

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: P936079

Luminaire Tested: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936079
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-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

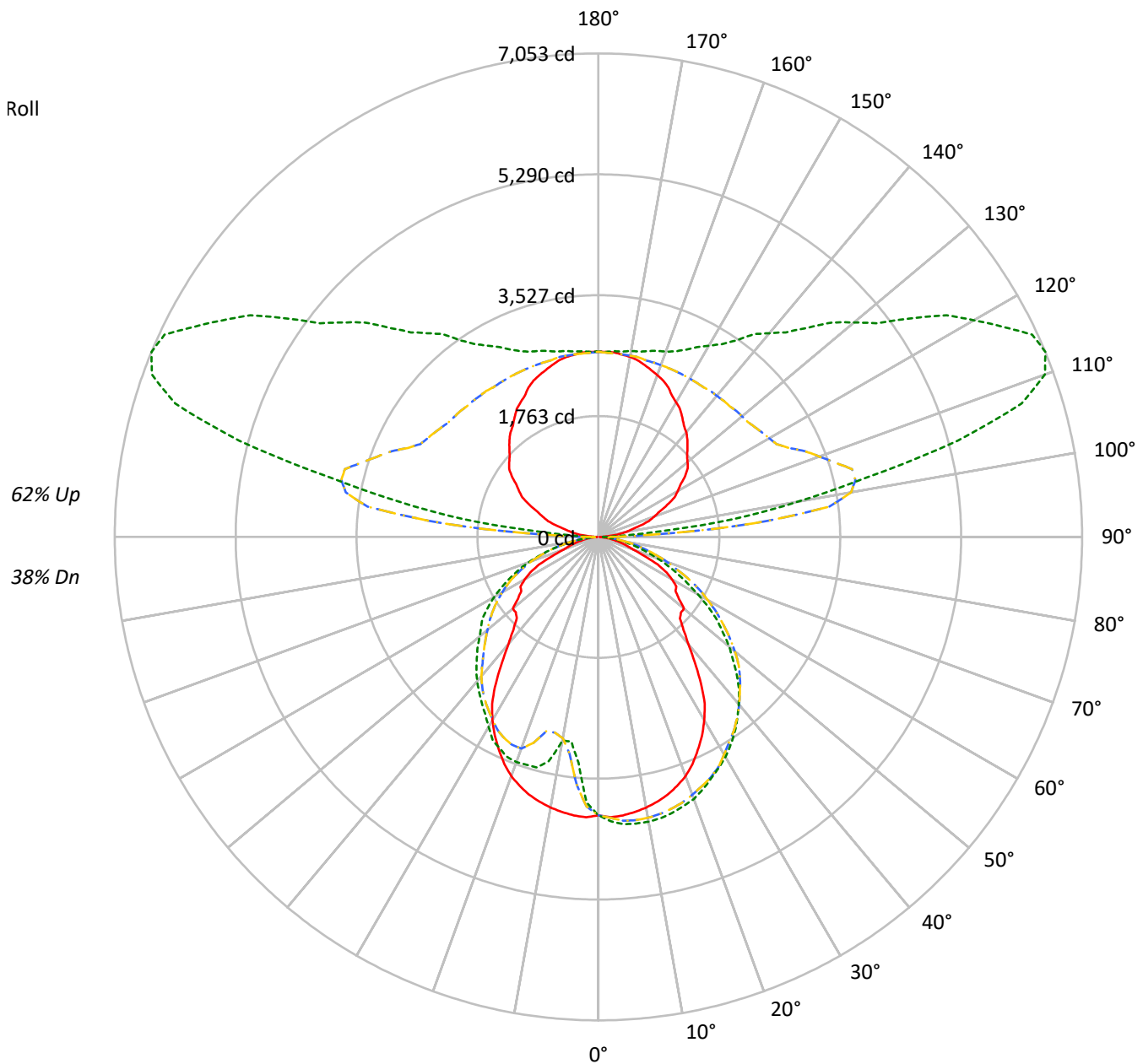
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28049.6 lumens
Efficiency: N/A
Efficacy: 129.1 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: P936079
CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-3500K

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°	12557	12557	12557	12557
5°	12656	12676	12656	9967
10°	12575	12486	12575	8927
15°	12443	12216	12443	10200
20°	12188	11896	12188	10222
25°	11660	11428	11660	10005
30°	10976	11040	10976	9530
35°	9791	10549	9791	9007
40°	8163	9971	8163	8612
45°	7298	9295	7298	8158
50°	7759	8488	7759	7702
55°	7307	7619	7307	7438
60°	7542	6471	7542	6813
65°	6849	5349	6849	5979
70°	4754	4263	4754	5012
75°	4184	3151	4184	3773
80°	3397	2083	3397	2268
85°	1990	1103	1990	938

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11178 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.5	1.3
10°-20°	1040.5	3.7
20°-30°	1608.4	5.7
30°-40°	1920.1	6.8
40°-50°	1931.4	6.9
50°-60°	1680.5	6.0
60°-70°	1191.5	4.2
70°-80°	630.4	2.2
80°-90°	167.3	0.6
90°-100°	1316.9	4.7
100°-110°	3462.1	12.3
110°-120°	3589.9	12.8
120°-130°	2879.5	10.3
130°-140°	2259.4	8.1
140°-150°	1734.2	6.2
150°-160°	1248.9	4.5
160°-170°	764.1	2.7
170°-180°	258.2	0.9
0°-30°	3015.4	10.8
0°-40°	4935.5	17.6
0°-60°	8547.4	30.5
0°-90°	10536.6	37.6
90°-120°	8368.8	29.8
90°-150°	15241.9	54.3
90°-180°	17513.0	62.4
0°-180°	28049.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4060	4060	4060	4060	4060	
5°	4079	4206	4079	3307	4079	387
15°	3895	4167	3895	3480	3895	1096
25°	3430	3887	3430	3403	3430	1575
35°	2608	3468	2608	2961	2608	1613
45°	1682	2858	1682	2508	1682	1348
55°	1371	2109	1371	2059	1371	1260
65°	952	1271	952	1421	952	910
75°	361	603	361	722	361	380
85°	61	154	61	131	61	83
90°	18	69	18	69	18	18
95°	174	796	174	796	174	193
105°	624	5421	624	5421	624	661
115°	1108	6980	1108	6980	1108	1094
125°	1541	5559	1541	5559	1541	1368
135°	1837	4313	1837	4313	1837	1421
145°	2130	3499	2130	3499	2130	1335
155°	2408	3013	2408	3013	2408	1106
165°	2598	2807	2598	2807	2598	733
175°	2702	2720	2702	2720	2702	256
180°	2702	2702	2702	2702	2702	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4094.3	4094.3	4117.4	4125.0	4125.0	4113.5	4102.0	4113.5	4148.1	4159.6	4155.8
5°	4079.0	4109.7	4152.0	4159.6	4167.3	4163.5	4155.8	4163.5	4201.9	4209.5	4213.4
7.5°	4048.2	4105.8	4159.6	4171.2	4182.7	4171.2	4167.3	4175.0	4213.4	4221.1	4221.1
10°	4009.8	4090.5	4152.0	4159.6	4171.2	4159.6	4159.6	4175.0	4213.4	4221.1	4224.9
12.5°	3956.0	4067.5	4125.0	4132.8	4148.1	4144.2	4140.4	4155.8	4194.2	4201.9	4201.9
15°	3894.6	4025.2	4079.0	4086.7	4113.5	4105.8	4105.8	4121.3	4163.5	4175.0	4171.2
17.5°	3810.1	3971.4	4032.9	4044.4	4063.6	4059.7	4063.6	4079.0	4117.4	4125.0	4128.9
20°	3714.1	3898.5	3971.4	3983.0	4002.2	4002.2	4002.2	4021.4	4059.7	4075.1	4075.1
22.5°	3583.5	3821.6	3898.5	3906.1	3929.2	3929.2	3936.9	3963.7	3998.3	4002.2	4002.2
25°	3429.9	3737.1	3802.5	3825.5	3848.5	3860.0	3871.5	3886.9	3898.5	3894.6	3898.5
27.5°	3268.5	3629.6	3714.1	3729.5	3760.2	3771.7	3787.0	3790.9	3794.7	3806.2	3798.6
30°	3088.0	3479.8	3606.5	3621.9	3671.8	3679.5	3664.2	3671.8	3691.0	3698.8	3706.4
32.5°	2884.4	3257.0	3495.2	3529.7	3575.8	3552.7	3549.0	3560.5	3591.2	3591.2	3598.9
35°	2608.0	3084.2	3391.5	3422.2	3456.7	3429.9	3445.2	3449.1	3468.2	3479.8	3476.0
37.5°	2304.5	2934.4	3283.9	3307.0	3333.8	3299.3	3322.3	3333.8	3349.3	3341.5	3341.5
40°	2035.7	2700.1	3157.2	3172.5	3195.6	3168.7	3191.7	3199.4	3207.1	3199.4	3195.6
42.5°	1836.0	2442.8	3022.7	3042.0	3026.6	3045.8	3053.4	3068.8	3057.3	3042.0	3042.0
