

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: P936153

Luminaire Tested: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936153
REPORT IS A COMBINATION OF REPORTS P933781 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-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

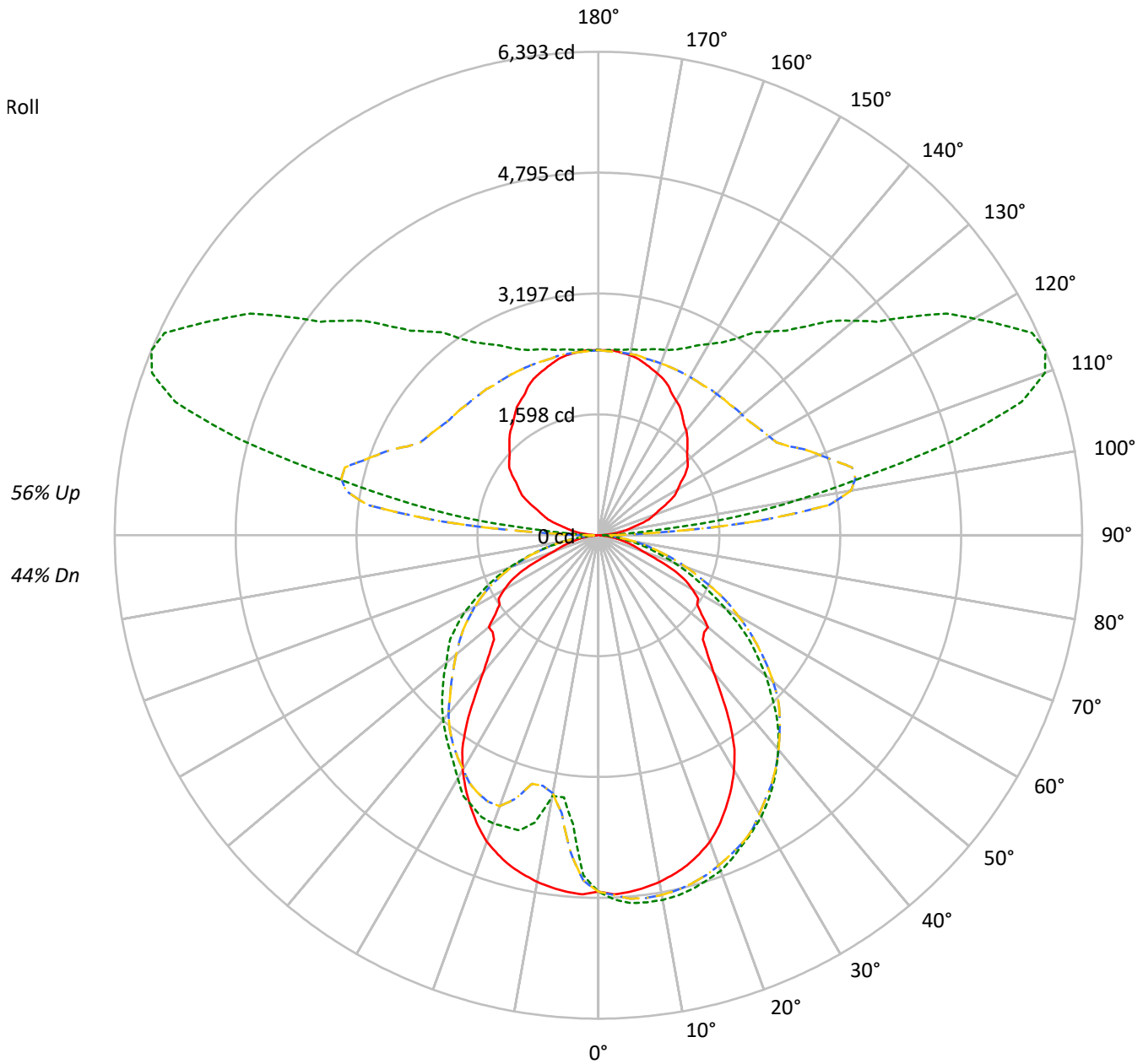
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28103.0 lumens
Efficiency: N/A
Efficacy: 112.6 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): 249.6
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

TEST NUMBER: P936153
CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P936153

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	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
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	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
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	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
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	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
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	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
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11	11	11	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14578	14578	14578	14578
5°	14692	14715	14692	11571
10°	14599	14495	14599	10363
15°	14445	14181	14445	11842
20°	14149	13809	14149	11866
25°	13536	13267	13536	11615
30°	12742	12816	12742	11063
35°	11365	12246	11365	10456
40°	9476	11575	9476	9997
45°	8472	10790	8472	9470
50°	9008	9854	9008	8941
55°	8482	8845	8482	8635
60°	8756	7512	8756	7909
65°	7951	6210	7951	6941
70°	5519	4949	5519	5818
75°	4857	3658	4857	4381
80°	3944	2418	3944	2634
85°	2310	1281	2310	1089

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12977 cd/sqm



TEST NUMBER: P936153

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.4	1.5
10°-20°	1207.9	4.3
20°-30°	1867.2	6.6
30°-40°	2229.0	7.9
40°-50°	2242.1	8.0
50°-60°	1950.9	6.9
60°-70°	1383.2	4.9
70°-80°	731.8	2.6
80°-90°	191.6	0.7
90°-100°	1193.6	4.2
100°-110°	3138.1	11.2
110°-120°	3253.8	11.6
120°-130°	2610.0	9.3
130°-140°	2047.9	7.3
140°-150°	1571.8	5.6
150°-160°	1132.0	4.0
160°-170°	692.6	2.5
170°-180°	234.0	0.8
0°-30°	3500.5	12.5
0°-40°	5729.5	20.4
0°-60°	9922.5	35.3
0°-90°	12229.1	43.5
90°-120°	7585.5	27.0
90°-150°	13815.2	49.2
90°-180°	15874.0	56.5
0°-180°	28103.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4713	4713	4713	4713	4713	
5°	4735	4882	4735	3839	4735	449
15°	4521	4838	4521	4040	4521	1272
25°	3982	4512	3982	3950	3982	1828
35°	3028	4026	3028	3438	3028	1873
45°	1953	3317	1953	2912	1953	1564
55°	1592	2448	1592	2390	1592	1463
65°	1106	1476	1106	1650	1106	1057
75°	419	700	419	838	419	441
85°	71	178	71	152	71	96
90°	16	62	16	62	16	17
95°	158	721	158	721	158	175
105°	565	4914	565	4914	565	599
115°	1004	6327	1004	6327	1004	992
125°	1397	5039	1397	5039	1397	1240
135°	1665	3910	1665	3910	1665	1288
145°	1931	3172	1931	3172	1931	1210
155°	2182	2731	2182	2731	2182	1003
165°	2355	2544	2355	2544	2355	665
175°	2449	2465	2449	2465	2449	232
180°	2449	2449	2449	2449	2449	



