

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: P936126

Luminaire Tested: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936126
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-92765-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

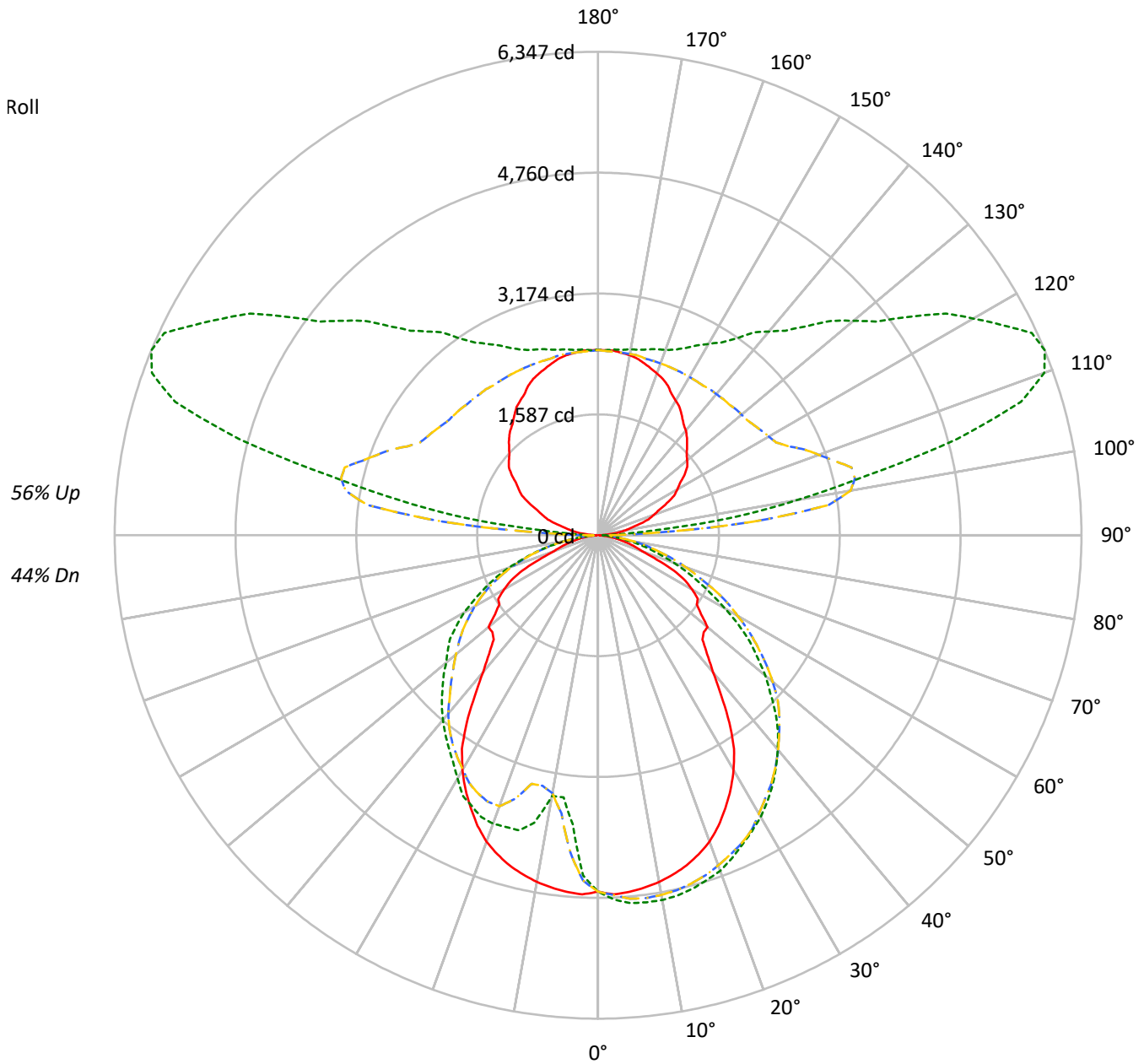
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27902.5 lumens
Efficiency: N/A
Efficacy: 111.8 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

TEST NUMBER: P936126
CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14473	14473	14473	14473
5°	14587	14610	14587	11488
10°	14495	14392	14495	10289
15°	14343	14080	14343	11757
20°	14048	13711	14048	11781
25°	13440	13172	13440	11532
30°	12651	12725	12651	10984
35°	11284	12159	11284	10381
40°	9408	11493	9408	9926
45°	8412	10713	8412	9403
50°	8944	9783	8944	8877
55°	8422	8782	8422	8574
60°	8693	7458	8693	7853
65°	7894	6166	7894	6891
70°	5480	4913	5480	5777
75°	4823	3632	4823	4349
80°	3915	2401	3915	2614
85°	2294	1272	2294	1081