45°	1682.3	2373.7	2876.8	2899.8	2876.8	2907.5	2919.0	2919.0	2884.4	2876.8	2873.0
47.5°	1632.4	2235.4	2730.8	2730.8	2719.3	2757.7	2777.0	2750.0	2715.4	2704.0	2704.0
50°	1628.5	2081.7	2531.1	2515.7	2569.5	2615.6	2596.4	2569.5	2542.7	2500.4	2500.4
52.5°	1478.7	1893.5	2273.8	2331.4	2415.9	2442.8	2412.0	2385.2	2339.1	2319.9	2304.5
55°	1371.1	1697.7	2039.5	2154.7	2243.0	2277.6	2220.0	2193.1	2124.0	2112.4	2104.8
57.5°	1348.2	1413.4	1824.4	1970.4	2077.9	2074.0	2039.5	1989.6	1931.9	1920.5	1916.6
60°	1236.7	1021.6	1593.9	1766.8	1878.2	1866.7	1836.0	1789.8	1736.1	1728.4	1720.7
62.5°	1121.5	741.3	1332.8	1528.7	1686.2	1682.3	1655.4	1586.3	1547.9	1528.7	1513.3
65°	952.5	622.2	948.7	1271.3	1497.9	1505.6	1448.0	1398.1	1355.8	1332.8	1328.9
67.5°	725.9	507.0	641.4	1060.1	1317.5	1309.7	1236.7	1213.7	1159.9	1148.4	1125.4
70°	537.7	338.0	445.5	860.4	1140.7	1121.5	1063.9	1037.0	987.1	960.2	944.9
72.5°	445.5	272.7	326.5	668.3	960.2	937.1	887.2	856.5	814.3	791.2	775.9
75°	361.0	288.1	249.6	495.4	779.7	764.3	718.2	687.5	652.9	622.2	626.1
77.5°	265.0	268.9	199.7	364.9	618.4	595.4	568.4	530.0	514.6	483.9	483.9
80°	199.7	211.2	149.8	249.6	445.5	445.5	422.5	395.6	368.7	353.4	353.4
82.5°	134.4	134.4	111.3	157.5	303.4	291.9	276.6	268.9	253.5	245.8	245.8
85°	61.4	76.8	69.1	96.0	165.1	172.9	172.9	165.1	161.3	153.6	157.5
87.5°	19.2	34.6	42.2	53.8	84.5	88.4	92.2	92.2	92.2	96.0	96.0
90°	18.1	32.7	47.2	50.8	79.7	118.4	137.8	122.5	91.9	68.9	68.9
92.5°	72.5	195.7	319.1	349.9	492.0	681.3	776.0	680.0	488.3	344.5	330.8
95°	174.0	399.6	625.3	681.7	1210.6	1915.7	2268.2	2024.0	1535.8	1169.5	1128.0
97.5°	301.0	500.0	699.0	748.8	1630.6	2806.3	3394.1	3239.9	2931.2	2699.7	2620.8
100°	398.8	579.4	759.9	805.0	1783.5	3088.1	3740.4	3751.7	3774.3	3791.2	3697.1
102.5°	482.3	650.7	819.1	861.2	1853.6	3176.8	3838.4	4035.0	4428.2	4723.2	4642.6
105°	623.7	766.4	909.0	944.7	1905.6	3186.8	3827.5	4268.3	5149.8	5811.0	5767.7
107.5°	768.8	901.8	1034.7	1067.9	1915.2	3045.0	3609.9	4224.7	5454.4	6376.7	6387.2
110°	866.7	986.7	1106.8	1136.8	1900.8	2919.3	3428.6	4116.0	5490.7	6521.8	6566.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	962.8	1077.2	1191.7	1220.3	1901.4	2809.5	3263.6	3967.1	5374.1	6429.3	6498.6
115°	1107.9	1213.4	1319.0	1345.4	1918.9	2683.6	3066.0	3743.7	5099.1	6115.6	6211.8
117.5°	1251.1	1346.9	1442.8	1466.8	1954.5	2604.8	2930.0	3541.6	4764.9	5682.3	5788.9
120°	1334.4	1424.7	1514.9	1537.5	1983.5	2578.2	2875.6	3434.4	4552.1	5390.4	5493.9
122.5°	1416.0	1507.1	1598.2	1620.9	2025.3	2564.4	2833.9	3337.1	4343.6	5098.5	5200.6
125°	1541.2	1624.1	1707.2	1727.9	2081.5	2552.9	2788.6	3216.1	4071.1	4712.2	4806.3
127.5°	1642.6	1726.5	1810.3	1831.2	2137.6	2546.2	2750.5	3117.6	3851.7	4402.3	4481.6
130°	1697.1	1787.3	1877.5	1900.1	2178.7	2550.2	2736.0	3062.7	3716.3	4206.4	4279.8
132.5°	1753.3	1843.5	1933.7	1956.3	2211.9	2552.8	2723.3	3015.8	3600.9	4039.7	4105.4
135°	1836.6	1918.8	2001.1	2021.6	2248.3	2550.5	2701.6	2946.5	3436.5	3803.9	3860.5
137.5°	1921.9	2003.3	2084.7	2105.1	2302.6	2566.1	2697.9	2905.0	3319.2	3629.9	3676.2
140°	1992.7	2067.6	2142.6	2161.3	2335.9	2568.7	2685.2	2864.1	3221.9	3490.2	3533.6
142.5°	2047.0	2116.3	2185.6	2202.9	2363.7	2578.0	2685.2	2842.4	3156.6	3392.4	3429.7
145°	2130.4	2190.9	2251.3	2266.4	2399.9	2578.0	2667.1	2795.6	3052.6	3245.5	3273.7
147.5°	2213.8	2272.6	2331.4	2346.1	2453.1	2595.8	2667.1	2768.2	2970.5	3122.2	3145.6
150°	2268.2	2321.4	2374.6	2387.9	2480.9	2605.1	2667.1	2752.5	2923.4	3051.5	3070.4
152.5°	2324.4	2364.7	2405.0	2415.0	2499.1	2611.1	2667.1	2740.0	2885.9	2995.3	3009.6
155°	2407.9	2437.7	2467.5	2474.9	2539.0	2624.3	2667.1	2725.1	2841.2	2928.2	2937.7
157.5°	2469.5	2498.5	2527.4	2534.7	2578.8	2637.6	2667.1	2712.2	2802.4	2870.2	2876.9
160°	2511.2	2533.7	2556.3	2561.9	2597.0	2643.7	2667.1	2705.7	2783.1	2841.1	2845.0
