

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: P936125

Luminaire Tested: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936125
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-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

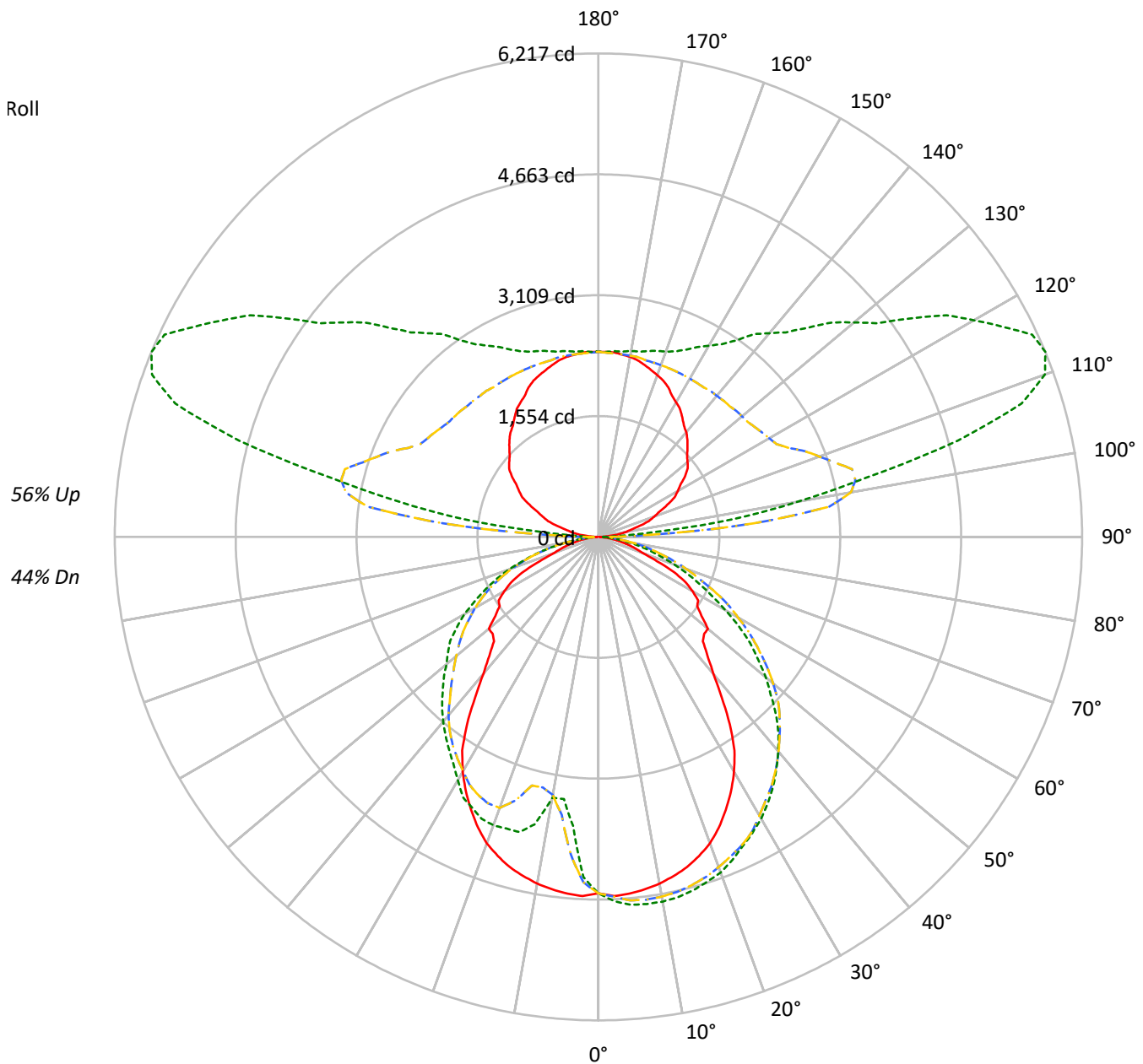
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27329.5 lumens
Efficiency: N/A
Efficacy: 109.5 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: P936125
CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-2700K

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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°	14177	14177	14177	14177
5°	14287	14310	14287	11252
10°	14197	14096	14197	10078
15°	14048	13791	14048	11516
20°	13760	13429	13760	11540
25°	13164	12901	13164	11295
30°	12392	12463	12392	10758
35°	11053	11909	11053	10168
40°	9215	11257	9215	9722
45°	8239	10493	8239	9210
50°	8760	9582	8760	8695
55°	8249	8601	8249	8398
60°	8514	7305	8514	7691
65°	7732	6039	7732	6750
70°	5367	4812	5367	5658
75°	4724	3557	4724	4260
80°	3835	2352	3835	2561
85°	2249	1246	2249	1059