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12884 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.4	1.5
10°-20°	1199.3	4.3
20°-30°	1853.9	6.6
30°-40°	2213.1	7.9
40°-50°	2226.1	8.0
50°-60°	1937.0	6.9
60°-70°	1373.3	4.9
70°-80°	726.6	2.6
80°-90°	190.2	0.7
90°-100°	1185.1	4.2
100°-110°	3115.7	11.2
110°-120°	3230.6	11.6
120°-130°	2591.4	9.3
130°-140°	2033.3	7.3
140°-150°	1560.6	5.6
150°-160°	1123.9	4.0
160°-170°	687.7	2.5
170°-180°	232.3	0.8
0°-30°	3475.5	12.5
0°-40°	5688.7	20.4
0°-60°	9851.7	35.3
0°-90°	12141.9	43.5
90°-120°	7531.4	27.0
90°-150°	13716.7	49.2
90°-180°	15761.0	56.5
0°-180°	27902.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4679	4679	4679	4679	4679	
5°	4701	4848	4701	3812	4701	446
15°	4489	4803	4489	4011	4489	1263
25°	3953	4480	3953	3922	3953	1815
35°	3006	3998	3006	3413	3006	1860
45°	1939	3294	1939	2891	1939	1553
55°	1580	2430	1580	2373	1580	1452
65°	1098	1465	1098	1638	1098	1049
75°	416	695	416	832	416	438
85°	71	177	71	150	71	96
90°	16	62	16	62	16	16
95°	157	716	157	716	157	174
105°	561	4879	561	4879	561	595
115°	997	6282	997	6282	997	985
125°	1387	5003	1387	5003	1387	1231
135°	1653	3882	1653	3882	1653	1279
145°	1917	3149	1917	3149	1917	1201
155°	2167	2712	2167	2712	2167	996
165°	2338	2526	2338	2526	2338	660
175°	2431	2448	2431	2448	2431	231
180°	2431	2431	2431	2431	2431	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4719.2	4719.2	4745.7	4754.6	4754.6	4741.2	4728.0	4741.2	4781.1	4794.4	4790.0
5°	4701.4	4736.9	4785.5	4794.4	4803.3	4798.8	4790.0	4798.8	4843.1	4852.0	4856.4
7.5°	4666.0	4732.4	4794.4	4807.7	4821.0	4807.7	4803.3	4812.1	4856.4	4865.3	4865.3
10°	4621.8	4714.7	4785.5	4794.4	4807.7	4794.4	4794.4	4812.1	4856.4	4865.3	4869.7
12.5°	4559.8	4688.1	4754.6	4763.4	4781.1	4776.7	4772.3	4790.0	4834.2	4843.1	4843.1
15°	4489.0	4639.5	4701.4	4710.3	4741.2	4732.4	4732.4	4750.1	4798.8	4812.1	4807.7
17.5°	4391.6	4577.5	4648.3	4661.6	4683.7	4679.3	4683.7	4701.4	4745.7	4754.6	4759.0
20°	4280.9	4493.3	4577.5	4590.7	4612.9	4612.9	4612.9	4635.0	4679.3	4697.0	4697.0
22.5°	4130.4	4404.8	4493.3	4502.2	4528.8	4528.8	4537.6	4568.6	4608.4	4612.9	4612.9
25°	3953.3	4307.4	4382.7	4409.3	4435.9	4449.1	4462.4	4480.1	4493.3	4489.0	4493.3
27.5°	3767.4	4183.5	4280.9	4298.6	4334.0	4347.3	4365.0	4369.4	4373.9	4387.1	4378.3
30°	3559.3	4010.8	4156.9	4174.6	4232.2	4241.1	4223.3	4232.2	4254.3	4263.2	4272.0
32.5°	3324.6	3754.1	4028.5	4068.4	4121.5	4095.0	4090.5	4103.8	4139.2	4139.2	4148.1
35°	3005.9	3554.8	3909.0	3944.4	3984.2	3953.3	3971.0	3975.4	3997.6	4010.8	4006.4
37.5°	2656.2	3382.2	3785.1	3811.7	3842.6	3802.8	3829.4	3842.6	3860.3	3851.4	3851.4
40°	2346.3	3112.1	3639.0	3656.7	3683.2	3652.3	3678.8	3687.7	3696.6	3687.7	3683.2
42.5°	2116.1	2815.5	3484.0	3506.2	3488.5	3510.5	3519.4	3537.1	3523.9	3506.2	3506.2
45°	1939.0	2735.8	3315.8	3342.3	3315.8	3351.2	3364.5	3364.5	3324.6	3315.8	3311.4
47.5°	1881.5	2576.5	3147.6	3147.6	3134.3	3178.6	3200.7	3169.7	3129.9	3116.6	3116.6
50°	1877.1	2399.4	2917.4	2899.7	2961.6	3014.8	2992.6	2961.6	2930.6	2882.0	2882.0
52.5°	1704.4	2182.5	2620.7	2687.2	2784.6	2815.5	2780.1	2749.2	2696.0	2673.9	2656.2
55°	1580.4	1956.8	2350.7	2483.6	2585.3	2625.2	2558.8	2527.8	2448.1	2434.8	2426.0
57.5°	1553.9	1629.1	2102.8	2271.0	2395.0	2390.6	2350.7	2293.2	2226.7	2213.5	2209.0
60°	1425.5	1177.6	1837.2	2036.4	2164.8	2151.5	2116.1	2063.0	2001.0	1992.2	1983.3
62.5°	1292.7	854.4	1536.2	1761.9	1943.4	1939.0	1908.0	1828.3	1784.1	1761.9	1744.2
65°	1097.9	717.2	1093.4	1465.4	1726.5	1735.3	1669.0	1611.4	1562.7	1536.2	1531.7
67.5°	836.7	584.3	739.3	1221.8	1518.5	1509.6	1425.5	1398.9	1336.9	1323.7	1297.1
70°	619.8	389.5	513.5	991.7	1314.8	1292.7	1226.3	1195.3	1137.7	1106.7	1089.0
72.5°	513.5	314.3	376.3	770.3	1106.7	1080.2	1022.6	987.2	938.5	912.0	894.3
75°	416.1	332.0	287.8	571.1	898.6	880.9	827.8	792.4	752.6	717.2	721.6
77.5°	305.5	309.9	230.2	420.6	712.7	686.2	655.2	610.9	593.2	557.8	557.8
80°	230.2	243.5	172.7	287.8	513.5	513.5	486.9	456.0	425.0	407.2	407.2
82.5°	155.0	155.0	128.4	181.5	349.8	336.4	318.7	309.9	292.2	283.3	283.3
85°	70.8	88.5	79.7	110.7	190.4	199.2	199.2	190.4	185.9	177.1	181.5
87.5°	22.1	39.9	48.7	62.0	97.4	101.9	106.2	106.2	106.2	110.7	110.7
90°	16.3	29.4	42.5	45.7	71.8	106.6	124.0	110.2	82.7	62.0	62.0
92.5°	65.2	176.2	287.2	314.9	442.7	613.1	698.3	612.0	439.4	310.0	297.7
95°	156.6	359.6	562.7	613.5	1089.4	1724.0	2041.3	1821.5	1382.1	1052.5	1015.1
97.5°	270.9	450.0	629.1	673.9	1467.5	2525.5	3054.5	2915.6	2637.9	2429.6	2358.5
100°	358.9	521.4	683.8	724.5	1605.1	2779.1	3366.1	3376.3	3396.6	3411.8	3327.2
102.5°	434.0	585.6	737.1	775.1	1668.1	2858.9	3454.3	3631.2	3985.1	4250.6	4178.0
105°	561.3	689.7	818.1	850.1	1714.9	2867.9	3444.4	3841.1	4634.5	5229.5	5190.5
107.5°	691.9	811.5	931.2	961.1	1723.6	2740.3	3248.7	3802.0	4908.6	5738.6	5748.0
110°	779.9	888.0	996.0	1023.1	1710.6	2627.2	3085.5	3704.1	4941.3	5869.1	5909.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	866.5	969.4	1072.4	1098.2	1711.1	2528.4	2937.0	3570.1	4836.3	5785.9	5848.3
115°	997.0	1092.0	1187.0	1210.7	1726.9	2415.1	2759.2	3369.1	4588.8	5503.7	5590.2
117.5°	1125.9	1212.1	1298.5	1320.0	1758.9	2344.1	2636.8	3187.2	4288.1	5113.7	5209.6
120°	1200.9	1282.2	1363.3	1383.7	1785.1	2320.2	2587.8	3090.8	4096.6	4851.0	4944.2
122.5°	1274.3	1356.3	1438.2	1458.7	1822.6	2307.8	2550.4	3003.2	3909.0	4588.3	4680.2
