

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: P936080

Luminaire Tested: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936080
REPORT IS A COMBINATION OF REPORTS P933777 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

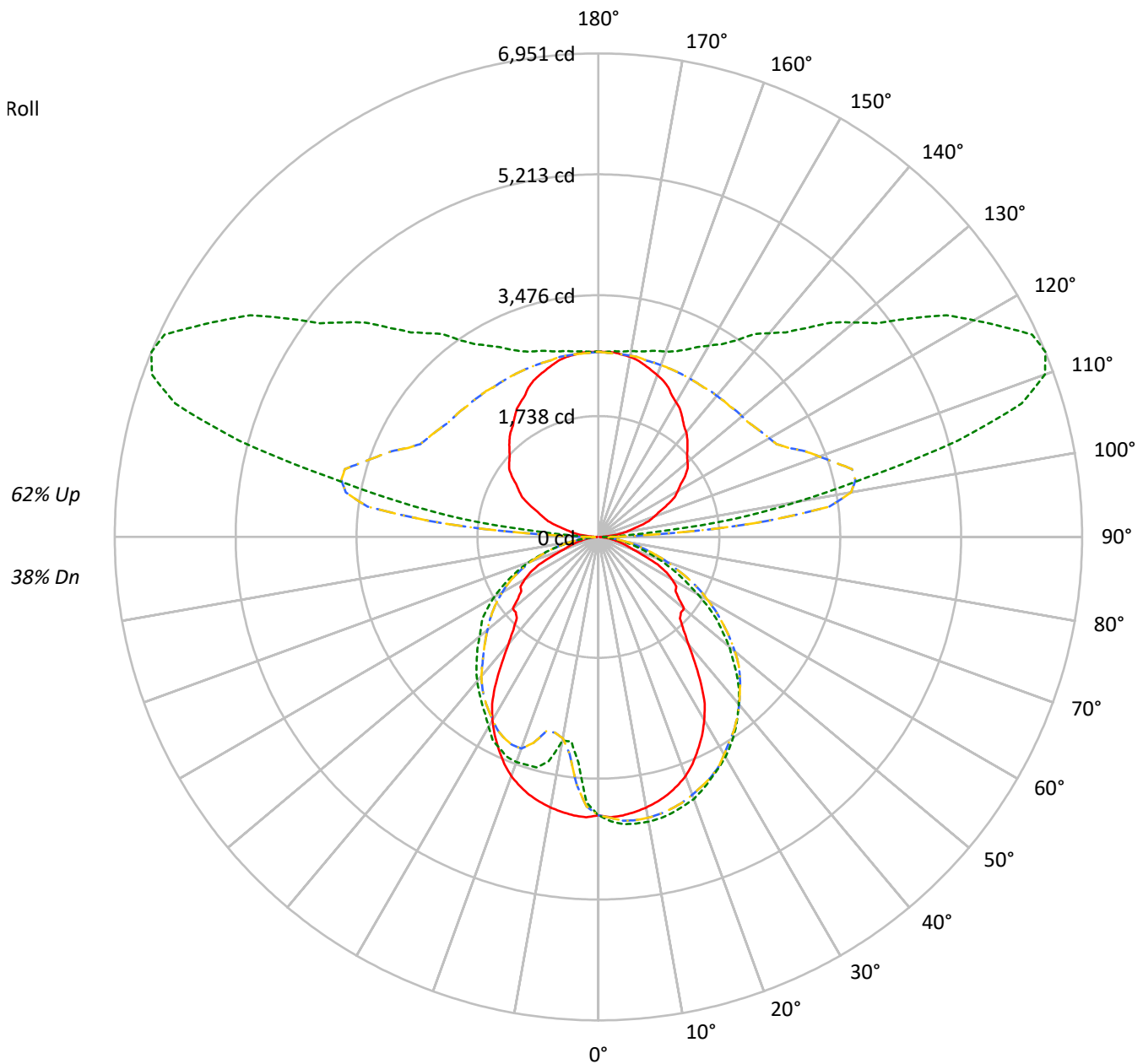
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27644.4 lumens
Efficiency: N/A
Efficacy: 127.3 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: Semi-Indirect

Input Watts (W): 217.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P936080
CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-4000K