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12619 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.7	1.5
10°-20°	1174.7	4.3
20°-30°	1815.8	6.6
30°-40°	2167.7	7.9
40°-50°	2180.4	8.0
50°-60°	1897.2	6.9
60°-70°	1345.1	4.9
70°-80°	711.7	2.6
80°-90°	186.3	0.7
90°-100°	1160.8	4.2
100°-110°	3051.7	11.2
110°-120°	3164.3	11.6
120°-130°	2538.1	9.3
130°-140°	1991.5	7.3
140°-150°	1528.6	5.6
150°-160°	1100.8	4.0
160°-170°	673.6	2.5
170°-180°	227.6	0.8
0°-30°	3404.2	12.5
0°-40°	5571.9	20.4
0°-60°	9649.4	35.3
0°-90°	11892.6	43.5
90°-120°	7376.7	27.0
90°-150°	13435.0	49.2
90°-180°	15437.0	56.5
0°-180°	27329.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4583	4583	4583	4583	4583	
5°	4605	4748	4605	3733	4605	437
15°	4397	4705	4397	3928	4397	1237
25°	3872	4388	3872	3842	3872	1778
35°	2944	3916	2944	3343	2944	1821
45°	1899	3226	1899	2831	1899	1521
55°	1548	2380	1548	2324	1548	1422
65°	1075	1435	1075	1604	1075	1028
75°	408	681	408	815	408	429
85°	69	174	69	147	69	94
90°	16	61	16	61	16	16
95°	153	702	153	702	153	170
105°	550	4779	550	4779	550	583
115°	976	6153	976	6153	976	964
125°	1358	4900	1358	4900	1358	1206
135°	1619	3802	1619	3802	1619	1253
145°	1878	3084	1878	3084	1878	1176
155°	2122	2656	2122	2656	2122	975
165°	2290	2474	2290	2474	2290	646
175°	2381	2397	2381	2397	2381	226
180°	2381	2381	2381	2381	2381	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4622.3	4622.3	4648.2	4657.0	4657.0	4643.9	4630.9	4643.9	4682.9	4696.0	4691.6
5°	4604.9	4639.6	4687.3	4696.0	4704.6	4700.3	4691.6	4700.3	4743.7	4752.4	4756.6
7.5°	4570.2	4635.3	4696.0	4709.0	4722.0	4709.0	4704.6	4713.3	4756.6	4765.4	4765.4
10°	4526.9	4617.9	4687.3	4696.0	4709.0	4696.0	4696.0	4713.3	4756.6	4765.4	4769.7
12.5°	4466.1	4591.9	4657.0	4665.6	4682.9	4678.6	4674.3	4691.6	4734.9	4743.7	4743.7
15°	4396.8	4544.2	4604.9	4613.6	4643.9	4635.3	4635.3	4652.6	4700.3	4713.3	4709.0
17.5°	4301.4	4483.5	4552.8	4565.9	4587.5	4583.3	4587.5	4604.9	4648.2	4657.0	4661.2
20°	4193.0	4401.1	4483.5	4496.5	4518.2	4518.2	4518.2	4539.9	4583.3	4600.6	4600.6
22.5°	4045.6	4314.4	4401.1	4409.8	4435.8	4435.8	4444.5	4474.8	4513.8	4518.2	4518.2
25°	3872.1	4219.0	4292.7	4318.7	4344.8	4357.8	4370.7	4388.1	4401.1	4396.8	4401.1
27.5°	3690.0	4097.6	4193.0	4210.3	4245.0	4258.0	4275.3	4279.7	4284.0	4297.0	4288.4
30°	3486.2	3928.5	4071.5	4088.9	4145.3	4154.0	4136.6	4145.3	4166.9	4175.7	4184.3
32.5°	3256.4	3677.0	3945.8	3984.8	4036.9	4010.9	4006.5	4019.5	4054.2	4054.2	4062.9
35°	2944.2	3481.9	3828.7	3863.4	3902.4	3872.1	3889.4	3893.8	3915.5	3928.5	3924.1
37.5°	2601.7	3312.7	3707.3	3733.4	3763.7	3724.7	3750.7	3763.7	3781.1	3772.3	3772.3
40°	2298.1	3048.2	3564.3	3581.6	3607.6	3577.3	3603.3	3611.9	3620.6	3611.9	3607.6
42.5°	2072.6	2757.7	3412.5	3434.2	3416.9	3438.5	3447.2	3464.5	3451.5	3434.2	3434.2
45°	1899.2	2679.7	3247.7	3273.7	3247.7	3282.4	3295.4	3295.4	3256.4	3247.7	3243.4
47.5°	1842.9	2523.6	3083.0	3083.0	3069.9	3113.3	3135.0	3104.6	3065.6	3052.6	3052.6
50°	1838.5	2350.1	2857.5	2840.1	2900.8	2952.9	2931.2	2900.8	2870.5	2822.8	2822.8
52.5°	1669.4	2137.7	2566.9	2632.0	2727.4	2757.7	2723.0	2692.7	2640.6	2619.0	2601.7
55°	1547.9	1916.6	2302.5	2432.6	2532.2	2571.3	2506.3	2475.9	2397.9	2384.8	2376.2
57.5°	1522.0	1595.7	2059.6	2224.4	2345.8	2341.5	2302.5	2246.1	2181.0	2168.0	2163.7
60°	1396.2	1153.4	1799.5	1994.6	2120.4	2107.3	2072.6	2020.6	1959.9	1951.3	1942.5
62.5°	1266.2	836.9	1504.6	1725.8	1903.5	1899.2	1868.8	1790.8	1747.5	1725.8	1708.4
65°	1075.3	702.4	1071.0	1435.3	1691.1	1699.7	1634.7	1578.3	1530.6	1504.6	1500.3
67.5°	819.5	572.4	724.1	1196.7	1487.3	1478.6	1396.2	1370.2	1309.5	1296.5	1270.4
70°	607.0	381.5	503.0	971.3	1287.8	1266.2	1201.1	1170.8	1114.4	1084.0	1066.6
72.5°	503.0	307.8	368.6	754.5	1084.0	1058.0	1001.6	967.0	919.2	893.2	875.9
75°	407.6	325.2	281.9	559.4	880.2	862.8	810.8	776.1	737.1	702.4	706.8
77.5°	299.2	303.6	225.5	411.9	698.1	672.1	641.7	598.4	581.1	546.4	546.4
80°	225.5	238.5	169.1	281.9	503.0	503.0	476.9	446.6	416.3	398.9	398.9
82.5°	151.8	151.8	125.7	177.7	342.6	329.5	312.2	303.6	286.2	277.5	277.5
85°	69.4	86.7	78.1	108.4	186.5	195.1	195.1	186.5	182.1	173.5	177.7
87.5°	21.7	39.0	47.7	60.7	95.4	99.8	104.0	104.0	104.0	108.4	108.4
90°	16.0	28.8	41.6	44.8	70.3	104.4	121.5	108.0	81.0	60.7	60.7
92.5°	63.9	172.5	281.3	308.4	433.6	600.5	684.0	599.4	430.4	303.6	291.6
95°	153.4	352.2	551.2	600.9	1067.1	1688.6	1999.3	1784.1	1353.7	1030.8	994.3
97.5°	265.3	440.7	616.2	660.1	1437.3	2473.6	2991.8	2855.8	2583.7	2379.7	2310.1
100°	351.6	510.7	669.8	709.6	1572.1	2722.0	3297.0	3306.9	3326.8	3341.8	3258.8
102.5°	425.1	573.5	722.0	759.1	1633.9	2800.2	3383.4	3556.7	3903.3	4163.3	4092.2
105°	549.8	675.5	801.3	832.7	1679.7	2809.1	3373.7	3762.3	4539.3	5122.1	5083.9
107.5°	677.7	794.9	912.0	941.3	1688.2	2684.0	3182.0	3723.9	4807.8	5620.8	5630.0
110°	763.9	869.8	975.6	1002.1	1675.5	2573.2	3022.2	3628.1	4839.8	5748.6	5788.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	848.7	949.5	1050.4	1075.6	1676.0	2476.5	2876.7	3496.8	4737.0	5667.1	5728.2
115°	976.5	1069.5	1162.6	1185.9	1691.4	2365.5	2702.5	3299.9	4494.6	5390.7	5475.4
117.5°	1102.8	1187.2	1271.8	1292.9	1722.8	2296.0	2582.6	3121.8	4200.0	5008.7	5102.6
120°	1176.2	1255.8	1335.3	1355.2	1748.4	2272.6	2534.7	3027.3	4012.4	4751.3	4842.6
122.5°	1248.1	1328.4	1408.7	1428.8	1785.2	2260.4	2498.0	2941.5	3828.7	4494.1	4584.1