TEST NUMBER: P936153
 CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4753.1	4753.1	4779.8	4788.8	4788.8	4775.3	4762.0	4775.3	4815.5	4828.9	4824.4
5°	4735.2	4770.9	4819.9	4828.9	4837.8	4833.3	4824.4	4833.3	4877.9	4886.9	4891.3
7.5°	4699.5	4766.5	4828.9	4842.2	4855.6	4842.2	4837.8	4846.7	4891.3	4900.2	4900.2
10°	4655.0	4748.6	4819.9	4828.9	4842.2	4828.9	4828.9	4846.7	4891.3	4900.2	4904.7
12.5°	4592.5	4721.8	4788.8	4797.6	4815.5	4811.0	4806.6	4824.4	4868.9	4877.9	4877.9
15°	4521.2	4672.8	4735.2	4744.1	4775.3	4766.5	4766.5	4784.3	4833.3	4846.7	4842.2
17.5°	4423.1	4610.4	4681.7	4695.1	4717.4	4713.0	4717.4	4735.2	4779.8	4788.8	4793.2
20°	4311.7	4525.6	4610.4	4623.7	4646.0	4646.0	4646.0	4668.3	4713.0	4730.8	4730.8
22.5°	4160.1	4436.5	4525.6	4534.6	4561.4	4561.4	4570.2	4601.4	4641.6	4646.0	4646.0
25°	3981.7	4338.4	4414.2	4441.0	4467.7	4481.1	4494.4	4512.3	4525.6	4521.2	4525.6
27.5°	3794.4	4213.6	4311.7	4329.5	4365.2	4378.5	4396.3	4400.8	4405.3	4418.6	4409.8
30°	3584.9	4039.7	4186.8	4204.6	4262.6	4271.5	4253.7	4262.6	4284.9	4293.8	4302.7
32.5°	3348.5	3781.1	4057.5	4097.6	4151.1	4124.4	4119.9	4133.3	4168.9	4168.9	4177.9
35°	3027.5	3580.4	3937.1	3972.7	4012.9	3981.7	3999.5	4004.0	4026.3	4039.7	4035.2
37.5°	2675.3	3406.5	3812.3	3839.1	3870.2	3830.1	3856.9	3870.2	3888.1	3879.1	3879.1
40°	2363.2	3134.5	3665.2	3683.0	3709.7	3678.5	3705.3	3714.2	3723.1	3714.2	3709.7
42.5°	2131.3	2835.8	3509.1	3531.4	3513.6	3535.8	3544.7	3562.6	3549.2	3531.4	3531.4
45°	1952.9	2755.5	3339.7	3366.4	3339.7	3375.3	3388.7	3388.7	3348.5	3339.7	3335.2
47.5°	1895.0	2595.0	3170.2	3170.2	3156.8	3201.4	3223.7	3192.4	3152.4	3139.0	3139.0
50°	1890.5	2416.6	2938.4	2920.5	2982.9	3036.5	3014.2	2982.9	2951.7	2902.7	2902.7
52.5°	1716.6	2198.2	2639.6	2706.5	2804.6	2835.8	2800.1	2768.9	2715.4	2693.1	2675.3
55°	1591.7	1970.8	2367.6	2501.4	2603.9	2644.0	2577.2	2545.9	2465.7	2452.3	2443.4
57.5°	1565.0	1640.8	2117.9	2287.4	2412.2	2407.8	2367.6	2309.7	2242.7	2229.4	2224.9
60°	1435.8	1186.1	1850.4	2051.0	2180.4	2166.9	2131.3	2077.8	2015.3	2006.5	1997.5
62.5°	1302.0	860.6	1547.2	1774.6	1957.4	1952.9	1921.7	1841.4	1796.9	1774.6	1756.8
65°	1105.8	722.3	1101.3	1475.9	1738.9	1747.8	1681.0	1623.0	1573.9	1547.2	1542.7
67.5°	842.7	588.5	744.6	1230.6	1529.4	1520.4	1435.8	1409.0	1346.5	1333.2	1306.4
70°	624.2	392.3	517.2	998.8	1324.2	1302.0	1235.1	1203.9	1145.9	1114.7	1096.8
72.5°	517.2	316.5	379.0	775.8	1114.7	1088.0	1030.0	994.3	945.2	918.5	900.7
75°	419.1	334.4	289.8	575.2	905.1	887.3	833.8	798.1	758.0	722.3	726.8
77.5°	307.7	312.1	231.9	423.6	717.8	691.1	659.9	615.3	597.5	561.8	561.8
80°	231.9	245.2	173.9	289.8	517.2	517.2	490.4	459.3	428.1	410.2	410.2
82.5°	156.1	156.1	129.3	182.8	352.3	338.8	321.0	312.1	294.3	285.4	285.4
85°	71.3	89.1	80.3	111.5	191.7	200.6	200.6	191.7	187.3	178.4	182.8
87.5°	22.3	40.1	49.0	62.4	98.1	102.6	107.0	107.0	107.0	111.5	111.5
90°	16.4	29.6	42.8	46.0	72.3	107.3	124.9	111.0	83.3	62.4	62.4
92.5°	65.7	177.4	289.2	317.2	445.9	617.5	703.3	616.4	442.6	312.2	299.9
95°	157.7	362.2	566.8	617.9	1097.3	1736.4	2055.9	1834.6	1392.0	1060.0	1022.4
97.5°	272.8	453.2	633.6	678.8	1478.0	2543.6	3076.4	2936.6	2656.9	2447.0	2375.5
100°	361.5	525.1	688.8	729.7	1616.6	2799.1	3390.3	3400.5	3421.0	3436.4	3351.1
102.5°	437.1	589.8	742.4	780.6	1680.1	2879.4	3479.1	3657.3	4013.7	4281.1	4208.0
105°	565.4	694.6	823.9	856.3	1727.3	2888.6	3469.2	3868.7	4667.8	5267.1	5227.8
107.5°	696.8	817.3	937.8	968.0	1736.0	2760.0	3272.0	3829.3	4943.9	5779.8	5789.3
110°	785.6	894.4	1003.2	1030.4	1722.9	2646.1	3107.7	3730.8	4976.8	5911.3	5952.2



