

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: P936154

Luminaire Tested: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936154
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-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

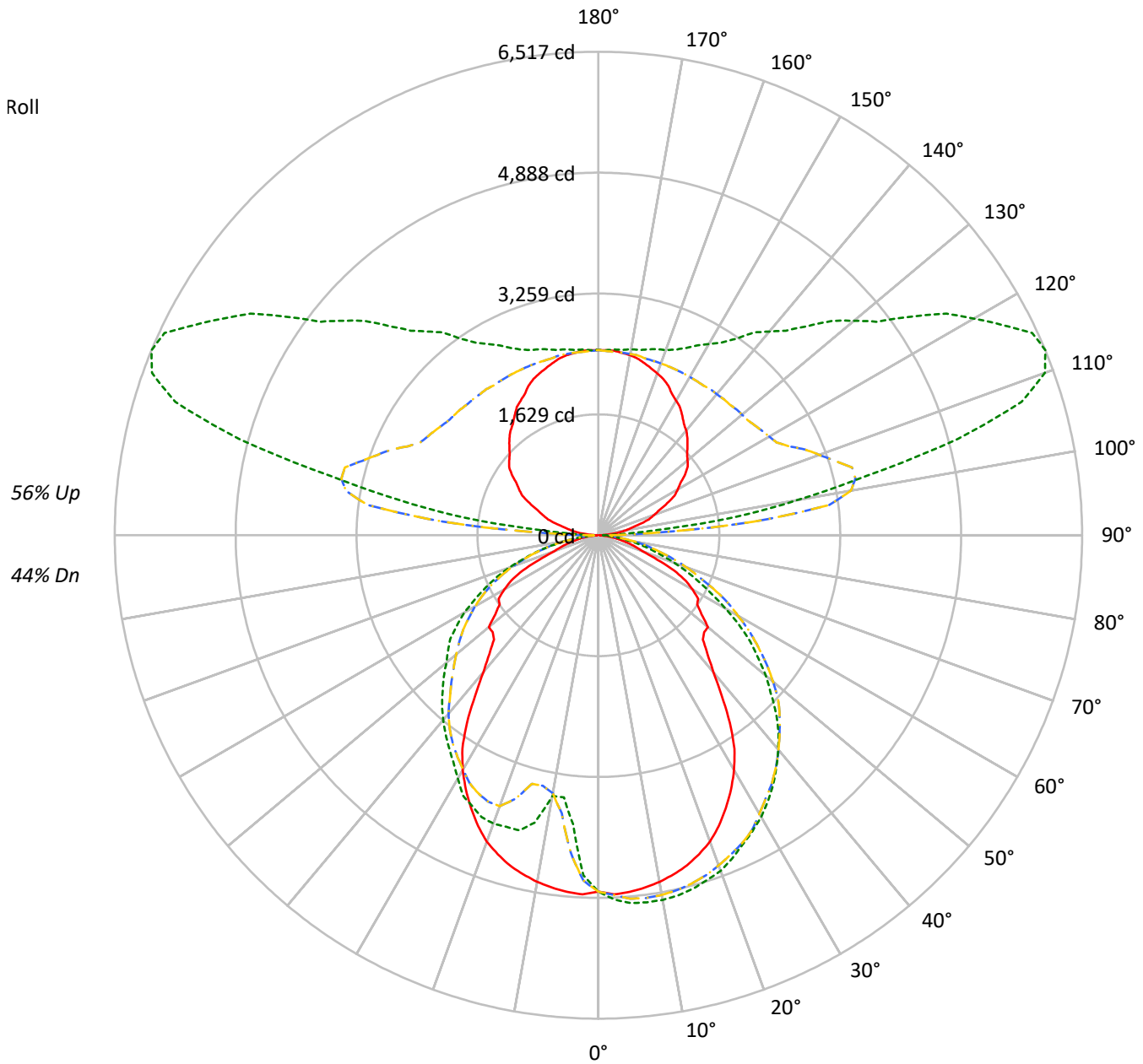
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28647.3 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 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

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Luminous Intensity Polar Plot



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

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CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

MAXIMUM LUMINANCE 45°-90°:

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.7	1.5
10°-20°	1231.3	4.3
20°-30°	1903.4	6.6
30°-40°	2272.2	7.9
40°-50°	2285.5	8.0
50°-60°	1988.7	6.9
60°-70°	1410.0	4.9
70°-80°	746.0	2.6
80°-90°	195.3	0.7
90°-100°	1216.7	4.2
100°-110°	3198.8	11.2
110°-120°	3316.9	11.6
120°-130°	2660.5	9.3
130°-140°	2087.6	7.3
140°-150°	1602.3	5.6
150°-160°	1153.9	4.0
160°-170°	706.0	2.5
170°-180°	238.5	0.8
0°-30°	3568.3	12.5
0°-40°	5840.5	20.4
0°-60°	10114.7	35.3
0°-90°	12466.0	43.5
90°-120°	7732.4	27.0
90°-150°	14082.8	49.2
90°-180°	16181.0	56.5
0°-180°	28647.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4804	4804	4804	4804	4804	
5°	4827	4977	4827	3913	4827	458
15°	4609	4932	4609	4118	4609	1297
25°	4059	4600	4059	4027	4059	1864
35°	3086	4104	3086	3504	3086	1909
45°	1991	3382	1991	2968	1991	1595
55°	1623	2495	1623	2436	1623	1491
65°	1127	1504	1127	1682	1127	1077
75°	427	714	427	854	427	449
85°	73	182	73	154	73	98
90°	17	64	17	64	17	17
95°	161	735	161	735	161	179
105°	576	5009	576	5009	576	611
115°	1024	6450	1024	6450	1024	1011
125°	1424	5136	1424	5136	1424	1264
135°	1697	3985	1697	3985	1697	1313
145°	1968	3233	1968	3233	1968	1233
155°	2225	2784	2225	2784	2225	1022
165°	2401	2593	2401	2593	2401	677
175°	2496	2513	2496	2513	2496	237
180°	2496	2496	2496	2496	2496	