125°	1358.5	1431.6	1504.8	1523.1	1834.8	2250.3	2458.0	2834.9	3588.4	4153.6	4236.6
127.5°	1447.9	1521.8	1595.7	1614.1	1884.2	2244.4	2424.4	2748.0	3395.1	3880.4	3950.3
130°	1495.9	1575.4	1655.0	1674.9	1920.4	2247.9	2411.6	2699.6	3275.8	3707.8	3772.4
132.5°	1545.5	1625.0	1704.5	1724.4	1949.7	2250.2	2400.4	2658.3	3174.0	3560.8	3618.7
135°	1618.9	1691.3	1763.9	1782.0	1981.7	2248.2	2381.3	2597.2	3029.1	3353.0	3402.8
137.5°	1694.1	1765.8	1837.6	1855.5	2029.7	2261.9	2378.1	2560.6	2925.7	3199.6	3240.4
140°	1756.4	1822.5	1888.6	1905.0	2059.0	2264.2	2366.9	2524.5	2840.0	3076.5	3114.7
142.5°	1804.3	1865.4	1926.5	1941.8	2083.5	2272.4	2366.9	2505.4	2782.4	2990.2	3023.1
145°	1877.9	1931.2	1984.4	1997.7	2115.4	2272.4	2350.9	2464.2	2690.8	2860.7	2885.6
147.5°	1951.3	2003.2	2055.0	2068.0	2162.3	2288.0	2350.9	2440.1	2618.3	2752.1	2772.7
150°	1999.3	2046.2	2093.1	2104.8	2186.8	2296.2	2350.9	2426.2	2576.8	2689.7	2706.4
152.5°	2048.9	2084.4	2119.9	2128.7	2202.8	2301.5	2350.9	2415.2	2543.8	2640.2	2652.8
155°	2122.4	2148.7	2175.0	2181.5	2238.0	2313.2	2350.9	2402.1	2504.4	2581.1	2589.5
157.5°	2176.7	2202.3	2227.8	2234.2	2273.1	2324.9	2350.9	2390.7	2470.2	2529.9	2535.8
160°	2213.5	2233.4	2253.3	2258.2	2289.1	2330.3	2350.9	2385.0	2453.1	2504.3	2507.7
162.5°	2250.2	2265.1	2280.0	2283.8	2306.1	2336.0	2350.9	2379.7	2437.3	2480.4	2483.5
165°	2290.2	2303.7	2317.2	2320.6	2330.7	2344.2	2350.9	2371.5	2412.7	2443.6	2447.0
167.5°	2327.0	2333.4	2339.7	2341.3	2349.9	2361.2	2366.9	2380.4	2407.4	2427.6	2429.1
170°	2350.9	2357.3	2363.7	2365.3	2365.8	2366.5	2366.9	2380.4	2407.4	2427.6	2427.6
172.5°	2363.7	2365.1	2366.5	2366.9	2366.9	2366.9	2366.9	2377.6	2398.9	2414.9	2413.6
175°	2381.3	2381.3	2381.3	2381.3	2376.5	2370.1	2366.9	2373.6	2387.1	2397.3	2397.3
177.5°	2381.3	2381.3	2381.3	2381.3	2377.6	2372.6	2370.1	2375.4	2386.1	2394.0	2392.6
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4700.3	4687.3	4700.3	4691.6	4696.0	4682.9	4643.9	4630.9	4643.9	4657.0	4657.0
5°	4756.6	4748.0	4756.6	4756.6	4752.4	4743.7	4700.3	4691.6	4700.3	4704.6	4696.0
7.5°	4774.0	4761.0	4774.0	4765.4	4765.4	4756.6	4713.3	4704.6	4709.0	4722.0	4709.0
10°	4774.0	4761.0	4774.0	4769.7	4765.4	4756.6	4713.3	4696.0	4696.0	4709.0	4696.0
12.5°	4752.4	4743.7	4752.4	4743.7	4743.7	4734.9	4691.6	4674.3	4678.6	4682.9	4665.6
15°	4717.6	4704.6	4717.6	4709.0	4713.3	4700.3	4652.6	4635.3	4635.3	4643.9	4613.6
17.5°	4665.6	4648.2	4665.6	4661.2	4657.0	4648.2	4604.9	4587.5	4583.3	4587.5	4565.9
20°	4604.9	4591.9	4604.9	4600.6	4600.6	4583.3	4539.9	4518.2	4518.2	4518.2	4496.5
22.5°	4509.5	4496.5	4509.5	4518.2	4518.2	4513.8	4474.8	4444.5	4435.8	4435.8	4409.8
25°	4401.1	4388.1	4401.1	4401.1	4396.8	4401.1	4388.1	4370.7	4357.8	4344.8	4318.7
27.5°	4297.0	4288.4	4297.0	4288.4	4297.0	4284.0	4279.7	4275.3	4258.0	4245.0	4210.3
30°	4193.0	4184.3	4193.0	4184.3	4175.7	4166.9	4145.3	4136.6	4154.0	4145.3	4088.9
32.5°	4062.9	4054.2	4062.9	4062.9	4054.2	4054.2	4019.5	4006.5	4010.9	4036.9	3984.8
35°	3928.5	3915.5	3928.5	3924.1	3928.5	3915.5	3893.8	3889.4	3872.1	3902.4	3863.4
37.5°	3772.3	3759.4	3772.3	3772.3	3772.3	3781.1	3763.7	3750.7	3724.7	3763.7	3733.4
40°	3611.9	3594.6	3611.9	3607.6	3611.9	3620.6	3611.9	3603.3	3577.3	3607.6	3581.6
42.5°	3429.8	3425.5	3429.8	3434.2	3434.2	3451.5	3464.5	3447.2	3438.5	3416.9	3434.2
45°	3234.7	3226.0	3234.7	3243.4	3247.7	3256.4	3295.4	3295.4	3282.4	3247.7	3273.7
47.5°	3026.6	3004.9	3026.6	3052.6	3052.6	3065.6	3104.6	3135.0	3113.3	3069.9	3083.0
50°	2805.5	2809.7	2805.5	2822.8	2822.8	2870.5	2900.8	2931.2	2952.9	2900.8	2840.1
52.5°	2588.6	2584.3	2588.6	2601.7	2619.0	2640.6	2692.7	2723.0	2757.7	2727.4	2632.0
55°	2371.8	2380.5	2371.8	2376.2	2384.8	2397.9	2475.9	2506.3	2571.3	2532.2	2432.6
57.5°	2155.1	2142.0	2155.1	2163.7	2168.0	2181.0	2246.1	2302.5	2341.5	2345.8	2224.4
60°	1903.5	1886.2	1903.5	1942.5	1951.3	1959.9	2020.6	2072.6	2107.3	2120.4	1994.6
62.5°	1682.4	1652.1	1682.4	1708.4	1725.8	1747.5	1790.8	1868.8	1899.2	1903.5	1725.8
65°	1448.3	1435.3	1448.3	1500.3	1504.6	1530.6	1578.3	1634.7	1699.7	1691.1	1435.3
67.5°	1235.8	1235.8	1235.8	1270.4	1296.5	1309.5	1370.2	1396.2	1478.6	1487.3	1196.7
70°	1040.7	1036.3	1040.7	1066.6	1084.0	1114.4	1170.8	1201.1	1266.2	1287.8	971.3
72.5°	854.2	849.9	854.2	875.9	893.2	919.2	967.0	1001.6	1058.0	1084.0	754.5
75°	689.5	680.7	689.5	706.8	702.4	737.1	776.1	810.8	862.8	880.2	559.4
77.5°	529.0	529.0	529.0	546.4	546.4	581.1	598.4	641.7	672.1	698.1	411.9
80°	394.6	390.3	394.6	398.9	398.9	416.3	446.6	476.9	503.0	503.0	281.9
82.5°	277.5	268.8	277.5	277.5	277.5	286.2	303.6	312.2	329.5	342.6	177.7
85°	173.5	173.5	173.5	177.7	173.5	182.1	186.5	195.1	195.1	186.5	108.4
87.5°	112.7	108.4	112.7	108.4	108.4	104.0	104.0	104.0	99.8	95.4	60.7
90°	60.7	60.7	60.7	60.7	60.7	81.0	108.0	121.5	104.4	70.3	44.8
92.5°	243.3	195.0	243.3	291.6	303.6	430.4	599.4	684.0	600.5	433.6	308.4
95°	847.9	701.6	847.9	994.3	1030.8	1353.7	1784.1	1999.3	1688.6	1067.1	600.9
97.5°	2031.6	1753.2	2031.6	2310.1	2379.7	2583.7	2855.8	2991.8	2473.6	1437.3	660.1
100°	2927.2	2595.4	2927.2	3258.8	3341.8	3326.8	3306.9	3297.0	2722.0	1572.1	709.6
102.5°	3808.1	3524.0	3808.1	4092.2	4163.3	3903.3	3556.7	3383.4	2800.2	1633.9	759.1
105°	4931.3	4778.6	4931.3	5083.9	5122.1	4539.3	3762.3	3373.7	2809.1	1679.7	832.7
107.5°	5667.0	5703.9	5667.0	5630.0	5620.8	4807.8	3723.9	3182.0	2684.0	1688.2	941.3
110°	5947.5	6106.7	5947.5	5788.4	5748.6	4839.8	3628.1	3022.2	2573.2	1675.5	1002.1