TEST NUMBER: P936153

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	872.7	976.4	1080.1	1106.0	1723.4	2546.5	2958.1	3595.8	4871.1	5827.5	5890.3
115°	1004.2	1099.8	1195.5	1219.4	1739.3	2432.5	2779.0	3393.3	4621.8	5543.2	5630.3
117.5°	1134.0	1220.8	1307.8	1329.5	1771.5	2361.0	2655.7	3210.1	4318.9	5150.4	5247.1
120°	1209.5	1291.4	1373.1	1393.6	1797.9	2336.9	2606.4	3113.0	4126.0	4885.8	4979.7
122.5°	1283.5	1366.0	1448.6	1469.2	1835.7	2324.3	2568.7	3024.8	3937.1	4621.3	4713.8
125°	1396.9	1472.1	1547.4	1566.2	1886.7	2314.0	2527.6	2915.1	3690.0	4271.2	4356.5
127.5°	1488.9	1564.9	1640.8	1659.8	1937.5	2307.9	2493.1	2825.8	3491.2	3990.2	4062.1
130°	1538.3	1620.0	1701.8	1722.3	1974.8	2311.5	2479.9	2776.0	3368.5	3812.7	3879.2
132.5°	1589.2	1671.0	1752.7	1773.2	2004.9	2313.9	2468.4	2733.5	3263.9	3661.5	3721.1
135°	1664.7	1739.2	1813.8	1832.4	2037.8	2311.8	2448.7	2670.7	3114.8	3447.9	3499.2
137.5°	1742.0	1815.8	1889.6	1908.0	2087.1	2325.9	2445.4	2633.1	3008.5	3290.1	3332.1
140°	1806.1	1874.0	1942.0	1959.0	2117.2	2328.3	2433.9	2596.0	2920.4	3163.6	3202.8
142.5°	1855.4	1918.2	1981.0	1996.7	2142.4	2336.7	2433.9	2576.3	2861.2	3074.8	3108.7
145°	1931.0	1985.8	2040.6	2054.3	2175.3	2336.7	2417.4	2533.9	2766.9	2941.7	2967.3
147.5°	2006.6	2059.9	2113.2	2126.5	2223.5	2352.8	2417.4	2509.1	2692.4	2830.0	2851.1
150°	2055.9	2104.1	2152.4	2164.4	2248.7	2361.2	2417.4	2494.9	2649.7	2765.9	2783.0
152.5°	2106.9	2143.4	2179.9	2189.0	2265.1	2366.7	2417.4	2483.6	2615.8	2714.9	2727.9
155°	2182.5	2209.5	2236.5	2243.3	2301.3	2378.7	2417.4	2470.0	2575.3	2654.1	2662.7
157.5°	2238.4	2264.6	2290.9	2297.5	2337.4	2390.7	2417.4	2458.4	2540.1	2601.5	2607.6
160°	2276.1	2296.6	2317.0	2322.1	2353.9	2396.3	2417.4	2452.5	2522.6	2575.2	2578.7
162.5°	2313.9	2329.3	2344.5	2348.4	2371.4	2402.1	2417.4	2447.0	2506.2	2550.6	2553.8
165°	2355.0	2368.9	2382.7	2386.3	2396.6	2410.5	2417.4	2438.6	2480.9	2512.7	2516.2
167.5°	2392.8	2399.4	2405.9	2407.6	2416.4	2428.1	2433.9	2447.7	2475.5	2496.3	2497.8
170°	2417.4	2424.0	2430.6	2432.3	2432.8	2433.5	2433.9	2447.7	2475.5	2496.3	2496.3
172.5°	2430.6	2432.0	2433.5	2433.9	2433.9	2433.9	2433.9	2444.8	2466.8	2483.2	2481.9
175°	2448.7	2448.7	2448.7	2448.7	2443.8	2437.2	2433.9	2440.8	2454.7	2465.1	2465.1
177.5°	2448.7	2448.7	2448.7	2448.7	2444.8	2439.7	2437.2	2442.6	2453.6	2461.8	2460.3
180°	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7



TEST NUMBER: P936153

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4833.3	4819.9	4833.3	4824.4	4828.9	4815.5	4775.3	4762.0	4775.3	4788.8	4788.8
5°	4891.3	4882.4	4891.3	4891.3	4886.9	4877.9	4833.3	4824.4	4833.3	4837.8	4828.9
7.5°	4909.1	4895.7	4909.1	4900.2	4900.2	4891.3	4846.7	4837.8	4842.2	4855.6	4842.2
10°	4909.1	4895.7	4909.1	4904.7	4900.2	4891.3	4846.7	4828.9	4828.9	4842.2	4828.9
12.5°	4886.9	4877.9	4886.9	4877.9	4877.9	4868.9	4824.4	4806.6	4811.0	4815.5	4797.6
15°	4851.1	4837.8	4851.1	4842.2	4846.7	4833.3	4784.3	4766.5	4766.5	4775.3	4744.1
17.5°	4797.6	4779.8	4797.6	4793.2	4788.8	4779.8	4735.2	4717.4	4713.0	4717.4	4695.1
20°	4735.2	4721.8	4735.2	4730.8	4730.8	4713.0	4668.3	4646.0	4646.0	4646.0	4623.7
22.5°	4637.2	4623.7	4637.2	4646.0	4646.0	4641.6	4601.4	4570.2	4561.4	4561.4	4534.6
25°	4525.6	4512.3	4525.6	4525.6	4521.2	4525.6	4512.3	4494.4	4481.1	4467.7	4441.0
27.5°	4418.6	4409.8	4418.6	4409.8	4418.6	4405.3	4400.8	4396.3	4378.5	4365.2	4329.5
30°	4311.7	4302.7	4311.7	4302.7	4293.8	4284.9	4262.6	4253.7	4271.5	4262.6	4204.6
32.5°	4177.9	4168.9	4177.9	4177.9	4168.9	4168.9	4133.3	4119.9	4124.4	4151.1	4097.6
35°	4039.7	4026.3	4039.7	4035.2	4039.7	4026.3	4004.0	3999.5	3981.7	4012.9	3972.7
37.5°	3879.1	3865.8	3879.1	3879.1	3879.1	3888.1	3870.2	3856.9	3830.1	3870.2	3839.1
40°	3714.2	3696.3	3714.2	3709.7	3714.2	3723.1	3714.2	3705.3	3678.5	3709.7	3683.0
42.5°	3526.9	3522.4	3526.9	3531.4	3531.4	3549.2	3562.6	3544.7	3535.8	3513.6	3531.4
45°	3326.2	3317.3	3326.2	3335.2	3339.7	3348.5	3388.7	3388.7	3375.3	3339.7	3366.4
47.5°	3112.3	3090.0	3112.3	3139.0	3139.0	3152.4	3192.4	3223.7	3201.4	3156.8	3170.2
50°	2884.9	2889.3	2884.9	2902.7	2902.7	2951.7	2982.9	3014.2	3036.5	2982.9	2920.5
52.5°	2661.9	2657.5	2661.9	2675.3	2693.1	2715.4	2768.9	2800.1	2835.8	2804.6	2706.5
55°	2439.0	2447.9	2439.0	2443.4	2452.3	2465.7	2545.9	2577.2	2644.0	2603.9	2501.4
57.5°	2216.0	2202.6	2216.0	2224.9	2229.4	2242.7	2309.7	2367.6	2407.8	2412.2	2287.4
60°	1957.4	1939.6	1957.4	1997.5	2006.5	2015.3	2077.8	2131.3	2166.9	2180.4	2051.0
62.5°	1730.0	1698.8	1730.0	1756.8	1774.6	1796.9	1841.4	1921.7	1952.9	1957.4	1774.6
65°	1489.2	1475.9	1489.2	1542.7	1547.2	1573.9	1623.0	1681.0	1747.8	1738.9	1475.9
67.5°	1270.7	1270.7	1270.7	1306.4	1333.2	1346.5	1409.0	1435.8	1520.4	1529.4	1230.6
70°	1070.1	1065.6	1070.1	1096.8	1114.7	1145.9	1203.9	1235.1	1302.0	1324.2	998.8
72.5°	878.4	873.9	878.4	900.7	918.5	945.2	994.3	1030.0	1088.0	1114.7	775.8
75°	709.0	700.0	709.0	726.8	722.3	758.0	798.1	833.8	887.3	905.1	575.2
77.5°	543.9	543.9	543.9	561.8	561.8	597.5	615.3	659.9	691.1	717.8	423.6
80°	405.8	401.3	405.8	410.2	410.2	428.1	459.3	490.4	517.2	517.2	289.8
82.5°	285.4	276.4	285.4	285.4	285.4	294.3	312.1	321.0	338.8	352.3	182.8
85°	178.4	178.4	178.4	182.8	178.4	187.3	191.7	200.6	200.6	191.7	111.5
87.5°	115.9	111.5	115.9	111.5	111.5	107.0	107.0	107.0	102.6	98.1	62.4
90°	62.4	62.4	62.4	62.4	62.4	83.3	111.0	124.9	107.3	72.3	46.0
92.5°	250.1	200.5	250.1	299.9	312.2	442.6	616.4	703.3	617.5	445.9	317.2
95°	871.9	721.4	871.9	1022.4	1060.0	1392.0	1834.6	2055.9	1736.4	1097.3	617.9
97.5°	2089.1	1802.8	2089.1	2375.5	2447.0	2656.9	2936.6	3076.4	2543.6	1478.0	678.8
100°	3010.0	2668.9	3010.0	3351.1	3436.4	3421.0	3400.5	3390.3	2799.1	1616.6	729.7
102.5°	3915.9	3623.7	3915.9	4208.0	4281.1	4013.7	3657.3	3479.1	2879.4	1680.1	780.6
105°	5070.9	4913.8	5070.9	5227.8	5267.1	4667.8	3868.7	3469.2	2888.6	1727.3	856.3
107.5°	5827.4	5865.3	5827.4	5789.3	5779.8	4943.9	3829.3	3272.0	2760.0	1736.0	968.0
110°	6115.9	6279.5	6115.9	5952.2	5911.3	4976.8	3730.8	3107.7	2646.1	1722.9	1030.4