TEST NUMBER: P936154

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4845.2	4845.2	4872.4	4881.5	4881.5	4867.8	4854.2	4867.8	4908.7	4922.4	4917.9
5°	4826.9	4863.3	4913.3	4922.4	4931.5	4926.9	4917.9	4926.9	4972.4	4981.5	4986.0
7.5°	4790.5	4858.8	4922.4	4936.0	4949.6	4936.0	4931.5	4940.6	4986.0	4995.1	4995.1
10°	4745.2	4840.6	4913.3	4922.4	4936.0	4922.4	4922.4	4940.6	4986.0	4995.1	4999.7
12.5°	4681.5	4813.3	4881.5	4890.6	4908.7	4904.2	4899.7	4917.9	4963.3	4972.4	4972.4
15°	4608.8	4763.3	4826.9	4836.0	4867.8	4858.8	4858.8	4876.9	4926.9	4940.6	4936.0
17.5°	4508.8	4699.7	4772.4	4786.1	4808.7	4804.2	4808.7	4826.9	4872.4	4881.5	4886.0
20°	4395.2	4613.3	4699.7	4713.3	4736.0	4736.0	4736.0	4758.8	4804.2	4822.4	4822.4
22.5°	4240.6	4522.4	4613.3	4622.4	4649.7	4649.7	4658.8	4690.5	4731.5	4736.0	4736.0
25°	4058.8	4422.4	4499.7	4527.0	4554.3	4567.9	4581.5	4599.7	4613.3	4608.8	4613.3
27.5°	3867.9	4295.2	4395.2	4413.4	4449.7	4463.3	4481.5	4486.1	4490.6	4504.2	4495.2
30°	3654.3	4117.9	4267.9	4286.0	4345.1	4354.3	4336.1	4345.1	4367.9	4377.0	4386.0
32.5°	3413.4	3854.3	4136.1	4177.0	4231.5	4204.3	4199.7	4213.3	4249.7	4249.7	4258.8
35°	3086.1	3649.7	4013.3	4049.7	4090.6	4058.8	4077.0	4081.5	4104.3	4117.9	4113.3
37.5°	2727.1	3472.5	3886.1	3913.4	3945.2	3904.3	3931.6	3945.2	3963.4	3954.2	3954.2
40°	2408.9	3195.2	3736.1	3754.3	3781.5	3749.7	3777.1	3786.1	3795.2	3786.1	3781.5
42.5°	2172.6	2890.7	3577.0	3599.8	3581.6	3604.3	3613.4	3631.6	3618.0	3599.8	3599.8
45°	1990.7	2808.9	3404.3	3431.6	3404.3	3440.7	3454.3	3454.3	3413.4	3404.3	3399.8
47.5°	1931.7	2645.3	3231.6	3231.6	3217.9	3263.4	3286.2	3254.3	3213.5	3199.8	3199.8
50°	1927.2	2463.5	2995.3	2977.1	3040.7	3095.3	3072.5	3040.7	3008.9	2958.9	2958.9
52.5°	1749.9	2240.8	2690.7	2758.9	2858.9	2890.7	2854.3	2822.6	2767.9	2745.3	2727.1
55°	1622.6	2009.0	2413.5	2549.8	2654.3	2695.2	2627.1	2595.2	2513.5	2499.8	2490.8
57.5°	1595.4	1672.6	2159.0	2331.7	2458.9	2454.4	2413.5	2354.4	2286.2	2272.6	2268.0
60°	1463.6	1209.0	1886.2	2090.7	2222.6	2208.9	2172.6	2118.0	2054.4	2045.3	2036.2
62.5°	1327.2	877.2	1577.2	1809.0	1995.3	1990.7	1958.9	1877.1	1831.7	1809.0	1790.8
65°	1127.2	736.3	1122.6	1504.5	1772.6	1781.7	1713.5	1654.4	1604.4	1577.2	1572.6
67.5°	859.1	599.9	759.0	1254.4	1559.0	1549.9	1463.6	1436.3	1372.6	1359.0	1331.7
70°	636.3	399.9	527.2	1018.1	1349.9	1327.2	1259.0	1227.2	1168.1	1136.2	1118.1
72.5°	527.2	322.7	386.3	790.8	1136.2	1109.0	1049.9	1013.6	963.5	936.3	918.1
75°	427.2	340.8	295.5	586.3	922.6	904.4	849.9	813.6	772.7	736.3	740.9
77.5°	313.6	318.2	236.4	431.8	731.7	704.5	672.6	627.3	609.1	572.7	572.7
80°	236.4	250.0	177.3	295.5	527.2	527.2	499.9	468.2	436.4	418.1	418.1
82.5°	159.1	159.1	131.8	186.3	359.1	345.4	327.2	318.2	300.0	290.9	290.9
85°	72.7	90.9	81.8	113.6	195.4	204.5	204.5	195.4	190.9	181.8	186.3
87.5°	22.7	40.9	50.0	63.7	100.0	104.6	109.0	109.0	109.0	113.6	113.6
90°	16.7	30.2	43.6	46.9	73.7	109.4	127.3	113.2	84.9	63.7	63.7
92.5°	67.0	180.9	294.8	323.3	454.5	629.5	717.0	628.3	451.1	318.3	305.7
95°	160.8	369.2	577.7	629.9	1118.5	1770.0	2095.7	1870.1	1419.0	1080.6	1042.2
97.5°	278.1	462.0	645.9	691.9	1506.6	2592.9	3136.0	2993.5	2708.3	2494.4	2421.5
100°	368.5	535.3	702.1	743.8	1647.9	2853.3	3456.0	3466.4	3487.2	3502.9	3416.0
102.5°	445.6	601.2	756.8	795.8	1712.6	2935.2	3546.5	3728.2	4091.5	4364.0	4289.5
105°	576.3	708.1	839.9	872.8	1760.7	2944.5	3536.4	3943.7	4758.2	5369.1	5329.1
107.5°	710.3	833.2	956.0	986.7	1769.6	2813.4	3335.4	3903.5	5039.6	5891.8	5901.4
110°	800.8	911.7	1022.6	1050.4	1756.2	2697.3	3167.9	3803.0	5073.2	6025.8	6067.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	889.6	995.3	1101.1	1127.5	1756.8	2595.9	3015.4	3665.4	4965.4	5940.4	6004.4
115°	1023.6	1121.1	1218.7	1243.1	1773.0	2479.6	2832.9	3459.0	4711.3	5650.6	5739.4
117.5°	1155.9	1244.5	1333.1	1355.2	1805.8	2406.7	2707.2	3272.3	4402.5	5250.2	5348.7
120°	1232.9	1316.4	1399.7	1420.6	1832.7	2382.2	2656.9	3173.3	4205.9	4980.4	5076.2
122.5°	1308.3	1392.5	1476.6	1497.7	1871.3	2369.4	2618.4	3083.4	4013.3	4710.8	4805.1
125°	1424.0	1500.6	1577.4	1596.5	1923.2	2358.8	2576.5	2971.5	3761.5	4353.9	4440.8
127.5°	1517.7	1595.2	1672.6	1692.0	1975.1	2352.6	2541.3	2880.5	3558.8	4067.5	4140.8
130°	1568.0	1651.4	1734.8	1755.6	2013.0	2356.3	2527.9	2829.8	3433.7	3886.5	3954.3
132.5°	1620.0	1703.3	1786.7	1807.5	2043.7	2358.7	2516.2	2786.5	3327.1	3732.5	3793.2
135°	1697.0	1772.9	1848.9	1867.9	2077.3	2356.6	2496.1	2722.5	3175.1	3514.6	3566.9
137.5°	1775.8	1851.0	1926.2	1945.0	2127.5	2371.0	2492.7	2684.1	3066.8	3353.8	3396.6
140°	1841.1	1910.3	1979.6	1996.9	2158.2	2373.4	2481.0	2646.3	2976.9	3224.8	3264.8
142.5°	1891.3	1955.4	2019.4	2035.4	2183.9	2382.0	2481.0	2626.2	2916.6	3134.4	3168.9
145°	1968.4	2024.3	2080.1	2094.0	2217.4	2382.0	2464.3	2583.0	2820.5	2998.7	3024.7
147.5°	2045.4	2099.8	2154.1	2167.7	2266.6	2398.4	2464.3	2557.7	2744.6	2884.8	2906.4
150°	2095.7	2144.9	2194.1	2206.3	2292.3	2407.0	2464.3	2543.2	2701.1	2819.4	2836.9
152.5°	2147.7	2184.9	2222.1	2231.4	2309.0	2412.5	2464.3	2531.7	2666.4	2767.5	2780.7
155°	2224.8	2252.3	2279.8	2286.7	2345.9	2424.8	2464.3	2517.9	2625.1	2705.5	2714.3
157.5°	2281.7	2308.5	2335.2	2342.0	2382.7	2437.0	2464.3	2506.0	2589.3	2651.9	2658.1
160°	2320.2	2341.1	2361.9	2367.1	2399.5	2442.7	2464.3	2500.0	2571.4	2625.1	2628.6
162.5°	2358.7	2374.4	2389.9	2393.9	2417.3	2448.6	2464.3	2494.4	2554.8	2600.0	2603.3
165°	2400.6	2414.7	2428.9	2432.5	2443.0	2457.2	2464.3	2485.8	2529.0	2561.4	2565.0
167.5°	2439.2	2445.9	2452.5	2454.2	2463.2	2475.1	2481.0	2495.1	2523.4	2544.7	2546.2
170°	2464.3	2471.0	2477.7	2479.4	2479.9	2480.6	2481.0	2495.1	2523.4	2544.7	2544.7
172.5°	2477.7	2479.1	2480.6	2481.0	2481.0	2481.0	2481.0	2492.2	2514.6	2531.3	2530.0
175°	2496.1	2496.1	2496.1	2496.1	2491.1	2484.4	2481.0	2488.1	2502.2	2512.9	2512.9
177.5°	2496.1	2496.1	2496.1	2496.1	2492.2	2487.0	2484.4	2490.0	2501.1	2509.5	2507.9
180°	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1