TEST NUMBER: P936125

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5972.6	6216.9	5972.6	5728.2	5667.1	4737.0	3496.8	2876.7	2476.5	1676.0	1075.6
115°	5814.1	6153.0	5814.1	5475.4	5390.7	4494.6	3299.9	2702.5	2365.5	1691.4	1185.9
117.5°	5478.4	5854.1	5478.4	5102.6	5008.7	4200.0	3121.8	2582.6	2296.0	1722.8	1292.9
120°	5207.7	5572.8	5207.7	4842.6	4751.3	4012.4	3027.3	2534.7	2272.6	1748.4	1355.2
122.5°	4944.3	5304.4	4944.3	4584.1	4494.1	3828.7	2941.5	2498.0	2260.4	1785.2	1428.8
125°	4568.3	4900.0	4568.3	4236.6	4153.6	3588.4	2834.9	2458.0	2250.3	1834.8	1523.1
127.5°	4230.2	4510.1	4230.2	3950.3	3880.4	3395.1	2748.0	2424.4	2244.4	1884.2	1614.1
130°	4031.0	4289.5	4031.0	3772.4	3707.8	3275.8	2699.6	2411.6	2247.9	1920.4	1674.9
132.5°	3850.2	4081.7	3850.2	3618.7	3560.8	3174.0	2658.3	2400.4	2250.2	1949.7	1724.4
135°	3602.5	3802.1	3602.5	3402.8	3353.0	3029.1	2597.2	2381.3	2248.2	1981.7	1782.0
137.5°	3403.8	3567.1	3403.8	3240.4	3199.6	2925.7	2560.6	2378.1	2261.9	2029.7	1855.5
140°	3267.4	3420.1	3267.4	3114.7	3076.5	2840.0	2524.5	2366.9	2264.2	2059.0	1905.0
142.5°	3154.5	3285.8	3154.5	3023.1	2990.2	2782.4	2505.4	2366.9	2272.4	2083.5	1941.8
145°	2985.1	3084.5	2985.1	2885.6	2860.7	2690.8	2464.2	2350.9	2272.4	2115.4	1997.7
147.5°	2855.1	2937.4	2855.1	2772.7	2752.1	2618.3	2440.1	2350.9	2288.0	2162.3	2068.0
150°	2773.2	2840.0	2773.2	2706.4	2689.7	2576.8	2426.2	2350.9	2296.2	2186.8	2104.8
152.5°	2703.2	2753.6	2703.2	2652.8	2640.2	2543.8	2415.2	2350.9	2301.5	2202.8	2128.7
155°	2622.8	2656.2	2622.8	2589.5	2581.1	2504.4	2402.1	2350.9	2313.2	2238.0	2181.5
157.5°	2559.2	2582.6	2559.2	2535.8	2529.9	2470.2	2390.7	2350.9	2324.9	2273.1	2234.2
160°	2521.2	2534.7	2521.2	2507.7	2504.3	2453.1	2385.0	2350.9	2330.3	2289.1	2258.2
162.5°	2496.4	2509.2	2496.4	2483.5	2480.4	2437.3	2379.7	2350.9	2336.0	2306.1	2283.8
165°	2460.5	2474.0	2460.5	2447.0	2443.6	2412.7	2371.5	2350.9	2344.2	2330.7	2320.6
167.5°	2434.7	2440.4	2434.7	2429.1	2427.6	2407.4	2380.4	2366.9	2361.2	2349.9	2341.3
170°	2427.6	2427.6	2427.6	2427.6	2427.6	2407.4	2380.4	2366.9	2366.5	2365.8	2365.3
172.5°	2408.6	2403.7	2408.6	2413.6	2414.9	2398.9	2377.6	2366.9	2366.9	2366.9	2366.9
175°	2397.3	2397.3	2397.3	2397.3	2397.3	2387.1	2373.6	2366.9	2370.1	2376.5	2381.3
177.5°	2386.9	2381.3	2386.9	2392.6	2394.0	2386.1	2375.4	2370.1	2372.6	2377.6	2381.3
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



