551.3	2524.0	2402.7	2321.0	2305.8	2311.9
15°	2711.8	2720.9	2742.2	2745.2	2742.2	2720.9	2711.8	2663.4	2418.0	2311.9	2278.6
17.5°	2730.0	2733.0	2748.2	2748.2	2748.2	2733.0	2730.0	2708.8	2627.0	2484.6	2296.7
20°	2714.9	2720.9	2751.2	2757.3	2751.2	2720.9	2714.9	2687.6	2642.2	2590.7	2448.2
22.5°	2708.8	2720.9	2745.2	2742.2	2745.2	2720.9	2708.8	2666.4	2627.0	2590.7	2533.1
25°	2678.5	2678.5	2681.5	2684.6	2681.5	2678.5	2678.5	2645.2	2566.4	2557.3	2524.0
27.5°	2614.8	2620.9	2639.1	2636.1	2639.1	2620.9	2614.8	2602.8	2517.9	2508.8	2484.6
30°	2557.3	2551.3	2536.1	2524.0	2536.1	2551.3	2557.3	2539.1	2454.3	2430.1	2436.1
32.5°	2460.3	2445.2	2430.1	2420.9	2430.1	2445.2	2460.3	2454.3	2390.7	2357.4	2363.4
35°	2345.2	2348.2	2345.2	2336.1	2345.2	2348.2	2345.2	2351.3	2311.9	2281.6	2278.6
37.5°	2263.4	2269.4	2266.4	2254.3	2266.4	2269.4	2263.4	2257.4	2202.8	2193.7	2199.8
40°	2178.6	2181.6	2178.6	2169.4	2178.6	2181.6	2178.6	2166.5	2090.7	2093.7	2114.9
42.5°	2096.7	2093.7	2084.6	2078.6	2084.6	2093.7	2096.7	2078.6	1981.6	1972.6	2011.9
45°	2002.8	2005.9	1987.7	1978.5	1987.7	2005.9	2002.8	1990.7	1890.7	1866.5	1893.8
47.5°	1908.9	1908.9	1893.8	1884.6	1893.8	1908.9	1908.9	1893.8	1787.7	1763.4	1778.6
50°	1808.9	1805.8	1784.6	1781.7	1784.6	1805.8	1808.9	1799.8	1687.7	1666.5	1666.5
52.5°	1693.8	1693.8	1696.8	1702.9	1696.8	1693.8	1693.8	1696.8	1596.8	1575.6	1569.6
55°	1593.7	1596.8	1618.0	1624.1	1618.0	1596.8	1593.7	1593.7	1502.9	1481.7	1469.6
57.5°	1490.8	1490.8	1505.9	1505.9	1505.9	1490.8	1490.8	1484.7	1396.9	1378.6	1372.6
60°	1372.6	1378.6	1390.8	1387.7	1390.8	1378.6	1372.6	1366.5	1290.8	1278.7	1257.5
62.5°	1248.3	1254.4	1257.5	1251.4	1257.5	1254.4	1248.3	1230.2	1184.8	1175.6	1148.3
65°	1118.1	1124.2	1127.2	1121.1	1127.2	1124.2	1118.1	1108.9	1075.6	1060.5	1036.2
67.5°	984.8	981.7	978.7	990.8	978.7	981.7	984.8	972.7	951.4	939.3	906.0
70°	848.4	848.4	845.4	851.4	845.4	848.4	848.4	839.3	827.2	818.1	787.8
72.5°	703.0	700.0	712.0	703.0	712.0	700.0	703.0	700.0	693.9	684.7	654.5
75°	560.6	566.6	560.6	569.6	560.6	566.6	560.6	563.6	560.6	554.5	533.2
77.5°	427.2	433.3	427.2	427.2	427.2	433.3	427.2	430.3	430.3	430.3	412.1
80°	303.0	299.9	299.9	297.0	299.9	299.9	303.0	303.0	306.0	299.9	293.9
82.5°	193.9	190.9	190.9	197.0	190.9	190.9	193.9	197.0	190.9	190.9	190.9
85°	106.0	109.0	103.1	103.1	103.1	109.0	106.0	100.0	106.0	106.0	103.1
87.5°	39.4	36.3	36.3	36.3	36.3	36.3	39.4	42.4	42.4	42.4	45.5
90°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	56.6	75.5	84.9	73.0