162.5°	2552.8	2569.8	2586.6	2590.9	2616.3	2650.1	2667.1	2699.7	2765.0	2814.0	2817.6
165°	2598.2	2613.5	2628.8	2632.7	2644.1	2659.4	2667.1	2690.4	2737.1	2772.2	2776.1
167.5°	2639.9	2647.2	2654.4	2656.2	2665.9	2678.8	2685.2	2700.5	2731.1	2754.1	2755.7
170°	2667.1	2674.3	2681.6	2683.5	2684.0	2684.8	2685.2	2700.5	2731.1	2754.1	2754.1
172.5°	2681.6	2683.2	2684.8	2685.2	2685.2	2685.2	2685.2	2697.3	2721.5	2739.7	2738.2
175°	2701.6	2701.6	2701.6	2701.6	2696.1	2688.9	2685.2	2692.9	2708.2	2719.7	2719.7
177.5°	2701.6	2701.6	2701.6	2701.6	2697.3	2691.7	2688.9	2694.9	2707.0	2716.0	2714.4
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4163.5	4152.0	4163.5	4155.8	4159.6	4148.1	4113.5	4102.0	4113.5	4125.0	4125.0
5°	4213.4	4205.8	4213.4	4213.4	4209.5	4201.9	4163.5	4155.8	4163.5	4167.3	4159.6
7.5°	4228.7	4217.3	4228.7	4221.1	4221.1	4213.4	4175.0	4167.3	4171.2	4182.7	4171.2
10°	4228.7	4217.3	4228.7	4224.9	4221.1	4213.4	4175.0	4159.6	4159.6	4171.2	4159.6
12.5°	4209.5	4201.9	4209.5	4201.9	4201.9	4194.2	4155.8	4140.4	4144.2	4148.1	4132.8
15°	4178.8	4167.3	4178.8	4171.2	4175.0	4163.5	4121.3	4105.8	4105.8	4113.5	4086.7
17.5°	4132.8	4117.4	4132.8	4128.9	4125.0	4117.4	4079.0	4063.6	4059.7	4063.6	4044.4
20°	4079.0	4067.5	4079.0	4075.1	4075.1	4059.7	4021.4	4002.2	4002.2	4002.2	3983.0
22.5°	3994.5	3983.0	3994.5	4002.2	4002.2	3998.3	3963.7	3936.9	3929.2	3929.2	3906.1
25°	3898.5	3886.9	3898.5	3898.5	3894.6	3898.5	3886.9	3871.5	3860.0	3848.5	3825.5
27.5°	3806.2	3798.6	3806.2	3798.6	3806.2	3794.7	3790.9	3787.0	3771.7	3760.2	3729.5
30°	3714.1	3706.4	3714.1	3706.4	3698.8	3691.0	3671.8	3664.2	3679.5	3671.8	3621.9
32.5°	3598.9	3591.2	3598.9	3598.9	3591.2	3591.2	3560.5	3549.0	3552.7	3575.8	3529.7
35°	3479.8	3468.2	3479.8	3476.0	3479.8	3468.2	3449.1	3445.2	3429.9	3456.7	3422.2
37.5°	3341.5	3330.0	3341.5	3341.5	3341.5	3349.3	3333.8	3322.3	3299.3	3333.8	3307.0
40°	3199.4	3184.0	3199.4	3195.6	3199.4	3207.1	3199.4	3191.7	3168.7	3195.6	3172.5
42.5°	3038.1	3034.2	3038.1	3042.0	3042.0	3057.3	3068.8	3053.4	3045.8	3026.6	3042.0
45°	2865.2	2857.6	2865.2	2873.0	2876.8	2884.4	2919.0	2919.0	2907.5	2876.8	2899.8
47.5°	2680.9	2661.7	2680.9	2704.0	2704.0	2715.4	2750.0	2777.0	2757.7	2719.3	2730.8
50°	2485.0	2488.9	2485.0	2500.4	2500.4	2542.7	2569.5	2596.4	2615.6	2569.5	2515.7
52.5°	2292.9	2289.2	2292.9	2304.5	2319.9	2339.1	2385.2	2412.0	2442.8	2415.9	2331.4
55°	2100.9	2108.6	2100.9	2104.8	2112.4	2124.0	2193.1	2220.0	2277.6	2243.0	2154.7
57.5°	1908.9	1897.4	1908.9	1916.6	1920.5	1931.9	1989.6	2039.5	2074.0	2077.9	1970.4
60°	1686.2	1670.7	1686.2	1720.7	1728.4	1736.1	1789.8	1836.0	1866.7	1878.2	1766.8
62.5°	1490.2	1463.4	1490.2	1513.3	1528.7	1547.9	1586.3	1655.4	1682.3	1686.2	1528.7
65°	1282.9	1271.3	1282.9	1328.9	1332.8	1355.8	1398.1	1448.0	1505.6	1497.9	1271.3
67.5°	1094.7	1094.7	1094.7	1125.4	1148.4	1159.9	1213.7	1236.7	1309.7	1317.5	1060.1
70°	921.8	917.9	921.8	944.9	960.2	987.1	1037.0	1063.9	1121.5	1140.7	860.4
72.5°	756.7	752.8	756.7	775.9	791.2	814.3	856.5	887.2	937.1	960.2	668.3
75°	610.7	603.0	610.7	626.1	622.2	652.9	687.5	718.2	764.3	779.7	495.4
77.5°	468.6	468.6	468.6	483.9	483.9	514.6	530.0	568.4	595.4	618.4	364.9
80°	349.5	345.6	349.5	353.4	353.4	368.7	395.6	422.5	445.5	445.5	249.6
82.5°	245.8	238.1	245.8	245.8	245.8	253.5	268.9	276.6	291.9	303.4	157.5
85°	153.6	153.6	153.6	157.5	153.6	161.3	165.1	172.9	172.9	165.1	96.0
87.5°	99.9	96.0	99.9	96.0	96.0	92.2	92.2	92.2	88.4	84.5	53.8
90°	68.9	68.9	68.9	68.9	68.9	91.9	122.5	137.8	118.4	79.7	50.8
92.5°	276.0	221.2	276.0	330.8	344.5	488.3	680.0	776.0	681.3	492.0	349.9
95°	961.9	795.9	961.9	1128.0	1169.5	1535.8	2024.0	2268.2	1915.7	1210.6	681.7
97.5°	2304.9	1989.0	2304.9	2620.8	2699.7	2931.2	3239.9	3394.1	2806.3	1630.6	748.8