TEST NUMBER: P936153

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6141.6	6392.9	6141.6	5890.3	5827.5	4871.1	3595.8	2958.1	2546.5	1723.4	1106.0
115°	5978.7	6327.1	5978.7	5630.3	5543.2	4621.8	3393.3	2779.0	2432.5	1739.3	1219.4
117.5°	5633.4	6019.8	5633.4	5247.1	5150.4	4318.9	3210.1	2655.7	2361.0	1771.5	1329.5
120°	5355.1	5730.6	5355.1	4979.7	4885.8	4126.0	3113.0	2606.4	2336.9	1797.9	1393.6
122.5°	5084.2	5454.5	5084.2	4713.8	4621.3	3937.1	3024.8	2568.7	2324.3	1835.7	1469.2
125°	4697.6	5038.7	4697.6	4356.5	4271.2	3690.0	2915.1	2527.6	2314.0	1886.7	1566.2
127.5°	4350.0	4637.7	4350.0	4062.1	3990.2	3491.2	2825.8	2493.1	2307.9	1937.5	1659.8
130°	4145.1	4410.9	4145.1	3879.2	3812.7	3368.5	2776.0	2479.9	2311.5	1974.8	1722.3
132.5°	3959.1	4197.2	3959.1	3721.1	3661.5	3263.9	2733.5	2468.4	2313.9	2004.9	1773.2
135°	3704.4	3909.7	3704.4	3499.2	3447.9	3114.8	2670.7	2448.7	2311.8	2037.8	1832.4
137.5°	3500.1	3668.0	3500.1	3332.1	3290.1	3008.5	2633.1	2445.4	2325.9	2087.1	1908.0
140°	3359.9	3516.9	3359.9	3202.8	3163.6	2920.4	2596.0	2433.9	2328.3	2117.2	1959.0
142.5°	3243.7	3378.8	3243.7	3108.7	3074.8	2861.2	2576.3	2433.9	2336.7	2142.4	1996.7
145°	3069.6	3171.8	3069.6	2967.3	2941.7	2766.9	2533.9	2417.4	2336.7	2175.3	2054.3
147.5°	2935.9	3020.6	2935.9	2851.1	2830.0	2692.4	2509.1	2417.4	2352.8	2223.5	2126.5
150°	2851.7	2920.4	2851.7	2783.0	2765.9	2649.7	2494.9	2417.4	2361.2	2248.7	2164.4
152.5°	2779.7	2831.6	2779.7	2727.9	2714.9	2615.8	2483.6	2417.4	2366.7	2265.1	2189.0
155°	2697.0	2731.3	2697.0	2662.7	2654.1	2575.3	2470.0	2417.4	2378.7	2301.3	2243.3
157.5°	2631.7	2655.7	2631.7	2607.6	2601.5	2540.1	2458.4	2417.4	2390.7	2337.4	2297.5
160°	2592.6	2606.4	2592.6	2578.7	2575.2	2522.6	2452.5	2417.4	2396.3	2353.9	2322.1
162.5°	2567.0	2580.2	2567.0	2553.8	2550.6	2506.2	2447.0	2417.4	2402.1	2371.4	2348.4
165°	2530.1	2544.0	2530.1	2516.2	2512.7	2480.9	2438.6	2417.4	2410.5	2396.6	2386.3
167.5°	2503.6	2509.5	2503.6	2497.8	2496.3	2475.5	2447.7	2433.9	2428.1	2416.4	2407.6
170°	2496.3	2496.3	2496.3	2496.3	2496.3	2475.5	2447.7	2433.9	2433.5	2432.8	2432.3
172.5°	2476.8	2471.7	2476.8	2481.9	2483.2	2466.8	2444.8	2433.9	2433.9	2433.9	2433.9
175°	2465.1	2465.1	2465.1	2465.1	2465.1	2454.7	2440.8	2433.9	2437.2	2443.8	2448.7
177.5°	2454.5	2448.7	2454.5	2460.3	2461.8	2453.6	2442.6	2437.2	2439.7	2444.8	2448.7
180°	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7



