

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: P935656

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935656
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

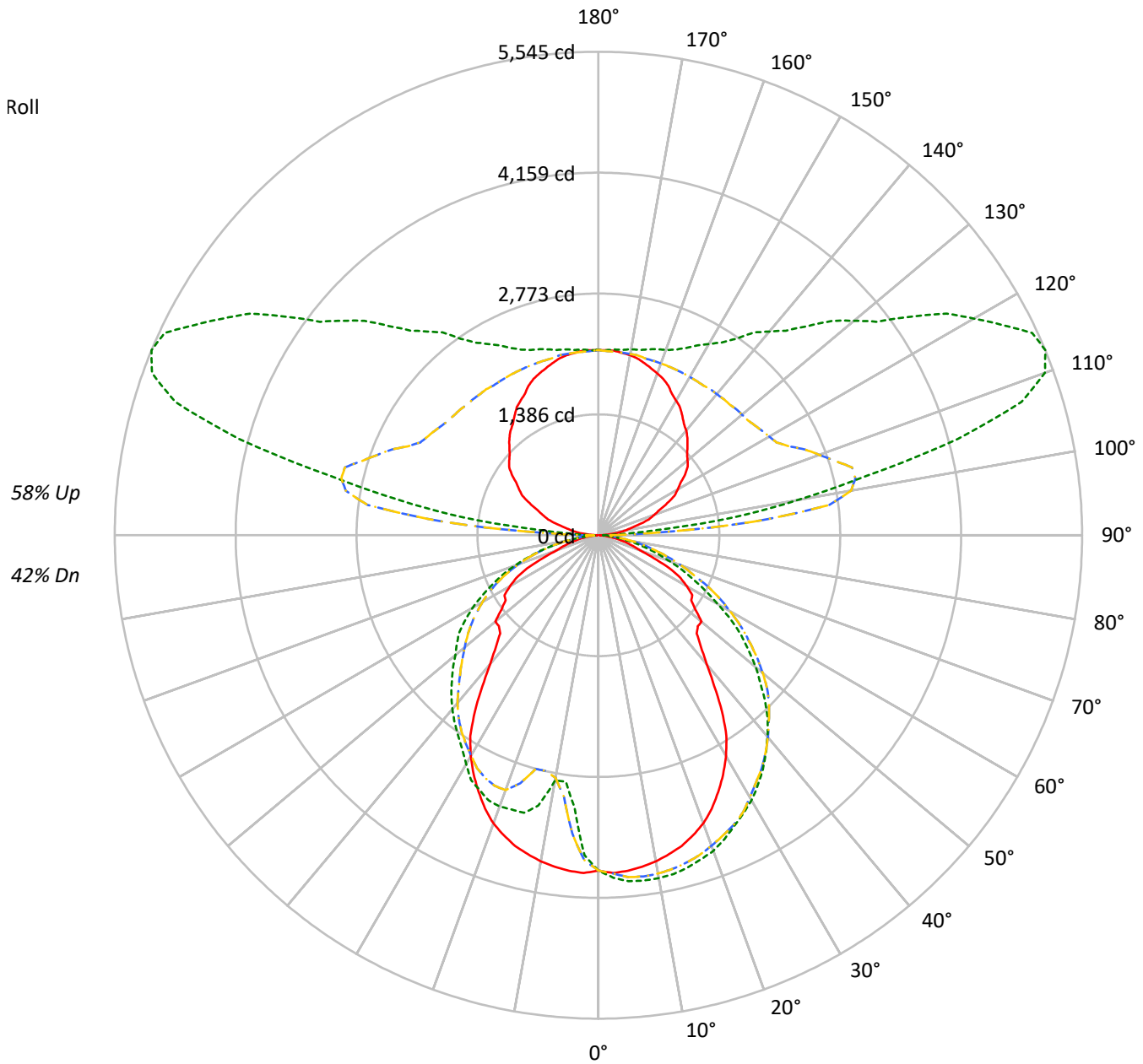
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23745.3 lumens
Efficiency: N/A
Efficacy: 122.9 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): 193.2
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

TEST NUMBER: P935656
CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-5000K

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	0
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11892	11892	11892	11892
5°	11985	12005	11985	9439
10°	11910	11825	11910	8454
15°	11785	11569	11785	9660
20°	11543	11266	11543	9681
25°	11043	10823	11043	9475
30°	10395	10455	10395	9025
35°	9272	9990	9272	8530
40°	7730	9443	7730	8156
45°	6911	8803	6911	7726
50°	7349	8039	7349	7295
55°	6920	7216	6920	7044
60°	7143	6128	7143	6452
65°	6486	5066	6486	5663
70°	4502	4037	4502	4747
75°	3963	2984	3963	3574
80°	3216	1973	3216	2148
85°	1886	1045	1886	888