100°	3320.9	2944.5	3320.9	3697.1	3791.2	3774.3	3751.7	3740.4	3088.1	1783.5	805.0
102.5°	4320.3	3997.9	4320.3	4642.6	4723.2	4428.2	4035.0	3838.4	3176.8	1853.6	861.2
105°	5594.5	5421.3	5594.5	5767.7	5811.0	5149.8	4268.3	3827.5	3186.8	1905.6	944.7
107.5°	6429.1	6471.0	6429.1	6387.2	6376.7	5454.4	4224.7	3609.9	3045.0	1915.2	1067.9
110°	6747.4	6928.0	6747.4	6566.9	6521.8	5490.7	4116.0	3428.6	2919.3	1900.8	1136.8



TEST NUMBER: P936079

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	6775.8	7053.1	6775.8	6498.6	6429.3	5374.1	3967.1	3263.6	2809.5	1901.4	1220.3
115°	6596.1	6980.5	6596.1	6211.8	6115.6	5099.1	3743.7	3066.0	2683.6	1918.9	1345.4
117.5°	6215.2	6641.4	6215.2	5788.9	5682.3	4764.9	3541.6	2930.0	2604.8	1954.5	1466.8
120°	5908.1	6322.3	5908.1	5493.9	5390.4	4552.1	3434.4	2875.6	2578.2	1983.5	1537.5
122.5°	5609.3	6017.8	5609.3	5200.6	5098.5	4343.6	3337.1	2833.9	2564.4	2025.3	1620.9
125°	5182.7	5559.1	5182.7	4806.3	4712.2	4071.1	3216.1	2788.6	2552.9	2081.5	1727.9
127.5°	4799.2	5116.6	4799.2	4481.6	4402.3	3851.7	3117.6	2750.5	2546.2	2137.6	1831.2
130°	4573.1	4866.4	4573.1	4279.8	4206.4	3716.3	3062.7	2736.0	2550.2	2178.7	1900.1
132.5°	4368.0	4630.7	4368.0	4105.4	4039.7	3600.9	3015.8	2723.3	2552.8	2211.9	1956.3
135°	4087.0	4313.4	4087.0	3860.5	3803.9	3436.5	2946.5	2701.6	2550.5	2248.3	2021.6
137.5°	3861.6	4046.8	3861.6	3676.2	3629.9	3319.2	2905.0	2697.9	2566.1	2302.6	2105.1
140°	3706.8	3880.1	3706.8	3533.6	3490.2	3221.9	2864.1	2685.2	2568.7	2335.9	2161.3
142.5°	3578.7	3727.7	3578.7	3429.7	3392.4	3156.6	2842.4	2685.2	2578.0	2363.7	2202.9
145°	3386.6	3499.3	3386.6	3273.7	3245.5	3052.6	2795.6	2667.1	2578.0	2399.9	2266.4
147.5°	3239.1	3332.5	3239.1	3145.6	3122.2	2970.5	2768.2	2667.1	2595.8	2453.1	2346.1
150°	3146.1	3221.9	3146.1	3070.4	3051.5	2923.4	2752.5	2667.1	2605.1	2480.9	2387.9
152.5°	3066.8	3124.0	3066.8	3009.6	2995.3	2885.9	2740.0	2667.1	2611.1	2499.1	2415.0
155°	2975.5	3013.4	2975.5	2937.7	2928.2	2841.2	2725.1	2667.1	2624.3	2539.0	2474.9
157.5°	2903.4	2930.0	2903.4	2876.9	2870.2	2802.4	2712.2	2667.1	2637.6	2578.8	2534.7
160°	2860.3	2875.6	2860.3	2845.0	2841.1	2783.1	2705.7	2667.1	2643.7	2597.0	2561.9
162.5°	2832.1	2846.6	2832.1	2817.6	2814.0	2765.0	2699.7	2667.1	2650.1	2616.3	2590.9
165°	2791.4	2806.7	2791.4	2776.1	2772.2	2737.1	2690.4	2667.1	2659.4	2644.1	2632.7
167.5°	2762.1	2768.6	2762.1	2755.7	2754.1	2731.1	2700.5	2685.2	2678.8	2665.9	2656.2
170°	2754.1	2754.1	2754.1	2754.1	2754.1	2731.1	2700.5	2685.2	2684.8	2684.0	2683.5
172.5°	2732.6	2727.0	2732.6	2738.2	2739.7	2721.5	2697.3	2685.2	2685.2	2685.2	2685.2
175°	2719.7	2719.7	2719.7	2719.7	2719.7	2708.2	2692.9	2685.2	2688.9	2696.1	2701.6
177.5°	2708.0	2701.6	2708.0	2714.4	2716.0	2707.0	2694.9	2688.9	2691.7	2697.3	2701.6
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4117.4	4094.3	4094.3	4055.9	4040.5	4029.0	4009.8	3952.3	3936.9	3921.4	3944.5
5°	4152.0	4109.7	4079.0	4009.8	3952.3	3929.2	3856.2	3718.0	3625.7	3556.6	3518.2
7.5°	4159.6	4105.8	4048.2	3940.7	3802.5	3741.0	3518.2	3264.8	3195.6	3134.1	3095.7
10°	4152.0	4090.5	4009.8	3848.5	3522.0	3414.5	3191.7	3026.6	2984.3	2972.8	2984.3
12.5°	4125.0	4067.5	3956.0	3687.2	3230.2	3157.2	3026.6	2930.5	2922.9	2942.1	3045.8
15°	4079.0	4025.2	3894.6	3472.1	3068.8	3015.0	2922.9	2888.3	2930.5	3064.9	3376.1
17.5°	4032.9	3971.4	3810.1	3260.9	2946.0	2907.5	2842.2	2911.4	3149.4	3330.0	3433.7
20°	3971.4	3898.5	3714.1	3107.2	2857.6	2823.0	2792.3	3103.4	3283.9	3349.3	3406.8
22.5°	3898.5	3821.6	3583.5	2999.7	2765.4	2738.5	2757.7	3211.0	3283.9	3330.0	3380.0
25°	3802.5	3737.1	3429.9	2915.2	2692.5	2661.7	2734.7	3199.4	3241.7	3253.2	3353.0
27.5°	3714.1	3629.6	3268.5	2838.4	2604.1	2592.6	2753.9	3149.4	3180.3	3191.7	3299.3
30°	3606.5	3479.8	3088.0	2757.7	2511.9	2508.1	2757.7	3088.0	3080.4	3111.1	3218.6
32.5°	3495.2	3257.0	2884.4	2657.9	2423.6	2419.7	2730.8	2995.9	2988.2	3030.5	3111.1