TEST NUMBER: P936154

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4926.9	4913.3	4926.9	4917.9	4922.4	4908.7	4867.8	4854.2	4867.8	4881.5	4881.5
5°	4986.0	4976.9	4986.0	4986.0	4981.5	4972.4	4926.9	4917.9	4926.9	4931.5	4922.4
7.5°	5004.2	4990.6	5004.2	4995.1	4995.1	4986.0	4940.6	4931.5	4936.0	4949.6	4936.0
10°	5004.2	4990.6	5004.2	4999.7	4995.1	4986.0	4940.6	4922.4	4922.4	4936.0	4922.4
12.5°	4981.5	4972.4	4981.5	4972.4	4972.4	4963.3	4917.9	4899.7	4904.2	4908.7	4890.6
15°	4945.1	4931.5	4945.1	4936.0	4940.6	4926.9	4876.9	4858.8	4858.8	4867.8	4836.0
17.5°	4890.6	4872.4	4890.6	4886.0	4881.5	4872.4	4826.9	4808.7	4804.2	4808.7	4786.1
20°	4826.9	4813.3	4826.9	4822.4	4822.4	4804.2	4758.8	4736.0	4736.0	4736.0	4713.3
22.5°	4727.0	4713.3	4727.0	4736.0	4736.0	4731.5	4690.5	4658.8	4649.7	4649.7	4622.4
25°	4613.3	4599.7	4613.3	4613.3	4608.8	4613.3	4599.7	4581.5	4567.9	4554.3	4527.0
27.5°	4504.2	4495.2	4504.2	4495.2	4504.2	4490.6	4486.1	4481.5	4463.3	4449.7	4413.4
30°	4395.2	4386.0	4395.2	4386.0	4377.0	4367.9	4345.1	4336.1	4354.3	4345.1	4286.0
32.5°	4258.8	4249.7	4258.8	4258.8	4249.7	4249.7	4213.3	4199.7	4204.3	4231.5	4177.0
35°	4117.9	4104.3	4117.9	4113.3	4117.9	4104.3	4081.5	4077.0	4058.8	4090.6	4049.7
37.5°	3954.2	3940.6	3954.2	3954.2	3954.2	3963.4	3945.2	3931.6	3904.3	3945.2	3913.4
40°	3786.1	3767.9	3786.1	3781.5	3786.1	3795.2	3786.1	3777.1	3749.7	3781.5	3754.3
42.5°	3595.2	3590.6	3595.2	3599.8	3599.8	3618.0	3631.6	3613.4	3604.3	3581.6	3599.8
45°	3390.6	3381.6	3390.6	3399.8	3404.3	3413.4	3454.3	3454.3	3440.7	3404.3	3431.6
47.5°	3172.5	3149.8	3172.5	3199.8	3199.8	3213.5	3254.3	3286.2	3263.4	3217.9	3231.6
50°	2940.7	2945.2	2940.7	2958.9	2958.9	3008.9	3040.7	3072.5	3095.3	3040.7	2977.1
52.5°	2713.4	2708.9	2713.4	2727.1	2745.3	2767.9	2822.6	2854.3	2890.7	2858.9	2758.9
55°	2486.2	2495.3	2486.2	2490.8	2499.8	2513.5	2595.2	2627.1	2695.2	2654.3	2549.8
57.5°	2259.0	2245.3	2259.0	2268.0	2272.6	2286.2	2354.4	2413.5	2454.4	2458.9	2331.7
60°	1995.3	1977.1	1995.3	2036.2	2045.3	2054.4	2118.0	2172.6	2208.9	2222.6	2090.7
62.5°	1763.5	1731.7	1763.5	1790.8	1809.0	1831.7	1877.1	1958.9	1990.7	1995.3	1809.0
65°	1518.1	1504.5	1518.1	1572.6	1577.2	1604.4	1654.4	1713.5	1781.7	1772.6	1504.5
67.5°	1295.3	1295.3	1295.3	1331.7	1359.0	1372.6	1436.3	1463.6	1549.9	1559.0	1254.4
70°	1090.8	1086.3	1090.8	1118.1	1136.2	1168.1	1227.2	1259.0	1327.2	1349.9	1018.1
72.5°	895.4	890.8	895.4	918.1	936.3	963.5	1013.6	1049.9	1109.0	1136.2	790.8
75°	722.7	713.6	722.7	740.9	736.3	772.7	813.6	849.9	904.4	922.6	586.3
77.5°	554.5	554.5	554.5	572.7	572.7	609.1	627.3	672.6	704.5	731.7	431.8
80°	413.6	409.1	413.6	418.1	418.1	436.4	468.2	499.9	527.2	527.2	295.5
82.5°	290.9	281.8	290.9	290.9	290.9	300.0	318.2	327.2	345.4	359.1	186.3
85°	181.8	181.8	181.8	186.3	181.8	190.9	195.4	204.5	204.5	195.4	113.6
87.5°	118.2	113.6	118.2	113.6	113.6	109.0	109.0	109.0	104.6	100.0	63.7
90°	63.7	63.7	63.7	63.7	63.7	84.9	113.2	127.3	109.4	73.7	46.9
92.5°	255.0	204.4	255.0	305.7	318.3	451.1	628.3	717.0	629.5	454.5	323.3
95°	888.8	735.4	888.8	1042.2	1080.6	1419.0	1870.1	2095.7	1770.0	1118.5	629.9
97.5°	2129.6	1837.7	2129.6	2421.5	2494.4	2708.3	2993.5	3136.0	2592.9	1506.6	691.9
100°	3068.3	2720.6	3068.3	3416.0	3502.9	3487.2	3466.4	3456.0	2853.3	1647.9	743.8
102.5°	3991.7	3693.9	3991.7	4289.5	4364.0	4091.5	3728.2	3546.5	2935.2	1712.6	795.8
105°	5169.1	5009.0	5169.1	5329.1	5369.1	4758.2	3943.7	3536.4	2944.5	1760.7	872.8
107.5°	5940.2	5978.9	5940.2	5901.4	5891.8	5039.6	3903.5	3335.4	2813.4	1769.6	986.7
110°	6234.3	6401.1	6234.3	6067.5	6025.8	5073.2	3803.0	3167.9	2697.3	1756.2	1050.4