TEST NUMBER: P936125

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4648.2	4622.3	4622.3	4578.9	4561.6	4548.6	4526.9	4461.8	4444.5	4427.1	4453.2
5°	4687.3	4639.6	4604.9	4526.9	4461.8	4435.8	4353.4	4197.3	4093.2	4015.2	3971.9
7.5°	4696.0	4635.3	4570.2	4448.8	4292.7	4223.3	3971.9	3685.6	3607.6	3538.2	3494.8
10°	4687.3	4617.9	4526.9	4344.8	3976.1	3854.8	3603.3	3416.9	3369.1	3356.1	3369.1
12.5°	4657.0	4591.9	4466.1	4162.6	3646.6	3564.3	3416.9	3308.4	3299.8	3321.4	3438.5
15°	4604.9	4544.2	4396.8	3919.8	3464.5	3403.8	3299.8	3260.7	3308.4	3460.2	3811.4
17.5°	4552.8	4483.5	4301.4	3681.3	3325.8	3282.4	3208.7	3286.8	3555.6	3759.4	3876.5
20°	4483.5	4401.1	4193.0	3507.9	3226.0	3187.0	3152.3	3503.5	3707.3	3781.1	3846.1
22.5°	4401.1	4314.4	4045.6	3386.4	3122.0	3091.6	3113.3	3624.9	3707.3	3759.4	3815.7
25°	4292.7	4219.0	3872.1	3291.0	3039.6	3004.9	3087.2	3611.9	3659.6	3672.7	3785.4
27.5°	4193.0	4097.6	3690.0	3204.3	2939.8	2926.8	3108.9	3555.6	3590.2	3603.3	3724.7
30°	4071.5	3928.5	3486.2	3113.3	2835.8	2831.4	3113.3	3486.2	3477.5	3512.2	3633.6
32.5°	3945.8	3677.0	3256.4	3000.6	2736.0	2731.8	3083.0	3382.1	3373.5	3421.1	3512.2
35°	3828.7	3481.9	2944.2	2870.5	2610.3	2614.7	3009.3	3260.7	3265.1	3308.4	3364.8
37.5°	3707.3	3312.7	2601.7	2727.4	2488.9	2488.9	2909.5	3148.0	3139.3	3152.3	3230.4
40°	3564.3	3048.2	2298.1	2540.9	2376.2	2363.1	2788.1	3026.6	2996.2	2991.9	3100.3
42.5°	3412.5	2757.7	2072.6	2293.8	2246.1	2228.8	2640.6	2879.2	2822.8	2835.8	2974.5
45°	3247.7	2679.7	1899.2	1938.2	2111.7	2098.7	2480.2	2710.1	2671.0	2705.7	2848.8
47.5°	3083.0	2523.6	1842.9	1608.7	1968.6	1964.2	2302.5	2545.3	2523.6	2558.3	2710.1
50°	2857.5	2350.1	1838.5	1378.9	1808.1	1825.4	2090.0	2384.8	2384.8	2415.2	2575.6
52.5°	2566.9	2137.7	1669.4	1248.8	1621.6	1673.7	1903.5	2246.1	2254.7	2285.1	2428.2
55°	2302.5	1916.6	1547.9	1149.1	1400.5	1513.3	1721.4	2102.9	2120.4	2150.7	2280.8
57.5°	2059.6	1595.7	1522.0	1032.0	1196.7	1305.2	1561.0	1964.2	1973.0	1998.9	2124.6
60°	1799.5	1153.4	1396.2	906.2	1019.0	1101.4	1413.6	1799.5	1829.8	1847.1	1955.5
62.5°	1504.6	836.9	1266.2	819.5	932.3	949.6	1292.1	1643.3	1682.4	1695.4	1760.4
65°	1071.0	702.4	1075.3	745.8	841.2	845.5	1162.0	1482.9	1517.6	1539.3	1587.0
67.5°	724.1	572.4	819.5	676.4	771.8	776.1	1036.3	1296.5	1344.1	1361.6	1391.9
70°	503.0	381.5	607.0	602.7	693.8	702.4	901.9	1127.4	1170.8	1183.7	1201.1
72.5°	368.6	307.8	503.0	542.0	611.4	620.1	763.2	936.6	979.9	992.9	1001.6
75°	281.9	325.2	407.6	472.6	520.3	524.7	624.4	763.2	793.5	802.2	806.5
77.5°	225.5	303.6	299.2	381.5	424.9	416.3	490.0	589.7	615.7	615.7	615.7
80°	169.1	238.5	225.5	273.2	312.2	303.6	351.2	420.6	429.3	437.9	433.6
82.5°	125.7	151.8	151.8	173.5	208.2	199.4	234.1	273.2	273.2	273.2	281.9
85°	78.1	86.7	69.4	91.1	117.1	112.7	130.1	147.4	151.8	151.8	143.1
87.5°	47.7	39.0	21.7	34.7	52.0	52.0	60.7	65.0	60.7	60.7	60.7
90°	41.6	28.8	16.0	28.8	41.6	44.8	70.3	104.4	121.5	108.0	81.0
92.5°	281.3	172.5	63.9	172.5	281.3	308.4	433.6	600.5	684.0	599.4	430.4
95°	551.2	352.2	153.4	352.2	551.2	600.9	1067.1	1688.6	1999.3	1784.1	1353.7
97.5°	616.2	440.7	265.3	440.7	616.2	660.1	1437.3	2473.6	2991.8	2855.8	2583.7
100°	669.8	510.7	351.6	510.7	669.8	709.6	1572.1	2722.0	3297.0	3306.9	3326.8
102.5°	722.0	573.5	425.1	573.5	722.0	759.1	1633.9	2800.2	3383.4	3556.7	3903.3
105°	801.3	675.5	549.8	675.5	801.3	832.7	1679.7	2809.1	3373.7	3762.3	4539.3
107.5°	912.0	794.9	677.7	794.9	912.0	941.3	1688.2	2684.0	3182.0	3723.9	4807.8
110°	975.6	869.8	763.9	869.8	975.6	1002.1	1675.5	2573.2	3022.2	3628.1	4839.8