TEST NUMBER: P936153

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4779.8	4753.1	4753.1	4708.5	4690.7	4677.3	4655.0	4588.1	4570.2	4552.4	4579.2
5°	4819.9	4770.9	4735.2	4655.0	4588.1	4561.4	4476.6	4316.1	4209.1	4128.8	4084.3
7.5°	4828.9	4766.5	4699.5	4574.7	4414.2	4342.8	4084.3	3790.0	3709.7	3638.4	3593.7
10°	4819.9	4748.6	4655.0	4467.7	4088.7	3963.9	3705.3	3513.6	3464.5	3451.1	3464.5
12.5°	4788.8	4721.8	4592.5	4280.4	3749.8	3665.2	3513.6	3402.0	3393.1	3415.4	3535.8
15°	4735.2	4672.8	4521.2	4030.7	3562.6	3500.1	3393.1	3353.0	3402.0	3558.1	3919.2
17.5°	4681.7	4610.4	4423.1	3785.5	3419.9	3375.3	3299.5	3379.8	3656.2	3865.8	3986.2
20°	4610.4	4525.6	4311.7	3607.2	3317.3	3277.2	3241.5	3602.7	3812.3	3888.1	3954.9
22.5°	4525.6	4436.5	4160.1	3482.3	3210.4	3179.1	3201.4	3727.5	3812.3	3865.8	3923.7
25°	4414.2	4338.4	3981.7	3384.2	3125.6	3090.0	3174.6	3714.2	3763.2	3776.6	3892.5
27.5°	4311.7	4213.6	3794.4	3295.0	3023.0	3009.7	3196.9	3656.2	3691.9	3705.3	3830.1
30°	4186.8	4039.7	3584.9	3201.4	2916.0	2911.6	3201.4	3584.9	3575.9	3611.6	3736.5
32.5°	4057.5	3781.1	3348.5	3085.5	2813.5	2809.1	3170.2	3477.8	3468.9	3517.9	3611.6
35°	3937.1	3580.4	3027.5	2951.7	2684.2	2688.7	3094.4	3353.0	3357.5	3402.0	3460.0
37.5°	3812.3	3406.5	2675.3	2804.6	2559.4	2559.4	2991.8	3237.1	3228.2	3241.5	3321.8
40°	3665.2	3134.5	2363.2	2612.9	2443.4	2430.0	2867.0	3112.3	3081.0	3076.6	3188.1
42.5°	3509.1	2835.8	2131.3	2358.7	2309.7	2291.8	2715.4	2960.7	2902.7	2916.0	3058.7
45°	3339.7	2755.5	1952.9	1993.0	2171.4	2158.1	2550.4	2786.8	2746.6	2782.3	2929.4
47.5°	3170.2	2595.0	1895.0	1654.2	2024.3	2019.8	2367.6	2617.3	2595.0	2630.7	2786.8
50°	2938.4	2416.6	1890.5	1417.9	1859.3	1877.1	2149.1	2452.3	2452.3	2483.6	2648.5
52.5°	2639.6	2198.2	1716.6	1284.2	1667.5	1721.1	1957.4	2309.7	2318.5	2349.8	2496.9
55°	2367.6	1970.8	1591.7	1181.6	1440.2	1556.1	1770.1	2162.5	2180.4	2211.6	2345.3
57.5°	2117.9	1640.8	1565.0	1061.2	1230.6	1342.1	1605.2	2019.8	2028.8	2055.5	2184.8
60°	1850.4	1186.1	1435.8	931.9	1047.8	1132.6	1453.6	1850.4	1881.6	1899.4	2010.9
62.5°	1547.2	860.6	1302.0	842.7	958.7	976.5	1328.7	1689.9	1730.0	1743.3	1810.3
65°	1101.3	722.3	1105.8	766.9	865.0	869.4	1194.9	1524.9	1560.6	1582.9	1631.9
67.5°	744.6	588.5	842.7	695.5	793.6	798.1	1065.6	1333.2	1382.2	1400.1	1431.3
70°	517.2	392.3	624.2	619.7	713.4	722.3	927.4	1159.3	1203.9	1217.2	1235.1
72.5°	379.0	316.5	517.2	557.4	628.7	637.6	784.8	963.1	1007.7	1021.0	1030.0
75°	289.8	334.4	419.1	486.0	535.1	539.5	642.0	784.8	815.9	824.9	829.3
77.5°	231.9	312.1	307.7	392.3	437.0	428.1	503.9	606.4	633.2	633.2	633.2
80°	173.9	245.2	231.9	280.9	321.0	312.1	361.2	432.5	441.4	450.3	445.9
82.5°	129.3	156.1	156.1	178.4	214.0	205.1	240.7	280.9	280.9	280.9	289.8
85°	80.3	89.1	71.3	93.6	120.4	115.9	133.8	151.6	156.1	156.1	147.1
87.5°	49.0	40.1	22.3	35.7	53.5	53.5	62.4	66.8	62.4	62.4	62.4
90°	42.8	29.6	16.4	29.6	42.8	46.0	72.3	107.3	124.9	111.0	83.3
92.5°	289.2	177.4	65.7	177.4	289.2	317.2	445.9	617.5	703.3	616.4	442.6
95°	566.8	362.2	157.7	362.2	566.8	617.9	1097.3	1736.4	2055.9	1834.6	1392.0
97.5°	633.6	453.2	272.8	453.2	633.6	678.8	1478.0	2543.6	3076.4	2936.6	2656.9
100°	688.8	525.1	361.5	525.1	688.8	729.7	1616.6	2799.1	3390.3	3400.5	3421.0
102.5°	742.4	589.8	437.1	589.8	742.4	780.6	1680.1	2879.4	3479.1	3657.3	4013.7
105°	823.9	694.6	565.4	694.6	823.9	856.3	1727.3	2888.6	3469.2	3868.7	4667.8
107.5°	937.8	817.3	696.8	817.3	937.8	968.0	1736.0	2760.0	3272.0	3829.3	4943.9
110°	1003.2	894.4	785.6	894.4	1003.2	1030.4	1722.9	2646.1	3107.7	3730.8	4976.8