TEST NUMBER: P936154

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6260.6	6516.7	6260.6	6004.4	5940.4	4965.4	3665.4	3015.4	2595.9	1756.8	1127.5
115°	6094.5	6449.6	6094.5	5739.4	5650.6	4711.3	3459.0	2832.9	2479.6	1773.0	1243.1
117.5°	5742.5	6136.4	5742.5	5348.7	5250.2	4402.5	3272.3	2707.2	2406.7	1805.8	1355.2
120°	5458.8	5841.6	5458.8	5076.2	4980.4	4205.9	3173.3	2656.9	2382.2	1832.7	1420.6
122.5°	5182.7	5560.2	5182.7	4805.1	4710.8	4013.3	3083.4	2618.4	2369.4	1871.3	1497.7
125°	4788.6	5136.3	4788.6	4440.8	4353.9	3761.5	2971.5	2576.5	2358.8	1923.2	1596.5
127.5°	4434.2	4727.5	4434.2	4140.8	4067.5	3558.8	2880.5	2541.3	2352.6	1975.1	1692.0
130°	4225.3	4496.3	4225.3	3954.3	3886.5	3433.7	2829.8	2527.9	2356.3	2013.0	1755.6
132.5°	4035.8	4278.5	4035.8	3793.2	3732.5	3327.1	2786.5	2516.2	2358.7	2043.7	1807.5
135°	3776.2	3985.4	3776.2	3566.9	3514.6	3175.1	2722.5	2496.1	2356.6	2077.3	1867.9
137.5°	3567.9	3739.1	3567.9	3396.6	3353.8	3066.8	2684.1	2492.7	2371.0	2127.5	1945.0
140°	3424.9	3585.0	3424.9	3264.8	3224.8	2976.9	2646.3	2481.0	2373.4	2158.2	1996.9
142.5°	3306.6	3444.3	3306.6	3168.9	3134.4	2916.6	2626.2	2481.0	2382.0	2183.9	2035.4
145°	3129.0	3233.2	3129.0	3024.7	2998.7	2820.5	2583.0	2464.3	2382.0	2217.4	2094.0
147.5°	2992.8	3079.1	2992.8	2906.4	2884.8	2744.6	2557.7	2464.3	2398.4	2266.6	2167.7
150°	2906.9	2976.9	2906.9	2836.9	2819.4	2701.1	2543.2	2464.3	2407.0	2292.3	2206.3
152.5°	2833.6	2886.4	2833.6	2780.7	2767.5	2666.4	2531.7	2464.3	2412.5	2309.0	2231.4
155°	2749.2	2784.2	2749.2	2714.3	2705.5	2625.1	2517.9	2464.3	2424.8	2345.9	2286.7
157.5°	2682.6	2707.2	2682.6	2658.1	2651.9	2589.3	2506.0	2464.3	2437.0	2382.7	2342.0
160°	2642.8	2656.9	2642.8	2628.6	2625.1	2571.4	2500.0	2464.3	2442.7	2399.5	2367.1
162.5°	2616.7	2630.2	2616.7	2603.3	2600.0	2554.8	2494.4	2464.3	2448.6	2417.3	2393.9
165°	2579.1	2593.3	2579.1	2565.0	2561.4	2529.0	2485.8	2464.3	2457.2	2443.0	2432.5
167.5°	2552.1	2558.1	2552.1	2546.2	2544.7	2523.4	2495.1	2481.0	2475.1	2463.2	2454.2
170°	2544.7	2544.7	2544.7	2544.7	2544.7	2523.4	2495.1	2481.0	2480.6	2479.9	2479.4
172.5°	2524.8	2519.6	2524.8	2530.0	2531.3	2514.6	2492.2	2481.0	2481.0	2481.0	2481.0
175°	2512.9	2512.9	2512.9	2512.9	2512.9	2502.2	2488.1	2481.0	2484.4	2491.1	2496.1
177.5°	2502.0	2496.1	2502.0	2507.9	2509.5	2501.1	2490.0	2484.4	2487.0	2492.2	2496.1
180°	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1