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10586 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.1	1.5
10°-20°	985.4	4.1
20°-30°	1523.3	6.4
30°-40°	1818.4	7.7
40°-50°	1829.1	7.7
50°-60°	1591.5	6.7
60°-70°	1128.4	4.8
70°-80°	597.0	2.5
80°-90°	156.8	0.7
90°-100°	1035.3	4.4
100°-110°	2721.8	11.5
110°-120°	2822.2	11.9
120°-130°	2263.8	9.5
130°-140°	1776.3	7.5
140°-150°	1363.4	5.7
150°-160°	981.9	4.1
160°-170°	600.7	2.5
170°-180°	203.0	0.9
0°-30°	2855.7	12.0
0°-40°	4674.2	19.7
0°-60°	8094.8	34.1
0°-90°	9977.0	42.0
90°-120°	6579.4	27.7
90°-150°	11982.8	50.5
90°-180°	13768.0	58.0
0°-180°	23745.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3845	3845	3845	3845	3845	
5°	3863	3983	3863	3132	3863	366
15°	3688	3947	3688	3296	3688	1038
25°	3248	3681	3248	3223	3248	1491
35°	2470	3285	2470	2804	2470	1528
45°	1593	2706	1593	2375	1593	1276
55°	1298	1997	1298	1950	1298	1193
65°	902	1204	902	1346	902	862
75°	342	571	342	684	342	359
85°	58	146	58	124	58	79
90°	14	54	14	54	14	14
95°	137	626	137	626	137	152
105°	490	4262	490	4262	490	520
115°	871	5488	871	5488	871	860
125°	1212	4370	1212	4370	1212	1076
135°	1444	3391	1444	3391	1444	1117
145°	1675	2751	1675	2751	1675	1049
155°	1893	2369	1893	2369	1893	870
165°	2043	2207	2043	2207	2043	576
175°	2124	2138	2124	2138	2124	202
180°	2124	2124	2124	2124	2124	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3877.5	3877.5	3899.4	3906.6	3906.6	3895.7	3884.8	3895.7	3928.5	3939.4	3935.7
5°	3863.0	3892.1	3932.1	3939.4	3946.6	3943.1	3935.7	3943.1	3979.4	3986.7	3990.3
7.5°	3833.9	3888.5	3939.4	3950.3	3961.2	3950.3	3946.6	3954.0	3990.3	3997.6	3997.6
10°	3797.5	3874.0	3932.1	3939.4	3950.3	3939.4	3939.4	3954.0	3990.3	3997.6	4001.2
12.5°	3746.6	3852.1	3906.6	3914.0	3928.5	3924.8	3921.2	3935.7	3972.2	3979.4	3979.4
15°	3688.4	3812.1	3863.0	3870.3	3895.7	3888.5	3888.5	3903.0	3943.1	3954.0	3950.3
17.5°	3608.4	3761.2	3819.4	3830.3	3848.4	3844.8	3848.4	3863.0	3899.4	3906.6	3910.3
20°	3517.4	3692.1	3761.2	3772.1	3790.3	3790.3	3790.3	3808.4	3844.8	3859.4	3859.4
22.5°	3393.7	3619.3	3692.1	3699.3	3721.2	3721.2	3728.4	3753.8	3786.6	3790.3	3790.3
25°	3248.3	3539.3	3601.1	3623.0	3644.7	3655.6	3666.6	3681.1	3692.1	3688.4	3692.1
27.5°	3095.5	3437.4	3517.4	3532.0	3561.1	3572.0	3586.5	3590.2	3593.8	3604.7	3597.5
30°	2924.5	3295.5	3415.6	3430.2	3477.4	3484.7	3470.2	3477.4	3495.6	3502.9	3510.2
32.5°	2731.7	3084.6	3310.1	3342.8	3386.5	3364.6	3361.1	3372.0	3401.1	3401.1	3408.3
35°	2469.9	2920.9	3211.9	3241.0	3273.7	3248.3	3262.8	3266.4	3284.6	3295.5	3292.0
37.5°	2182.5	2779.1	3110.1	3131.9	3157.3	3124.6	3146.4	3157.3	3171.9	3164.6	3164.6
40°	1927.9	2557.2	2990.0	3004.5	3026.4	3001.0	3022.7	3030.0	3037.3	3030.0	3026.4
42.5°	1738.8	2313.4	2862.7	2880.9	2866.3	2884.5	2891.7	2906.3	2895.4	2880.9	2880.9
45°	1593.2	2248.0	2724.5	2746.3	2724.5	2753.5	2764.5	2764.5	2731.7	2724.5	2720.9
47.5°	1545.9	2117.0	2586.2	2586.2	2575.3	2611.7	2629.9	2604.4	2571.7	2560.8	2560.8
50°	1542.3	1971.5	2397.1	2382.5	2433.5	2477.1	2459.0	2433.5	2408.0	2368.0	2368.0
52.5°	1400.4	1793.3	2153.4	2208.0	2288.0	2313.4	2284.3	2258.9	2215.2	2197.1	2182.5
55°	1298.5	1607.8	1931.5	2040.6	2124.3	2157.0	2102.4	2077.0	2011.5	2000.6	1993.3
57.5°	1276.8	1338.5	1727.8	1866.0	1967.9	1964.2	1931.5	1884.2	1829.6	1818.8	1815.1
60°	1171.3	967.5	1509.5	1673.2	1778.8	1767.8	1738.8	1695.1	1644.1	1636.9	1629.6
62.5°	1062.1	702.0	1262.2	1447.8	1596.9	1593.2	1567.8	1502.3	1465.9	1447.8	1433.2
65°	902.1	589.3	898.4	1204.0	1418.6	1425.9	1371.3	1324.1	1284.0	1262.2	1258.5
67.5°	687.4	480.1	607.4	1004.0	1247.7	1240.4	1171.3	1149.4	1098.5	1087.6	1065.8
70°	509.2	320.1	422.0	814.8	1080.3	1062.1	1007.5	982.1	934.9	909.3	894.8
72.5°	422.0	258.2	309.2	632.9	909.3	887.5	840.2	811.2	771.1	749.3	734.8
75°	341.9	272.8	236.4	469.2	738.4	723.9	680.2	651.1	618.3	589.3	592.9
77.5°	251.0	254.7	189.1	345.6	585.7	563.8	538.3	502.0	487.4	458.3	458.3
80°	189.1	200.1	141.9	236.4	422.0	422.0	400.1	374.7	349.2	334.7	334.7
82.5°	127.3	127.3	105.4	149.1	287.3	276.4	261.9	254.7	240.1	232.8	232.8
85°	58.2	72.8	65.4	90.9	156.4	163.7	163.7	156.4	152.8	145.5	149.1
87.5°	18.2	32.8	40.0	50.9	80.0	83.7	87.3	87.3	87.3	90.9	90.9
90°	14.2	25.6	37.1	39.9	62.7	93.1	108.3	96.3	72.2	54.1	54.1
92.5°	57.0	153.9	250.9	275.1	386.8	535.7	610.1	534.6	383.9	270.8	260.1
95°	136.8	314.2	491.6	535.9	951.6	1506.0	1783.2	1591.2	1207.3	919.4	886.8
97.5°	236.6	393.0	549.6	588.7	1281.9	2206.2	2668.4	2547.1	2304.4	2122.4	2060.3
100°	313.6	455.5	597.4	632.9	1402.1	2427.9	2940.7	2949.6	2967.3	2980.6	2906.6
102.5°	379.2	511.6	643.9	677.1	1457.3	2497.5	3017.7	3172.2	3481.4	3713.3	3649.9
105°	490.3	602.5	714.6	742.7	1498.1	2505.4	3009.0	3355.6	4048.7	4568.5	4534.4
107.5°	604.4	708.9	813.4	839.6	1505.8	2394.0	2838.1	3321.4	4288.1	5013.2	5021.4
110°	681.4	775.7	870.2	893.7	1494.3	2295.1	2695.5	3235.9	4316.7	5127.3	5162.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	756.9	846.8	936.8	959.3	1494.7	2208.8	2565.8	3118.9	4225.0	5054.6	5109.1
115°	870.9	953.9	1036.9	1057.6	1508.6	2109.8	2410.4	2943.2	4008.8	4808.0	4883.5
117.5°	983.6	1058.9	1134.4	1153.2	1536.6	2047.8	2303.5	2784.4	3746.0	4467.2	4551.0
120°	1049.1	1120.0	1191.1	1208.8	1559.4	2027.0	2260.7	2700.1	3578.8	4237.8	4319.2
122.5°	1113.3	1184.8	1256.4	1274.3	1592.2	2016.1	2228.0	2623.6	3414.8	4008.3	4088.6
125°	1211.6	1276.9	1342.1	1358.5	1636.4	2007.0	2192.3	2528.3	3200.6	3704.6	3778.6