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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12376	12376	12376	12376
5°	12473	12493	12473	9823
10°	12394	12306	12394	8798
15°	12264	12039	12264	10053
20°	12012	11724	12012	10074
25°	11492	11263	11492	9860
30°	10818	10880	10818	9392
35°	9649	10396	9649	8877
40°	8045	9827	8045	8488
45°	7193	9160	7193	8040
50°	7647	8365	7647	7591
55°	7201	7509	7201	7331
60°	7433	6377	7433	6715
65°	6750	5272	6750	5893
70°	4685	4201	4685	4940
75°	4124	3106	4124	3719
80°	3347	2053	3347	2235
85°	1960	1087	1960	924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11016 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.2	1.3
10°-20°	1025.5	3.7
20°-30°	1585.2	5.7
30°-40°	1892.4	6.8
40°-50°	1903.5	6.9
50°-60°	1656.2	6.0
60°-70°	1174.3	4.2
70°-80°	621.3	2.2
80°-90°	164.9	0.6
90°-100°	1297.8	4.7
100°-110°	3412.1	12.3
110°-120°	3538.0	12.8
120°-130°	2837.9	10.3
130°-140°	2226.7	8.1
140°-150°	1709.1	6.2
150°-160°	1230.8	4.5
160°-170°	753.1	2.7
170°-180°	254.4	0.9
0°-30°	2971.8	10.8
0°-40°	4864.2	17.6
0°-60°	8423.9	30.5
0°-90°	10384.3	37.6
90°-120°	8247.9	29.8
90°-150°	15021.7	54.3
90°-180°	17260.0	62.4
0°-180°	27644.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4001	4001	4001	4001	4001	
5°	4020	4145	4020	3259	4020	381
15°	3838	4107	3838	3430	3838	1080
25°	3380	3831	3380	3354	3380	1552
35°	2570	3418	2570	2918	2570	1590
45°	1658	2816	1658	2472	1658	1328
55°	1351	2078	1351	2029	1351	1242
65°	939	1253	939	1401	939	897
75°	356	594	356	712	356	374
85°	60	151	60	129	60	82
90°	18	68	18	68	18	17
95°	172	784	172	784	172	190
105°	615	5343	615	5343	615	652
115°	1092	6880	1092	6880	1092	1078
125°	1519	5479	1519	5479	1519	1348
135°	1810	4251	1810	4251	1810	1401
145°	2100	3449	2100	3449	2100	1315
155°	2373	2970	2373	2970	2373	1090
165°	2561	2766	2561	2766	2561	723
175°	2662	2680	2662	2680	2662	253
180°	2662	2662	2662	2662	2662	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	4035.2	4035.2	4057.9	4065.4	4065.4	4054.1	4042.7	4054.1	4088.2	4099.5	4095.7
5°	4020.1	4050.3	4092.0	4099.5	4107.1	4103.3	4095.7	4103.3	4141.2	4148.7	4152.5
7.5°	3989.7	4046.5	4099.5	4110.9	4122.3	4110.9	4107.1	4114.7	4152.5	4160.1	4160.1
10°	3951.9	4031.4	4092.0	4099.5	4110.9	4099.5	4099.5	4114.7	4152.5	4160.1	4163.9
12.5°	3898.9	4008.7	4065.4	4073.1	4088.2	4084.3	4080.6	4095.7	4133.6	4141.2	4141.2
15°	3838.3	3967.1	4020.1	4027.6	4054.1	4046.5	4046.5	4061.7	4103.3	4114.7	4110.9
17.5°	3755.1	3914.1	3974.6	3986.0	4004.9	4001.1	4004.9	4020.1	4057.9	4065.4	4069.3
20°	3660.4	3842.2	3914.1	3925.4	3944.3	3944.3	3944.3	3963.2	4001.1	4016.3	4016.3
22.5°	3531.7	3766.4	3842.2	3849.7	3872.4	3872.4	3880.0	3906.4	3940.5	3944.3	3944.3
25°	3380.3	3683.1	3747.5	3770.2	3792.9	3804.2	3815.6	3830.8	3842.2	3838.3	3842.2
27.5°	3221.3	3577.1	3660.4	3675.6	3705.9	3717.2	3732.3	3736.2	3739.9	3751.2	3743.7
30°	3043.4	3429.5	3554.4	3569.6	3618.8	3626.3	3611.2	3618.8	3637.7	3645.3	3652.9
32.5°	2842.7	3209.9	3444.7	3478.7	3524.1	3501.4	3497.7	3509.1	3539.3	3539.3	3546.9
35°	2570.3	3039.7	3342.5	3372.8	3406.8	3380.3	3395.4	3399.2	3418.1	3429.5	3425.8
37.5°	2271.2	2892.0	3236.5	3259.2	3285.7	3251.6	3274.3	3285.7	3300.9	3293.2	3293.2
40°	2006.3	2661.1	3111.6	3126.7	3149.4	3122.9	3145.6	3153.2	3160.8	3153.2	3149.4
42.5°	1809.4	2407.5	2979.0	2998.0	2982.8	3001.8	3009.3	3024.5	3013.1	2998.0	2998.0
45°	1658.0	2339.4	2835.2	2857.9	2835.2	2865.5	2876.8	2876.8	2842.7	2835.2	2831.5
47.5°	1608.8	2203.1	2691.4	2691.4	2680.0	2717.8	2736.8	2710.3	2676.2	2664.9	2664.9
50°	1605.0	2051.6	2494.6	2479.4	2532.4	2577.8	2558.9	2532.4	2505.9	2464.3	2464.3
52.5°	1457.3	1866.2	2240.9	2297.7	2381.0	2407.5	2377.2	2350.7	2305.3	2286.4	2271.2
55°	1351.3	1673.2	2010.0	2123.5	2210.6	2244.7	2187.9	2161.5	2093.3	2081.9	2074.4
57.5°	1328.7	1393.0	1798.1	1941.9	2047.9	2044.1	2010.0	1960.8	1904.0	1892.7	1888.9
60°	1218.9	1006.9	1570.9	1741.3	1851.1	1839.7	1809.4	1764.0	1711.0	1703.4	1695.8
62.5°	1105.3	730.6	1313.5	1506.6	1661.8	1658.0	1631.5	1563.3	1525.5	1506.6	1491.4
65°	938.8	613.2	934.9	1253.0	1476.2	1483.9	1427.1	1377.9	1336.2	1313.5	1309.7
67.5°	715.4	499.7	632.1	1044.8	1298.4	1290.8	1218.9	1196.1	1143.1	1131.8	1109.1
70°	529.9	333.1	439.1	847.9	1124.2	1105.3	1048.5	1022.0	972.9	946.3	931.2
72.5°	439.1	268.7	321.7	658.7	946.3	923.6	874.4	844.1	802.5	779.8	764.7
75°	355.8	283.9	246.0	488.3	768.4	753.3	707.8	677.6	643.5	613.2	617.0
77.5°	261.2	265.0	196.8	359.7	609.5	586.8	560.2	522.4	507.2	476.9	476.9
80°	196.8	208.2	147.6	246.0	439.1	439.1	416.4	389.9	363.4	348.3	348.3
82.5°	132.5	132.5	109.7	155.2	299.0	287.6	272.6	265.0	249.8	242.3	242.3
85°	60.5	75.7	68.1	94.6	162.7	170.4	170.4	162.7	159.0	151.4	155.2
87.5°	18.9	34.1	41.6	53.0	83.3	87.1	90.8	90.8	90.8	94.6	94.6
90°	17.9	32.2	46.5	50.0	78.6	116.7	135.8	120.7	90.5	67.9	67.9
92.5°	71.4	192.9	314.5	344.9	484.9	671.5	764.8	670.2	481.2	339.5	326.0
95°	171.5	393.8	616.3	671.8	1193.1	1888.0	2235.5	1994.8	1513.6	1152.6	1111.7
97.5°	296.6	492.8	688.9	738.0	1607.1	2765.8	3345.1	3193.0	2888.9	2660.7	2582.9
100°	393.1	571.0	748.9	793.4	1757.8	3043.5	3686.4	3697.5	3719.7	3736.4	3643.7
102.5°	475.3	641.3	807.3	848.8	1826.8	3130.9	3782.9	3976.7	4364.3	4655.0	4575.5
105°	614.7	755.3	895.9	931.0	1878.1	3140.8	3772.2	4206.6	5075.4	5727.0	5684.4
107.5°	757.7	888.7	1019.7	1052.5	1887.6	3001.0	3557.8	4163.7	5375.6	6284.6	6294.9
110°	854.2	972.5	1090.8	1120.4	1873.3	2877.1	3379.1	4056.6	5411.4	6427.5	6472.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	948.9	1061.7	1174.5	1202.6	1873.9	2768.9	3216.4	3909.8	5296.4	6336.4	6404.7
115°	1091.9	1195.9	1299.9	1325.9	1891.2	2644.9	3021.7	3689.6	5025.4	6027.3	6122.0