TEST NUMBER: P936153

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1080.1	976.4	872.7	976.4	1080.1	1106.0	1723.4	2546.5	2958.1	3595.8	4871.1
115°	1195.5	1099.8	1004.2	1099.8	1195.5	1219.4	1739.3	2432.5	2779.0	3393.3	4621.8
117.5°	1307.8	1220.8	1134.0	1220.8	1307.8	1329.5	1771.5	2361.0	2655.7	3210.1	4318.9
120°	1373.1	1291.4	1209.5	1291.4	1373.1	1393.6	1797.9	2336.9	2606.4	3113.0	4126.0
122.5°	1448.6	1366.0	1283.5	1366.0	1448.6	1469.2	1835.7	2324.3	2568.7	3024.8	3937.1
125°	1547.4	1472.1	1396.9	1472.1	1547.4	1566.2	1886.7	2314.0	2527.6	2915.1	3690.0
127.5°	1640.8	1564.9	1488.9	1564.9	1640.8	1659.8	1937.5	2307.9	2493.1	2825.8	3491.2
130°	1701.8	1620.0	1538.3	1620.0	1701.8	1722.3	1974.8	2311.5	2479.9	2776.0	3368.5
132.5°	1752.7	1671.0	1589.2	1671.0	1752.7	1773.2	2004.9	2313.9	2468.4	2733.5	3263.9
135°	1813.8	1739.2	1664.7	1739.2	1813.8	1832.4	2037.8	2311.8	2448.7	2670.7	3114.8
137.5°	1889.6	1815.8	1742.0	1815.8	1889.6	1908.0	2087.1	2325.9	2445.4	2633.1	3008.5
140°	1942.0	1874.0	1806.1	1874.0	1942.0	1959.0	2117.2	2328.3	2433.9	2596.0	2920.4
142.5°	1981.0	1918.2	1855.4	1918.2	1981.0	1996.7	2142.4	2336.7	2433.9	2576.3	2861.2
145°	2040.6	1985.8	1931.0	1985.8	2040.6	2054.3	2175.3	2336.7	2417.4	2533.9	2766.9
147.5°	2113.2	2059.9	2006.6	2059.9	2113.2	2126.5	2223.5	2352.8	2417.4	2509.1	2692.4
150°	2152.4	2104.1	2055.9	2104.1	2152.4	2164.4	2248.7	2361.2	2417.4	2494.9	2649.7
152.5°	2179.9	2143.4	2106.9	2143.4	2179.9	2189.0	2265.1	2366.7	2417.4	2483.6	2615.8
155°	2236.5	2209.5	2182.5	2209.5	2236.5	2243.3	2301.3	2378.7	2417.4	2470.0	2575.3
157.5°	2290.9	2264.6	2238.4	2264.6	2290.9	2297.5	2337.4	2390.7	2417.4	2458.4	2540.1
160°	2317.0	2296.6	2276.1	2296.6	2317.0	2322.1	2353.9	2396.3	2417.4	2452.5	2522.6
162.5°	2344.5	2329.3	2313.9	2329.3	2344.5	2348.4	2371.4	2402.1	2417.4	2447.0	2506.2
165°	2382.7	2368.9	2355.0	2368.9	2382.7	2386.3	2396.6	2410.5	2417.4	2438.6	2480.9
167.5°	2405.9	2399.4	2392.8	2399.4	2405.9	2407.6	2416.4	2428.1	2433.9	2447.7	2475.5
170°	2430.6	2424.0	2417.4	2424.0	2430.6	2432.3	2432.8	2433.5	2433.9	2447.7	2475.5
172.5°	2433.5	2432.0	2430.6	2432.0	2433.5	2433.9	2433.9	2433.9	2433.9	2444.8	2466.8
175°	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2443.8	2437.2	2433.9	2440.8	2454.7
177.5°	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2444.8	2439.7	2437.2	2442.6	2453.6
180°	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7



TEST NUMBER: P936153

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4547.9	4534.6	4552.4	4503.4	4552.4	4534.6	4547.9	4579.2	4552.4	4570.2	4588.1
5°	3990.6	3968.3	3896.9	3839.1	3896.9	3968.3	3990.6	4084.3	4128.8	4209.1	4316.1
7.5°	3567.0	3549.2	3531.4	3495.7	3531.4	3549.2	3567.0	3593.7	3638.4	3709.7	3790.0
10°	3473.4	3477.8	3504.6	3500.1	3504.6	3477.8	3473.4	3464.5	3451.1	3464.5	3513.6
12.5°	3714.2	3754.3	3901.4	3892.5	3901.4	3754.3	3714.2	3535.8	3415.4	3393.1	3402.0
15°	3990.6	4004.0	4035.2	4039.7	4035.2	4004.0	3990.6	3919.2	3558.1	3402.0	3353.0
17.5°	4017.3	4021.8	4044.1	4044.1	4044.1	4021.8	4017.3	3986.2	3865.8	3656.2	3379.8
20°	3995.0	4004.0	4048.6	4057.5	4048.6	4004.0	3995.0	3954.9	3888.1	3812.3	3602.7
22.5°	3986.2	4004.0	4039.7	4035.2	4039.7	4004.0	3986.2	3923.7	3865.8	3812.3	3727.5
25°	3941.6	3941.6	3946.0	3950.5	3946.0	3941.6	3941.6	3892.5	3776.6	3763.2	3714.2
27.5°	3847.9	3856.9	3883.6	3879.1	3883.6	3856.9	3847.9	3830.1	3705.3	3691.9	3656.2
30°	3763.2	3754.3	3732.0	3714.2	3732.0	3754.3	3763.2	3736.5	3611.6	3575.9	3584.9
32.5°	3620.5	3598.2	3575.9	3562.6	3575.9	3598.2	3620.5	3611.6	3517.9	3468.9	3477.8
35°	3451.1	3455.6	3451.1	3437.8	3451.1	3455.6	3451.1	3460.0	3402.0	3357.5	3353.0
37.5°	3330.7	3339.7	3335.2	3317.3	3335.2	3339.7	3330.7	3321.8	3241.5	3228.2	3237.1
40°	3205.9	3210.4	3205.9	3192.4	3205.9	3210.4	3205.9	3188.1	3076.6	3081.0	3112.3
42.5°	3085.5	3081.0	3067.6	3058.7	3067.6	3081.0	3085.5	3058.7	2916.0	2902.7	2960.7
45°	2947.2	2951.7	2924.9	2911.6	2924.9	2951.7	2947.2	2929.4	2782.3	2746.6	2786.8
47.5°	2809.1	2809.1	2786.8	2773.3	2786.8	2809.1	2809.1	2786.8	2630.7	2595.0	2617.3
50°	2661.9	2657.5	2626.2	2621.7	2626.2	2657.5	2661.9	2648.5	2483.6	2452.3	2452.3
52.5°	2492.4	2492.4	2496.9	2505.8	2496.9	2492.4	2492.4	2496.9	2349.8	2318.5	2309.7
55°	2345.3	2349.8	2381.0	2389.9	2381.0	2349.8	2345.3	2345.3	2211.6	2180.4	2162.5
57.5°	2193.7	2193.7	2216.0	2216.0	2216.0	2193.7	2193.7	2184.8	2055.5	2028.8	2019.8
60°	2019.8	2028.8	2046.6	2042.1	2046.6	2028.8	2019.8	2010.9	1899.4	1881.6	1850.4
62.5°	1837.1	1845.9	1850.4	1841.4	1850.4	1845.9	1837.1	1810.3	1743.3	1730.0	1689.9
65°	1645.3	1654.2	1658.7	1649.7	1658.7	1654.2	1645.3	1631.9	1582.9	1560.6	1524.9
67.5°	1449.1	1444.6	1440.2	1458.0	1440.2	1444.6	1449.1	1431.3	1400.1	1382.2	1333.2
70°	1248.4	1248.4	1244.0	1252.9	1244.0	1248.4	1248.4	1235.1	1217.2	1203.9	1159.3
72.5°	1034.5	1030.0	1047.8	1034.5	1047.8	1030.0	1034.5	1030.0	1021.0	1007.7	963.1
75°	824.9	833.8	824.9	838.3	824.9	833.8	824.9	829.3	824.9	815.9	784.8
77.5°	628.7	637.6	628.7	628.7	628.7	637.6	628.7	633.2	633.2	633.2	606.4
80°	445.9	441.4	441.4	437.0	441.4	441.4	445.9	445.9	450.3	441.4	432.5
82.5°	285.4	280.9	280.9	289.8	280.9	280.9	285.4	289.8	280.9	280.9	280.9
85°	156.1	160.6	151.6	151.6	151.6	160.6	156.1	147.1	156.1	156.1	151.6
87.5°	58.0	53.5	53.5	53.5	53.5	53.5	58.0	62.4	62.4	62.4	66.8
90°	62.4	62.4	62.4	62.4	62.4	62.4	62.4	83.3	111.0	124.9	107.3
92.5°	312.2	299.9	250.1	200.5	250.1	299.9	312.2	442.6	616.4	703.3	617.5
95°	1060.0	1022.4	871.9	721.4	871.9	1022.4	1060.0	1392.0	1834.6	2055.9	1736.4
97.5°	2447.0	2375.5	2089.1	1802.8	2089.1	2375.5	2447.0	2656.9	2936.6	3076.4	2543.6
100°	3436.4	3351.1	3010.0	2668.9	3010.0	3351.1	3436.4	3421.0	3400.5	3390.3	2799.1
102.5°	4281.1	4208.0	3915.9	3623.7	3915.9	4208.0	4281.1	4013.7	3657.3	3479.1	2879.4
105°	5267.1	5227.8	5070.9	4913.8	5070.9	5227.8	5267.1	4667.8	3868.7	3469.2	2888.6
107.5°	5779.8	5789.3	5827.4	5865.3	5827.4	5789.3	5779.8	4943.9	3829.3	3272.0	2760.0
110°	5911.3	5952.2	6115.9	6279.5	6115.9	5952.2	5911.3	4976.8	3730.8	3107.7	2646.1