127.5°	1291.5	1357.4	1423.3	1439.7	1680.6	2001.8	2162.4	2450.9	3028.0	3460.9	3523.3
130°	1334.2	1405.2	1476.1	1493.8	1712.9	2005.0	2151.0	2407.8	2921.7	3307.0	3364.6
132.5°	1378.4	1449.3	1520.3	1538.1	1739.0	2007.0	2141.0	2371.0	2830.9	3175.9	3227.5
135°	1444.0	1508.6	1573.2	1589.4	1767.6	2005.2	2123.9	2316.5	2701.7	2990.6	3035.1
137.5°	1511.0	1574.9	1638.9	1654.9	1810.2	2017.5	2121.1	2283.9	2609.5	2853.7	2890.1
140°	1566.5	1625.4	1684.3	1699.1	1836.4	2019.5	2111.1	2251.7	2532.9	2743.9	2778.0
142.5°	1609.3	1663.8	1718.3	1731.9	1858.2	2026.8	2111.1	2234.6	2481.7	2667.0	2696.3
145°	1674.9	1722.4	1770.0	1781.8	1886.8	2026.8	2096.8	2197.9	2400.0	2551.5	2573.7
147.5°	1740.4	1786.7	1832.9	1844.5	1928.6	2040.8	2096.8	2176.3	2335.4	2454.6	2472.9
150°	1783.2	1825.0	1866.9	1877.3	1950.5	2048.0	2096.8	2164.0	2298.3	2398.9	2413.8
152.5°	1827.4	1859.1	1890.8	1898.7	1964.8	2052.8	2096.8	2154.2	2268.8	2354.8	2366.1
155°	1892.9	1916.4	1939.8	1945.7	1996.1	2063.3	2096.8	2142.5	2233.7	2302.0	2309.5
157.5°	1941.5	1964.2	1987.1	1992.8	2027.5	2073.7	2096.8	2132.3	2203.2	2256.4	2261.7
160°	1974.2	1991.9	2009.8	2014.2	2041.7	2078.5	2096.8	2127.2	2188.1	2233.7	2236.7
162.5°	2007.0	2020.3	2033.6	2036.9	2056.9	2083.5	2096.8	2122.5	2173.8	2212.3	2215.1
165°	2042.6	2054.6	2066.6	2069.7	2078.8	2090.8	2096.8	2115.2	2151.9	2179.4	2182.5
167.5°	2075.5	2081.1	2086.8	2088.2	2095.8	2106.0	2111.1	2123.1	2147.1	2165.2	2166.5
170°	2096.8	2102.5	2108.2	2109.6	2110.1	2110.7	2111.1	2123.1	2147.1	2165.2	2165.2
172.5°	2108.2	2109.5	2110.8	2111.1	2111.1	2111.1	2111.1	2120.6	2139.6	2153.8	2152.7
175°	2123.9	2123.9	2123.9	2123.9	2119.6	2113.9	2111.1	2117.1	2129.1	2138.1	2138.1
177.5°	2123.9	2123.9	2123.9	2123.9	2120.6	2116.1	2113.9	2118.7	2128.1	2135.3	2134.0
180°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3943.1	3932.1	3943.1	3935.7	3939.4	3928.5	3895.7	3884.8	3895.7	3906.6	3906.6
5°	3990.3	3983.1	3990.3	3990.3	3986.7	3979.4	3943.1	3935.7	3943.1	3946.6	3939.4
7.5°	4004.8	3994.0	4004.8	3997.6	3997.6	3990.3	3954.0	3946.6	3950.3	3961.2	3950.3
10°	4004.8	3994.0	4004.8	4001.2	3997.6	3990.3	3954.0	3939.4	3939.4	3950.3	3939.4
12.5°	3986.7	3979.4	3986.7	3979.4	3979.4	3972.2	3935.7	3921.2	3924.8	3928.5	3914.0
15°	3957.6	3946.6	3957.6	3950.3	3954.0	3943.1	3903.0	3888.5	3888.5	3895.7	3870.3
17.5°	3914.0	3899.4	3914.0	3910.3	3906.6	3899.4	3863.0	3848.4	3844.8	3848.4	3830.3
20°	3863.0	3852.1	3863.0	3859.4	3859.4	3844.8	3808.4	3790.3	3790.3	3790.3	3772.1
22.5°	3783.0	3772.1	3783.0	3790.3	3790.3	3786.6	3753.8	3728.4	3721.2	3721.2	3699.3
25°	3692.1	3681.1	3692.1	3692.1	3688.4	3692.1	3681.1	3666.6	3655.6	3644.7	3623.0
27.5°	3604.7	3597.5	3604.7	3597.5	3604.7	3593.8	3590.2	3586.5	3572.0	3561.1	3532.0
30°	3517.4	3510.2	3517.4	3510.2	3502.9	3495.6	3477.4	3470.2	3484.7	3477.4	3430.2
32.5°	3408.3	3401.1	3408.3	3408.3	3401.1	3401.1	3372.0	3361.1	3364.6	3386.5	3342.8
35°	3295.5	3284.6	3295.5	3292.0	3295.5	3284.6	3266.4	3262.8	3248.3	3273.7	3241.0
37.5°	3164.6	3153.7	3164.6	3164.6	3164.6	3171.9	3157.3	3146.4	3124.6	3157.3	3131.9
40°	3030.0	3015.5	3030.0	3026.4	3030.0	3037.3	3030.0	3022.7	3001.0	3026.4	3004.5
42.5°	2877.2	2873.6	2877.2	2880.9	2880.9	2895.4	2906.3	2891.7	2884.5	2866.3	2880.9
45°	2713.5	2706.3	2713.5	2720.9	2724.5	2731.7	2764.5	2764.5	2753.5	2724.5	2746.3
47.5°	2539.0	2520.8	2539.0	2560.8	2560.8	2571.7	2604.4	2629.9	2611.7	2575.3	2586.2
50°	2353.4	2357.1	2353.4	2368.0	2368.0	2408.0	2433.5	2459.0	2477.1	2433.5	2382.5
52.5°	2171.5	2168.0	2171.5	2182.5	2197.1	2215.2	2258.9	2284.3	2313.4	2288.0	2208.0
55°	1989.7	1997.0	1989.7	1993.3	2000.6	2011.5	2077.0	2102.4	2157.0	2124.3	2040.6
57.5°	1807.9	1796.9	1807.9	1815.1	1818.8	1829.6	1884.2	1931.5	1964.2	1967.9	1866.0
60°	1596.9	1582.3	1596.9	1629.6	1636.9	1644.1	1695.1	1738.8	1767.8	1778.8	1673.2
62.5°	1411.3	1385.9	1411.3	1433.2	1447.8	1465.9	1502.3	1567.8	1593.2	1596.9	1447.8
65°	1214.9	1204.0	1214.9	1258.5	1262.2	1284.0	1324.1	1371.3	1425.9	1418.6	1204.0
67.5°	1036.7	1036.7	1036.7	1065.8	1087.6	1098.5	1149.4	1171.3	1240.4	1247.7	1004.0
70°	873.0	869.3	873.0	894.8	909.3	934.9	982.1	1007.5	1062.1	1080.3	814.8
72.5°	716.6	713.0	716.6	734.8	749.3	771.1	811.2	840.2	887.5	909.3	632.9
75°	578.3	571.1	578.3	592.9	589.3	618.3	651.1	680.2	723.9	738.4	469.2
77.5°	443.8	443.8	443.8	458.3	458.3	487.4	502.0	538.3	563.8	585.7	345.6
80°	331.0	327.3	331.0	334.7	334.7	349.2	374.7	400.1	422.0	422.0	236.4
82.5°	232.8	225.5	232.8	232.8	232.8	240.1	254.7	261.9	276.4	287.3	149.1
85°	145.5	145.5	145.5	149.1	145.5	152.8	156.4	163.7	163.7	156.4	90.9
87.5°	94.6	90.9	94.6	90.9	90.9	87.3	87.3	87.3	83.7	80.0	50.9
90°	54.1	54.1	54.1	54.1	54.1	72.2	96.3	108.3	93.1	62.7	39.9
92.5°	216.9	173.9	216.9	260.1	270.8	383.9	534.6	610.1	535.7	386.8	275.1
95°	756.3	625.8	756.3	886.8	919.4	1207.3	1591.2	1783.2	1506.0	951.6	535.9
97.5°	1812.0	1563.7	1812.0	2060.3	2122.4	2304.4	2547.1	2668.4	2206.2	1281.9	588.7
100°	2610.8	2314.9	2610.8	2906.6	2980.6	2967.3	2949.6	2940.7	2427.9	1402.1	632.9
102.5°	3396.5	3143.1	3396.5	3649.9	3713.3	3481.4	3172.2	3017.7	2497.5	1457.3	677.1
105°	4398.2	4262.1	4398.2	4534.4	4568.5	4048.7	3355.6	3009.0	2505.4	1498.1	742.7
107.5°	5054.4	5087.3	5054.4	5021.4	5013.2	4288.1	3321.4	2838.1	2394.0	1505.8	839.6
110°	5304.6	5446.5	5304.6	5162.8	5127.3	4316.7	3235.9	2695.5	2295.1	1494.3	893.7