TEST NUMBER: P936125

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1050.4	949.5	848.7	949.5	1050.4	1075.6	1676.0	2476.5	2876.7	3496.8	4737.0
115°	1162.6	1069.5	976.5	1069.5	1162.6	1185.9	1691.4	2365.5	2702.5	3299.9	4494.6
117.5°	1271.8	1187.2	1102.8	1187.2	1271.8	1292.9	1722.8	2296.0	2582.6	3121.8	4200.0
120°	1335.3	1255.8	1176.2	1255.8	1335.3	1355.2	1748.4	2272.6	2534.7	3027.3	4012.4
122.5°	1408.7	1328.4	1248.1	1328.4	1408.7	1428.8	1785.2	2260.4	2498.0	2941.5	3828.7
125°	1504.8	1431.6	1358.5	1431.6	1504.8	1523.1	1834.8	2250.3	2458.0	2834.9	3588.4
127.5°	1595.7	1521.8	1447.9	1521.8	1595.7	1614.1	1884.2	2244.4	2424.4	2748.0	3395.1
130°	1655.0	1575.4	1495.9	1575.4	1655.0	1674.9	1920.4	2247.9	2411.6	2699.6	3275.8
132.5°	1704.5	1625.0	1545.5	1625.0	1704.5	1724.4	1949.7	2250.2	2400.4	2658.3	3174.0
135°	1763.9	1691.3	1618.9	1691.3	1763.9	1782.0	1981.7	2248.2	2381.3	2597.2	3029.1
137.5°	1837.6	1765.8	1694.1	1765.8	1837.6	1855.5	2029.7	2261.9	2378.1	2560.6	2925.7
140°	1888.6	1822.5	1756.4	1822.5	1888.6	1905.0	2059.0	2264.2	2366.9	2524.5	2840.0
142.5°	1926.5	1865.4	1804.3	1865.4	1926.5	1941.8	2083.5	2272.4	2366.9	2505.4	2782.4
145°	1984.4	1931.2	1877.9	1931.2	1984.4	1997.7	2115.4	2272.4	2350.9	2464.2	2690.8
147.5°	2055.0	2003.2	1951.3	2003.2	2055.0	2068.0	2162.3	2288.0	2350.9	2440.1	2618.3
150°	2093.1	2046.2	1999.3	2046.2	2093.1	2104.8	2186.8	2296.2	2350.9	2426.2	2576.8
152.5°	2119.9	2084.4	2048.9	2084.4	2119.9	2128.7	2202.8	2301.5	2350.9	2415.2	2543.8
155°	2175.0	2148.7	2122.4	2148.7	2175.0	2181.5	2238.0	2313.2	2350.9	2402.1	2504.4
157.5°	2227.8	2202.3	2176.7	2202.3	2227.8	2234.2	2273.1	2324.9	2350.9	2390.7	2470.2
160°	2253.3	2233.4	2213.5	2233.4	2253.3	2258.2	2289.1	2330.3	2350.9	2385.0	2453.1
162.5°	2280.0	2265.1	2250.2	2265.1	2280.0	2283.8	2306.1	2336.0	2350.9	2379.7	2437.3
165°	2317.2	2303.7	2290.2	2303.7	2317.2	2320.6	2330.7	2344.2	2350.9	2371.5	2412.7
167.5°	2339.7	2333.4	2327.0	2333.4	2339.7	2341.3	2349.9	2361.2	2366.9	2380.4	2407.4
170°	2363.7	2357.3	2350.9	2357.3	2363.7	2365.3	2365.8	2366.5	2366.9	2380.4	2407.4
172.5°	2366.5	2365.1	2363.7	2365.1	2366.5	2366.9	2366.9	2366.9	2366.9	2377.6	2398.9
175°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2376.5	2370.1	2366.9	2373.6	2387.1
177.5°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2377.6	2372.6	2370.1	2375.4	2386.1
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



TEST NUMBER: P936125
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4422.8	4409.8	4427.1	4379.5	4427.1	4409.8	4422.8	4453.2	4427.1	4444.5	4461.8
5°	3880.8	3859.1	3789.7	3733.4	3789.7	3859.1	3880.8	3971.9	4015.2	4093.2	4197.3
7.5°	3468.9	3451.5	3434.2	3399.5	3434.2	3451.5	3468.9	3494.8	3538.2	3607.6	3685.6
10°	3377.8	3382.1	3408.1	3403.8	3408.1	3382.1	3377.8	3369.1	3356.1	3369.1	3416.9
12.5°	3611.9	3651.0	3794.0	3785.4	3794.0	3651.0	3611.9	3438.5	3321.4	3299.8	3308.4
15°	3880.8	3893.8	3924.1	3928.5	3924.1	3893.8	3880.8	3811.4	3460.2	3308.4	3260.7
17.5°	3906.8	3911.1	3932.8	3932.8	3932.8	3911.1	3906.8	3876.5	3759.4	3555.6	3286.8
20°	3885.1	3893.8	3937.2	3945.8	3937.2	3893.8	3885.1	3846.1	3781.1	3707.3	3503.5
22.5°	3876.5	3893.8	3928.5	3924.1	3928.5	3893.8	3876.5	3815.7	3759.4	3707.3	3624.9
25°	3833.1	3833.1	3837.4	3841.8	3837.4	3833.1	3833.1	3785.4	3672.7	3659.6	3611.9
27.5°	3742.0	3750.7	3776.7	3772.3	3776.7	3750.7	3742.0	3724.7	3603.3	3590.2	3555.6
30°	3659.6	3651.0	3629.3	3611.9	3629.3	3651.0	3659.6	3633.6	3512.2	3477.5	3486.2
32.5°	3520.9	3499.2	3477.5	3464.5	3477.5	3499.2	3520.9	3512.2	3421.1	3373.5	3382.1
35°	3356.1	3360.5	3356.1	3343.1	3356.1	3360.5	3356.1	3364.8	3308.4	3265.1	3260.7
37.5°	3239.0	3247.7	3243.4	3226.0	3243.4	3247.7	3239.0	3230.4	3152.3	3139.3	3148.0
40°	3117.7	3122.0	3117.7	3104.6	3117.7	3122.0	3117.7	3100.3	2991.9	2996.2	3026.6
42.5°	3000.6	2996.2	2983.2	2974.5	2983.2	2996.2	3000.6	2974.5	2835.8	2822.8	2879.2
45°	2866.1	2870.5	2844.4	2831.4	2844.4	2870.5	2866.1	2848.8	2705.7	2671.0	2710.1
47.5°	2731.8	2731.8	2710.1	2697.0	2710.1	2731.8	2731.8	2710.1	2558.3	2523.6	2545.3
50°	2588.6	2584.3	2553.9	2549.6	2553.9	2584.3	2588.6	2575.6	2415.2	2384.8	2384.8
52.5°	2423.8	2423.8	2428.2	2436.8	2428.2	2423.8	2423.8	2428.2	2285.1	2254.7	2246.1
55°	2280.8	2285.1	2315.5	2324.2	2315.5	2285.1	2280.8	2280.8	2150.7	2120.4	2102.9
57.5°	2133.4	2133.4	2155.1	2155.1	2155.1	2133.4	2133.4	2124.6	1998.9	1973.0	1964.2
60°	1964.2	1973.0	1990.3	1985.9	1990.3	1973.0	1964.2	1955.5	1847.1	1829.8	1799.5
62.5°	1786.5	1795.1	1799.5	1790.8	1799.5	1795.1	1786.5	1760.4	1695.4	1682.4	1643.3
65°	1600.0	1608.7	1613.0	1604.3	1613.0	1608.7	1600.0	1587.0	1539.3	1517.6	1482.9
67.5°	1409.2	1404.9	1400.5	1417.9	1400.5	1404.9	1409.2	1391.9	1361.6	1344.1	1296.5
70°	1214.1	1214.1	1209.8	1218.4	1209.8	1214.1	1214.1	1201.1	1183.7	1170.8	1127.4
72.5°	1006.0	1001.6	1019.0	1006.0	1019.0	1001.6	1006.0	1001.6	992.9	979.9	936.6
75°	802.2	810.8	802.2	815.2	802.2	810.8	802.2	806.5	802.2	793.5	763.2
77.5°	611.4	620.1	611.4	611.4	611.4	620.1	611.4	615.7	615.7	615.7	589.7
80°	433.6	429.3	429.3	424.9	429.3	429.3	433.6	433.6	437.9	429.3	420.6
82.5°	277.5	273.2	273.2	281.9	273.2	273.2	277.5	281.9	273.2	273.2	273.2
85°	151.8	156.1	147.4	147.4	147.4	156.1	151.8	143.1	151.8	151.8	147.4
87.5°	56.4	52.0	52.0	52.0	52.0	52.0	56.4	60.7	60.7	60.7	65.0
90°	60.7	60.7	60.7	60.7	60.7	60.7	60.7	81.0	108.0	121.5	104.4
92.5°	303.6	291.6	243.3	195.0	243.3	291.6	303.6	430.4	599.4	684.0	600.5
95°	1030.8	994.3	847.9	701.6	847.9	994.3	1030.8	1353.7	1784.1	1999.3	1688.6
97.5°	2379.7	2310.1	2031.6	1753.2	2031.6	2310.1	2379.7	2583.7	2855.8	2991.8	2473.6
100°	3341.8	3258.8	2927.2	2595.4	2927.2	3258.8	3341.8	3326.8	3306.9	3297.0	2722.0
102.5°	4163.3	4092.2	3808.1	3524.0	3808.1	4092.2	4163.3	3903.3	3556.7	3383.4	2800.2
105°	5122.1	5083.9	4931.3	4778.6	4931.3	5083.9	5122.1	4539.3	3762.3	3373.7	2809.1
107.5°	5620.8	5630.0	5667.0	5703.9	5667.0	5630.0	5620.8	4807.8	3723.9	3182.0	2684.0
110°	5748.6	5788.4	5947.5	6106.7	5947.5	5788.4	5748.6	4839.8	3628.1	3022.2	2573.2