117.5°	1233.0	1327.4	1422.0	1445.6	1926.2	2567.1	2887.6	3490.4	4696.0	5600.2	5705.3
120°	1315.1	1404.1	1493.0	1515.3	1954.9	2541.0	2834.1	3384.8	4486.3	5312.5	5414.6
122.5°	1395.5	1485.3	1575.1	1597.5	1996.0	2527.3	2793.0	3288.9	4280.9	5024.8	5125.5
125°	1518.9	1600.7	1682.5	1703.0	2051.4	2516.0	2748.3	3169.6	4012.2	4644.2	4736.9
127.5°	1618.9	1701.5	1784.1	1804.8	2106.7	2509.5	2710.8	3072.5	3796.0	4338.7	4416.9
130°	1672.6	1761.5	1850.4	1872.7	2147.2	2513.4	2696.4	3018.5	3662.6	4145.7	4217.9
132.5°	1728.0	1816.9	1905.8	1928.0	2180.0	2515.9	2683.9	2972.2	3548.9	3981.3	4046.0
135°	1810.1	1891.1	1972.2	1992.4	2215.8	2513.7	2662.5	2904.0	3386.8	3748.9	3804.7
137.5°	1894.1	1974.4	2054.6	2074.6	2269.4	2529.0	2658.9	2863.0	3271.3	3577.4	3623.1
140°	1963.9	2037.7	2111.6	2130.0	2302.1	2531.6	2646.4	2822.7	3175.4	3439.8	3482.5
142.5°	2017.4	2085.7	2154.0	2171.1	2329.5	2540.8	2646.4	2801.3	3111.0	3343.4	3380.1
145°	2099.7	2159.3	2218.8	2233.6	2365.2	2540.8	2628.5	2755.2	3008.5	3198.6	3226.4
147.5°	2181.8	2239.8	2297.7	2312.2	2417.7	2558.3	2628.5	2728.2	2927.6	3077.1	3100.1
150°	2235.5	2287.9	2340.3	2353.4	2445.1	2567.4	2628.5	2712.8	2881.1	3007.4	3026.0
152.5°	2290.9	2330.6	2370.2	2380.1	2462.9	2573.3	2628.5	2700.5	2844.2	2952.0	2966.1
155°	2373.1	2402.5	2431.8	2439.2	2502.3	2586.4	2628.5	2685.7	2800.2	2885.9	2895.3
157.5°	2433.8	2462.4	2490.9	2498.1	2541.5	2599.5	2628.5	2673.0	2762.0	2828.7	2835.3
160°	2474.9	2497.1	2519.4	2524.9	2559.5	2605.5	2628.5	2666.6	2742.9	2800.1	2803.9
162.5°	2515.9	2532.7	2549.3	2553.5	2578.5	2611.8	2628.5	2660.7	2725.1	2773.3	2776.9
165°	2560.6	2575.7	2590.8	2594.6	2605.9	2621.0	2628.5	2651.6	2697.6	2732.2	2736.0
167.5°	2601.8	2609.0	2616.0	2617.8	2627.4	2640.1	2646.4	2661.5	2691.7	2714.3	2715.9
170°	2628.5	2635.7	2642.9	2644.7	2645.3	2646.0	2646.4	2661.5	2691.7	2714.3	2714.3
172.5°	2642.9	2644.4	2646.0	2646.4	2646.4	2646.4	2646.4	2658.3	2682.2	2700.1	2698.6
175°	2662.5	2662.5	2662.5	2662.5	2657.2	2650.0	2646.4	2653.9	2669.0	2680.4	2680.4
177.5°	2662.5	2662.5	2662.5	2662.5	2658.3	2652.8	2650.0	2656.0	2667.9	2676.8	2675.1
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	4103.3	4092.0	4103.3	4095.7	4099.5	4088.2	4054.1	4042.7	4054.1	4065.4	4065.4
5°	4152.5	4145.0	4152.5	4152.5	4148.7	4141.2	4103.3	4095.7	4103.3	4107.1	4099.5
7.5°	4167.6	4156.4	4167.6	4160.1	4160.1	4152.5	4114.7	4107.1	4110.9	4122.3	4110.9
10°	4167.6	4156.4	4167.6	4163.9	4160.1	4152.5	4114.7	4099.5	4099.5	4110.9	4099.5
12.5°	4148.7	4141.2	4148.7	4141.2	4141.2	4133.6	4095.7	4080.6	4084.3	4088.2	4073.1
15°	4118.4	4107.1	4118.4	4110.9	4114.7	4103.3	4061.7	4046.5	4046.5	4054.1	4027.6
17.5°	4073.1	4057.9	4073.1	4069.3	4065.4	4057.9	4020.1	4004.9	4001.1	4004.9	3986.0
20°	4020.1	4008.7	4020.1	4016.3	4016.3	4001.1	3963.2	3944.3	3944.3	3944.3	3925.4
22.5°	3936.8	3925.4	3936.8	3944.3	3944.3	3940.5	3906.4	3880.0	3872.4	3872.4	3849.7
25°	3842.2	3830.8	3842.2	3842.2	3838.3	3842.2	3830.8	3815.6	3804.2	3792.9	3770.2
27.5°	3751.2	3743.7	3751.2	3743.7	3751.2	3739.9	3736.2	3732.3	3717.2	3705.9	3675.6
30°	3660.4	3652.9	3660.4	3652.9	3645.3	3637.7	3618.8	3611.2	3626.3	3618.8	3569.6
32.5°	3546.9	3539.3	3546.9	3546.9	3539.3	3539.3	3509.1	3497.7	3501.4	3524.1	3478.7
35°	3429.5	3418.1	3429.5	3425.8	3429.5	3418.1	3399.2	3395.4	3380.3	3406.8	3372.8
37.5°	3293.2	3281.9	3293.2	3293.2	3293.2	3300.9	3285.7	3274.3	3251.6	3285.7	3259.2
40°	3153.2	3138.0	3153.2	3149.4	3153.2	3160.8	3153.2	3145.6	3122.9	3149.4	3126.7
42.5°	2994.2	2990.4	2994.2	2998.0	2998.0	3013.1	3024.5	3009.3	3001.8	2982.8	2998.0
45°	2823.8	2816.3	2823.8	2831.5	2835.2	2842.7	2876.8	2876.8	2865.5	2835.2	2857.9
47.5°	2642.2	2623.3	2642.2	2664.9	2664.9	2676.2	2710.3	2736.8	2717.8	2680.0	2691.4
50°	2449.1	2452.9	2449.1	2464.3	2464.3	2505.9	2532.4	2558.9	2577.8	2532.4	2479.4
52.5°	2259.8	2256.1	2259.8	2271.2	2286.4	2305.3	2350.7	2377.2	2407.5	2381.0	2297.7
55°	2070.5	2078.2	2070.5	2074.4	2081.9	2093.3	2161.5	2187.9	2244.7	2210.6	2123.5
57.5°	1881.4	1870.0	1881.4	1888.9	1892.7	1904.0	1960.8	2010.0	2044.1	2047.9	1941.9
60°	1661.8	1646.6	1661.8	1695.8	1703.4	1711.0	1764.0	1809.4	1839.7	1851.1	1741.3
62.5°	1468.7	1442.2	1468.7	1491.4	1506.6	1525.5	1563.3	1631.5	1658.0	1661.8	1506.6
65°	1264.3	1253.0	1264.3	1309.7	1313.5	1336.2	1377.9	1427.1	1483.9	1476.2	1253.0
67.5°	1078.9	1078.9	1078.9	1109.1	1131.8	1143.1	1196.1	1218.9	1290.8	1298.4	1044.8
70°	908.5	904.7	908.5	931.2	946.3	972.9	1022.0	1048.5	1105.3	1124.2	847.9
72.5°	745.8	741.9	745.8	764.7	779.8	802.5	844.1	874.4	923.6	946.3	658.7
75°	601.8	594.3	601.8	617.0	613.2	643.5	677.6	707.8	753.3	768.4	488.3
77.5°	461.8	461.8	461.8	476.9	476.9	507.2	522.4	560.2	586.8	609.5	359.7
80°	344.5	340.6	344.5	348.3	348.3	363.4	389.9	416.4	439.1	439.1	246.0
82.5°	242.3	234.6	242.3	242.3	242.3	249.8	265.0	272.6	287.6	299.0	155.2
85°	151.4	151.4	151.4	155.2	151.4	159.0	162.7	170.4	170.4	162.7	94.6
87.5°	98.5	94.6	98.5	94.6	94.6	90.8	90.8	90.8	87.1	83.3	53.0
90°	67.9	67.9	67.9	67.9	67.9	90.5	120.7	135.8	116.7	78.6	50.0
92.5°	272.0	218.0	272.0	326.0	339.5	481.2	670.2	764.8	671.5	484.9	344.9
95°	948.0	784.4	948.0	1111.7	1152.6	1513.6	1994.8	2235.5	1888.0	1193.1	671.8
97.5°	2271.6	1960.2	2271.6	2582.9	2660.7	2888.9	3193.0	3345.1	2765.8	1607.1	738.0
100°	3272.9	2902.0	3272.9	3643.7	3736.4	3719.7	3697.5	3686.4	3043.5	1757.8	793.4
102.5°	4257.9	3940.1	4257.9	4575.5	4655.0	4364.3	3976.7	3782.9	3130.9	1826.8	848.8
105°	5513.7	5342.9	5513.7	5684.4	5727.0	5075.4	4206.6	3772.2	3140.8	1878.1	931.0
107.5°	6336.2	6377.5	6336.2	6294.9	6284.6	5375.6	4163.7	3557.8	3001.0	1887.6	1052.5
110°	6650.0	6827.9	6650.0	6472.0	6427.5	5411.4	4056.6	3379.1	2877.1	1873.3	1120.4