35°	3391.5	3084.2	2608.0	2542.7	2312.2	2316.0	2665.5	2888.3	2892.2	2930.5	2980.5
37.5°	3283.9	2934.4	2304.5	2415.9	2204.7	2204.7	2577.2	2788.5	2780.7	2792.3	2861.5
40°	3157.2	2700.1	2035.7	2250.7	2104.8	2093.2	2469.7	2680.9	2654.0	2650.2	2746.2
42.5°	3022.7	2442.8	1836.0	2031.8	1989.6	1974.1	2339.1	2550.3	2500.4	2511.9	2634.8
45°	2876.8	2373.7	1682.3	1716.9	1870.5	1858.9	2196.9	2400.5	2365.9	2396.7	2523.5
47.5°	2730.8	2235.4	1632.4	1424.9	1743.7	1739.9	2039.5	2254.6	2235.4	2266.1	2400.5
50°	2531.1	2081.7	1628.5	1221.4	1601.7	1617.0	1851.3	2112.4	2112.4	2139.4	2281.4
52.5°	2273.8	1893.5	1478.7	1106.1	1436.4	1482.6	1686.2	1989.6	1997.2	2024.1	2150.9
55°	2039.5	1697.7	1371.1	1017.8	1240.6	1340.4	1524.8	1862.8	1878.2	1905.1	2020.3
57.5°	1824.4	1413.4	1348.2	914.2	1060.1	1156.1	1382.7	1739.9	1747.6	1770.7	1882.0
60°	1593.9	1021.6	1236.7	802.7	902.6	975.6	1252.1	1593.9	1620.8	1636.2	1732.2
62.5°	1332.8	741.3	1121.5	725.9	825.8	841.2	1144.6	1455.6	1490.2	1501.8	1559.4
65°	948.7	622.2	952.5	660.7	745.2	748.9	1029.4	1313.6	1344.3	1363.5	1405.7
67.5°	641.4	507.0	725.9	599.1	683.6	687.5	917.9	1148.4	1190.6	1206.0	1233.0
70°	445.5	338.0	537.7	533.9	614.5	622.2	798.9	998.7	1037.0	1048.6	1063.9
72.5°	326.5	272.7	445.5	480.1	541.6	549.2	676.0	829.7	868.0	879.6	887.2
75°	249.6	288.1	361.0	418.6	460.9	464.7	553.1	676.0	702.9	710.6	714.3
77.5°	199.7	268.9	265.0	338.0	376.4	368.7	434.0	522.4	545.4	545.4	545.4
80°	149.8	211.2	199.7	242.0	276.6	268.9	311.1	372.6	380.2	387.9	384.1
82.5°	111.3	134.4	134.4	153.6	184.4	176.6	207.4	242.0	242.0	242.0	249.6
85°	69.1	76.8	61.4	80.6	103.7	99.9	115.2	130.6	134.4	134.4	126.7
87.5°	42.2	34.6	19.2	30.7	46.1	46.1	53.8	57.7	53.8	53.8	53.8
90°	47.2	32.7	18.1	32.7	47.2	50.8	79.7	118.4	137.8	122.5	91.9
92.5°	319.1	195.7	72.5	195.7	319.1	349.9	492.0	681.3	776.0	680.0	488.3
95°	625.3	399.6	174.0	399.6	625.3	681.7	1210.6	1915.7	2268.2	2024.0	1535.8
97.5°	699.0	500.0	301.0	500.0	699.0	748.8	1630.6	2806.3	3394.1	3239.9	2931.2
100°	759.9	579.4	398.8	579.4	759.9	805.0	1783.5	3088.1	3740.4	3751.7	3774.3
102.5°	819.1	650.7	482.3	650.7	819.1	861.2	1853.6	3176.8	3838.4	4035.0	4428.2
105°	909.0	766.4	623.7	766.4	909.0	944.7	1905.6	3186.8	3827.5	4268.3	5149.8
107.5°	1034.7	901.8	768.8	901.8	1034.7	1067.9	1915.2	3045.0	3609.9	4224.7	5454.4
110°	1106.8	986.7	866.7	986.7	1106.8	1136.8	1900.8	2919.3	3428.6	4116.0	5490.7



TEST NUMBER: P936079

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1191.7	1077.2	962.8	1077.2	1191.7	1220.3	1901.4	2809.5	3263.6	3967.1	5374.1
115°	1319.0	1213.4	1107.9	1213.4	1319.0	1345.4	1918.9	2683.6	3066.0	3743.7	5099.1
117.5°	1442.8	1346.9	1251.1	1346.9	1442.8	1466.8	1954.5	2604.8	2930.0	3541.6	4764.9
120°	1514.9	1424.7	1334.4	1424.7	1514.9	1537.5	1983.5	2578.2	2875.6	3434.4	4552.1
122.5°	1598.2	1507.1	1416.0	1507.1	1598.2	1620.9	2025.3	2564.4	2833.9	3337.1	4343.6
125°	1707.2	1624.1	1541.2	1624.1	1707.2	1727.9	2081.5	2552.9	2788.6	3216.1	4071.1
127.5°	1810.3	1726.5	1642.6	1726.5	1810.3	1831.2	2137.6	2546.2	2750.5	3117.6	3851.7
130°	1877.5	1787.3	1697.1	1787.3	1877.5	1900.1	2178.7	2550.2	2736.0	3062.7	3716.3
132.5°	1933.7	1843.5	1753.3	1843.5	1933.7	1956.3	2211.9	2552.8	2723.3	3015.8	3600.9
135°	2001.1	1918.8	1836.6	1918.8	2001.1	2021.6	2248.3	2550.5	2701.6	2946.5	3436.5
137.5°	2084.7	2003.3	1921.9	2003.3	2084.7	2105.1	2302.6	2566.1	2697.9	2905.0	3319.2
140°	2142.6	2067.6	1992.7	2067.6	2142.6	2161.3	2335.9	2568.7	2685.2	2864.1	3221.9
142.5°	2185.6	2116.3	2047.0	2116.3	2185.6	2202.9	2363.7	2578.0	2685.2	2842.4	3156.6
145°	2251.3	2190.9	2130.4	2190.9	2251.3	2266.4	2399.9	2578.0	2667.1	2795.6	3052.6
147.5°	2331.4	2272.6	2213.8	2272.6	2331.4	2346.1	2453.1	2595.8	2667.1	2768.2	2970.5
150°	2374.6	2321.4	2268.2	2321.4	2374.6	2387.9	2480.9	2605.1	2667.1	2752.5	2923.4