125°	1387.0	1461.6	1536.3	1555.0	1873.2	2297.5	2509.5	2894.3	3663.7	4240.7	4325.4
127.5°	1478.3	1553.7	1629.1	1648.0	1923.7	2291.4	2475.3	2805.6	3466.2	3961.7	4033.2
130°	1527.3	1608.5	1689.7	1710.0	1960.7	2295.0	2462.2	2756.2	3344.4	3785.5	3851.5
132.5°	1577.9	1659.0	1740.2	1760.5	1990.6	2297.4	2450.8	2714.0	3240.6	3635.4	3694.5
135°	1652.9	1726.8	1800.8	1819.3	2023.3	2295.3	2431.2	2651.7	3092.6	3423.3	3474.2
137.5°	1729.6	1802.8	1876.1	1894.4	2072.2	2309.3	2427.9	2614.3	2987.1	3266.6	3308.3
140°	1793.3	1860.7	1928.2	1945.0	2102.1	2311.7	2416.5	2577.5	2899.5	3141.0	3180.0
142.5°	1842.2	1904.5	1966.9	1982.5	2127.2	2320.0	2416.5	2557.9	2840.7	3052.9	3086.5
145°	1917.3	1971.7	2026.0	2039.6	2159.8	2320.0	2400.2	2515.8	2747.2	2920.7	2946.1
147.5°	1992.2	2045.2	2098.1	2111.4	2207.6	2336.0	2400.2	2491.2	2673.2	2809.8	2830.8
150°	2041.3	2089.1	2137.0	2149.0	2232.7	2344.4	2400.2	2477.1	2630.8	2746.1	2763.1
152.5°	2091.8	2128.1	2164.3	2173.4	2249.0	2349.8	2400.2	2465.9	2597.1	2695.5	2708.5
155°	2166.9	2193.8	2220.5	2227.3	2284.9	2361.7	2400.2	2452.4	2556.9	2635.2	2643.7
157.5°	2222.4	2248.5	2274.5	2281.1	2320.7	2373.7	2400.2	2440.8	2522.0	2583.0	2589.0
160°	2259.9	2280.2	2300.5	2305.6	2337.1	2379.2	2400.2	2435.0	2504.6	2556.8	2560.3
162.5°	2297.4	2312.6	2327.8	2331.6	2354.5	2384.9	2400.2	2429.6	2488.3	2532.4	2535.6
165°	2338.2	2352.0	2365.7	2369.2	2379.5	2393.3	2400.2	2421.2	2463.2	2494.8	2498.3
167.5°	2375.8	2382.3	2388.8	2390.4	2399.1	2410.7	2416.5	2430.3	2457.8	2478.5	2480.0
170°	2400.2	2406.7	2413.3	2414.9	2415.4	2416.1	2416.5	2430.3	2457.8	2478.5	2478.5
172.5°	2413.3	2414.7	2416.1	2416.5	2416.5	2416.5	2416.5	2427.4	2449.2	2465.5	2464.2
175°	2431.2	2431.2	2431.2	2431.2	2426.3	2419.8	2416.5	2423.4	2437.2	2447.5	2447.5
177.5°	2431.2	2431.2	2431.2	2431.2	2427.4	2422.3	2419.8	2425.2	2436.1	2444.2	2442.7
180°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4798.8	4785.5	4798.8	4790.0	4794.4	4781.1	4741.2	4728.0	4741.2	4754.6	4754.6
5°	4856.4	4847.5	4856.4	4856.4	4852.0	4843.1	4798.8	4790.0	4798.8	4803.3	4794.4
7.5°	4874.1	4860.8	4874.1	4865.3	4865.3	4856.4	4812.1	4803.3	4807.7	4821.0	4807.7
10°	4874.1	4860.8	4874.1	4869.7	4865.3	4856.4	4812.1	4794.4	4794.4	4807.7	4794.4
12.5°	4852.0	4843.1	4852.0	4843.1	4843.1	4834.2	4790.0	4772.3	4776.7	4781.1	4763.4
15°	4816.5	4803.3	4816.5	4807.7	4812.1	4798.8	4750.1	4732.4	4732.4	4741.2	4710.3
17.5°	4763.4	4745.7	4763.4	4759.0	4754.6	4745.7	4701.4	4683.7	4679.3	4683.7	4661.6
20°	4701.4	4688.1	4701.4	4697.0	4697.0	4679.3	4635.0	4612.9	4612.9	4612.9	4590.7
22.5°	4604.1	4590.7	4604.1	4612.9	4612.9	4608.4	4568.6	4537.6	4528.8	4528.8	4502.2
25°	4493.3	4480.1	4493.3	4493.3	4489.0	4493.3	4480.1	4462.4	4449.1	4435.9	4409.3
27.5°	4387.1	4378.3	4387.1	4378.3	4387.1	4373.9	4369.4	4365.0	4347.3	4334.0	4298.6
30°	4280.9	4272.0	4280.9	4272.0	4263.2	4254.3	4232.2	4223.3	4241.1	4232.2	4174.6
32.5°	4148.1	4139.2	4148.1	4148.1	4139.2	4139.2	4103.8	4090.5	4095.0	4121.5	4068.4
35°	4010.8	3997.6	4010.8	4006.4	4010.8	3997.6	3975.4	3971.0	3953.3	3984.2	3944.4
37.5°	3851.4	3838.2	3851.4	3851.4	3851.4	3860.3	3842.6	3829.4	3802.8	3842.6	3811.7
40°	3687.7	3670.0	3687.7	3683.2	3687.7	3696.6	3687.7	3678.8	3652.3	3683.2	3656.7
42.5°	3501.7	3497.3	3501.7	3506.2	3506.2	3523.9	3537.1	3519.4	3510.5	3488.5	3506.2
45°	3302.5	3293.7	3302.5	3311.4	3315.8	3324.6	3364.5	3364.5	3351.2	3315.8	3342.3
47.5°	3090.1	3067.9	3090.1	3116.6	3116.6	3129.9	3169.7	3200.7	3178.6	3134.3	3147.6
50°	2864.3	2868.6	2864.3	2882.0	2882.0	2930.6	2961.6	2992.6	3014.8	2961.6	2899.7
52.5°	2642.9	2638.5	2642.9	2656.2	2673.9	2696.0	2749.2	2780.1	2815.5	2784.6	2687.2
55°	2421.6	2430.4	2421.6	2426.0	2434.8	2448.1	2527.8	2558.8	2625.2	2585.3	2483.6
57.5°	2200.2	2186.9	2200.2	2209.0	2213.5	2226.7	2293.2	2350.7	2390.6	2395.0	2271.0
60°	1943.4	1925.7	1943.4	1983.3	1992.2	2001.0	2063.0	2116.1	2151.5	2164.8	2036.4
62.5°	1717.6	1686.7	1717.6	1744.2	1761.9	1784.1	1828.3	1908.0	1939.0	1943.4	1761.9
65°	1478.6	1465.4	1478.6	1531.7	1536.2	1562.7	1611.4	1669.0	1735.3	1726.5	1465.4
67.5°	1261.7	1261.7	1261.7	1297.1	1323.7	1336.9	1398.9	1425.5	1509.6	1518.5	1221.8
70°	1062.5	1058.0	1062.5	1089.0	1106.7	1137.7	1195.3	1226.3	1292.7	1314.8	991.7
72.5°	872.1	867.7	872.1	894.3	912.0	938.5	987.2	1022.6	1080.2	1106.7	770.3
75°	703.9	695.0	703.9	721.6	717.2	752.6	792.4	827.8	880.9	898.6	571.1
77.5°	540.1	540.1	540.1	557.8	557.8	593.2	610.9	655.2	686.2	712.7	420.6
80°	402.9	398.4	402.9	407.2	407.2	425.0	456.0	486.9	513.5	513.5	287.8
82.5°	283.3	274.4	283.3	283.3	283.3	292.2	309.9	318.7	336.4	349.8	181.5
85°	177.1	177.1	177.1	181.5	177.1	185.9	190.4	199.2	199.2	190.4	110.7
87.5°	115.1	110.7	115.1	110.7	110.7	106.2	106.2	106.2	101.9	97.4	62.0
90°	62.0	62.0	62.0	62.0	62.0	82.7	110.2	124.0	106.6	71.8	45.7
92.5°	248.4	199.1	248.4	297.7	310.0	439.4	612.0	698.3	613.1	442.7	314.9
95°	865.7	716.3	865.7	1015.1	1052.5	1382.1	1821.5	2041.3	1724.0	1089.4	613.5
97.5°	2074.2	1789.9	2074.2	2358.5	2429.6	2637.9	2915.6	3054.5	2525.5	1467.5	673.9
100°	2988.5	2649.8	2988.5	3327.2	3411.8	3396.6	3376.3	3366.1	2779.1	1605.1	724.5
102.5°	3888.0	3597.8	3888.0	4178.0	4250.6	3985.1	3631.2	3454.3	2858.9	1668.1	775.1
105°	5034.7	4878.8	5034.7	5190.5	5229.5	4634.5	3841.1	3444.4	2867.9	1714.9	850.1
107.5°	5785.8	5823.4	5785.8	5748.0	5738.6	4908.6	3802.0	3248.7	2740.3	1723.6	961.1
110°	6072.2	6234.7	6072.2	5909.8	5869.1	4941.3	3704.1	3085.5	2627.2	1710.6	1023.1