TEST NUMBER: P936154

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4872.4	4845.2	4845.2	4799.7	4781.5	4767.9	4745.2	4676.9	4658.8	4640.6	4667.9
5°	4913.3	4863.3	4826.9	4745.2	4676.9	4649.7	4563.3	4399.7	4290.6	4208.8	4163.4
7.5°	4922.4	4858.8	4790.5	4663.3	4499.7	4427.0	4163.4	3863.4	3781.5	3708.8	3663.3
10°	4913.3	4840.6	4745.2	4554.3	4167.9	4040.6	3777.1	3581.6	3531.6	3517.9	3531.6
12.5°	4881.5	4813.3	4681.5	4363.3	3822.4	3736.1	3581.6	3467.9	3458.9	3481.6	3604.3
15°	4826.9	4763.3	4608.8	4108.8	3631.6	3567.9	3458.9	3417.9	3467.9	3627.0	3995.2
17.5°	4772.4	4699.7	4508.8	3858.8	3486.2	3440.7	3363.4	3445.3	3727.0	3940.6	4063.4
20°	4699.7	4613.3	4395.2	3677.0	3381.6	3340.7	3304.3	3672.5	3886.1	3963.4	4031.5
22.5°	4613.3	4522.4	4240.6	3549.7	3272.5	3240.7	3263.4	3799.7	3886.1	3940.6	3999.7
25°	4499.7	4422.4	4058.8	3449.7	3186.1	3149.8	3236.1	3786.1	3836.1	3849.8	3967.9
27.5°	4395.2	4295.2	3867.9	3358.9	3081.6	3068.0	3258.8	3727.0	3763.4	3777.1	3904.3
30°	4267.9	4117.9	3654.3	3263.4	2972.5	2968.0	3263.4	3654.3	3645.2	3681.5	3808.8
32.5°	4136.1	3854.3	3413.4	3145.2	2868.0	2863.5	3231.6	3545.2	3536.1	3586.1	3681.5
35°	4013.3	3649.7	3086.1	3008.9	2736.2	2740.7	3154.4	3417.9	3422.5	3467.9	3527.0
37.5°	3886.1	3472.5	2727.1	2858.9	2608.9	2608.9	3049.8	3299.8	3290.7	3304.3	3386.2
40°	3736.1	3195.2	2408.9	2663.5	2490.8	2477.1	2922.6	3172.5	3140.7	3136.2	3249.8
42.5°	3577.0	2890.7	2172.6	2404.4	2354.4	2336.2	2767.9	3018.0	2958.9	2972.5	3117.9
45°	3404.3	2808.9	1990.7	2031.6	2213.5	2199.9	2599.8	2840.7	2799.8	2836.2	2986.1
47.5°	3231.6	2645.3	1931.7	1686.2	2063.5	2058.9	2413.5	2668.0	2645.3	2681.6	2840.7
50°	2995.3	2463.5	1927.2	1445.4	1895.3	1913.5	2190.7	2499.8	2499.8	2531.7	2699.8
52.5°	2690.7	2240.8	1749.9	1309.0	1699.8	1754.5	1995.3	2354.4	2363.4	2395.3	2545.3
55°	2413.5	2009.0	1622.6	1204.5	1468.0	1586.2	1804.4	2204.3	2222.6	2254.4	2390.8
57.5°	2159.0	1672.6	1595.4	1081.7	1254.4	1368.1	1636.3	2058.9	2068.1	2095.3	2227.1
60°	1886.2	1209.0	1463.6	949.9	1068.1	1154.5	1481.7	1886.2	1918.0	1936.2	2049.8
62.5°	1577.2	877.2	1327.2	859.1	977.2	995.4	1354.4	1722.6	1763.5	1777.1	1845.3
65°	1122.6	736.3	1127.2	781.8	881.8	886.3	1218.1	1554.4	1590.8	1613.5	1663.5
67.5°	759.0	599.9	859.1	709.0	809.0	813.6	1086.3	1359.0	1409.0	1427.2	1459.0
70°	527.2	399.9	636.3	631.7	727.3	736.3	945.4	1181.7	1227.2	1240.8	1259.0
72.5°	386.3	322.7	527.2	568.2	640.9	650.0	800.0	981.7	1027.2	1040.8	1049.9
75°	295.5	340.8	427.2	495.4	545.4	550.0	654.5	800.0	831.7	840.9	845.4
77.5°	236.4	318.2	313.6	399.9	445.4	436.4	513.6	618.1	645.4	645.4	645.4
80°	177.3	250.0	236.4	286.3	327.2	318.2	368.2	440.9	450.0	459.0	454.5
82.5°	131.8	159.1	159.1	181.8	218.2	209.1	245.4	286.3	286.3	286.3	295.5
85°	81.8	90.9	72.7	95.4	122.7	118.2	136.4	154.5	159.1	159.1	150.0
87.5°	50.0	40.9	22.7	36.3	54.5	54.5	63.7	68.1	63.7	63.7	63.7
90°	43.6	30.2	16.7	30.2	43.6	46.9	73.7	109.4	127.3	113.2	84.9
92.5°	294.8	180.9	67.0	180.9	294.8	323.3	454.5	629.5	717.0	628.3	451.1
95°	577.7	369.2	160.8	369.2	577.7	629.9	1118.5	1770.0	2095.7	1870.1	1419.0
97.5°	645.9	462.0	278.1	462.0	645.9	691.9	1506.6	2592.9	3136.0	2993.5	2708.3
100°	702.1	535.3	368.5	535.3	702.1	743.8	1647.9	2853.3	3456.0	3466.4	3487.2
102.5°	756.8	601.2	445.6	601.2	756.8	795.8	1712.6	2935.2	3546.5	3728.2	4091.5
105°	839.9	708.1	576.3	708.1	839.9	872.8	1760.7	2944.5	3536.4	3943.7	4758.2
107.5°	956.0	833.2	710.3	833.2	956.0	986.7	1769.6	2813.4	3335.4	3903.5	5039.6
110°	1022.6	911.7	800.8	911.7	1022.6	1050.4	1756.2	2697.3	3167.9	3803.0	5073.2