TEST NUMBER: P936153

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5827.5	5890.3	6141.6	6392.9	6141.6	5890.3	5827.5	4871.1	3595.8	2958.1	2546.5
115°	5543.2	5630.3	5978.7	6327.1	5978.7	5630.3	5543.2	4621.8	3393.3	2779.0	2432.5
117.5°	5150.4	5247.1	5633.4	6019.8	5633.4	5247.1	5150.4	4318.9	3210.1	2655.7	2361.0
120°	4885.8	4979.7	5355.1	5730.6	5355.1	4979.7	4885.8	4126.0	3113.0	2606.4	2336.9
122.5°	4621.3	4713.8	5084.2	5454.5	5084.2	4713.8	4621.3	3937.1	3024.8	2568.7	2324.3
125°	4271.2	4356.5	4697.6	5038.7	4697.6	4356.5	4271.2	3690.0	2915.1	2527.6	2314.0
127.5°	3990.2	4062.1	4350.0	4637.7	4350.0	4062.1	3990.2	3491.2	2825.8	2493.1	2307.9
130°	3812.7	3879.2	4145.1	4410.9	4145.1	3879.2	3812.7	3368.5	2776.0	2479.9	2311.5
132.5°	3661.5	3721.1	3959.1	4197.2	3959.1	3721.1	3661.5	3263.9	2733.5	2468.4	2313.9
135°	3447.9	3499.2	3704.4	3909.7	3704.4	3499.2	3447.9	3114.8	2670.7	2448.7	2311.8
137.5°	3290.1	3332.1	3500.1	3668.0	3500.1	3332.1	3290.1	3008.5	2633.1	2445.4	2325.9
140°	3163.6	3202.8	3359.9	3516.9	3359.9	3202.8	3163.6	2920.4	2596.0	2433.9	2328.3
142.5°	3074.8	3108.7	3243.7	3378.8	3243.7	3108.7	3074.8	2861.2	2576.3	2433.9	2336.7
145°	2941.7	2967.3	3069.6	3171.8	3069.6	2967.3	2941.7	2766.9	2533.9	2417.4	2336.7
147.5°	2830.0	2851.1	2935.9	3020.6	2935.9	2851.1	2830.0	2692.4	2509.1	2417.4	2352.8
150°	2765.9	2783.0	2851.7	2920.4	2851.7	2783.0	2765.9	2649.7	2494.9	2417.4	2361.2
152.5°	2714.9	2727.9	2779.7	2831.6	2779.7	2727.9	2714.9	2615.8	2483.6	2417.4	2366.7
155°	2654.1	2662.7	2697.0	2731.3	2697.0	2662.7	2654.1	2575.3	2470.0	2417.4	2378.7
157.5°	2601.5	2607.6	2631.7	2655.7	2631.7	2607.6	2601.5	2540.1	2458.4	2417.4	2390.7
160°	2575.2	2578.7	2592.6	2606.4	2592.6	2578.7	2575.2	2522.6	2452.5	2417.4	2396.3
162.5°	2550.6	2553.8	2567.0	2580.2	2567.0	2553.8	2550.6	2506.2	2447.0	2417.4	2402.1
165°	2512.7	2516.2	2530.1	2544.0	2530.1	2516.2	2512.7	2480.9	2438.6	2417.4	2410.5
167.5°	2496.3	2497.8	2503.6	2509.5	2503.6	2497.8	2496.3	2475.5	2447.7	2433.9	2428.1
170°	2496.3	2496.3	2496.3	2496.3	2496.3	2496.3	2496.3	2475.5	2447.7	2433.9	2433.5
172.5°	2483.2	2481.9	2476.8	2471.7	2476.8	2481.9	2483.2	2466.8	2444.8	2433.9	2433.9
175°	2465.1	2465.1	2465.1	2465.1	2465.1	2465.1	2465.1	2454.7	2440.8	2433.9	2437.2
177.5°	2461.8	2460.3	2454.5	2448.7	2454.5	2460.3	2461.8	2453.6	2442.6	2437.2	2439.7
180°	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7	2448.7