TEST NUMBER: P936080

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6677.9	6951.2	6677.9	6404.7	6336.4	5296.4	3909.8	3216.4	2768.9	1873.9	1202.6
115°	6500.8	6879.6	6500.8	6122.0	6027.3	5025.4	3689.6	3021.7	2644.9	1891.2	1325.9
117.5°	6125.4	6545.5	6125.4	5705.3	5600.2	4696.0	3490.4	2887.6	2567.1	1926.2	1445.6
120°	5822.7	6231.0	5822.7	5414.6	5312.5	4486.3	3384.8	2834.1	2541.0	1954.9	1515.3
122.5°	5528.2	5930.8	5528.2	5125.5	5024.8	4280.9	3288.9	2793.0	2527.3	1996.0	1597.5
125°	5107.8	5478.7	5107.8	4736.9	4644.2	4012.2	3169.6	2748.3	2516.0	2051.4	1703.0
127.5°	4729.8	5042.7	4729.8	4416.9	4338.7	3796.0	3072.5	2710.8	2509.5	2106.7	1804.8
130°	4507.0	4796.1	4507.0	4217.9	4145.7	3662.6	3018.5	2696.4	2513.4	2147.2	1872.7
132.5°	4304.9	4563.8	4304.9	4046.0	3981.3	3548.9	2972.2	2683.9	2515.9	2180.0	1928.0
135°	4027.9	4251.1	4027.9	3804.7	3748.9	3386.8	2904.0	2662.5	2513.7	2215.8	1992.4
137.5°	3805.8	3988.4	3805.8	3623.1	3577.4	3271.3	2863.0	2658.9	2529.0	2269.4	2074.6
140°	3653.3	3824.0	3653.3	3482.5	3439.8	3175.4	2822.7	2646.4	2531.6	2302.1	2130.0
142.5°	3527.0	3673.9	3527.0	3380.1	3343.4	3111.0	2801.3	2646.4	2540.8	2329.5	2171.1
145°	3337.6	3448.8	3337.6	3226.4	3198.6	3008.5	2755.2	2628.5	2540.8	2365.2	2233.6
147.5°	3192.3	3284.3	3192.3	3100.1	3077.1	2927.6	2728.2	2628.5	2558.3	2417.7	2312.2
150°	3100.7	3175.4	3100.7	3026.0	3007.4	2881.1	2712.8	2628.5	2567.4	2445.1	2353.4
152.5°	3022.5	3078.8	3022.5	2966.1	2952.0	2844.2	2700.5	2628.5	2573.3	2462.9	2380.1
155°	2932.5	2969.9	2932.5	2895.3	2885.9	2800.2	2685.7	2628.5	2586.4	2502.3	2439.2
157.5°	2861.5	2887.6	2861.5	2835.3	2828.7	2762.0	2673.0	2628.5	2599.5	2541.5	2498.1
160°	2819.0	2834.1	2819.0	2803.9	2800.1	2742.9	2666.6	2628.5	2605.5	2559.5	2524.9
162.5°	2791.2	2805.5	2791.2	2776.9	2773.3	2725.1	2660.7	2628.5	2611.8	2578.5	2553.5
165°	2751.1	2766.2	2751.1	2736.0	2732.2	2697.6	2651.6	2628.5	2621.0	2605.9	2594.6
167.5°	2722.2	2728.6	2722.2	2715.9	2714.3	2691.7	2661.5	2646.4	2640.1	2627.4	2617.8
170°	2714.3	2714.3	2714.3	2714.3	2714.3	2691.7	2661.5	2646.4	2646.0	2645.3	2644.7
172.5°	2693.1	2687.6	2693.1	2698.6	2700.1	2682.2	2658.3	2646.4	2646.4	2646.4	2646.4
175°	2680.4	2680.4	2680.4	2680.4	2680.4	2669.0	2653.9	2646.4	2650.0	2657.2	2662.5
177.5°	2668.8	2662.5	2668.8	2675.1	2676.8	2667.9	2656.0	2650.0	2652.8	2658.3	2662.5
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