TEST NUMBER: P936126

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6097.8	6347.3	6097.8	5848.3	5785.9	4836.3	3570.1	2937.0	2528.4	1711.1	1098.2
115°	5936.0	6282.0	5936.0	5590.2	5503.7	4588.8	3369.1	2759.2	2415.1	1726.9	1210.7
117.5°	5593.2	5976.8	5593.2	5209.6	5113.7	4288.1	3187.2	2636.8	2344.1	1758.9	1320.0
120°	5316.9	5689.7	5316.9	4944.2	4851.0	4096.6	3090.8	2587.8	2320.2	1785.1	1383.7
122.5°	5047.9	5415.6	5047.9	4680.2	4588.3	3909.0	3003.2	2550.4	2307.8	1822.6	1458.7
125°	4664.1	5002.8	4664.1	4325.4	4240.7	3663.7	2894.3	2509.5	2297.5	1873.2	1555.0
127.5°	4318.9	4604.6	4318.9	4033.2	3961.7	3466.2	2805.6	2475.3	2291.4	1923.7	1648.0
130°	4115.5	4379.4	4115.5	3851.5	3785.5	3344.4	2756.2	2462.2	2295.0	1960.7	1710.0
132.5°	3930.9	4167.3	3930.9	3694.5	3635.4	3240.6	2714.0	2450.8	2297.4	1990.6	1760.5
135°	3678.0	3881.8	3678.0	3474.2	3423.3	3092.6	2651.7	2431.2	2295.3	2023.3	1819.3
137.5°	3475.1	3641.9	3475.1	3308.3	3266.6	2987.1	2614.3	2427.9	2309.3	2072.2	1894.4
140°	3335.9	3491.8	3335.9	3180.0	3141.0	2899.5	2577.5	2416.5	2311.7	2102.1	1945.0
142.5°	3220.6	3354.7	3220.6	3086.5	3052.9	2840.7	2557.9	2416.5	2320.0	2127.2	1982.5
145°	3047.7	3149.2	3047.7	2946.1	2920.7	2747.2	2515.8	2400.2	2320.0	2159.8	2039.6
147.5°	2914.9	2999.0	2914.9	2830.8	2809.8	2673.2	2491.2	2400.2	2336.0	2207.6	2111.4
150°	2831.3	2899.5	2831.3	2763.1	2746.1	2630.8	2477.1	2400.2	2344.4	2232.7	2149.0
152.5°	2759.9	2811.4	2759.9	2708.5	2695.5	2597.1	2465.9	2400.2	2349.8	2249.0	2173.4
155°	2677.8	2711.9	2677.8	2643.7	2635.2	2556.9	2452.4	2400.2	2361.7	2284.9	2227.3
157.5°	2612.9	2636.8	2612.9	2589.0	2583.0	2522.0	2440.8	2400.2	2373.7	2320.7	2281.1
160°	2574.1	2587.8	2574.1	2560.3	2556.8	2504.6	2435.0	2400.2	2379.2	2337.1	2305.6
162.5°	2548.7	2561.8	2548.7	2535.6	2532.4	2488.3	2429.6	2400.2	2384.9	2354.5	2331.6
165°	2512.1	2525.8	2512.1	2498.3	2494.8	2463.2	2421.2	2400.2	2393.3	2379.5	2369.2
167.5°	2485.7	2491.6	2485.7	2480.0	2478.5	2457.8	2430.3	2416.5	2410.7	2399.1	2390.4
170°	2478.5	2478.5	2478.5	2478.5	2478.5	2457.8	2430.3	2416.5	2416.1	2415.4	2414.9
172.5°	2459.1	2454.1	2459.1	2464.2	2465.5	2449.2	2427.4	2416.5	2416.5	2416.5	2416.5
175°	2447.5	2447.5	2447.5	2447.5	2447.5	2437.2	2423.4	2416.5	2419.8	2426.3	2431.2
177.5°	2437.0	2431.2	2437.0	2442.7	2444.2	2436.1	2425.2	2419.8	2422.3	2427.4	2431.2
180°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2