TEST NUMBER: P936153

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4655.0	4677.3	4690.7	4708.5	4753.1
5°	4476.6	4561.4	4588.1	4655.0	4735.2
7.5°	4084.3	4342.8	4414.2	4574.7	4699.5
10°	3705.3	3963.9	4088.7	4467.7	4655.0
12.5°	3513.6	3665.2	3749.8	4280.4	4592.5
15°	3393.1	3500.1	3562.6	4030.7	4521.2
17.5°	3299.5	3375.3	3419.9	3785.5	4423.1
20°	3241.5	3277.2	3317.3	3607.2	4311.7
22.5°	3201.4	3179.1	3210.4	3482.3	4160.1
25°	3174.6	3090.0	3125.6	3384.2	3981.7
27.5°	3196.9	3009.7	3023.0	3295.0	3794.4
30°	3201.4	2911.6	2916.0	3201.4	3584.9
32.5°	3170.2	2809.1	2813.5	3085.5	3348.5
35°	3094.4	2688.7	2684.2	2951.7	3027.5
37.5°	2991.8	2559.4	2559.4	2804.6	2675.3
40°	2867.0	2430.0	2443.4	2612.9	2363.2
42.5°	2715.4	2291.8	2309.7	2358.7	2131.3
45°	2550.4	2158.1	2171.4	1993.0	1952.9
47.5°	2367.6	2019.8	2024.3	1654.2	1895.0
50°	2149.1	1877.1	1859.3	1417.9	1890.5
52.5°	1957.4	1721.1	1667.5	1284.2	1716.6
55°	1770.1	1556.1	1440.2	1181.6	1591.7
57.5°	1605.2	1342.1	1230.6	1061.2	1565.0
60°	1453.6	1132.6	1047.8	931.9	1435.8
62.5°	1328.7	976.5	958.7	842.7	1302.0
65°	1194.9	869.4	865.0	766.9	1105.8
67.5°	1065.6	798.1	793.6	695.5	842.7
70°	927.4	722.3	713.4	619.7	624.2
72.5°	784.8	637.6	628.7	557.4	517.2
75°	642.0	539.5	535.1	486.0	419.1
77.5°	503.9	428.1	437.0	392.3	307.7
80°	361.2	312.1	321.0	280.9	231.9
82.5°	240.7	205.1	214.0	178.4	156.1
85°	133.8	115.9	120.4	93.6	71.3
87.5°	62.4	53.5	53.5	35.7	22.3
90°	72.3	46.0	42.8	29.6	16.4
92.5°	445.9	317.2	289.2	177.4	65.7
95°	1097.3	617.9	566.8	362.2	157.7
97.5°	1478.0	678.8	633.6	453.2	272.8
100°	1616.6	729.7	688.8	525.1	361.5
102.5°	1680.1	780.6	742.4	589.8	437.1
105°	1727.3	856.3	823.9	694.6	565.4
107.5°	1736.0	968.0	937.8	817.3	696.8
110°	1722.9	1030.4	1003.2	894.4	785.6



TEST NUMBER: P936153

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1723.4	1106.0	1080.1	976.4	872.7
115°	1739.3	1219.4	1195.5	1099.8	1004.2
117.5°	1771.5	1329.5	1307.8	1220.8	1134.0
120°	1797.9	1393.6	1373.1	1291.4	1209.5
122.5°	1835.7	1469.2	1448.6	1366.0	1283.5
125°	1886.7	1566.2	1547.4	1472.1	1396.9
127.5°	1937.5	1659.8	1640.8	1564.9	1488.9
130°	1974.8	1722.3	1701.8	1620.0	1538.3
132.5°	2004.9	1773.2	1752.7	1671.0	1589.2
135°	2037.8	1832.4	1813.8	1739.2	1664.7
137.5°	2087.1	1908.0	1889.6	1815.8	1742.0
140°	2117.2	1959.0	1942.0	1874.0	1806.1
142.5°	2142.4	1996.7	1981.0	1918.2	1855.4
145°	2175.3	2054.3	2040.6	1985.8	1931.0
147.5°	2223.5	2126.5	2113.2	2059.9	2006.6
150°	2248.7	2164.4	2152.4	2104.1	2055.9
152.5°	2265.1	2189.0	2179.9	2143.4	2106.9
155°	2301.3	2243.3	2236.5	2209.5	2182.5
157.5°	2337.4	2297.5	2290.9	2264.6	2238.4
160°	2353.9	2322.1	2317.0	2296.6	2276.1
162.5°	2371.4	2348.4	2344.5	2329.3	2313.9
165°	2396.6	2386.3	2382.7	2368.9	2355.0
167.5°	2416.4	2407.6	2405.9	2399.4	2392.8
170°	2432.8	2432.3	2430.6	2424.0	2417.4
172.5°	2433.9	2433.9	2433.5	2432.0	2430.6
175°	2443.8	2448.7	2448.7	2448.7	2448.7
177.5°	2444.8	2448.7	2448.7	2448.7	2448.7
180°	2448.7	2448.7	2448.7	2448.7	2448.7



TEST NUMBER: P936153
 CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3000K

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	13.49	14.30	14.50	15.32	16.68	16.34	17.15	17.35	18.17	19.53
	3H	13.96	14.69	14.98	15.71	17.10	17.69	18.41	18.71	19.44	20.82
	4H	14.15	14.84	15.19	15.87	17.26	18.14	18.82	19.17	19.85	21.24
	6H	14.27	14.90	15.31	15.93	17.33	18.42	19.05	19.47	20.09	21.49
	8H	14.27	14.87	15.32	15.92	17.32	18.50	19.10	19.55	20.15	21.55
	12H	14.24	14.81	15.29	15.85	17.27	18.54	19.11	19.59	20.16	21.58
4H	2H	14.52	15.21	15.56	16.24	17.63	16.74	17.43	17.78	18.46	19.85
	3H	15.54	16.11	16.59	17.17	18.58	18.25	18.82	19.30	19.88	21.28
	4H	15.82	16.34	16.87	17.39	18.82	18.78	19.30	19.84	20.35	21.78
	6H	15.94	16.39	17.00	17.46	18.88	19.15	19.60	20.21	20.67	22.09
	8H	15.94	16.36	17.01	17.43	18.86	19.26	19.68	20.32	20.74	22.18
	12H	15.91	16.29	16.99	17.37	18.81	19.31	19.69	20.40	20.77	22.21
8H	4H	16.27	16.69	17.34	17.76	19.19	18.90	19.32	19.97	20.39	21.82
	6H	16.53	16.87	17.62	17.98	19.42	19.34	19.69	20.43	20.80	22.23
	8H	16.57	16.87	17.67	17.97	19.42	19.49	19.80	20.59	20.89	22.34
	12H	16.55	16.82	17.65	17.91	19.40	19.59	19.86	20.69	20.95	22.44
12H	4H	16.27	16.65	17.36	17.73	19.17	18.86	19.24	19.95	20.32	21.76
	6H	16.59	16.89	17.69	17.99	19.44	19.34	19.64	20.43	20.73	22.18
	8H	16.65	16.92	17.75	18.01	19.50	19.50	19.77	20.60	20.85	22.34