TEST NUMBER: P935656

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

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5326.9	5544.9	5326.9	5109.1	5054.6	4225.0	3118.9	2565.8	2208.8	1494.7	959.3
115°	5185.7	5487.9	5185.7	4883.5	4808.0	4008.8	2943.2	2410.4	2109.8	1508.6	1057.6
117.5°	4886.2	5221.3	4886.2	4551.0	4467.2	3746.0	2784.4	2303.5	2047.8	1536.6	1153.2
120°	4644.8	4970.4	4644.8	4319.2	4237.8	3578.8	2700.1	2260.7	2027.0	1559.4	1208.8
122.5°	4409.8	4731.0	4409.8	4088.6	4008.3	3414.8	2623.6	2228.0	2016.1	1592.2	1274.3
125°	4074.5	4370.3	4074.5	3778.6	3704.6	3200.6	2528.3	2192.3	2007.0	1636.4	1358.5
127.5°	3772.9	4022.5	3772.9	3523.3	3460.9	3028.0	2450.9	2162.4	2001.8	1680.6	1439.7
130°	3595.3	3825.9	3595.3	3364.6	3307.0	2921.7	2407.8	2151.0	2005.0	1712.9	1493.8
132.5°	3434.0	3640.5	3434.0	3227.5	3175.9	2830.9	2371.0	2141.0	2007.0	1739.0	1538.1
135°	3213.0	3391.1	3213.0	3035.1	2990.6	2701.7	2316.5	2123.9	2005.2	1767.6	1589.4
137.5°	3035.8	3181.6	3035.8	2890.1	2853.7	2609.5	2283.9	2121.1	2017.5	1810.2	1654.9
140°	2914.2	3050.4	2914.2	2778.0	2743.9	2532.9	2251.7	2111.1	2019.5	1836.4	1699.1
142.5°	2813.5	2930.7	2813.5	2696.3	2667.0	2481.7	2234.6	2111.1	2026.8	1858.2	1731.9
145°	2662.3	2751.1	2662.3	2573.7	2551.5	2400.0	2197.9	2096.8	2026.8	1886.8	1781.8
147.5°	2546.4	2619.9	2546.4	2472.9	2454.6	2335.4	2176.3	2096.8	2040.8	1928.6	1844.5
150°	2473.5	2533.0	2473.5	2413.8	2398.9	2298.3	2164.0	2096.8	2048.0	1950.5	1877.3
152.5°	2411.1	2456.0	2411.1	2366.1	2354.8	2268.8	2154.2	2096.8	2052.8	1964.8	1898.7
155°	2339.3	2369.0	2339.3	2309.5	2302.0	2233.7	2142.5	2096.8	2063.3	1996.1	1945.7
157.5°	2282.6	2303.5	2282.6	2261.7	2256.4	2203.2	2132.3	2096.8	2073.7	2027.5	1992.8
160°	2248.7	2260.7	2248.7	2236.7	2233.7	2188.1	2127.2	2096.8	2078.5	2041.7	2014.2
162.5°	2226.5	2237.9	2226.5	2215.1	2212.3	2173.8	2122.5	2096.8	2083.5	2056.9	2036.9
165°	2194.5	2206.6	2194.5	2182.5	2179.4	2151.9	2115.2	2096.8	2090.8	2078.8	2069.7
167.5°	2171.5	2176.6	2171.5	2166.5	2165.2	2147.1	2123.1	2111.1	2106.0	2095.8	2088.2
170°	2165.2	2165.2	2165.2	2165.2	2165.2	2147.1	2123.1	2111.1	2110.7	2110.1	2109.6
172.5°	2148.2	2143.8	2148.2	2152.7	2153.8	2139.6	2120.6	2111.1	2111.1	2111.1	2111.1
175°	2138.1	2138.1	2138.1	2138.1	2138.1	2129.1	2117.1	2111.1	2113.9	2119.6	2123.9
177.5°	2129.0	2123.9	2129.0	2134.0	2135.3	2128.1	2118.7	2113.9	2116.1	2120.6	2123.9
180°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9