TEST NUMBER: P936126

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4745.7	4719.2	4719.2	4674.9	4657.2	4643.9	4621.8	4555.3	4537.6	4519.9	4546.5
5°	4785.5	4736.9	4701.4	4621.8	4555.3	4528.8	4444.7	4285.3	4179.0	4099.3	4055.1
7.5°	4794.4	4732.4	4666.0	4542.1	4382.7	4311.9	4055.1	3762.9	3683.2	3612.4	3568.1
10°	4785.5	4714.7	4621.8	4435.9	4059.5	3935.6	3678.8	3488.5	3439.7	3426.5	3439.7
12.5°	4754.6	4688.1	4559.8	4249.9	3723.1	3639.0	3488.5	3377.7	3368.9	3391.1	3510.5
15°	4701.4	4639.5	4489.0	4001.9	3537.1	3475.1	3368.9	3329.1	3377.7	3532.7	3891.3
17.5°	4648.3	4577.5	4391.6	3758.5	3395.5	3351.2	3276.0	3355.7	3630.1	3838.2	3957.7
20°	4577.5	4493.3	4280.9	3581.4	3293.7	3253.8	3218.4	3577.0	3785.1	3860.3	3926.7
22.5°	4493.3	4404.8	4130.4	3457.4	3187.5	3156.4	3178.6	3700.9	3785.1	3838.2	3895.7
25°	4382.7	4307.4	3953.3	3360.0	3103.3	3067.9	3152.0	3687.7	3736.3	3749.7	3864.8
27.5°	4280.9	4183.5	3767.4	3271.5	3001.5	2988.2	3174.1	3630.1	3665.5	3678.8	3802.8
30°	4156.9	4010.8	3559.3	3178.6	2895.2	2890.8	3178.6	3559.3	3550.4	3585.8	3709.8
32.5°	4028.5	3754.1	3324.6	3063.5	2793.4	2789.0	3147.6	3453.0	3444.2	3492.8	3585.8
35°	3909.0	3554.8	3005.9	2930.6	2665.0	2669.5	3072.4	3329.1	3333.5	3377.7	3435.3
37.5°	3785.1	3382.2	2656.2	2784.6	2541.1	2541.1	2970.5	3214.0	3205.2	3218.4	3298.1
40°	3639.0	3112.1	2346.3	2594.2	2426.0	2412.7	2846.6	3090.1	3059.0	3054.6	3165.3
42.5°	3484.0	2815.5	2116.1	2341.8	2293.2	2275.5	2696.0	2939.5	2882.0	2895.2	3036.9
45°	3315.8	2735.8	1939.0	1978.8	2155.9	2142.7	2532.2	2766.9	2727.0	2762.4	2908.5
47.5°	3147.6	2576.5	1881.5	1642.4	2009.9	2005.4	2350.7	2598.7	2576.5	2611.9	2766.9
50°	2917.4	2399.4	1877.1	1407.8	1846.0	1863.7	2133.8	2434.8	2434.8	2465.9	2629.6
52.5°	2620.7	2182.5	1704.4	1275.0	1655.6	1708.8	1943.4	2293.2	2302.0	2333.0	2479.1
55°	2350.7	1956.8	1580.4	1173.1	1429.9	1545.0	1757.5	2147.0	2164.8	2195.8	2328.6
57.5°	2102.8	1629.1	1553.9	1053.6	1221.8	1332.6	1593.7	2005.4	2014.3	2040.8	2169.2
60°	1837.2	1177.6	1425.5	925.2	1040.3	1124.5	1443.2	1837.2	1868.2	1885.9	1996.5
62.5°	1536.2	854.4	1292.7	836.7	951.8	969.5	1319.2	1677.8	1717.6	1730.9	1797.3
65°	1093.4	717.2	1097.9	761.5	858.9	863.2	1186.4	1514.0	1549.4	1571.6	1620.2
67.5°	739.3	584.3	836.7	690.6	788.0	792.4	1058.0	1323.7	1372.3	1390.1	1421.1
70°	513.5	389.5	619.8	615.3	708.4	717.2	920.8	1151.0	1195.3	1208.6	1226.3
72.5°	376.3	314.3	513.5	553.4	624.2	633.1	779.2	956.2	1000.5	1013.7	1022.6
75°	287.8	332.0	416.1	482.5	531.2	535.7	637.5	779.2	810.1	819.0	823.4
77.5°	230.2	309.9	305.5	389.5	433.8	425.0	500.3	602.1	628.6	628.6	628.6
80°	172.7	243.5	230.2	278.9	318.7	309.9	358.6	429.4	438.3	447.1	442.7
82.5°	128.4	155.0	155.0	177.1	212.5	203.6	239.0	278.9	278.9	278.9	287.8
85°	79.7	88.5	70.8	93.0	119.6	115.1	132.8	150.5	155.0	155.0	146.1
87.5°	48.7	39.9	22.1	35.4	53.1	53.1	62.0	66.4	62.0	62.0	62.0
90°	42.5	29.4	16.3	29.4	42.5	45.7	71.8	106.6	124.0	110.2	82.7
92.5°	287.2	176.2	65.2	176.2	287.2	314.9	442.7	613.1	698.3	612.0	439.4
95°	562.7	359.6	156.6	359.6	562.7	613.5	1089.4	1724.0	2041.3	1821.5	1382.1
97.5°	629.1	450.0	270.9	450.0	629.1	673.9	1467.5	2525.5	3054.5	2915.6	2637.9
100°	683.8	521.4	358.9	521.4	683.8	724.5	1605.1	2779.1	3366.1	3376.3	3396.6
102.5°	737.1	585.6	434.0	585.6	737.1	775.1	1668.1	2858.9	3454.3	3631.2	3985.1
105°	818.1	689.7	561.3	689.7	818.1	850.1	1714.9	2867.9	3444.4	3841.1	4634.5
107.5°	931.2	811.5	691.9	811.5	931.2	961.1	1723.6	2740.3	3248.7	3802.0	4908.6
110°	996.0	888.0	779.9	888.0	996.0	1023.1	1710.6	2627.2	3085.5	3704.1	4941.3