152.5°	2405.0	2364.7	2324.4	2364.7	2405.0	2415.0	2499.1	2611.1	2667.1	2740.0	2885.9
155°	2467.5	2437.7	2407.9	2437.7	2467.5	2474.9	2539.0	2624.3	2667.1	2725.1	2841.2
157.5°	2527.4	2498.5	2469.5	2498.5	2527.4	2534.7	2578.8	2637.6	2667.1	2712.2	2802.4
160°	2556.3	2533.7	2511.2	2533.7	2556.3	2561.9	2597.0	2643.7	2667.1	2705.7	2783.1
162.5°	2586.6	2569.8	2552.8	2569.8	2586.6	2590.9	2616.3	2650.1	2667.1	2699.7	2765.0
165°	2628.8	2613.5	2598.2	2613.5	2628.8	2632.7	2644.1	2659.4	2667.1	2690.4	2737.1
167.5°	2654.4	2647.2	2639.9	2647.2	2654.4	2656.2	2665.9	2678.8	2685.2	2700.5	2731.1
170°	2681.6	2674.3	2667.1	2674.3	2681.6	2683.5	2684.0	2684.8	2685.2	2700.5	2731.1
172.5°	2684.8	2683.2	2681.6	2683.2	2684.8	2685.2	2685.2	2685.2	2685.2	2697.3	2721.5
175°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2696.1	2688.9	2685.2	2692.9	2708.2
177.5°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2697.3	2691.7	2688.9	2694.9	2707.0
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P936079

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	3917.7	3906.1	3921.4	3879.2	3921.4	3906.1	3917.7	3944.5	3921.4	3936.9	3952.3
5°	3437.5	3418.3	3356.9	3307.0	3356.9	3418.3	3437.5	3518.2	3556.6	3625.7	3718.0
7.5°	3072.7	3057.3	3042.0	3011.2	3042.0	3057.3	3072.7	3095.7	3134.1	3195.6	3264.8
10°	2992.0	2995.9	3018.9	3015.0	3018.9	2995.9	2992.0	2984.3	2972.8	2984.3	3026.6
12.5°	3199.4	3233.9	3360.7	3353.0	3360.7	3233.9	3199.4	3045.8	2942.1	2922.9	2930.5
15°	3437.5	3449.1	3476.0	3479.8	3476.0	3449.1	3437.5	3376.1	3064.9	2930.5	2888.3
17.5°	3460.6	3464.5	3483.7	3483.7	3483.7	3464.5	3460.6	3433.7	3330.0	3149.4	2911.4
20°	3441.4	3449.1	3487.4	3495.2	3487.4	3449.1	3441.4	3406.8	3349.3	3283.9	3103.4
22.5°	3433.7	3449.1	3479.8	3476.0	3479.8	3449.1	3433.7	3380.0	3330.0	3283.9	3211.0
25°	3395.3	3395.3	3399.2	3402.9	3399.2	3395.3	3395.3	3353.0	3253.2	3241.7	3199.4
27.5°	3314.7	3322.3	3345.4	3341.5	3345.4	3322.3	3314.7	3299.3	3191.7	3180.3	3149.4
30°	3241.7	3233.9	3214.8	3199.4	3214.8	3233.9	3241.7	3218.6	3111.1	3080.4	3088.0
32.5°	3118.7	3099.5	3080.4	3068.8	3080.4	3099.5	3118.7	3111.1	3030.5	2988.2	2995.9
35°	2972.8	2976.7	2972.8	2961.3	2972.8	2976.7	2972.8	2980.5	2930.5	2892.2	2888.3
37.5°	2869.1	2876.8	2873.0	2857.6	2873.0	2876.8	2869.1	2861.5	2792.3	2780.7	2788.5
40°	2761.6	2765.4	2761.6	2750.0	2761.6	2765.4	2761.6	2746.2	2650.2	2654.0	2680.9
42.5°	2657.9	2654.0	2642.5	2634.8	2642.5	2654.0	2657.9	2634.8	2511.9	2500.4	2550.3
45°	2538.8	2542.7	2519.6	2508.1	2519.6	2542.7	2538.8	2523.5	2396.7	2365.9	2400.5
47.5°	2419.7	2419.7	2400.5	2389.0	2400.5	2419.7	2419.7	2400.5	2266.1	2235.4	2254.6
50°	2292.9	2289.2	2262.2	2258.4	2262.2	2289.2	2292.9	2281.4	2139.4	2112.4	2112.4
52.5°	2147.0	2147.0	2150.9	2158.5	2150.9	2147.0	2147.0	2150.9	2024.1	1997.2	1989.6
55°	2020.3	2024.1	2051.0	2058.6	2051.0	2024.1	2020.3	2020.3	1905.1	1878.2	1862.8
57.5°	1889.6	1889.6	1908.9	1908.9	1908.9	1889.6	1889.6	1882.0	1770.7	1747.6	1739.9
60°	1739.9	1747.6	1762.9	1759.1	1762.9	1747.6	1739.9	1732.2	1636.2	1620.8	1593.9
62.5°	1582.4	1590.1	1593.9	1586.3	1593.9	1590.1	1582.4	1559.4	1501.8	1490.2	1455.6
65°	1417.3	1424.9	1428.8	1421.1	1428.8	1424.9	1417.3	1405.7	1363.5	1344.3	1313.6
67.5°	1248.3	1244.4	1240.6	1255.9	1240.6	1244.4	1248.3	1233.0	1206.0	1190.6	1148.4
70°	1075.4	1075.4	1071.6	1079.3	1071.6	1075.4	1075.4	1063.9	1048.6	1037.0	998.7
72.5°	891.1	887.2	902.6	891.1	902.6	887.2	891.1	887.2	879.6	868.0	829.7
75°	710.6	718.2	710.6	722.1	710.6	718.2	710.6	714.3	710.6	702.9	676.0
77.5°	541.6	549.2	541.6	541.6	541.6	549.2	541.6	545.4	545.4	545.4	522.4
80°	384.1	380.2	380.2	376.4	380.2	380.2	384.1	384.1	387.9	380.2	372.6
82.5°	245.8	242.0	242.0	249.6	242.0	242.0	245.8	249.6	242.0	242.0	242.0
85°	134.4	138.3	130.6	130.6	130.6	138.3	134.4	126.7	134.4	134.4	130.6