TEST NUMBER: P935656

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3899.4	3877.5	3877.5	3841.2	3826.6	3815.7	3797.5	3743.0	3728.4	3713.8	3735.7
5°	3932.1	3892.1	3863.0	3797.5	3743.0	3721.2	3652.1	3521.1	3433.7	3368.3	3332.0
7.5°	3939.4	3888.5	3833.9	3732.1	3601.1	3542.9	3332.0	3091.9	3026.4	2968.2	2931.8
10°	3932.1	3874.0	3797.5	3644.7	3335.5	3233.7	3022.7	2866.3	2826.3	2815.4	2826.3
12.5°	3906.6	3852.1	3746.6	3492.0	3059.1	2990.0	2866.3	2775.4	2768.1	2786.3	2884.5
15°	3863.0	3812.1	3688.4	3288.3	2906.3	2855.4	2768.1	2735.4	2775.4	2902.7	3197.3
17.5°	3819.4	3761.2	3608.4	3088.2	2790.0	2753.5	2691.7	2757.2	2982.7	3153.7	3251.9
20°	3761.2	3692.1	3517.4	2942.7	2706.3	2673.5	2644.4	2939.1	3110.1	3171.9	3226.4
22.5°	3692.1	3619.3	3393.7	2840.9	2619.0	2593.5	2611.7	3041.0	3110.1	3153.7	3201.0
25°	3601.1	3539.3	3248.3	2760.9	2549.9	2520.8	2589.9	3030.0	3070.1	3081.0	3175.5
27.5°	3517.4	3437.4	3095.5	2688.1	2466.2	2455.3	2608.1	2982.7	3011.9	3022.7	3124.6
30°	3415.6	3295.5	2924.5	2611.7	2378.9	2375.3	2611.7	2924.5	2917.3	2946.4	3048.2
32.5°	3310.1	3084.6	2731.7	2517.1	2295.2	2291.6	2586.2	2837.2	2830.0	2870.0	2946.4
35°	3211.9	2920.9	2469.9	2408.0	2189.8	2193.4	2524.4	2735.4	2739.0	2775.4	2822.6
37.5°	3110.1	2779.1	2182.5	2288.0	2087.9	2087.9	2440.7	2640.9	2633.5	2644.4	2710.0
40°	2990.0	2557.2	1927.9	2131.5	1993.3	1982.4	2338.9	2539.0	2513.5	2509.9	2600.8
42.5°	2862.7	2313.4	1738.8	1924.2	1884.2	1869.6	2215.2	2415.3	2368.0	2378.9	2495.3
45°	2724.5	2248.0	1593.2	1626.0	1771.4	1760.5	2080.6	2273.4	2240.6	2269.8	2389.9
47.5°	2586.2	2117.0	1545.9	1349.5	1651.4	1647.8	1931.5	2135.2	2117.0	2146.1	2273.4
50°	2397.1	1971.5	1542.3	1156.8	1516.9	1531.4	1753.3	2000.6	2000.6	2026.1	2160.6
52.5°	2153.4	1793.3	1400.4	1047.5	1360.4	1404.1	1596.9	1884.2	1891.5	1917.0	2037.0
55°	1931.5	1607.8	1298.5	963.9	1174.9	1269.4	1444.1	1764.2	1778.8	1804.2	1913.3
57.5°	1727.8	1338.5	1276.8	865.8	1004.0	1094.9	1309.5	1647.8	1655.1	1676.9	1782.3
60°	1509.5	967.5	1171.3	760.2	854.8	923.9	1185.8	1509.5	1535.0	1549.5	1640.5
62.5°	1262.2	702.0	1062.1	687.4	782.1	796.7	1084.0	1378.6	1411.3	1422.2	1476.8
65°	898.4	589.3	902.1	625.7	705.7	709.3	974.9	1244.0	1273.1	1291.3	1331.3
67.5°	607.4	480.1	687.4	567.4	647.4	651.1	869.3	1087.6	1127.6	1142.2	1167.7
70°	422.0	320.1	509.2	505.6	582.0	589.3	756.6	945.8	982.1	993.0	1007.5
72.5°	309.2	258.2	422.0	454.7	512.9	520.1	640.2	785.7	822.1	833.0	840.2
75°	236.4	272.8	341.9	396.4	436.5	440.1	523.8	640.2	665.7	672.9	676.5
77.5°	189.1	254.7	251.0	320.1	356.4	349.2	411.0	494.7	516.5	516.5	516.5
80°	141.9	200.1	189.1	229.1	261.9	254.7	294.7	352.9	360.1	367.4	363.8
82.5°	105.4	127.3	127.3	145.5	174.6	167.3	196.4	229.1	229.1	229.1	236.4
85°	65.4	72.8	58.2	76.4	98.2	94.6	109.1	123.7	127.3	127.3	120.0
87.5°	40.0	32.8	18.2	29.1	43.7	43.7	50.9	54.6	50.9	50.9	50.9
90°	37.1	25.6	14.2	25.6	37.1	39.9	62.7	93.1	108.3	96.3	72.2
92.5°	250.9	153.9	57.0	153.9	250.9	275.1	386.8	535.7	610.1	534.6	383.9
95°	491.6	314.2	136.8	314.2	491.6	535.9	951.6	1506.0	1783.2	1591.2	1207.3
97.5°	549.6	393.0	236.6	393.0	549.6	588.7	1281.9	2206.2	2668.4	2547.1	2304.4
100°	597.4	455.5	313.6	455.5	597.4	632.9	1402.1	2427.9	2940.7	2949.6	2967.3
102.5°	643.9	511.6	379.2	511.6	643.9	677.1	1457.3	2497.5	3017.7	3172.2	3481.4
105°	714.6	602.5	490.3	602.5	714.6	742.7	1498.1	2505.4	3009.0	3355.6	4048.7
107.5°	813.4	708.9	604.4	708.9	813.4	839.6	1505.8	2394.0	2838.1	3321.4	4288.1
110°	870.2	775.7	681.4	775.7	870.2	893.7	1494.3	2295.1	2695.5	3235.9	4316.7