TEST NUMBER: P936154

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1101.1	995.3	889.6	995.3	1101.1	1127.5	1756.8	2595.9	3015.4	3665.4	4965.4
115°	1218.7	1121.1	1023.6	1121.1	1218.7	1243.1	1773.0	2479.6	2832.9	3459.0	4711.3
117.5°	1333.1	1244.5	1155.9	1244.5	1333.1	1355.2	1805.8	2406.7	2707.2	3272.3	4402.5
120°	1399.7	1316.4	1232.9	1316.4	1399.7	1420.6	1832.7	2382.2	2656.9	3173.3	4205.9
122.5°	1476.6	1392.5	1308.3	1392.5	1476.6	1497.7	1871.3	2369.4	2618.4	3083.4	4013.3
125°	1577.4	1500.6	1424.0	1500.6	1577.4	1596.5	1923.2	2358.8	2576.5	2971.5	3761.5
127.5°	1672.6	1595.2	1517.7	1595.2	1672.6	1692.0	1975.1	2352.6	2541.3	2880.5	3558.8
130°	1734.8	1651.4	1568.0	1651.4	1734.8	1755.6	2013.0	2356.3	2527.9	2829.8	3433.7
132.5°	1786.7	1703.3	1620.0	1703.3	1786.7	1807.5	2043.7	2358.7	2516.2	2786.5	3327.1
135°	1848.9	1772.9	1697.0	1772.9	1848.9	1867.9	2077.3	2356.6	2496.1	2722.5	3175.1
137.5°	1926.2	1851.0	1775.8	1851.0	1926.2	1945.0	2127.5	2371.0	2492.7	2684.1	3066.8
140°	1979.6	1910.3	1841.1	1910.3	1979.6	1996.9	2158.2	2373.4	2481.0	2646.3	2976.9
142.5°	2019.4	1955.4	1891.3	1955.4	2019.4	2035.4	2183.9	2382.0	2481.0	2626.2	2916.6
145°	2080.1	2024.3	1968.4	2024.3	2080.1	2094.0	2217.4	2382.0	2464.3	2583.0	2820.5
147.5°	2154.1	2099.8	2045.4	2099.8	2154.1	2167.7	2266.6	2398.4	2464.3	2557.7	2744.6
150°	2194.1	2144.9	2095.7	2144.9	2194.1	2206.3	2292.3	2407.0	2464.3	2543.2	2701.1
152.5°	2222.1	2184.9	2147.7	2184.9	2222.1	2231.4	2309.0	2412.5	2464.3	2531.7	2666.4
155°	2279.8	2252.3	2224.8	2252.3	2279.8	2286.7	2345.9	2424.8	2464.3	2517.9	2625.1
157.5°	2335.2	2308.5	2281.7	2308.5	2335.2	2342.0	2382.7	2437.0	2464.3	2506.0	2589.3
160°	2361.9	2341.1	2320.2	2341.1	2361.9	2367.1	2399.5	2442.7	2464.3	2500.0	2571.4
162.5°	2389.9	2374.4	2358.7	2374.4	2389.9	2393.9	2417.3	2448.6	2464.3	2494.4	2554.8
165°	2428.9	2414.7	2400.6	2414.7	2428.9	2432.5	2443.0	2457.2	2464.3	2485.8	2529.0
167.5°	2452.5	2445.9	2439.2	2445.9	2452.5	2454.2	2463.2	2475.1	2481.0	2495.1	2523.4
170°	2477.7	2471.0	2464.3	2471.0	2477.7	2479.4	2479.9	2480.6	2481.0	2495.1	2523.4
172.5°	2480.6	2479.1	2477.7	2479.1	2480.6	2481.0	2481.0	2481.0	2481.0	2492.2	2514.6
175°	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2491.1	2484.4	2481.0	2488.1	2502.2
177.5°	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2492.2	2487.0	2484.4	2490.0	2501.1
180°	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1



TEST NUMBER: P936154

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4636.0	4622.4	4640.6	4590.6	4640.6	4622.4	4636.0	4667.9	4640.6	4658.8	4676.9
5°	4067.9	4045.2	3972.4	3913.4	3972.4	4045.2	4067.9	4163.4	4208.8	4290.6	4399.7
7.5°	3636.1	3618.0	3599.8	3563.4	3599.8	3618.0	3636.1	3663.3	3708.8	3781.5	3863.4
10°	3540.7	3545.2	3572.5	3567.9	3572.5	3545.2	3540.7	3531.6	3517.9	3531.6	3581.6
12.5°	3786.1	3827.0	3977.0	3967.9	3977.0	3827.0	3786.1	3604.3	3481.6	3458.9	3467.9
15°	4067.9	4081.5	4113.3	4117.9	4113.3	4081.5	4067.9	3995.2	3627.0	3467.9	3417.9
17.5°	4095.2	4099.7	4122.5	4122.5	4122.5	4099.7	4095.2	4063.4	3940.6	3727.0	3445.3
20°	4072.4	4081.5	4127.0	4136.1	4127.0	4081.5	4072.4	4031.5	3963.4	3886.1	3672.5
22.5°	4063.4	4081.5	4117.9	4113.3	4117.9	4081.5	4063.4	3999.7	3940.6	3886.1	3799.7
25°	4017.9	4017.9	4022.5	4027.0	4022.5	4017.9	4017.9	3967.9	3849.8	3836.1	3786.1
27.5°	3922.5	3931.6	3958.8	3954.2	3958.8	3931.6	3922.5	3904.3	3777.1	3763.4	3727.0
30°	3836.1	3827.0	3804.3	3786.1	3804.3	3827.0	3836.1	3808.8	3681.5	3645.2	3654.3
32.5°	3690.7	3667.9	3645.2	3631.6	3645.2	3667.9	3690.7	3681.5	3586.1	3536.1	3545.2
35°	3517.9	3522.5	3517.9	3504.3	3517.9	3522.5	3517.9	3527.0	3467.9	3422.5	3417.9
37.5°	3395.2	3404.3	3399.8	3381.6	3399.8	3404.3	3395.2	3386.2	3304.3	3290.7	3299.8
40°	3268.0	3272.5	3268.0	3254.3	3268.0	3272.5	3268.0	3249.8	3136.2	3140.7	3172.5
42.5°	3145.2	3140.7	3127.1	3117.9	3127.1	3140.7	3145.2	3117.9	2972.5	2958.9	3018.0
45°	3004.3	3008.9	2981.6	2968.0	2981.6	3008.9	3004.3	2986.1	2836.2	2799.8	2840.7
47.5°	2863.5	2863.5	2840.7	2827.0	2840.7	2863.5	2863.5	2840.7	2681.6	2645.3	2668.0
50°	2713.4	2708.9	2677.1	2672.5	2677.1	2708.9	2713.4	2699.8	2531.7	2499.8	2499.8
52.5°	2540.7	2540.7	2545.3	2554.3	2545.3	2540.7	2540.7	2545.3	2395.3	2363.4	2354.4
55°	2390.8	2395.3	2427.1	2436.2	2427.1	2395.3	2390.8	2390.8	2254.4	2222.6	2204.3
57.5°	2236.2	2236.2	2259.0	2259.0	2259.0	2236.2	2236.2	2227.1	2095.3	2068.1	2058.9
60°	2058.9	2068.1	2086.3	2081.7	2086.3	2068.1	2058.9	2049.8	1936.2	1918.0	1886.2
62.5°	1872.6	1881.7	1886.2	1877.1	1886.2	1881.7	1872.6	1845.3	1777.1	1763.5	1722.6
65°	1677.2	1686.2	1690.8	1681.7	1690.8	1686.2	1677.2	1663.5	1613.5	1590.8	1554.4
67.5°	1477.2	1472.6	1468.0	1486.2	1468.0	1472.6	1477.2	1459.0	1427.2	1409.0	1359.0
70°	1272.6	1272.6	1268.1	1277.2	1268.1	1272.6	1272.6	1259.0	1240.8	1227.2	1181.7
72.5°	1054.5	1049.9	1068.1	1054.5	1068.1	1049.9	1054.5	1049.9	1040.8	1027.2	981.7
75°	840.9	849.9	840.9	854.5	840.9	849.9	840.9	845.4	840.9	831.7	800.0
77.5°	640.9	650.0	640.9	640.9	640.9	650.0	640.9	645.4	645.4	645.4	618.1
80°	454.5	450.0	450.0	445.4	450.0	450.0	454.5	454.5	459.0	450.0	440.9
82.5°	290.9	286.3	286.3	295.5	286.3	286.3	290.9	295.5	286.3	286.3	286.3
85°	159.1	163.7	154.5	154.5	154.5	163.7	159.1	150.0	159.1	159.1	154.5
87.5°	59.1	54.5	54.5	54.5	54.5	54.5	59.1	63.7	63.7	63.7	68.1
90°	63.7	63.7	63.7	63.7	63.7	63.7	63.7	84.9	113.2	127.3	109.4
92.5°	318.3	305.7	255.0	204.4	255.0	305.7	318.3	451.1	628.3	717.0	629.5
95°	1080.6	1042.2	888.8	735.4	888.8	1042.2	1080.6	1419.0	1870.1	2095.7	1770.0
97.5°	2494.4	2421.5	2129.6	1837.7	2129.6	2421.5	2494.4	2708.3	2993.5	3136.0	2592.9
100°	3502.9	3416.0	3068.3	2720.6	3068.3	3416.0	3502.9	3487.2	3466.4	3456.0	2853.3
102.5°	4364.0	4289.5	3991.7	3693.9	3991.7	4289.5	4364.0	4091.5	3728.2	3546.5	2935.2
105°	5369.1	5329.1	5169.1	5009.0	5169.1	5329.1	5369.1	4758.2	3943.7	3536.4	2944.5
107.5°	5891.8	5901.4	5940.2	5978.9	5940.2	5901.4	5891.8	5039.6	3903.5	3335.4	2813.4
110°	6025.8	6067.5	6234.3	6401.1	6234.3	6067.5	6025.8	5073.2	3803.0	3167.9	2697.3