TEST NUMBER: P936080

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	4057.9	4035.2	4035.2	3997.3	3982.2	3970.8	3951.9	3895.2	3880.0	3864.8	3887.5
5°	4092.0	4050.3	4020.1	3951.9	3895.2	3872.4	3800.5	3664.2	3573.3	3505.2	3467.4
7.5°	4099.5	4046.5	3989.7	3883.8	3747.5	3687.0	3467.4	3217.6	3149.4	3088.9	3050.9
10°	4092.0	4031.4	3951.9	3792.9	3471.1	3365.1	3145.6	2982.8	2941.2	2929.8	2941.2
12.5°	4065.4	4008.7	3898.9	3634.0	3183.5	3111.6	2982.8	2888.2	2880.7	2899.6	3001.8
15°	4020.1	3967.1	3838.3	3422.0	3024.5	2971.5	2880.7	2846.6	2888.2	3020.7	3327.3
17.5°	3974.6	3914.1	3755.1	3213.8	2903.4	2865.5	2801.1	2869.3	3103.9	3281.9	3384.1
20°	3914.1	3842.2	3660.4	3062.3	2816.3	2782.2	2751.9	3058.6	3236.5	3300.9	3357.6
22.5°	3842.2	3766.4	3531.7	2956.4	2725.5	2698.9	2717.8	3164.6	3236.5	3281.9	3331.1
25°	3747.5	3683.1	3380.3	2873.1	2653.6	2623.3	2695.2	3153.2	3194.9	3206.2	3304.6
27.5°	3660.4	3577.1	3221.3	2797.4	2566.5	2555.1	2714.1	3103.9	3134.3	3145.6	3251.6
30°	3554.4	3429.5	3043.4	2717.8	2475.6	2471.8	2717.8	3043.4	3035.8	3066.1	3172.1
32.5°	3444.7	3209.9	2842.7	2619.5	2388.6	2384.7	2691.4	2952.6	2945.0	2986.7	3066.1
35°	3342.5	3039.7	2570.3	2505.9	2278.8	2282.5	2627.0	2846.6	2850.4	2888.2	2937.4
37.5°	3236.5	2892.0	2271.2	2381.0	2172.8	2172.8	2539.9	2748.2	2740.6	2751.9	2820.1
40°	3111.6	2661.1	2006.3	2218.2	2074.4	2063.0	2434.0	2642.2	2615.6	2611.9	2706.6
42.5°	2979.0	2407.5	1809.4	2002.4	1960.8	1945.6	2305.3	2513.5	2464.3	2475.6	2596.7
45°	2835.2	2339.4	1658.0	1692.1	1843.4	1832.1	2165.2	2365.8	2331.7	2362.1	2487.0
47.5°	2691.4	2203.1	1608.8	1404.3	1718.5	1714.8	2010.0	2222.0	2203.1	2233.4	2365.8
50°	2494.6	2051.6	1605.0	1203.8	1578.5	1593.6	1824.5	2081.9	2081.9	2108.4	2248.5
52.5°	2240.9	1866.2	1457.3	1090.1	1415.7	1461.1	1661.8	1960.8	1968.4	1994.9	2119.8
55°	2010.0	1673.2	1351.3	1003.1	1222.7	1321.1	1502.8	1835.9	1851.1	1877.5	1991.1
57.5°	1798.1	1393.0	1328.7	900.9	1044.8	1139.4	1362.7	1714.8	1722.3	1745.1	1854.8
60°	1570.9	1006.9	1218.9	791.1	889.6	961.5	1234.1	1570.9	1597.4	1612.5	1707.2
62.5°	1313.5	730.6	1105.3	715.4	813.9	829.0	1128.0	1434.6	1468.7	1480.1	1536.9
65°	934.9	613.2	938.8	651.1	734.4	738.1	1014.5	1294.6	1324.9	1343.8	1385.4
67.5°	632.1	499.7	715.4	590.5	673.8	677.6	904.7	1131.8	1173.4	1188.6	1215.1
70°	439.1	333.1	529.9	526.2	605.7	613.2	787.4	984.2	1022.0	1033.4	1048.5
72.5°	321.7	268.7	439.1	473.2	533.7	541.3	666.2	817.7	855.5	866.9	874.4
75°	246.0	283.9	355.8	412.6	454.2	458.0	545.1	666.2	692.8	700.3	704.0
77.5°	196.8	265.0	261.2	333.1	370.9	363.4	427.7	514.8	537.5	537.5	537.5
80°	147.6	208.2	196.8	238.5	272.6	265.0	306.7	367.2	374.7	382.3	378.6
82.5°	109.7	132.5	132.5	151.4	181.7	174.1	204.4	238.5	238.5	238.5	246.0
85°	68.1	75.7	60.5	79.5	102.2	98.5	113.5	128.7	132.5	132.5	124.9
87.5°	41.6	34.1	18.9	30.3	45.5	45.5	53.0	56.8	53.0	53.0	53.0
90°	46.5	32.2	17.9	32.2	46.5	50.0	78.6	116.7	135.8	120.7	90.5
92.5°	314.5	192.9	71.4	192.9	314.5	344.9	484.9	671.5	764.8	670.2	481.2
95°	616.3	393.8	171.5	393.8	616.3	671.8	1193.1	1888.0	2235.5	1994.8	1513.6
97.5°	688.9	492.8	296.6	492.8	688.9	738.0	1607.1	2765.8	3345.1	3193.0	2888.9
100°	748.9	571.0	393.1	571.0	748.9	793.4	1757.8	3043.5	3686.4	3697.5	3719.7
102.5°	807.3	641.3	475.3	641.3	807.3	848.8	1826.8	3130.9	3782.9	3976.7	4364.3
105°	895.9	755.3	614.7	755.3	895.9	931.0	1878.1	3140.8	3772.2	4206.6	5075.4
107.5°	1019.7	888.7	757.7	888.7	1019.7	1052.5	1887.6	3001.0	3557.8	4163.7	5375.6
110°	1090.8	972.5	854.2	972.5	1090.8	1120.4	1873.3	2877.1	3379.1	4056.6	5411.4