TEST NUMBER: P935656

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	936.8	846.8	756.9	846.8	936.8	959.3	1494.7	2208.8	2565.8	3118.9	4225.0
115°	1036.9	953.9	870.9	953.9	1036.9	1057.6	1508.6	2109.8	2410.4	2943.2	4008.8
117.5°	1134.4	1058.9	983.6	1058.9	1134.4	1153.2	1536.6	2047.8	2303.5	2784.4	3746.0
120°	1191.1	1120.0	1049.1	1120.0	1191.1	1208.8	1559.4	2027.0	2260.7	2700.1	3578.8
122.5°	1256.4	1184.8	1113.3	1184.8	1256.4	1274.3	1592.2	2016.1	2228.0	2623.6	3414.8
125°	1342.1	1276.9	1211.6	1276.9	1342.1	1358.5	1636.4	2007.0	2192.3	2528.3	3200.6
127.5°	1423.3	1357.4	1291.5	1357.4	1423.3	1439.7	1680.6	2001.8	2162.4	2450.9	3028.0
130°	1476.1	1405.2	1334.2	1405.2	1476.1	1493.8	1712.9	2005.0	2151.0	2407.8	2921.7
132.5°	1520.3	1449.3	1378.4	1449.3	1520.3	1538.1	1739.0	2007.0	2141.0	2371.0	2830.9
135°	1573.2	1508.6	1444.0	1508.6	1573.2	1589.4	1767.6	2005.2	2123.9	2316.5	2701.7
137.5°	1638.9	1574.9	1511.0	1574.9	1638.9	1654.9	1810.2	2017.5	2121.1	2283.9	2609.5
140°	1684.3	1625.4	1566.5	1625.4	1684.3	1699.1	1836.4	2019.5	2111.1	2251.7	2532.9
142.5°	1718.3	1663.8	1609.3	1663.8	1718.3	1731.9	1858.2	2026.8	2111.1	2234.6	2481.7
145°	1770.0	1722.4	1674.9	1722.4	1770.0	1781.8	1886.8	2026.8	2096.8	2197.9	2400.0
147.5°	1832.9	1786.7	1740.4	1786.7	1832.9	1844.5	1928.6	2040.8	2096.8	2176.3	2335.4
150°	1866.9	1825.0	1783.2	1825.0	1866.9	1877.3	1950.5	2048.0	2096.8	2164.0	2298.3
152.5°	1890.8	1859.1	1827.4	1859.1	1890.8	1898.7	1964.8	2052.8	2096.8	2154.2	2268.8
155°	1939.8	1916.4	1892.9	1916.4	1939.8	1945.7	1996.1	2063.3	2096.8	2142.5	2233.7
157.5°	1987.1	1964.2	1941.5	1964.2	1987.1	1992.8	2027.5	2073.7	2096.8	2132.3	2203.2
160°	2009.8	1991.9	1974.2	1991.9	2009.8	2014.2	2041.7	2078.5	2096.8	2127.2	2188.1
162.5°	2033.6	2020.3	2007.0	2020.3	2033.6	2036.9	2056.9	2083.5	2096.8	2122.5	2173.8
165°	2066.6	2054.6	2042.6	2054.6	2066.6	2069.7	2078.8	2090.8	2096.8	2115.2	2151.9
167.5°	2086.8	2081.1	2075.5	2081.1	2086.8	2088.2	2095.8	2106.0	2111.1	2123.1	2147.1
170°	2108.2	2102.5	2096.8	2102.5	2108.2	2109.6	2110.1	2110.7	2111.1	2123.1	2147.1
172.5°	2110.8	2109.5	2108.2	2109.5	2110.8	2111.1	2111.1	2111.1	2111.1	2120.6	2139.6
175°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2119.6	2113.9	2111.1	2117.1	2129.1
177.5°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2120.6	2116.1	2113.9	2118.7	2128.1
180°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9



TEST NUMBER: P935656

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3710.2	3699.3	3713.8	3673.8	3713.8	3699.3	3710.2	3735.7	3713.8	3728.4	3743.0
5°	3255.5	3237.4	3179.2	3131.9	3179.2	3237.4	3255.5	3332.0	3368.3	3433.7	3521.1
7.5°	2910.0	2895.4	2880.9	2851.7	2880.9	2895.4	2910.0	2931.8	2968.2	3026.4	3091.9
10°	2833.6	2837.2	2859.1	2855.4	2859.1	2837.2	2833.6	2826.3	2815.4	2826.3	2866.3
12.5°	3030.0	3062.7	3182.7	3175.5	3182.7	3062.7	3030.0	2884.5	2786.3	2768.1	2775.4
15°	3255.5	3266.4	3292.0	3295.5	3292.0	3266.4	3255.5	3197.3	2902.7	2775.4	2735.4
17.5°	3277.4	3281.0	3299.2	3299.2	3299.2	3281.0	3277.4	3251.9	3153.7	2982.7	2757.2
20°	3259.2	3266.4	3302.8	3310.1	3302.8	3266.4	3259.2	3226.4	3171.9	3110.1	2939.1
22.5°	3251.9	3266.4	3295.5	3292.0	3295.5	3266.4	3251.9	3201.0	3153.7	3110.1	3041.0
25°	3215.5	3215.5	3219.2	3222.8	3219.2	3215.5	3215.5	3175.5	3081.0	3070.1	3030.0
27.5°	3139.2	3146.4	3168.3	3164.6	3168.3	3146.4	3139.2	3124.6	3022.7	3011.9	2982.7
30°	3070.1	3062.7	3044.5	3030.0	3044.5	3062.7	3070.1	3048.2	2946.4	2917.3	2924.5
32.5°	2953.6	2935.4	2917.3	2906.3	2917.3	2935.4	2953.6	2946.4	2870.0	2830.0	2837.2
35°	2815.4	2819.1	2815.4	2804.5	2815.4	2819.1	2815.4	2822.6	2775.4	2739.0	2735.4
37.5°	2717.2	2724.5	2720.9	2706.3	2720.9	2724.5	2717.2	2710.0	2644.4	2633.5	2640.9
40°	2615.3	2619.0	2615.3	2604.4	2615.3	2619.0	2615.3	2600.8	2509.9	2513.5	2539.0
42.5°	2517.1	2513.5	2502.6	2495.3	2502.6	2513.5	2517.1	2495.3	2378.9	2368.0	2415.3
45°	2404.4	2408.0	2386.2	2375.3	2386.2	2408.0	2404.4	2389.9	2269.8	2240.6	2273.4
47.5°	2291.6	2291.6	2273.4	2262.5	2273.4	2291.6	2291.6	2273.4	2146.1	2117.0	2135.2
50°	2171.5	2168.0	2142.5	2138.9	2142.5	2168.0	2171.5	2160.6	2026.1	2000.6	2000.6
52.5°	2033.3	2033.3	2037.0	2044.3	2037.0	2033.3	2033.3	2037.0	1917.0	1891.5	1884.2
55°	1913.3	1917.0	1942.4	1949.6	1942.4	1917.0	1913.3	1913.3	1804.2	1778.8	1764.2
57.5°	1789.6	1789.6	1807.9	1807.9	1807.9	1789.6	1789.6	1782.3	1676.9	1655.1	1647.8
60°	1647.8	1655.1	1669.6	1666.0	1669.6	1655.1	1647.8	1640.5	1549.5	1535.0	1509.5
62.5°	1498.6	1505.9	1509.5	1502.3	1509.5	1505.9	1498.6	1476.8	1422.2	1411.3	1378.6
65°	1342.2	1349.5	1353.1	1345.9	1353.1	1349.5	1342.2	1331.3	1291.3	1273.1	1244.0
67.5°	1182.2	1178.5	1174.9	1189.4	1174.9	1178.5	1182.2	1167.7	1142.2	1127.6	1087.6
70°	1018.5	1018.5	1014.9	1022.1	1014.9	1018.5	1018.5	1007.5	993.0	982.1	945.8
72.5°	843.9	840.2	854.8	843.9	854.8	840.2	843.9	840.2	833.0	822.1	785.7
75°	672.9	680.2	672.9	683.9	672.9	680.2	672.9	676.5	672.9	665.7	640.2
77.5°	512.9	520.1	512.9	512.9	512.9	520.1	512.9	516.5	516.5	516.5	494.7
80°	363.8	360.1	360.1	356.4	360.1	360.1	363.8	363.8	367.4	360.1	352.9
82.5°	232.8	229.1	229.1	236.4	229.1	229.1	232.8	236.4	229.1	229.1	229.1
85°	127.3	131.0	123.7	123.7	123.7	131.0	127.3	120.0	127.3	127.3	123.7
87.5°	47.3	43.7	43.7	43.7	43.7	43.7	47.3	50.9	50.9	50.9	54.6
90°	54.1	54.1	54.1	54.1	54.1	54.1	54.1	72.2	96.3	108.3	93.1
92.5°	270.8	260.1	216.9	173.9	216.9	260.1	270.8	383.9	534.6	610.1	535.7
95°	919.4	886.8	756.3	625.8	756.3	886.8	919.4	1207.3	1591.2	1783.2	1506.0
97.5°	2122.4	2060.3	1812.0	1563.7	1812.0	2060.3	2122.4	2304.4	2547.1	2668.4	2206.2
100°	2980.6	2906.6	2610.8	2314.9	2610.8	2906.6	2980.6	2967.3	2949.6	2940.7	2427.9
102.5°	3713.3	3649.9	3396.5	3143.1	3396.5	3649.9	3713.3	3481.4	3172.2	3017.7	2497.5
105°	4568.5	4534.4	4398.2	4262.1	4398.2	4534.4	4568.5	4048.7	3355.6	3009.0	2505.4
107.5°	5013.2	5021.4	5054.4	5087.3	5054.4	5021.4	5013.2	4288.1	3321.4	2838.1	2394.0
110°	5127.3	5162.8	5304.6	5446.5	5304.6	5162.8	5127.3	4316.7	3235.9	2695.5	2295.1