TEST NUMBER: P936154

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5940.4	6004.4	6260.6	6516.7	6260.6	6004.4	5940.4	4965.4	3665.4	3015.4	2595.9
115°	5650.6	5739.4	6094.5	6449.6	6094.5	5739.4	5650.6	4711.3	3459.0	2832.9	2479.6
117.5°	5250.2	5348.7	5742.5	6136.4	5742.5	5348.7	5250.2	4402.5	3272.3	2707.2	2406.7
120°	4980.4	5076.2	5458.8	5841.6	5458.8	5076.2	4980.4	4205.9	3173.3	2656.9	2382.2
122.5°	4710.8	4805.1	5182.7	5560.2	5182.7	4805.1	4710.8	4013.3	3083.4	2618.4	2369.4
125°	4353.9	4440.8	4788.6	5136.3	4788.6	4440.8	4353.9	3761.5	2971.5	2576.5	2358.8
127.5°	4067.5	4140.8	4434.2	4727.5	4434.2	4140.8	4067.5	3558.8	2880.5	2541.3	2352.6
130°	3886.5	3954.3	4225.3	4496.3	4225.3	3954.3	3886.5	3433.7	2829.8	2527.9	2356.3
132.5°	3732.5	3793.2	4035.8	4278.5	4035.8	3793.2	3732.5	3327.1	2786.5	2516.2	2358.7
135°	3514.6	3566.9	3776.2	3985.4	3776.2	3566.9	3514.6	3175.1	2722.5	2496.1	2356.6
137.5°	3353.8	3396.6	3567.9	3739.1	3567.9	3396.6	3353.8	3066.8	2684.1	2492.7	2371.0
140°	3224.8	3264.8	3424.9	3585.0	3424.9	3264.8	3224.8	2976.9	2646.3	2481.0	2373.4
142.5°	3134.4	3168.9	3306.6	3444.3	3306.6	3168.9	3134.4	2916.6	2626.2	2481.0	2382.0
145°	2998.7	3024.7	3129.0	3233.2	3129.0	3024.7	2998.7	2820.5	2583.0	2464.3	2382.0
147.5°	2884.8	2906.4	2992.8	3079.1	2992.8	2906.4	2884.8	2744.6	2557.7	2464.3	2398.4
150°	2819.4	2836.9	2906.9	2976.9	2906.9	2836.9	2819.4	2701.1	2543.2	2464.3	2407.0
152.5°	2767.5	2780.7	2833.6	2886.4	2833.6	2780.7	2767.5	2666.4	2531.7	2464.3	2412.5
155°	2705.5	2714.3	2749.2	2784.2	2749.2	2714.3	2705.5	2625.1	2517.9	2464.3	2424.8
157.5°	2651.9	2658.1	2682.6	2707.2	2682.6	2658.1	2651.9	2589.3	2506.0	2464.3	2437.0
160°	2625.1	2628.6	2642.8	2656.9	2642.8	2628.6	2625.1	2571.4	2500.0	2464.3	2442.7
162.5°	2600.0	2603.3	2616.7	2630.2	2616.7	2603.3	2600.0	2554.8	2494.4	2464.3	2448.6
165°	2561.4	2565.0	2579.1	2593.3	2579.1	2565.0	2561.4	2529.0	2485.8	2464.3	2457.2
167.5°	2544.7	2546.2	2552.1	2558.1	2552.1	2546.2	2544.7	2523.4	2495.1	2481.0	2475.1
170°	2544.7	2544.7	2544.7	2544.7	2544.7	2544.7	2544.7	2523.4	2495.1	2481.0	2480.6
172.5°	2531.3	2530.0	2524.8	2519.6	2524.8	2530.0	2531.3	2514.6	2492.2	2481.0	2481.0
175°	2512.9	2512.9	2512.9	2512.9	2512.9	2512.9	2512.9	2502.2	2488.1	2481.0	2484.4
177.5°	2509.5	2507.9	2502.0	2496.1	2502.0	2507.9	2509.5	2501.1	2490.0	2484.4	2487.0
180°	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1	2496.1