TEST NUMBER: P936080

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1174.5	1061.7	948.9	1061.7	1174.5	1202.6	1873.9	2768.9	3216.4	3909.8	5296.4
115°	1299.9	1195.9	1091.9	1195.9	1299.9	1325.9	1891.2	2644.9	3021.7	3689.6	5025.4
117.5°	1422.0	1327.4	1233.0	1327.4	1422.0	1445.6	1926.2	2567.1	2887.6	3490.4	4696.0
120°	1493.0	1404.1	1315.1	1404.1	1493.0	1515.3	1954.9	2541.0	2834.1	3384.8	4486.3
122.5°	1575.1	1485.3	1395.5	1485.3	1575.1	1597.5	1996.0	2527.3	2793.0	3288.9	4280.9
125°	1682.5	1600.7	1518.9	1600.7	1682.5	1703.0	2051.4	2516.0	2748.3	3169.6	4012.2
127.5°	1784.1	1701.5	1618.9	1701.5	1784.1	1804.8	2106.7	2509.5	2710.8	3072.5	3796.0
130°	1850.4	1761.5	1672.6	1761.5	1850.4	1872.7	2147.2	2513.4	2696.4	3018.5	3662.6
132.5°	1905.8	1816.9	1728.0	1816.9	1905.8	1928.0	2180.0	2515.9	2683.9	2972.2	3548.9
135°	1972.2	1891.1	1810.1	1891.1	1972.2	1992.4	2215.8	2513.7	2662.5	2904.0	3386.8
137.5°	2054.6	1974.4	1894.1	1974.4	2054.6	2074.6	2269.4	2529.0	2658.9	2863.0	3271.3
140°	2111.6	2037.7	1963.9	2037.7	2111.6	2130.0	2302.1	2531.6	2646.4	2822.7	3175.4
142.5°	2154.0	2085.7	2017.4	2085.7	2154.0	2171.1	2329.5	2540.8	2646.4	2801.3	3111.0
145°	2218.8	2159.3	2099.7	2159.3	2218.8	2233.6	2365.2	2540.8	2628.5	2755.2	3008.5
147.5°	2297.7	2239.8	2181.8	2239.8	2297.7	2312.2	2417.7	2558.3	2628.5	2728.2	2927.6
150°	2340.3	2287.9	2235.5	2287.9	2340.3	2353.4	2445.1	2567.4	2628.5	2712.8	2881.1
152.5°	2370.2	2330.6	2290.9	2330.6	2370.2	2380.1	2462.9	2573.3	2628.5	2700.5	2844.2
155°	2431.8	2402.5	2373.1	2402.5	2431.8	2439.2	2502.3	2586.4	2628.5	2685.7	2800.2
157.5°	2490.9	2462.4	2433.8	2462.4	2490.9	2498.1	2541.5	2599.5	2628.5	2673.0	2762.0
160°	2519.4	2497.1	2474.9	2497.1	2519.4	2524.9	2559.5	2605.5	2628.5	2666.6	2742.9
162.5°	2549.3	2532.7	2515.9	2532.7	2549.3	2553.5	2578.5	2611.8	2628.5	2660.7	2725.1
165°	2590.8	2575.7	2560.6	2575.7	2590.8	2594.6	2605.9	2621.0	2628.5	2651.6	2697.6
167.5°	2616.0	2609.0	2601.8	2609.0	2616.0	2617.8	2627.4	2640.1	2646.4	2661.5	2691.7
170°	2642.9	2635.7	2628.5	2635.7	2642.9	2644.7	2645.3	2646.0	2646.4	2661.5	2691.7
172.5°	2646.0	2644.4	2642.9	2644.4	2646.0	2646.4	2646.4	2646.4	2646.4	2658.3	2682.2
175°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2657.2	2650.0	2646.4	2653.9	2669.0
177.5°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2658.3	2652.8	2650.0	2656.0	2667.9
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



TEST NUMBER: P936080
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	3861.1	3849.7	3864.8	3823.2	3864.8	3849.7	3861.1	3887.5	3864.8	3880.0	3895.2
5°	3387.9	3369.0	3308.4	3259.2	3308.4	3369.0	3387.9	3467.4	3505.2	3573.3	3664.2
7.5°	3028.3	3013.1	2998.0	2967.7	2998.0	3013.1	3028.3	3050.9	3088.9	3149.4	3217.6
10°	2948.8	2952.6	2975.3	2971.5	2975.3	2952.6	2948.8	2941.2	2929.8	2941.2	2982.8
12.5°	3153.2	3187.2	3312.1	3304.6	3312.1	3187.2	3153.2	3001.8	2899.6	2880.7	2888.2
15°	3387.9	3399.2	3425.8	3429.5	3425.8	3399.2	3387.9	3327.3	3020.7	2888.2	2846.6
17.5°	3410.6	3414.4	3433.3	3433.3	3433.3	3414.4	3410.6	3384.1	3281.9	3103.9	2869.3
20°	3391.7	3399.2	3437.0	3444.7	3437.0	3399.2	3391.7	3357.6	3300.9	3236.5	3058.6
22.5°	3384.1	3399.2	3429.5	3425.8	3429.5	3399.2	3384.1	3331.1	3281.9	3236.5	3164.6
25°	3346.2	3346.2	3350.0	3353.8	3350.0	3346.2	3346.2	3304.6	3206.2	3194.9	3153.2
27.5°	3266.8	3274.3	3297.0	3293.2	3297.0	3274.3	3266.8	3251.6	3145.6	3134.3	3103.9
30°	3194.9	3187.2	3168.3	3153.2	3168.3	3187.2	3194.9	3172.1	3066.1	3035.8	3043.4
32.5°	3073.7	3054.8	3035.8	3024.5	3035.8	3054.8	3073.7	3066.1	2986.7	2945.0	2952.6
35°	2929.8	2933.7	2929.8	2918.5	2929.8	2933.7	2929.8	2937.4	2888.2	2850.4	2846.6
37.5°	2827.7	2835.2	2831.5	2816.3	2831.5	2835.2	2827.7	2820.1	2751.9	2740.6	2748.2
40°	2721.7	2725.5	2721.7	2710.3	2721.7	2725.5	2721.7	2706.6	2611.9	2615.6	2642.2
42.5°	2619.5	2615.6	2604.3	2596.7	2604.3	2615.6	2619.5	2596.7	2475.6	2464.3	2513.5
45°	2502.1	2505.9	2483.2	2471.8	2483.2	2505.9	2502.1	2487.0	2362.1	2331.7	2365.8
47.5°	2384.7	2384.7	2365.8	2354.5	2365.8	2384.7	2384.7	2365.8	2233.4	2203.1	2222.0
50°	2259.8	2256.1	2229.5	2225.8	2229.5	2256.1	2259.8	2248.5	2108.4	2081.9	2081.9
52.5°	2116.0	2116.0	2119.8	2127.4	2119.8	2116.0	2116.0	2119.8	1994.9	1968.4	1960.8
55°	1991.1	1994.9	2021.4	2028.9	2021.4	1994.9	1991.1	1991.1	1877.5	1851.1	1835.9
57.5°	1862.3	1862.3	1881.4	1881.4	1881.4	1862.3	1862.3	1854.8	1745.1	1722.3	1714.8
60°	1714.8	1722.3	1737.4	1733.7	1737.4	1722.3	1714.8	1707.2	1612.5	1597.4	1570.9
62.5°	1559.5	1567.2	1570.9	1563.3	1570.9	1567.2	1559.5	1536.9	1480.1	1468.7	1434.6
65°	1396.8	1404.3	1408.1	1400.6	1408.1	1404.3	1396.8	1385.4	1343.8	1324.9	1294.6
67.5°	1230.2	1226.4	1222.7	1237.8	1222.7	1226.4	1230.2	1215.1	1188.6	1173.4	1131.8
70°	1059.9	1059.9	1056.1	1063.7	1056.1	1059.9	1059.9	1048.5	1033.4	1022.0	984.2
72.5°	878.2	874.4	889.6	878.2	889.6	874.4	878.2	874.4	866.9	855.5	817.7
75°	700.3	707.8	700.3	711.7	700.3	707.8	700.3	704.0	700.3	692.8	666.2
77.5°	533.7	541.3	533.7	533.7	533.7	541.3	533.7	537.5	537.5	537.5	514.8
80°	378.6	374.7	374.7	370.9	374.7	374.7	378.6	378.6	382.3	374.7	367.2
82.5°	242.3	238.5	238.5	246.0	238.5	238.5	242.3	246.0	238.5	238.5	238.5
85°	132.5	136.3	128.7	128.7	128.7	136.3	132.5	124.9	132.5	132.5	128.7
87.5°	49.2	45.5	45.5	45.5	45.5	45.5	49.2	53.0	53.0	53.0	56.8
90°	67.9	67.9	67.9	67.9	67.9	67.9	67.9	90.5	120.7	135.8	116.7
92.5°	339.5	326.0	272.0	218.0	272.0	326.0	339.5	481.2	670.2	764.8	671.5
95°	1152.6	1111.7	948.0	784.4	948.0	1111.7	1152.6	1513.6	1994.8	2235.5	1888.0
97.5°	2660.7	2582.9	2271.6	1960.2	2271.6	2582.9	2660.7	2888.9	3193.0	3345.1	2765.8
100°	3736.4	3643.7	3272.9	2902.0	3272.9	3643.7	3736.4	3719.7	3697.5	3686.4	3043.5
102.5°	4655.0	4575.5	4257.9	3940.1	4257.9	4575.5	4655.0	4364.3	3976.7	3782.9	3130.9
105°	5727.0	5684.4	5513.7	5342.9	5513.7	5684.4	5727.0	5075.4	4206.6	3772.2	3140.8
107.5°	6284.6	6294.9	6336.2	6377.5	6336.2	6294.9	6284.6	5375.6	4163.7	3557.8	3001.0
110°	6427.5	6472.0	6650.0	6827.9	6650.0	6472.0	6427.5	5411.4	4056.6	3379.1	2877.1