TEST NUMBER: P936125

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5667.1	5728.2	5972.6	6216.9	5972.6	5728.2	5667.1	4737.0	3496.8	2876.7	2476.5
115°	5390.7	5475.4	5814.1	6153.0	5814.1	5475.4	5390.7	4494.6	3299.9	2702.5	2365.5
117.5°	5008.7	5102.6	5478.4	5854.1	5478.4	5102.6	5008.7	4200.0	3121.8	2582.6	2296.0
120°	4751.3	4842.6	5207.7	5572.8	5207.7	4842.6	4751.3	4012.4	3027.3	2534.7	2272.6
122.5°	4494.1	4584.1	4944.3	5304.4	4944.3	4584.1	4494.1	3828.7	2941.5	2498.0	2260.4
125°	4153.6	4236.6	4568.3	4900.0	4568.3	4236.6	4153.6	3588.4	2834.9	2458.0	2250.3
127.5°	3880.4	3950.3	4230.2	4510.1	4230.2	3950.3	3880.4	3395.1	2748.0	2424.4	2244.4
130°	3707.8	3772.4	4031.0	4289.5	4031.0	3772.4	3707.8	3275.8	2699.6	2411.6	2247.9
132.5°	3560.8	3618.7	3850.2	4081.7	3850.2	3618.7	3560.8	3174.0	2658.3	2400.4	2250.2
135°	3353.0	3402.8	3602.5	3802.1	3602.5	3402.8	3353.0	3029.1	2597.2	2381.3	2248.2
137.5°	3199.6	3240.4	3403.8	3567.1	3403.8	3240.4	3199.6	2925.7	2560.6	2378.1	2261.9
140°	3076.5	3114.7	3267.4	3420.1	3267.4	3114.7	3076.5	2840.0	2524.5	2366.9	2264.2
142.5°	2990.2	3023.1	3154.5	3285.8	3154.5	3023.1	2990.2	2782.4	2505.4	2366.9	2272.4
145°	2860.7	2885.6	2985.1	3084.5	2985.1	2885.6	2860.7	2690.8	2464.2	2350.9	2272.4
147.5°	2752.1	2772.7	2855.1	2937.4	2855.1	2772.7	2752.1	2618.3	2440.1	2350.9	2288.0
150°	2689.7	2706.4	2773.2	2840.0	2773.2	2706.4	2689.7	2576.8	2426.2	2350.9	2296.2
152.5°	2640.2	2652.8	2703.2	2753.6	2703.2	2652.8	2640.2	2543.8	2415.2	2350.9	2301.5
155°	2581.1	2589.5	2622.8	2656.2	2622.8	2589.5	2581.1	2504.4	2402.1	2350.9	2313.2
157.5°	2529.9	2535.8	2559.2	2582.6	2559.2	2535.8	2529.9	2470.2	2390.7	2350.9	2324.9
160°	2504.3	2507.7	2521.2	2534.7	2521.2	2507.7	2504.3	2453.1	2385.0	2350.9	2330.3
162.5°	2480.4	2483.5	2496.4	2509.2	2496.4	2483.5	2480.4	2437.3	2379.7	2350.9	2336.0
165°	2443.6	2447.0	2460.5	2474.0	2460.5	2447.0	2443.6	2412.7	2371.5	2350.9	2344.2
167.5°	2427.6	2429.1	2434.7	2440.4	2434.7	2429.1	2427.6	2407.4	2380.4	2366.9	2361.2
170°	2427.6	2427.6	2427.6	2427.6	2427.6	2427.6	2427.6	2407.4	2380.4	2366.9	2366.5
172.5°	2414.9	2413.6	2408.6	2403.7	2408.6	2413.6	2414.9	2398.9	2377.6	2366.9	2366.9
175°	2397.3	2397.3	2397.3	2397.3	2397.3	2397.3	2397.3	2387.1	2373.6	2366.9	2370.1
177.5°	2394.0	2392.6	2386.9	2381.3	2386.9	2392.6	2394.0	2386.1	2375.4	2370.1	2372.6
180°	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3	2381.3