TEST NUMBER: P936126

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1072.4	969.4	866.5	969.4	1072.4	1098.2	1711.1	2528.4	2937.0	3570.1	4836.3
115°	1187.0	1092.0	997.0	1092.0	1187.0	1210.7	1726.9	2415.1	2759.2	3369.1	4588.8
117.5°	1298.5	1212.1	1125.9	1212.1	1298.5	1320.0	1758.9	2344.1	2636.8	3187.2	4288.1
120°	1363.3	1282.2	1200.9	1282.2	1363.3	1383.7	1785.1	2320.2	2587.8	3090.8	4096.6
122.5°	1438.2	1356.3	1274.3	1356.3	1438.2	1458.7	1822.6	2307.8	2550.4	3003.2	3909.0
125°	1536.3	1461.6	1387.0	1461.6	1536.3	1555.0	1873.2	2297.5	2509.5	2894.3	3663.7
127.5°	1629.1	1553.7	1478.3	1553.7	1629.1	1648.0	1923.7	2291.4	2475.3	2805.6	3466.2
130°	1689.7	1608.5	1527.3	1608.5	1689.7	1710.0	1960.7	2295.0	2462.2	2756.2	3344.4
132.5°	1740.2	1659.0	1577.9	1659.0	1740.2	1760.5	1990.6	2297.4	2450.8	2714.0	3240.6
135°	1800.8	1726.8	1652.9	1726.8	1800.8	1819.3	2023.3	2295.3	2431.2	2651.7	3092.6
137.5°	1876.1	1802.8	1729.6	1802.8	1876.1	1894.4	2072.2	2309.3	2427.9	2614.3	2987.1
140°	1928.2	1860.7	1793.3	1860.7	1928.2	1945.0	2102.1	2311.7	2416.5	2577.5	2899.5
142.5°	1966.9	1904.5	1842.2	1904.5	1966.9	1982.5	2127.2	2320.0	2416.5	2557.9	2840.7
145°	2026.0	1971.7	1917.3	1971.7	2026.0	2039.6	2159.8	2320.0	2400.2	2515.8	2747.2
147.5°	2098.1	2045.2	1992.2	2045.2	2098.1	2111.4	2207.6	2336.0	2400.2	2491.2	2673.2
150°	2137.0	2089.1	2041.3	2089.1	2137.0	2149.0	2232.7	2344.4	2400.2	2477.1	2630.8
152.5°	2164.3	2128.1	2091.8	2128.1	2164.3	2173.4	2249.0	2349.8	2400.2	2465.9	2597.1
155°	2220.5	2193.8	2166.9	2193.8	2220.5	2227.3	2284.9	2361.7	2400.2	2452.4	2556.9
157.5°	2274.5	2248.5	2222.4	2248.5	2274.5	2281.1	2320.7	2373.7	2400.2	2440.8	2522.0
160°	2300.5	2280.2	2259.9	2280.2	2300.5	2305.6	2337.1	2379.2	2400.2	2435.0	2504.6
162.5°	2327.8	2312.6	2297.4	2312.6	2327.8	2331.6	2354.5	2384.9	2400.2	2429.6	2488.3
165°	2365.7	2352.0	2338.2	2352.0	2365.7	2369.2	2379.5	2393.3	2400.2	2421.2	2463.2
167.5°	2388.8	2382.3	2375.8	2382.3	2388.8	2390.4	2399.1	2410.7	2416.5	2430.3	2457.8
170°	2413.3	2406.7	2400.2	2406.7	2413.3	2414.9	2415.4	2416.1	2416.5	2430.3	2457.8
172.5°	2416.1	2414.7	2413.3	2414.7	2416.1	2416.5	2416.5	2416.5	2416.5	2427.4	2449.2
175°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2426.3	2419.8	2416.5	2423.4	2437.2
177.5°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2427.4	2422.3	2419.8	2425.2	2436.1
180°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2



TEST NUMBER: P936126

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4515.5	4502.2	4519.9	4471.3	4519.9	4502.2	4515.5	4546.5	4519.9	4537.6	4555.3
5°	3962.2	3940.0	3869.1	3811.7	3869.1	3940.0	3962.2	4055.1	4099.3	4179.0	4285.3
7.5°	3541.6	3523.9	3506.2	3470.8	3506.2	3523.9	3541.6	3568.1	3612.4	3683.2	3762.9
10°	3448.6	3453.0	3479.6	3475.1	3479.6	3453.0	3448.6	3439.7	3426.5	3439.7	3488.5
12.5°	3687.7	3727.5	3873.6	3864.8	3873.6	3727.5	3687.7	3510.5	3391.1	3368.9	3377.7
15°	3962.2	3975.4	4006.4	4010.8	4006.4	3975.4	3962.2	3891.3	3532.7	3377.7	3329.1
17.5°	3988.7	3993.1	4015.3	4015.3	4015.3	3993.1	3988.7	3957.7	3838.2	3630.1	3355.7
20°	3966.5	3975.4	4019.7	4028.5	4019.7	3975.4	3966.5	3926.7	3860.3	3785.1	3577.0
22.5°	3957.7	3975.4	4010.8	4006.4	4010.8	3975.4	3957.7	3895.7	3838.2	3785.1	3700.9
25°	3913.4	3913.4	3917.9	3922.3	3917.9	3913.4	3913.4	3864.8	3749.7	3736.3	3687.7
27.5°	3820.5	3829.4	3855.9	3851.4	3855.9	3829.4	3820.5	3802.8	3678.8	3665.5	3630.1
30°	3736.3	3727.5	3705.4	3687.7	3705.4	3727.5	3736.3	3709.8	3585.8	3550.4	3559.3
32.5°	3594.7	3572.5	3550.4	3537.1	3550.4	3572.5	3594.7	3585.8	3492.8	3444.2	3453.0
35°	3426.5	3430.9	3426.5	3413.2	3426.5	3430.9	3426.5	3435.3	3377.7	3333.5	3329.1
37.5°	3306.9	3315.8	3311.4	3293.7	3311.4	3315.8	3306.9	3298.1	3218.4	3205.2	3214.0
40°	3183.0	3187.5	3183.0	3169.7	3183.0	3187.5	3183.0	3165.3	3054.6	3059.0	3090.1
42.5°	3063.5	3059.0	3045.8	3036.9	3045.8	3059.0	3063.5	3036.9	2895.2	2882.0	2939.5
45°	2926.2	2930.6	2904.0	2890.8	2904.0	2930.6	2926.2	2908.5	2762.4	2727.0	2766.9
47.5°	2789.0	2789.0	2766.9	2753.5	2766.9	2789.0	2789.0	2766.9	2611.9	2576.5	2598.7
50°	2642.9	2638.5	2607.5	2603.0	2607.5	2638.5	2642.9	2629.6	2465.9	2434.8	2434.8
52.5°	2474.7	2474.7	2479.1	2487.9	2479.1	2474.7	2474.7	2479.1	2333.0	2302.0	2293.2
55°	2328.6	2333.0	2364.0	2372.9	2364.0	2333.0	2328.6	2328.6	2195.8	2164.8	2147.0
57.5°	2178.1	2178.1	2200.2	2200.2	2200.2	2178.1	2178.1	2169.2	2040.8	2014.3	2005.4
60°	2005.4	2014.3	2032.0	2027.6	2032.0	2014.3	2005.4	1996.5	1885.9	1868.2	1837.2
62.5°	1823.9	1832.8	1837.2	1828.3	1837.2	1832.8	1823.9	1797.3	1730.9	1717.6	1677.8
65°	1633.6	1642.4	1646.8	1637.9	1646.8	1642.4	1633.6	1620.2	1571.6	1549.4	1514.0
67.5°	1438.8	1434.3	1429.9	1447.6	1429.9	1434.3	1438.8	1421.1	1390.1	1372.3	1323.7
70°	1239.5	1239.5	1235.1	1244.0	1235.1	1239.5	1239.5	1226.3	1208.6	1195.3	1151.0
72.5°	1027.1	1022.6	1040.3	1027.1	1040.3	1022.6	1027.1	1022.6	1013.7	1000.5	956.2
75°	819.0	827.8	819.0	832.3	819.0	827.8	819.0	823.4	819.0	810.1	779.2
77.5°	624.2	633.1	624.2	624.2	624.2	633.1	624.2	628.6	628.6	628.6	602.1
80°	442.7	438.3	438.3	433.8	438.3	438.3	442.7	442.7	447.1	438.3	429.4
82.5°	283.3	278.9	278.9	287.8	278.9	278.9	283.3	287.8	278.9	278.9	278.9
85°	155.0	159.4	150.5	150.5	150.5	159.4	155.0	146.1	155.0	155.0	150.5
87.5°	57.6	53.1	53.1	53.1	53.1	53.1	57.6	62.0	62.0	62.0	66.4
90°	62.0	62.0	62.0	62.0	62.0	62.0	62.0	82.7	110.2	124.0	106.6
92.5°	310.0	297.7	248.4	199.1	248.4	297.7	310.0	439.4	612.0	698.3	613.1
95°	1052.5	1015.1	865.7	716.3	865.7	1015.1	1052.5	1382.1	1821.5	2041.3	1724.0
97.5°	2429.6	2358.5	2074.2	1789.9	2074.2	2358.5	2429.6	2637.9	2915.6	3054.5	2525.5
100°	3411.8	3327.2	2988.5	2649.8	2988.5	3327.2	3411.8	3396.6	3376.3	3366.1	2779.1
102.5°	4250.6	4178.0	3888.0	3597.8	3888.0	4178.0	4250.6	3985.1	3631.2	3454.3	2858.9
105°	5229.5	5190.5	5034.7	4878.8	5034.7	5190.5	5229.5	4634.5	3841.1	3444.4	2867.9
107.5°	5738.6	5748.0	5785.8	5823.4	5785.8	5748.0	5738.6	4908.6	3802.0	3248.7	2740.3
110°	5869.1	5909.8	6072.2	6234.7	6072.2	5909.8	5869.1	4941.3	3704.1	3085.5	2627.2