87.5°	49.9	46.1	46.1	46.1	46.1	46.1	49.9	53.8	53.8	53.8	57.7
90°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	91.9	122.5	137.8	118.4
92.5°	344.5	330.8	276.0	221.2	276.0	330.8	344.5	488.3	680.0	776.0	681.3
95°	1169.5	1128.0	961.9	795.9	961.9	1128.0	1169.5	1535.8	2024.0	2268.2	1915.7
97.5°	2699.7	2620.8	2304.9	1989.0	2304.9	2620.8	2699.7	2931.2	3239.9	3394.1	2806.3
100°	3791.2	3697.1	3320.9	2944.5	3320.9	3697.1	3791.2	3774.3	3751.7	3740.4	3088.1
102.5°	4723.2	4642.6	4320.3	3997.9	4320.3	4642.6	4723.2	4428.2	4035.0	3838.4	3176.8
105°	5811.0	5767.7	5594.5	5421.3	5594.5	5767.7	5811.0	5149.8	4268.3	3827.5	3186.8
107.5°	6376.7	6387.2	6429.1	6471.0	6429.1	6387.2	6376.7	5454.4	4224.7	3609.9	3045.0
110°	6521.8	6566.9	6747.4	6928.0	6747.4	6566.9	6521.8	5490.7	4116.0	3428.6	2919.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	6429.3	6498.6	6775.8	7053.1	6775.8	6498.6	6429.3	5374.1	3967.1	3263.6	2809.5
115°	6115.6	6211.8	6596.1	6980.5	6596.1	6211.8	6115.6	5099.1	3743.7	3066.0	2683.6
117.5°	5682.3	5788.9	6215.2	6641.4	6215.2	5788.9	5682.3	4764.9	3541.6	2930.0	2604.8
120°	5390.4	5493.9	5908.1	6322.3	5908.1	5493.9	5390.4	4552.1	3434.4	2875.6	2578.2
122.5°	5098.5	5200.6	5609.3	6017.8	5609.3	5200.6	5098.5	4343.6	3337.1	2833.9	2564.4
125°	4712.2	4806.3	5182.7	5559.1	5182.7	4806.3	4712.2	4071.1	3216.1	2788.6	2552.9
127.5°	4402.3	4481.6	4799.2	5116.6	4799.2	4481.6	4402.3	3851.7	3117.6	2750.5	2546.2
130°	4206.4	4279.8	4573.1	4866.4	4573.1	4279.8	4206.4	3716.3	3062.7	2736.0	2550.2
132.5°	4039.7	4105.4	4368.0	4630.7	4368.0	4105.4	4039.7	3600.9	3015.8	2723.3	2552.8
135°	3803.9	3860.5	4087.0	4313.4	4087.0	3860.5	3803.9	3436.5	2946.5	2701.6	2550.5
137.5°	3629.9	3676.2	3861.6	4046.8	3861.6	3676.2	3629.9	3319.2	2905.0	2697.9	2566.1
140°	3490.2	3533.6	3706.8	3880.1	3706.8	3533.6	3490.2	3221.9	2864.1	2685.2	2568.7
142.5°	3392.4	3429.7	3578.7	3727.7	3578.7	3429.7	3392.4	3156.6	2842.4	2685.2	2578.0
145°	3245.5	3273.7	3386.6	3499.3	3386.6	3273.7	3245.5	3052.6	2795.6	2667.1	2578.0
147.5°	3122.2	3145.6	3239.1	3332.5	3239.1	3145.6	3122.2	2970.5	2768.2	2667.1	2595.8
150°	3051.5	3070.4	3146.1	3221.9	3146.1	3070.4	3051.5	2923.4	2752.5	2667.1	2605.1
152.5°	2995.3	3009.6	3066.8	3124.0	3066.8	3009.6	2995.3	2885.9	2740.0	2667.1	2611.1
155°	2928.2	2937.7	2975.5	3013.4	2975.5	2937.7	2928.2	2841.2	2725.1	2667.1	2624.3
157.5°	2870.2	2876.9	2903.4	2930.0	2903.4	2876.9	2870.2	2802.4	2712.2	2667.1	2637.6
160°	2841.1	2845.0	2860.3	2875.6	2860.3	2845.0	2841.1	2783.1	2705.7	2667.1	2643.7
162.5°	2814.0	2817.6	2832.1	2846.6	2832.1	2817.6	2814.0	2765.0	2699.7	2667.1	2650.1
165°	2772.2	2776.1	2791.4	2806.7	2791.4	2776.1	2772.2	2737.1	2690.4	2667.1	2659.4
167.5°	2754.1	2755.7	2762.1	2768.6	2762.1	2755.7	2754.1	2731.1	2700.5	2685.2	2678.8
170°	2754.1	2754.1	2754.1	2754.1	2754.1	2754.1	2754.1	2731.1	2700.5	2685.2	2684.8
172.5°	2739.7	2738.2	2732.6	2727.0	2732.6	2738.2	2739.7	2721.5	2697.3	2685.2	2685.2
175°	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2708.2	2692.9	2685.2	2688.9
177.5°	2716.0	2714.4	2708.0	2701.6	2708.0	2714.4	2716.0	2707.0	2694.9	2688.9	2691.7
180°	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P936079

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4059.7	4059.7	4059.7	4059.7	4059.7
2.5°	4009.8	4029.0	4040.5	4055.9	4094.3
5°	3856.2	3929.2	3952.3	4009.8	4079.0
7.5°	3518.2	3741.0	3802.5	3940.7	4048.2
10°	3191.7	3414.5	3522.0	3848.5	4009.8
12.5°	3026.6	3157.2	3230.2	3687.2	3956.0
15°	2922.9	3015.0	3068.8	3472.1	3894.6
17.5°	2842.2	2907.5	2946.0	3260.9	3810.1
20°	2792.3	2823.0	2857.6	3107.2	3714.1
22.5°	2757.7	2738.5	2765.4	2999.7	3583.5
25°	2734.7	2661.7	2692.5	2915.2	3429.9
27.5°	2753.9	2592.6	2604.1	2838.4	3268.5
30°	2757.7	2508.1	2511.9	2757.7	3088.0
32.5°	2730.8	2419.7	2423.6	2657.9	2884.4