92.5°	212.2	203.8	170.0	136.3	170.0	203.8	212.2	300.8	418.9	478.0	419.7
95°	720.4	694.8	592.5	490.3	592.5	694.8	720.4	946.0	1246.7	1397.1	1179.9
97.5°	1663.0	1614.3	1419.7	1225.1	1419.7	1614.3	1663.0	1805.6	1995.7	2090.7	1728.7
100°	2335.2	2277.3	2045.5	1813.7	2045.5	2277.3	2335.2	2324.9	2311.0	2304.0	1902.2
102.5°	2909.3	2859.7	2661.1	2462.6	2661.1	2859.7	2909.3	2727.7	2485.5	2364.3	1956.8
105°	3579.5	3552.8	3446.1	3339.3	3446.1	3552.8	3579.5	3172.2	2629.2	2357.6	1963.0
107.5°	3927.9	3934.4	3960.1	3985.9	3960.1	3934.4	3927.9	3359.8	2602.3	2223.6	1875.7
110°	4017.3	4045.0	4156.2	4267.4	4156.2	4045.0	4017.3	3382.1	2535.3	2112.0	1798.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3960.2	4002.9	4173.7	4344.4	4173.7	4002.9	3960.2	3310.2	2443.6	2010.2	1730.5
115°	3767.0	3826.2	4063.0	4299.7	4063.0	3826.2	3767.0	3140.8	2306.0	1888.6	1653.0
117.5°	3500.1	3565.8	3828.4	4090.9	3828.4	3565.8	3500.1	2935.0	2181.5	1804.8	1604.5
120°	3320.4	3384.1	3639.3	3894.3	3639.3	3384.1	3320.4	2804.0	2115.5	1771.3	1588.1
122.5°	3140.5	3203.4	3455.1	3706.8	3455.1	3203.4	3140.5	2675.6	2055.5	1745.6	1579.6
125°	2902.6	2960.5	3192.4	3424.2	3192.4	2960.5	2902.6	2507.6	1981.0	1717.7	1572.4
127.5°	2711.6	2760.5	2956.1	3151.7	2956.1	2760.5	2711.6	2372.5	1920.3	1694.2	1568.4
130°	2591.0	2636.2	2816.9	2997.6	2816.9	2636.2	2591.0	2289.1	1886.5	1685.2	1570.8
132.5°	2488.3	2528.7	2690.5	2852.4	2690.5	2528.7	2488.3	2218.0	1857.6	1677.5	1572.5
135°	2343.1	2377.9	2517.4	2656.9	2517.4	2377.9	2343.1	2116.8	1815.0	1664.0	1571.0
137.5°	2235.9	2264.4	2378.6	2492.7	2378.6	2264.4	2235.9	2044.5	1789.5	1661.9	1580.7
140°	2149.9	2176.6	2283.3	2390.0	2283.3	2176.6	2149.9	1984.6	1764.2	1654.0	1582.3
142.5°	2089.6	2112.5	2204.3	2296.2	2204.3	2112.5	2089.6	1944.3	1750.8	1654.0	1588.0
145°	1999.1	2016.5	2086.0	2155.5	2086.0	2016.5	1999.1	1880.3	1722.0	1642.8	1588.0
147.5°	1923.1	1937.5	1995.1	2052.7	1995.1	1937.5	1923.1	1829.7	1705.1	1642.8	1598.9
150°	1879.6	1891.3	1938.0	1984.6	1938.0	1891.3	1879.6	1800.7	1695.5	1642.8	1604.6
152.5°	1845.0	1853.7	1889.0	1924.3	1889.0	1853.7	1845.0	1777.6	1687.8	1642.8	1608.3
155°	1803.7	1809.5	1832.9	1856.2	1832.9	1809.5	1803.7	1750.1	1678.5	1642.8	1616.5
157.5°	1768.0	1772.1	1788.4	1804.8	1788.4	1772.1	1768.0	1726.3	1670.7	1642.8	1624.7
160°	1750.1	1752.4	1761.9	1771.3	1761.9	1752.4	1750.1	1714.3	1666.6	1642.8	1628.4
162.5°	1733.3	1735.6	1744.4	1753.4	1744.4	1735.6	1733.3	1703.2	1663.0	1642.8	1632.4