TEST NUMBER: P936125

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4526.9	4548.6	4561.6	4578.9	4622.3
5°	4353.4	4435.8	4461.8	4526.9	4604.9
7.5°	3971.9	4223.3	4292.7	4448.8	4570.2
10°	3603.3	3854.8	3976.1	4344.8	4526.9
12.5°	3416.9	3564.3	3646.6	4162.6	4466.1
15°	3299.8	3403.8	3464.5	3919.8	4396.8
17.5°	3208.7	3282.4	3325.8	3681.3	4301.4
20°	3152.3	3187.0	3226.0	3507.9	4193.0
22.5°	3113.3	3091.6	3122.0	3386.4	4045.6
25°	3087.2	3004.9	3039.6	3291.0	3872.1
27.5°	3108.9	2926.8	2939.8	3204.3	3690.0
30°	3113.3	2831.4	2835.8	3113.3	3486.2
32.5°	3083.0	2731.8	2736.0	3000.6	3256.4
35°	3009.3	2614.7	2610.3	2870.5	2944.2
37.5°	2909.5	2488.9	2488.9	2727.4	2601.7
40°	2788.1	2363.1	2376.2	2540.9	2298.1
42.5°	2640.6	2228.8	2246.1	2293.8	2072.6
45°	2480.2	2098.7	2111.7	1938.2	1899.2
47.5°	2302.5	1964.2	1968.6	1608.7	1842.9
50°	2090.0	1825.4	1808.1	1378.9	1838.5
52.5°	1903.5	1673.7	1621.6	1248.8	1669.4
55°	1721.4	1513.3	1400.5	1149.1	1547.9
57.5°	1561.0	1305.2	1196.7	1032.0	1522.0
60°	1413.6	1101.4	1019.0	906.2	1396.2
62.5°	1292.1	949.6	932.3	819.5	1266.2
65°	1162.0	845.5	841.2	745.8	1075.3
67.5°	1036.3	776.1	771.8	676.4	819.5
70°	901.9	702.4	693.8	602.7	607.0
72.5°	763.2	620.1	611.4	542.0	503.0
75°	624.4	524.7	520.3	472.6	407.6
77.5°	490.0	416.3	424.9	381.5	299.2
80°	351.2	303.6	312.2	273.2	225.5
82.5°	234.1	199.4	208.2	173.5	151.8
85°	130.1	112.7	117.1	91.1	69.4
87.5°	60.7	52.0	52.0	34.7	21.7
90°	70.3	44.8	41.6	28.8	16.0
92.5°	433.6	308.4	281.3	172.5	63.9
95°	1067.1	600.9	551.2	352.2	153.4
97.5°	1437.3	660.1	616.2	440.7	265.3
100°	1572.1	709.6	669.8	510.7	351.6
102.5°	1633.9	759.1	722.0	573.5	425.1
105°	1679.7	832.7	801.3	675.5	549.8
107.5°	1688.2	941.3	912.0	794.9	677.7
110°	1675.5	1002.1	975.6	869.8	763.9



TEST NUMBER: P936125

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1676.0	1075.6	1050.4	949.5	848.7
115°	1691.4	1185.9	1162.6	1069.5	976.5
117.5°	1722.8	1292.9	1271.8	1187.2	1102.8
120°	1748.4	1355.2	1335.3	1255.8	1176.2
122.5°	1785.2	1428.8	1408.7	1328.4	1248.1
125°	1834.8	1523.1	1504.8	1431.6	1358.5
127.5°	1884.2	1614.1	1595.7	1521.8	1447.9
130°	1920.4	1674.9	1655.0	1575.4	1495.9
132.5°	1949.7	1724.4	1704.5	1625.0	1545.5
135°	1981.7	1782.0	1763.9	1691.3	1618.9
137.5°	2029.7	1855.5	1837.6	1765.8	1694.1
140°	2059.0	1905.0	1888.6	1822.5	1756.4
142.5°	2083.5	1941.8	1926.5	1865.4	1804.3
145°	2115.4	1997.7	1984.4	1931.2	1877.9
147.5°	2162.3	2068.0	2055.0	2003.2	1951.3
150°	2186.8	2104.8	2093.1	2046.2	1999.3
152.5°	2202.8	2128.7	2119.9	2084.4	2048.9
155°	2238.0	2181.5	2175.0	2148.7	2122.4
157.5°	2273.1	2234.2	2227.8	2202.3	2176.7
160°	2289.1	2258.2	2253.3	2233.4	2213.5
162.5°	2306.1	2283.8	2280.0	2265.1	2250.2
165°	2330.7	2320.6	2317.2	2303.7	2290.2
167.5°	2349.9	2341.3	2339.7	2333.4	2327.0
170°	2365.8	2365.3	2363.7	2357.3	2350.9
172.5°	2366.9	2366.9	2366.5	2365.1	2363.7
175°	2376.5	2381.3	2381.3	2381.3	2381.3
177.5°	2377.6	2381.3	2381.3	2381.3	2381.3
180°	2381.3	2381.3	2381.3	2381.3	2381.3



TEST NUMBER: P936125
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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	13.39	14.20	14.40	15.22	16.58	16.25	17.05	17.26	18.07	19.43
	3H	13.87	14.59	14.89	15.62	17.00	17.59	18.32	18.61	19.34	20.73
	4H	14.05	14.74	15.09	15.77	17.16	18.04	18.72	19.07	19.76	21.14
	6H	14.17	14.80	15.21	15.84	17.24	18.33	18.96	19.37	19.99	21.39
	8H	14.17	14.77	15.22	15.82	17.22	18.40	19.00	19.45	20.05	21.45
	12H	14.14	14.71	15.19	15.76	17.18	18.44	19.01	19.50	20.06	21.48
4H	2H	14.42	15.11	15.46	16.14	17.53	16.65	17.33	17.69	18.36	19.75
	3H	15.45	16.02	16.50	17.08	18.48	18.15	18.72	19.20	19.78	21.19
	4H	15.72	16.24	16.78	17.29	18.72	18.68	19.21	19.74	20.26	21.68
	6H	15.84	16.29	16.91	17.37	18.78	19.05	19.50	20.12	20.57	21.99
	8H	15.85	16.27	16.91	17.33	18.77	19.16	19.58	20.23	20.65	22.08
	12H	15.81	16.19	16.89	17.27	18.71	19.22	19.60	20.30	20.68	22.12
8H	4H	16.17	16.59	17.24	17.66	19.09	18.80	19.22	19.87	20.29	21.72
	6H	16.43	16.78	17.52	17.89	19.32	19.24	19.59	20.33	20.70	22.13
	8H	16.47	16.78	17.57	17.87	19.32	19.40	19.70	20.49	20.79	22.25
	12H	16.46	16.72	17.55	17.81	19.30	19.50	19.76	20.60	20.85	22.34
12H	4H	16.18	16.56	17.26	17.64	19.08	18.76	19.14	19.85	20.22	21.66
	6H	16.49	16.80	17.59	17.89	19.34	19.24	19.54	20.34	20.64	22.09
	8H	16.56	16.82	17.66	17.91	19.40	19.40	19.67	20.50	20.76	22.25