35°	2665.5	2316.0	2312.2	2542.7	2608.0
37.5°	2577.2	2204.7	2204.7	2415.9	2304.5
40°	2469.7	2093.2	2104.8	2250.7	2035.7
42.5°	2339.1	1974.1	1989.6	2031.8	1836.0
45°	2196.9	1858.9	1870.5	1716.9	1682.3
47.5°	2039.5	1739.9	1743.7	1424.9	1632.4
50°	1851.3	1617.0	1601.7	1221.4	1628.5
52.5°	1686.2	1482.6	1436.4	1106.1	1478.7
55°	1524.8	1340.4	1240.6	1017.8	1371.1
57.5°	1382.7	1156.1	1060.1	914.2	1348.2
60°	1252.1	975.6	902.6	802.7	1236.7
62.5°	1144.6	841.2	825.8	725.9	1121.5
65°	1029.4	748.9	745.2	660.7	952.5
67.5°	917.9	687.5	683.6	599.1	725.9
70°	798.9	622.2	614.5	533.9	537.7
72.5°	676.0	549.2	541.6	480.1	445.5
75°	553.1	464.7	460.9	418.6	361.0
77.5°	434.0	368.7	376.4	338.0	265.0
80°	311.1	268.9	276.6	242.0	199.7
82.5°	207.4	176.6	184.4	153.6	134.4
85°	115.2	99.9	103.7	80.6	61.4
87.5°	53.8	46.1	46.1	30.7	19.2
90°	79.7	50.8	47.2	32.7	18.1
92.5°	492.0	349.9	319.1	195.7	72.5
95°	1210.6	681.7	625.3	399.6	174.0
97.5°	1630.6	748.8	699.0	500.0	301.0
100°	1783.5	805.0	759.9	579.4	398.8
102.5°	1853.6	861.2	819.1	650.7	482.3
105°	1905.6	944.7	909.0	766.4	623.7
107.5°	1915.2	1067.9	1034.7	901.8	768.8
110°	1900.8	1136.8	1106.8	986.7	866.7



TEST NUMBER: P936079

CATALOG NUMBER: SQ4-FA-150U-100D-B2750-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1901.4	1220.3	1191.7	1077.2	962.8
115°	1918.9	1345.4	1319.0	1213.4	1107.9
117.5°	1954.5	1466.8	1442.8	1346.9	1251.1
120°	1983.5	1537.5	1514.9	1424.7	1334.4
122.5°	2025.3	1620.9	1598.2	1507.1	1416.0
125°	2081.5	1727.9	1707.2	1624.1	1541.2
127.5°	2137.6	1831.2	1810.3	1726.5	1642.6
130°	2178.7	1900.1	1877.5	1787.3	1697.1
132.5°	2211.9	1956.3	1933.7	1843.5	1753.3
135°	2248.3	2021.6	2001.1	1918.8	1836.6
137.5°	2302.6	2105.1	2084.7	2003.3	1921.9
140°	2335.9	2161.3	2142.6	2067.6	1992.7
142.5°	2363.7	2202.9	2185.6	2116.3	2047.0
145°	2399.9	2266.4	2251.3	2190.9	2130.4
147.5°	2453.1	2346.1	2331.4	2272.6	2213.8
150°	2480.9	2387.9	2374.6	2321.4	2268.2
152.5°	2499.1	2415.0	2405.0	2364.7	2324.4
155°	2539.0	2474.9	2467.5	2437.7	2407.9
157.5°	2578.8	2534.7	2527.4	2498.5	2469.5
160°	2597.0	2561.9	2556.3	2533.7	2511.2
162.5°	2616.3	2590.9	2586.6	2569.8	2552.8
165°	2644.1	2632.7	2628.8	2613.5	2598.2
167.5°	2665.9	2656.2	2654.4	2647.2	2639.9
170°	2684.0	2683.5	2681.6	2674.3	2667.1
172.5°	2685.2	2685.2	2684.8	2683.2	2681.6
175°	2696.1	2701.6	2701.6	2701.6	2701.6
177.5°	2697.3	2701.6	2701.6	2701.6	2701.6
180°	2701.6	2701.6	2701.6	2701.6	2701.6



TEST NUMBER: P936079
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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	12.33	13.09	13.39	14.15	15.59	15.18	15.94	16.24	17.00	18.44
	3H	12.80	13.48	13.87	14.55	16.01	16.53	17.21	17.59	18.28	19.73
	4H	12.99	13.63	14.06	14.70	16.17	16.97	17.62	18.05	18.69	20.15
	6H	13.10	13.69	14.19	14.77	16.24	17.26	17.85	18.34	18.92	20.40
	8H	13.10	13.66	14.19	14.75	16.22	17.33	17.89	18.42	18.98	20.45
	12H	13.06	13.60	14.16	14.69	16.18	17.37	17.90	18.46	18.99	20.48
4H	2H	13.36	14.00	14.44	15.07	16.53	15.58	16.22	16.66	17.29	18.76
	3H	14.37	14.91	15.47	16.01	17.49	17.08	17.62	18.17	18.72	20.19
	4H	14.65	15.14	15.74	16.23	17.72	17.61	18.10	18.71	19.19	20.69
	6H	14.76	15.19	15.87	16.30	17.79	17.97	18.40	19.08	19.51	21.00
	8H	14.77	15.16	15.87	16.27	17.77	18.08	18.48	19.19	19.58	21.09
	12H	14.73	15.09	15.85	16.20	17.72	18.14	18.49	19.26	19.61	21.12
8H	4H	15.09	15.49	16.20	16.59	18.10	17.72	18.12	18.83	19.22	20.73
	6H	15.35	15.68	16.48	16.82	18.33	18.16	18.49	19.29	19.63	21.14
	8H	15.39	15.68	16.53	16.80	18.33	18.32	18.60	19.45	19.73	21.25
	12H	15.37	15.62	16.51	16.75	18.31	18.41	18.67	19.55	19.79	21.35
12H	4H	15.10	15.45	16.22	16.57	18.08	17.68	18.04	18.81	19.16	20.67
	6H	15.41	15.70	16.55	16.82	18.35	18.16	18.44	19.29	19.57	21.09
	8H	15.47	15.72	16.61	16.85	18.41	18.32	18.57	19.46	19.69	21.25