TEST NUMBER: P936080

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6336.4	6404.7	6677.9	6951.2	6677.9	6404.7	6336.4	5296.4	3909.8	3216.4	2768.9
115°	6027.3	6122.0	6500.8	6879.6	6500.8	6122.0	6027.3	5025.4	3689.6	3021.7	2644.9
117.5°	5600.2	5705.3	6125.4	6545.5	6125.4	5705.3	5600.2	4696.0	3490.4	2887.6	2567.1
120°	5312.5	5414.6	5822.7	6231.0	5822.7	5414.6	5312.5	4486.3	3384.8	2834.1	2541.0
122.5°	5024.8	5125.5	5528.2	5930.8	5528.2	5125.5	5024.8	4280.9	3288.9	2793.0	2527.3
125°	4644.2	4736.9	5107.8	5478.7	5107.8	4736.9	4644.2	4012.2	3169.6	2748.3	2516.0
127.5°	4338.7	4416.9	4729.8	5042.7	4729.8	4416.9	4338.7	3796.0	3072.5	2710.8	2509.5
130°	4145.7	4217.9	4507.0	4796.1	4507.0	4217.9	4145.7	3662.6	3018.5	2696.4	2513.4
132.5°	3981.3	4046.0	4304.9	4563.8	4304.9	4046.0	3981.3	3548.9	2972.2	2683.9	2515.9
135°	3748.9	3804.7	4027.9	4251.1	4027.9	3804.7	3748.9	3386.8	2904.0	2662.5	2513.7
137.5°	3577.4	3623.1	3805.8	3988.4	3805.8	3623.1	3577.4	3271.3	2863.0	2658.9	2529.0
140°	3439.8	3482.5	3653.3	3824.0	3653.3	3482.5	3439.8	3175.4	2822.7	2646.4	2531.6
142.5°	3343.4	3380.1	3527.0	3673.9	3527.0	3380.1	3343.4	3111.0	2801.3	2646.4	2540.8
145°	3198.6	3226.4	3337.6	3448.8	3337.6	3226.4	3198.6	3008.5	2755.2	2628.5	2540.8
147.5°	3077.1	3100.1	3192.3	3284.3	3192.3	3100.1	3077.1	2927.6	2728.2	2628.5	2558.3
150°	3007.4	3026.0	3100.7	3175.4	3100.7	3026.0	3007.4	2881.1	2712.8	2628.5	2567.4
152.5°	2952.0	2966.1	3022.5	3078.8	3022.5	2966.1	2952.0	2844.2	2700.5	2628.5	2573.3
155°	2885.9	2895.3	2932.5	2969.9	2932.5	2895.3	2885.9	2800.2	2685.7	2628.5	2586.4
157.5°	2828.7	2835.3	2861.5	2887.6	2861.5	2835.3	2828.7	2762.0	2673.0	2628.5	2599.5
160°	2800.1	2803.9	2819.0	2834.1	2819.0	2803.9	2800.1	2742.9	2666.6	2628.5	2605.5
162.5°	2773.3	2776.9	2791.2	2805.5	2791.2	2776.9	2773.3	2725.1	2660.7	2628.5	2611.8
165°	2732.2	2736.0	2751.1	2766.2	2751.1	2736.0	2732.2	2697.6	2651.6	2628.5	2621.0
167.5°	2714.3	2715.9	2722.2	2728.6	2722.2	2715.9	2714.3	2691.7	2661.5	2646.4	2640.1
170°	2714.3	2714.3	2714.3	2714.3	2714.3	2714.3	2714.3	2691.7	2661.5	2646.4	2646.0
172.5°	2700.1	2698.6	2693.1	2687.6	2693.1	2698.6	2700.1	2682.2	2658.3	2646.4	2646.4
175°	2680.4	2680.4	2680.4	2680.4	2680.4	2680.4	2680.4	2669.0	2653.9	2646.4	2650.0
177.5°	2676.8	2675.1	2668.8	2662.5	2668.8	2675.1	2676.8	2667.9	2656.0	2650.0	2652.8
180°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5