165°	1707.6	1710.0	1719.4	1728.8	1719.4	1710.0	1707.6	1686.1	1657.2	1642.8	1638.1
167.5°	1696.4	1697.4	1701.5	1705.4	1701.5	1697.4	1696.4	1682.3	1663.4	1654.0	1650.1
170°	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1682.3	1663.4	1654.0	1653.7
172.5°	1687.5	1686.6	1683.2	1679.7	1683.2	1686.6	1687.5	1676.3	1661.4	1654.0	1654.0
175°	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1668.1	1658.7	1654.0	1656.2
177.5°	1673.0	1672.0	1668.0	1664.0	1668.0	1672.0	1673.0	1667.4	1660.0	1656.2	1657.9
180°	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0	1664.0



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CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3163.3	3178.4	3187.6	3199.7	3229.9
5°	3042.1	3099.7	3117.8	3163.3	3217.8
7.5°	2775.5	2951.2	2999.7	3108.8	3193.6
10°	2517.9	2693.6	2778.5	3036.0	3163.3
12.5°	2387.6	2490.7	2548.2	2908.8	3120.9
15°	2305.8	2378.6	2420.9	2739.1	3072.4
17.5°	2242.2	2293.7	2324.0	2572.5	3005.7
20°	2202.8	2227.0	2254.3	2451.3	2930.0
22.5°	2175.5	2160.4	2181.6	2366.4	2826.9
25°	2157.3	2099.8	2124.0	2299.8	2705.8
27.5°	2172.5	2045.3	2054.3	2239.2	2578.5
30°	2175.5	1978.5	1981.6	2175.5	2436.1
32.5°	2154.3	1908.9	1911.9	2096.7	2275.5
35°	2102.8	1827.1	1824.0	2005.9	2057.3
37.5°	2033.1	1739.2	1739.2	1905.9	1818.0
40°	1948.3	1651.3	1660.4	1775.6	1605.9
42.5°	1845.2	1557.4	1569.6	1602.9	1448.3
45°	1733.1	1466.5	1475.6	1354.4	1327.1
47.5°	1609.0	1372.6	1375.6	1124.2	1287.7
50°	1460.4	1275.6	1263.5	963.5	1284.7
52.5°	1330.2	1169.5	1133.2	872.7	1166.5
55°	1202.9	1057.5	978.7	802.9	1081.7
57.5°	1090.8	912.1	836.3	721.2	1063.5
60°	987.8	769.6	712.0	633.3	975.6
62.5°	902.9	663.6	651.4	572.6	884.7
65°	812.0	590.8	587.8	521.2	751.4
67.5°	724.1	542.4	539.3	472.6	572.6
70°	630.2	490.9	484.8	421.2	424.2
72.5°	533.2	433.3	427.2	378.7	351.5
75°	436.3	366.6	363.6	330.3	284.8
77.5°	342.4	290.9	297.0	266.6	209.1
80°	245.4	212.1	218.2	190.9	157.6
82.5°	163.7	139.4	145.4	121.2	106.0
85°	90.9	78.8	81.8	63.7	48.4
87.5°	42.4	36.3	36.3	24.3	15.1
90°	49.2	31.2	29.0	20.1	11.2
92.5°	303.1	215.6	196.6	120.6	44.7
95°	745.6	419.9	385.2	246.2	107.3
97.5°	1004.5	461.3	430.6	308.0	185.4
100°	1098.6	495.9	468.1	356.9	245.7
102.5°	1141.8	530.5	504.5	400.8	297.1
105°	1173.8	581.9	559.9	472.0	384.2
107.5°	1179.8	657.8	637.3	555.5	473.5
110°	1170.8	700.2	681.8	607.8	533.9



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CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1171.2	751.6	734.0	663.5	593.1