TEST NUMBER: P936126

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5785.9	5848.3	6097.8	6347.3	6097.8	5848.3	5785.9	4836.3	3570.1	2937.0	2528.4
115°	5503.7	5590.2	5936.0	6282.0	5936.0	5590.2	5503.7	4588.8	3369.1	2759.2	2415.1
117.5°	5113.7	5209.6	5593.2	5976.8	5593.2	5209.6	5113.7	4288.1	3187.2	2636.8	2344.1
120°	4851.0	4944.2	5316.9	5689.7	5316.9	4944.2	4851.0	4096.6	3090.8	2587.8	2320.2
122.5°	4588.3	4680.2	5047.9	5415.6	5047.9	4680.2	4588.3	3909.0	3003.2	2550.4	2307.8
125°	4240.7	4325.4	4664.1	5002.8	4664.1	4325.4	4240.7	3663.7	2894.3	2509.5	2297.5
127.5°	3961.7	4033.2	4318.9	4604.6	4318.9	4033.2	3961.7	3466.2	2805.6	2475.3	2291.4
130°	3785.5	3851.5	4115.5	4379.4	4115.5	3851.5	3785.5	3344.4	2756.2	2462.2	2295.0
132.5°	3635.4	3694.5	3930.9	4167.3	3930.9	3694.5	3635.4	3240.6	2714.0	2450.8	2297.4
135°	3423.3	3474.2	3678.0	3881.8	3678.0	3474.2	3423.3	3092.6	2651.7	2431.2	2295.3
137.5°	3266.6	3308.3	3475.1	3641.9	3475.1	3308.3	3266.6	2987.1	2614.3	2427.9	2309.3
140°	3141.0	3180.0	3335.9	3491.8	3335.9	3180.0	3141.0	2899.5	2577.5	2416.5	2311.7
142.5°	3052.9	3086.5	3220.6	3354.7	3220.6	3086.5	3052.9	2840.7	2557.9	2416.5	2320.0
145°	2920.7	2946.1	3047.7	3149.2	3047.7	2946.1	2920.7	2747.2	2515.8	2400.2	2320.0
147.5°	2809.8	2830.8	2914.9	2999.0	2914.9	2830.8	2809.8	2673.2	2491.2	2400.2	2336.0
150°	2746.1	2763.1	2831.3	2899.5	2831.3	2763.1	2746.1	2630.8	2477.1	2400.2	2344.4
152.5°	2695.5	2708.5	2759.9	2811.4	2759.9	2708.5	2695.5	2597.1	2465.9	2400.2	2349.8
155°	2635.2	2643.7	2677.8	2711.9	2677.8	2643.7	2635.2	2556.9	2452.4	2400.2	2361.7
157.5°	2583.0	2589.0	2612.9	2636.8	2612.9	2589.0	2583.0	2522.0	2440.8	2400.2	2373.7
160°	2556.8	2560.3	2574.1	2587.8	2574.1	2560.3	2556.8	2504.6	2435.0	2400.2	2379.2
162.5°	2532.4	2535.6	2548.7	2561.8	2548.7	2535.6	2532.4	2488.3	2429.6	2400.2	2384.9
165°	2494.8	2498.3	2512.1	2525.8	2512.1	2498.3	2494.8	2463.2	2421.2	2400.2	2393.3
167.5°	2478.5	2480.0	2485.7	2491.6	2485.7	2480.0	2478.5	2457.8	2430.3	2416.5	2410.7
170°	2478.5	2478.5	2478.5	2478.5	2478.5	2478.5	2478.5	2457.8	2430.3	2416.5	2416.1
172.5°	2465.5	2464.2	2459.1	2454.1	2459.1	2464.2	2465.5	2449.2	2427.4	2416.5	2416.5
175°	2447.5	2447.5	2447.5	2447.5	2447.5	2447.5	2447.5	2437.2	2423.4	2416.5	2419.8
177.5°	2444.2	2442.7	2437.0	2431.2	2437.0	2442.7	2444.2	2436.1	2425.2	2419.8	2422.3
180°	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2	2431.2