TEST NUMBER: P936080

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	3951.9	3970.8	3982.2	3997.3	4035.2
5°	3800.5	3872.4	3895.2	3951.9	4020.1
7.5°	3467.4	3687.0	3747.5	3883.8	3989.7
10°	3145.6	3365.1	3471.1	3792.9	3951.9
12.5°	2982.8	3111.6	3183.5	3634.0	3898.9
15°	2880.7	2971.5	3024.5	3422.0	3838.3
17.5°	2801.1	2865.5	2903.4	3213.8	3755.1
20°	2751.9	2782.2	2816.3	3062.3	3660.4
22.5°	2717.8	2698.9	2725.5	2956.4	3531.7
25°	2695.2	2623.3	2653.6	2873.1	3380.3
27.5°	2714.1	2555.1	2566.5	2797.4	3221.3
30°	2717.8	2471.8	2475.6	2717.8	3043.4
32.5°	2691.4	2384.7	2388.6	2619.5	2842.7
35°	2627.0	2282.5	2278.8	2505.9	2570.3
37.5°	2539.9	2172.8	2172.8	2381.0	2271.2
40°	2434.0	2063.0	2074.4	2218.2	2006.3
42.5°	2305.3	1945.6	1960.8	2002.4	1809.4
45°	2165.2	1832.1	1843.4	1692.1	1658.0
47.5°	2010.0	1714.8	1718.5	1404.3	1608.8
50°	1824.5	1593.6	1578.5	1203.8	1605.0
52.5°	1661.8	1461.1	1415.7	1090.1	1457.3
55°	1502.8	1321.1	1222.7	1003.1	1351.3
57.5°	1362.7	1139.4	1044.8	900.9	1328.7
60°	1234.1	961.5	889.6	791.1	1218.9
62.5°	1128.0	829.0	813.9	715.4	1105.3
65°	1014.5	738.1	734.4	651.1	938.8
67.5°	904.7	677.6	673.8	590.5	715.4
70°	787.4	613.2	605.7	526.2	529.9
72.5°	666.2	541.3	533.7	473.2	439.1
75°	545.1	458.0	454.2	412.6	355.8
77.5°	427.7	363.4	370.9	333.1	261.2
80°	306.7	265.0	272.6	238.5	196.8
82.5°	204.4	174.1	181.7	151.4	132.5
85°	113.5	98.5	102.2	79.5	60.5
87.5°	53.0	45.5	45.5	30.3	18.9
90°	78.6	50.0	46.5	32.2	17.9
92.5°	484.9	344.9	314.5	192.9	71.4
95°	1193.1	671.8	616.3	393.8	171.5
97.5°	1607.1	738.0	688.9	492.8	296.6
100°	1757.8	793.4	748.9	571.0	393.1
102.5°	1826.8	848.8	807.3	641.3	475.3
105°	1878.1	931.0	895.9	755.3	614.7
107.5°	1887.6	1052.5	1019.7	888.7	757.7
110°	1873.3	1120.4	1090.8	972.5	854.2



TEST NUMBER: P936080

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1873.9	1202.6	1174.5	1061.7	948.9
115°	1891.2	1325.9	1299.9	1195.9	1091.9
117.5°	1926.2	1445.6	1422.0	1327.4	1233.0
120°	1954.9	1515.3	1493.0	1404.1	1315.1
122.5°	1996.0	1597.5	1575.1	1485.3	1395.5
125°	2051.4	1703.0	1682.5	1600.7	1518.9
127.5°	2106.7	1804.8	1784.1	1701.5	1618.9
130°	2147.2	1872.7	1850.4	1761.5	1672.6
132.5°	2180.0	1928.0	1905.8	1816.9	1728.0
135°	2215.8	1992.4	1972.2	1891.1	1810.1
137.5°	2269.4	2074.6	2054.6	1974.4	1894.1
140°	2302.1	2130.0	2111.6	2037.7	1963.9
142.5°	2329.5	2171.1	2154.0	2085.7	2017.4
145°	2365.2	2233.6	2218.8	2159.3	2099.7
147.5°	2417.7	2312.2	2297.7	2239.8	2181.8
150°	2445.1	2353.4	2340.3	2287.9	2235.5
152.5°	2462.9	2380.1	2370.2	2330.6	2290.9
155°	2502.3	2439.2	2431.8	2402.5	2373.1
157.5°	2541.5	2498.1	2490.9	2462.4	2433.8
160°	2559.5	2524.9	2519.4	2497.1	2474.9
162.5°	2578.5	2553.5	2549.3	2532.7	2515.9
165°	2605.9	2594.6	2590.8	2575.7	2560.6
167.5°	2627.4	2617.8	2616.0	2609.0	2601.8
170°	2645.3	2644.7	2642.9	2635.7	2628.5
172.5°	2646.4	2646.4	2646.0	2644.4	2642.9
175°	2657.2	2662.5	2662.5	2662.5	2662.5
177.5°	2658.3	2662.5	2662.5	2662.5	2662.5
180°	2662.5	2662.5	2662.5	2662.5	2662.5



TEST NUMBER: P936080
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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.28	13.04	13.34	14.10	15.54	15.13	15.89	16.19	16.95	18.39
	3H	12.75	13.43	13.82	14.50	15.96	16.48	17.16	17.54	18.23	19.68
	4H	12.94	13.58	14.01	14.65	16.12	16.92	17.56	18.00	18.64	20.10
	6H	13.05	13.64	14.14	14.72	16.19	17.20	17.80	18.29	18.87	20.35
	8H	13.05	13.61	14.14	14.70	16.17	17.28	17.84	18.37	18.93	20.40
	12H	13.01	13.55	14.11	14.64	16.13	17.32	17.85	18.41	18.94	20.43
4H	2H	13.30	13.95	14.39	15.02	16.48	15.53	16.17	16.61	17.24	18.71
	3H	14.32	14.86	15.42	15.96	17.44	17.03	17.57	18.12	18.67	20.14
	4H	14.59	15.09	15.69	16.18	17.67	17.56	18.05	18.66	19.14	20.64
	6H	14.71	15.14	15.82	16.25	17.74	17.92	18.35	19.03	19.46	20.95
	8H	14.72	15.11	15.82	16.22	17.72	18.03	18.43	19.14	19.53	21.04
	12H	14.68	15.04	15.80	16.15	17.66	18.09	18.44	19.21	19.56	21.07
8H	4H	15.04	15.44	16.15	16.54	18.05	17.67	18.07	18.78	19.17	20.68
	6H	15.30	15.63	16.43	16.77	18.28	18.11	18.44	19.24	19.58	21.09
	8H	15.34	15.63	16.48	16.75	18.28	18.27	18.55	19.40	19.68	21.20
	12H	15.32	15.57	16.46	16.70	18.26	18.36	18.61	19.50	19.74	21.30
12H	4H	15.05	15.40	16.17	16.52	18.03	17.63	17.99	18.76	19.11	20.62
	6H	15.36	15.65	16.49	16.77	18.30	18.11	18.39	19.24	19.52	21.04
	8H	15.42	15.67	16.56	16.80	18.36	18.27	18.52	19.40	19.64	21.20