TEST NUMBER: P935656

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5054.6	5109.1	5326.9	5544.9	5326.9	5109.1	5054.6	4225.0	3118.9	2565.8	2208.8
115°	4808.0	4883.5	5185.7	5487.9	5185.7	4883.5	4808.0	4008.8	2943.2	2410.4	2109.8
117.5°	4467.2	4551.0	4886.2	5221.3	4886.2	4551.0	4467.2	3746.0	2784.4	2303.5	2047.8
120°	4237.8	4319.2	4644.8	4970.4	4644.8	4319.2	4237.8	3578.8	2700.1	2260.7	2027.0
122.5°	4008.3	4088.6	4409.8	4731.0	4409.8	4088.6	4008.3	3414.8	2623.6	2228.0	2016.1
125°	3704.6	3778.6	4074.5	4370.3	4074.5	3778.6	3704.6	3200.6	2528.3	2192.3	2007.0
127.5°	3460.9	3523.3	3772.9	4022.5	3772.9	3523.3	3460.9	3028.0	2450.9	2162.4	2001.8
130°	3307.0	3364.6	3595.3	3825.9	3595.3	3364.6	3307.0	2921.7	2407.8	2151.0	2005.0
132.5°	3175.9	3227.5	3434.0	3640.5	3434.0	3227.5	3175.9	2830.9	2371.0	2141.0	2007.0
135°	2990.6	3035.1	3213.0	3391.1	3213.0	3035.1	2990.6	2701.7	2316.5	2123.9	2005.2
137.5°	2853.7	2890.1	3035.8	3181.6	3035.8	2890.1	2853.7	2609.5	2283.9	2121.1	2017.5
140°	2743.9	2778.0	2914.2	3050.4	2914.2	2778.0	2743.9	2532.9	2251.7	2111.1	2019.5
142.5°	2667.0	2696.3	2813.5	2930.7	2813.5	2696.3	2667.0	2481.7	2234.6	2111.1	2026.8
145°	2551.5	2573.7	2662.3	2751.1	2662.3	2573.7	2551.5	2400.0	2197.9	2096.8	2026.8
147.5°	2454.6	2472.9	2546.4	2619.9	2546.4	2472.9	2454.6	2335.4	2176.3	2096.8	2040.8
150°	2398.9	2413.8	2473.5	2533.0	2473.5	2413.8	2398.9	2298.3	2164.0	2096.8	2048.0
152.5°	2354.8	2366.1	2411.1	2456.0	2411.1	2366.1	2354.8	2268.8	2154.2	2096.8	2052.8
155°	2302.0	2309.5	2339.3	2369.0	2339.3	2309.5	2302.0	2233.7	2142.5	2096.8	2063.3
157.5°	2256.4	2261.7	2282.6	2303.5	2282.6	2261.7	2256.4	2203.2	2132.3	2096.8	2073.7
160°	2233.7	2236.7	2248.7	2260.7	2248.7	2236.7	2233.7	2188.1	2127.2	2096.8	2078.5
162.5°	2212.3	2215.1	2226.5	2237.9	2226.5	2215.1	2212.3	2173.8	2122.5	2096.8	2083.5
165°	2179.4	2182.5	2194.5	2206.6	2194.5	2182.5	2179.4	2151.9	2115.2	2096.8	2090.8
167.5°	2165.2	2166.5	2171.5	2176.6	2171.5	2166.5	2165.2	2147.1	2123.1	2111.1	2106.0
170°	2165.2	2165.2	2165.2	2165.2	2165.2	2165.2	2165.2	2147.1	2123.1	2111.1	2110.7
172.5°	2153.8	2152.7	2148.2	2143.8	2148.2	2152.7	2153.8	2139.6	2120.6	2111.1	2111.1
175°	2138.1	2138.1	2138.1	2138.1	2138.1	2138.1	2138.1	2129.1	2117.1	2111.1	2113.9
177.5°	2135.3	2134.0	2129.0	2123.9	2129.0	2134.0	2135.3	2128.1	2118.7	2113.9	2116.1
180°	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9	2123.9