115°	1182.0	828.7	812.4	747.4	682.4
117.5°	1203.9	903.5	888.8	829.7	770.6
120°	1221.8	947.1	933.2	877.6	822.0
122.5°	1247.5	998.5	984.4	928.3	872.2
125°	1282.1	1064.3	1051.5	1000.4	949.3
127.5°	1316.7	1128.0	1115.1	1063.5	1011.9
130°	1342.1	1170.4	1156.6	1101.0	1045.4
132.5°	1362.6	1205.1	1191.2	1135.6	1080.0
135°	1384.9	1245.3	1232.7	1182.0	1131.3
137.5°	1418.4	1296.6	1284.1	1234.0	1183.9
140°	1438.9	1331.2	1319.7	1273.6	1227.4
142.5°	1456.0	1356.9	1346.3	1303.6	1260.9
145°	1478.3	1396.1	1386.7	1349.5	1312.3
147.5°	1511.1	1445.2	1436.2	1399.9	1363.6
150°	1528.1	1470.8	1462.7	1429.9	1397.1
152.5°	1539.4	1487.7	1481.5	1456.6	1431.8
155°	1563.9	1524.4	1519.9	1501.5	1483.2
157.5°	1588.5	1561.3	1556.9	1539.0	1521.1
160°	1599.7	1578.1	1574.6	1560.7	1546.8
162.5°	1611.6	1596.0	1593.4	1582.9	1572.5
165°	1628.7	1621.6	1619.3	1609.8	1600.4
167.5°	1642.1	1636.2	1635.0	1630.5	1626.1
170°	1653.3	1652.9	1651.8	1647.3	1642.8
172.5°	1654.0	1654.0	1653.7	1652.7	1651.8
175°	1660.7	1664.0	1664.0	1664.0	1664.0
177.5°	1661.4	1664.0	1664.0	1664.0	1664.0
180°	1664.0	1664.0	1664.0	1664.0	1664.0



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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	13.55	14.36	14.56	15.38	16.74	16.39	17.20	17.40	18.22	19.58
	3H	14.03	14.75	15.05	15.78	17.16	17.73	18.46	18.76	19.49	20.87
	4H	14.21	14.90	15.25	15.93	17.32	18.18	18.86	19.21	19.89	21.28
	6H	14.33	14.96	15.37	16.00	17.40	18.46	19.09	19.51	20.13	21.53
	8H	14.33	14.93	15.38	15.98	17.38	18.54	19.13	19.58	20.19	21.58
	12H	14.30	14.87	15.35	15.91	17.34	18.57	19.14	19.63	20.19	21.61
4H	2H	14.58	15.26	15.62	16.30	17.68	16.79	17.48	17.83	18.51	19.90
	3H	15.60	16.17	16.65	17.23	18.63	18.30	18.87	19.34	19.93	21.33
	4H	15.88	16.40	16.93	17.45	18.87	18.82	19.34	19.88	20.40	21.82
	6H	16.00	16.45	17.06	17.52	18.94	19.19	19.64	20.25	20.71	22.13
	8H	16.00	16.42	17.07	17.49	18.92	19.29	19.71	20.36	20.78	22.21
	12H	15.97	16.34	17.05	17.43	18.87	19.35	19.73	20.43	20.81	22.25
8H	4H	16.33	16.74	17.39	17.81	19.25	18.94	19.36	20.01	20.43	21.86
	6H	16.59	16.93	17.67	18.04	19.47	19.38	19.72	20.47	20.83	22.27
	8H	16.63	16.93	17.72	18.02	19.47	19.53	19.83	20.63	20.93	22.38
	12H	16.61	16.88	17.71	17.96	19.45	19.63	19.90	20.73	20.98	22.47
12H	4H	16.33	16.71	17.41	17.79	19.23	18.90	19.28	19.99	20.36	21.80
	6H	16.65	16.95	17.74	18.04	19.49	19.38	19.68	20.47	20.77	22.22
	8H	16.71	16.98	17.81	18.07	19.56	19.54	19.80	20.63	20.89	22.38