TEST NUMBER: P936154

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4804.2	4804.2	4804.2	4804.2	4804.2
2.5°	4745.2	4767.9	4781.5	4799.7	4845.2
5°	4563.3	4649.7	4676.9	4745.2	4826.9
7.5°	4163.4	4427.0	4499.7	4663.3	4790.5
10°	3777.1	4040.6	4167.9	4554.3	4745.2
12.5°	3581.6	3736.1	3822.4	4363.3	4681.5
15°	3458.9	3567.9	3631.6	4108.8	4608.8
17.5°	3363.4	3440.7	3486.2	3858.8	4508.8
20°	3304.3	3340.7	3381.6	3677.0	4395.2
22.5°	3263.4	3240.7	3272.5	3549.7	4240.6
25°	3236.1	3149.8	3186.1	3449.7	4058.8
27.5°	3258.8	3068.0	3081.6	3358.9	3867.9
30°	3263.4	2968.0	2972.5	3263.4	3654.3
32.5°	3231.6	2863.5	2868.0	3145.2	3413.4
35°	3154.4	2740.7	2736.2	3008.9	3086.1
37.5°	3049.8	2608.9	2608.9	2858.9	2727.1
40°	2922.6	2477.1	2490.8	2663.5	2408.9
42.5°	2767.9	2336.2	2354.4	2404.4	2172.6
45°	2599.8	2199.9	2213.5	2031.6	1990.7
47.5°	2413.5	2058.9	2063.5	1686.2	1931.7
50°	2190.7	1913.5	1895.3	1445.4	1927.2
52.5°	1995.3	1754.5	1699.8	1309.0	1749.9
55°	1804.4	1586.2	1468.0	1204.5	1622.6
57.5°	1636.3	1368.1	1254.4	1081.7	1595.4
60°	1481.7	1154.5	1068.1	949.9	1463.6
62.5°	1354.4	995.4	977.2	859.1	1327.2
65°	1218.1	886.3	881.8	781.8	1127.2
67.5°	1086.3	813.6	809.0	709.0	859.1
70°	945.4	736.3	727.3	631.7	636.3
72.5°	800.0	650.0	640.9	568.2	527.2
75°	654.5	550.0	545.4	495.4	427.2
77.5°	513.6	436.4	445.4	399.9	313.6
80°	368.2	318.2	327.2	286.3	236.4
82.5°	245.4	209.1	218.2	181.8	159.1
85°	136.4	118.2	122.7	95.4	72.7
87.5°	63.7	54.5	54.5	36.3	22.7
90°	73.7	46.9	43.6	30.2	16.7
92.5°	454.5	323.3	294.8	180.9	67.0
95°	1118.5	629.9	577.7	369.2	160.8
97.5°	1506.6	691.9	645.9	462.0	278.1
100°	1647.9	743.8	702.1	535.3	368.5
102.5°	1712.6	795.8	756.8	601.2	445.6
105°	1760.7	872.8	839.9	708.1	576.3
107.5°	1769.6	986.7	956.0	833.2	710.3
110°	1756.2	1050.4	1022.6	911.7	800.8



TEST NUMBER: P936154

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1756.8	1127.5	1101.1	995.3	889.6
115°	1773.0	1243.1	1218.7	1121.1	1023.6
117.5°	1805.8	1355.2	1333.1	1244.5	1155.9
120°	1832.7	1420.6	1399.7	1316.4	1232.9
122.5°	1871.3	1497.7	1476.6	1392.5	1308.3
125°	1923.2	1596.5	1577.4	1500.6	1424.0
127.5°	1975.1	1692.0	1672.6	1595.2	1517.7
130°	2013.0	1755.6	1734.8	1651.4	1568.0
132.5°	2043.7	1807.5	1786.7	1703.3	1620.0
135°	2077.3	1867.9	1848.9	1772.9	1697.0
137.5°	2127.5	1945.0	1926.2	1851.0	1775.8
140°	2158.2	1996.9	1979.6	1910.3	1841.1
142.5°	2183.9	2035.4	2019.4	1955.4	1891.3
145°	2217.4	2094.0	2080.1	2024.3	1968.4
147.5°	2266.6	2167.7	2154.1	2099.8	2045.4
150°	2292.3	2206.3	2194.1	2144.9	2095.7
152.5°	2309.0	2231.4	2222.1	2184.9	2147.7
155°	2345.9	2286.7	2279.8	2252.3	2224.8
157.5°	2382.7	2342.0	2335.2	2308.5	2281.7
160°	2399.5	2367.1	2361.9	2341.1	2320.2
162.5°	2417.3	2393.9	2389.9	2374.4	2358.7
165°	2443.0	2432.5	2428.9	2414.7	2400.6
167.5°	2463.2	2454.2	2452.5	2445.9	2439.2
170°	2479.9	2479.4	2477.7	2471.0	2464.3
172.5°	2481.0	2481.0	2480.6	2479.1	2477.7
175°	2491.1	2496.1	2496.1	2496.1	2496.1
177.5°	2492.2	2496.1	2496.1	2496.1	2496.1
180°	2496.1	2496.1	2496.1	2496.1	2496.1



TEST NUMBER: P936154
 CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-12-3500K

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	13.56	14.36	14.57	15.38	16.75	16.41	17.21	17.42	18.24	19.60
	3H	14.03	14.75	15.05	15.78	17.16	17.76	18.48	18.78	19.51	20.89
	4H	14.22	14.90	15.25	15.93	17.32	18.20	18.89	19.24	19.92	21.31
	6H	14.33	14.96	15.38	16.00	17.40	18.49	19.12	19.53	20.16	21.56
	8H	14.33	14.93	15.38	15.99	17.38	18.57	19.16	19.61	20.22	21.61
	12H	14.30	14.87	15.36	15.92	17.34	18.61	19.18	19.66	20.22	21.64
4H	2H	14.59	15.27	15.63	16.30	17.69	16.81	17.49	17.85	18.53	19.91
	3H	15.61	16.18	16.66	17.24	18.64	18.32	18.89	19.37	19.95	21.35
	4H	15.88	16.41	16.94	17.46	18.88	18.85	19.37	19.90	20.42	21.84
	6H	16.01	16.45	17.07	17.53	18.95	19.21	19.66	20.28	20.74	22.16
	8H	16.01	16.43	17.08	17.50	18.93	19.32	19.74	20.39	20.81	22.24
	12H	15.97	16.35	17.06	17.43	18.87	19.38	19.76	20.46	20.84	22.28
8H	4H	16.34	16.76	17.40	17.82	19.26	18.97	19.39	20.03	20.45	21.89
	6H	16.60	16.94	17.68	18.05	19.48	19.41	19.75	20.49	20.86	22.29
	8H	16.64	16.94	17.73	18.03	19.49	19.56	19.86	20.66	20.96	22.41
	12H	16.62	16.89	17.72	17.97	19.47	19.66	19.93	20.76	21.02	22.51
12H	4H	16.34	16.72	17.42	17.80	19.24	18.93	19.31	20.01	20.39	21.83
	6H	16.66	16.96	17.75	18.05	19.50	19.40	19.71	20.50	20.80	22.25
	8H	16.72	16.99	17.82	18.08	19.57	19.57	19.83	20.66	20.92	22.41