TEST NUMBER: P935656

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3844.8	3844.8	3844.8	3844.8	3844.8
2.5°	3797.5	3815.7	3826.6	3841.2	3877.5
5°	3652.1	3721.2	3743.0	3797.5	3863.0
7.5°	3332.0	3542.9	3601.1	3732.1	3833.9
10°	3022.7	3233.7	3335.5	3644.7	3797.5
12.5°	2866.3	2990.0	3059.1	3492.0	3746.6
15°	2768.1	2855.4	2906.3	3288.3	3688.4
17.5°	2691.7	2753.5	2790.0	3088.2	3608.4
20°	2644.4	2673.5	2706.3	2942.7	3517.4
22.5°	2611.7	2593.5	2619.0	2840.9	3393.7
25°	2589.9	2520.8	2549.9	2760.9	3248.3
27.5°	2608.1	2455.3	2466.2	2688.1	3095.5
30°	2611.7	2375.3	2378.9	2611.7	2924.5
32.5°	2586.2	2291.6	2295.2	2517.1	2731.7
35°	2524.4	2193.4	2189.8	2408.0	2469.9
37.5°	2440.7	2087.9	2087.9	2288.0	2182.5
40°	2338.9	1982.4	1993.3	2131.5	1927.9
42.5°	2215.2	1869.6	1884.2	1924.2	1738.8
45°	2080.6	1760.5	1771.4	1626.0	1593.2
47.5°	1931.5	1647.8	1651.4	1349.5	1545.9
50°	1753.3	1531.4	1516.9	1156.8	1542.3
52.5°	1596.9	1404.1	1360.4	1047.5	1400.4
55°	1444.1	1269.4	1174.9	963.9	1298.5
57.5°	1309.5	1094.9	1004.0	865.8	1276.8
60°	1185.8	923.9	854.8	760.2	1171.3
62.5°	1084.0	796.7	782.1	687.4	1062.1
65°	974.9	709.3	705.7	625.7	902.1
67.5°	869.3	651.1	647.4	567.4	687.4
70°	756.6	589.3	582.0	505.6	509.2
72.5°	640.2	520.1	512.9	454.7	422.0
75°	523.8	440.1	436.5	396.4	341.9
77.5°	411.0	349.2	356.4	320.1	251.0
80°	294.7	254.7	261.9	229.1	189.1
82.5°	196.4	167.3	174.6	145.5	127.3
85°	109.1	94.6	98.2	76.4	58.2
87.5°	50.9	43.7	43.7	29.1	18.2
90°	62.7	39.9	37.1	25.6	14.2
92.5°	386.8	275.1	250.9	153.9	57.0
95°	951.6	535.9	491.6	314.2	136.8
97.5°	1281.9	588.7	549.6	393.0	236.6
100°	1402.1	632.9	597.4	455.5	313.6
102.5°	1457.3	677.1	643.9	511.6	379.2
105°	1498.1	742.7	714.6	602.5	490.3
107.5°	1505.8	839.6	813.4	708.9	604.4
110°	1494.3	893.7	870.2	775.7	681.4



TEST NUMBER: P935656

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

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1494.7	959.3	936.8	846.8	756.9
115°	1508.6	1057.6	1036.9	953.9	870.9
117.5°	1536.6	1153.2	1134.4	1058.9	983.6
120°	1559.4	1208.8	1191.1	1120.0	1049.1
122.5°	1592.2	1274.3	1256.4	1184.8	1113.3
125°	1636.4	1358.5	1342.1	1276.9	1211.6
127.5°	1680.6	1439.7	1423.3	1357.4	1291.5
130°	1712.9	1493.8	1476.1	1405.2	1334.2
132.5°	1739.0	1538.1	1520.3	1449.3	1378.4
135°	1767.6	1589.4	1573.2	1508.6	1444.0
137.5°	1810.2	1654.9	1638.9	1574.9	1511.0
140°	1836.4	1699.1	1684.3	1625.4	1566.5
142.5°	1858.2	1731.9	1718.3	1663.8	1609.3
145°	1886.8	1781.8	1770.0	1722.4	1674.9
147.5°	1928.6	1844.5	1832.9	1786.7	1740.4
150°	1950.5	1877.3	1866.9	1825.0	1783.2
152.5°	1964.8	1898.7	1890.8	1859.1	1827.4
155°	1996.1	1945.7	1939.8	1916.4	1892.9
157.5°	2027.5	1992.8	1987.1	1964.2	1941.5
160°	2041.7	2014.2	2009.8	1991.9	1974.2
162.5°	2056.9	2036.9	2033.6	2020.3	2007.0
165°	2078.8	2069.7	2066.6	2054.6	2042.6
167.5°	2095.8	2088.2	2086.8	2081.1	2075.5
170°	2110.1	2109.6	2108.2	2102.5	2096.8
172.5°	2111.1	2111.1	2110.8	2109.5	2108.2
175°	2119.6	2123.9	2123.9	2123.9	2123.9
177.5°	2120.6	2123.9	2123.9	2123.9	2123.9
180°	2123.9	2123.9	2123.9	2123.9	2123.9



TEST NUMBER: P935656
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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	12.63	13.42	13.65	14.45	15.83	15.48	16.27	16.50	17.30	18.69
	3H	13.10	13.81	14.13	14.85	16.25	16.83	17.54	17.86	18.58	19.98
	4H	13.29	13.96	14.33	15.00	16.41	17.27	17.95	18.32	18.99	20.40
	6H	13.40	14.02	14.46	15.07	16.49	17.56	18.18	18.61	19.23	20.65
	8H	13.40	13.99	14.46	15.06	16.47	17.63	18.22	18.69	19.29	20.70
	12H	13.37	13.93	14.44	14.99	16.43	17.67	18.23	18.74	19.29	20.73
4H	2H	13.66	14.33	14.71	15.37	16.78	15.88	16.55	16.93	17.60	19.00
	3H	14.68	15.24	15.74	16.31	17.73	17.39	17.95	18.45	19.02	20.44
	4H	14.95	15.47	16.02	16.53	17.97	17.92	18.43	18.98	19.49	20.93
	6H	15.07	15.51	16.15	16.60	18.04	18.28	18.72	19.36	19.81	21.25
	8H	15.08	15.49	16.15	16.57	18.02	18.39	18.80	19.47	19.88	21.33
	12H	15.04	15.41	16.13	16.50	17.96	18.45	18.82	19.54	19.91	21.37
8H	4H	15.40	15.82	16.48	16.89	18.35	18.03	18.45	19.11	19.52	20.98
	6H	15.66	16.00	16.76	17.12	18.57	18.47	18.81	19.57	19.93	21.38
	8H	15.70	16.00	16.81	17.10	18.57	18.63	18.93	19.73	20.03	21.50
	12H	15.68	15.95	16.79	17.04	18.55	18.73	18.99	19.84	20.09	21.60
12H	4H	15.41	15.78	16.50	16.87	18.33	17.99	18.37	19.09	19.46	20.92
	6H	15.72	16.02	16.83	17.12	18.59	18.47	18.77	19.57	19.87	21.34
	8H	15.79	16.05	16.90	17.15	18.66	18.63	18.89	19.74	19.99	21.50