TEST NUMBER: P936126

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4621.8	4643.9	4657.2	4674.9	4719.2
5°	4444.7	4528.8	4555.3	4621.8	4701.4
7.5°	4055.1	4311.9	4382.7	4542.1	4666.0
10°	3678.8	3935.6	4059.5	4435.9	4621.8
12.5°	3488.5	3639.0	3723.1	4249.9	4559.8
15°	3368.9	3475.1	3537.1	4001.9	4489.0
17.5°	3276.0	3351.2	3395.5	3758.5	4391.6
20°	3218.4	3253.8	3293.7	3581.4	4280.9
22.5°	3178.6	3156.4	3187.5	3457.4	4130.4
25°	3152.0	3067.9	3103.3	3360.0	3953.3
27.5°	3174.1	2988.2	3001.5	3271.5	3767.4
30°	3178.6	2890.8	2895.2	3178.6	3559.3
32.5°	3147.6	2789.0	2793.4	3063.5	3324.6
35°	3072.4	2669.5	2665.0	2930.6	3005.9
37.5°	2970.5	2541.1	2541.1	2784.6	2656.2
40°	2846.6	2412.7	2426.0	2594.2	2346.3
42.5°	2696.0	2275.5	2293.2	2341.8	2116.1
45°	2532.2	2142.7	2155.9	1978.8	1939.0
47.5°	2350.7	2005.4	2009.9	1642.4	1881.5
50°	2133.8	1863.7	1846.0	1407.8	1877.1
52.5°	1943.4	1708.8	1655.6	1275.0	1704.4
55°	1757.5	1545.0	1429.9	1173.1	1580.4
57.5°	1593.7	1332.6	1221.8	1053.6	1553.9
60°	1443.2	1124.5	1040.3	925.2	1425.5
62.5°	1319.2	969.5	951.8	836.7	1292.7
65°	1186.4	863.2	858.9	761.5	1097.9
67.5°	1058.0	792.4	788.0	690.6	836.7
70°	920.8	717.2	708.4	615.3	619.8
72.5°	779.2	633.1	624.2	553.4	513.5
75°	637.5	535.7	531.2	482.5	416.1
77.5°	500.3	425.0	433.8	389.5	305.5
80°	358.6	309.9	318.7	278.9	230.2
82.5°	239.0	203.6	212.5	177.1	155.0
85°	132.8	115.1	119.6	93.0	70.8
87.5°	62.0	53.1	53.1	35.4	22.1
90°	71.8	45.7	42.5	29.4	16.3
92.5°	442.7	314.9	287.2	176.2	65.2
95°	1089.4	613.5	562.7	359.6	156.6
97.5°	1467.5	673.9	629.1	450.0	270.9
100°	1605.1	724.5	683.8	521.4	358.9
102.5°	1668.1	775.1	737.1	585.6	434.0
105°	1714.9	850.1	818.1	689.7	561.3
107.5°	1723.6	961.1	931.2	811.5	691.9
110°	1710.6	1023.1	996.0	888.0	779.9



TEST NUMBER: P936126

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1711.1	1098.2	1072.4	969.4	866.5
115°	1726.9	1210.7	1187.0	1092.0	997.0
117.5°	1758.9	1320.0	1298.5	1212.1	1125.9
120°	1785.1	1383.7	1363.3	1282.2	1200.9
122.5°	1822.6	1458.7	1438.2	1356.3	1274.3
125°	1873.2	1555.0	1536.3	1461.6	1387.0
127.5°	1923.7	1648.0	1629.1	1553.7	1478.3
130°	1960.7	1710.0	1689.7	1608.5	1527.3
132.5°	1990.6	1760.5	1740.2	1659.0	1577.9
135°	2023.3	1819.3	1800.8	1726.8	1652.9
137.5°	2072.2	1894.4	1876.1	1802.8	1729.6
140°	2102.1	1945.0	1928.2	1860.7	1793.3
142.5°	2127.2	1982.5	1966.9	1904.5	1842.2
145°	2159.8	2039.6	2026.0	1971.7	1917.3
147.5°	2207.6	2111.4	2098.1	2045.2	1992.2
150°	2232.7	2149.0	2137.0	2089.1	2041.3
152.5°	2249.0	2173.4	2164.3	2128.1	2091.8
155°	2284.9	2227.3	2220.5	2193.8	2166.9
157.5°	2320.7	2281.1	2274.5	2248.5	2222.4
160°	2337.1	2305.6	2300.5	2280.2	2259.9
162.5°	2354.5	2331.6	2327.8	2312.6	2297.4
165°	2379.5	2369.2	2365.7	2352.0	2338.2
167.5°	2399.1	2390.4	2388.8	2382.3	2375.8
170°	2415.4	2414.9	2413.3	2406.7	2400.2
172.5°	2416.5	2416.5	2416.1	2414.7	2413.3
175°	2426.3	2431.2	2431.2	2431.2	2431.2
177.5°	2427.4	2431.2	2431.2	2431.2	2431.2
180°	2431.2	2431.2	2431.2	2431.2	2431.2



TEST NUMBER: P936126
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.47	14.27	14.48	15.29	16.65	16.32	17.12	17.33	18.14	19.50
	3H	13.94	14.66	14.96	15.69	17.07	17.67	18.39	18.69	19.42	20.80
	4H	14.13	14.81	15.16	15.84	17.23	18.11	18.79	19.14	19.83	21.22
	6H	14.24	14.87	15.29	15.91	17.31	18.40	19.03	19.44	20.06	21.47
	8H	14.24	14.84	15.29	15.89	17.29	18.47	19.07	19.52	20.13	21.52
	12H	14.21	14.78	15.27	15.83	17.25	18.51	19.08	19.57	20.13	21.55
4H	2H	14.50	15.18	15.54	16.21	17.60	16.72	17.40	17.76	18.43	19.82
	3H	15.52	16.09	16.57	17.15	18.55	18.23	18.80	19.27	19.86	21.26
	4H	15.79	16.31	16.85	17.37	18.79	18.76	19.28	19.81	20.33	21.75
	6H	15.91	16.36	16.98	17.44	18.86	19.12	19.57	20.19	20.65	22.07
	8H	15.92	16.34	16.98	17.40	18.84	19.23	19.65	20.30	20.72	22.15
	12H	15.88	16.26	16.97	17.34	18.78	19.29	19.67	20.37	20.75	22.19
8H	4H	16.24	16.66	17.31	17.73	19.17	18.88	19.29	19.94	20.36	21.80
	6H	16.50	16.85	17.59	17.96	19.39	19.31	19.66	20.40	20.77	22.20
	8H	16.55	16.85	17.64	17.94	19.39	19.47	19.77	20.57	20.87	22.32
	12H	16.53	16.79	17.63	17.88	19.37	19.57	19.84	20.67	20.92	22.42
12H	4H	16.25	16.63	17.33	17.71	19.15	18.84	19.22	19.92	20.30	21.74
	6H	16.57	16.87	17.66	17.96	19.41	19.31	19.62	20.41	20.71	22.16
	8H	16.63	16.90	17.73	17.98	19.48	19.47	19.74	20.57	20.83	22.32