

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: P935680

Luminaire Tested: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935680
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-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: -

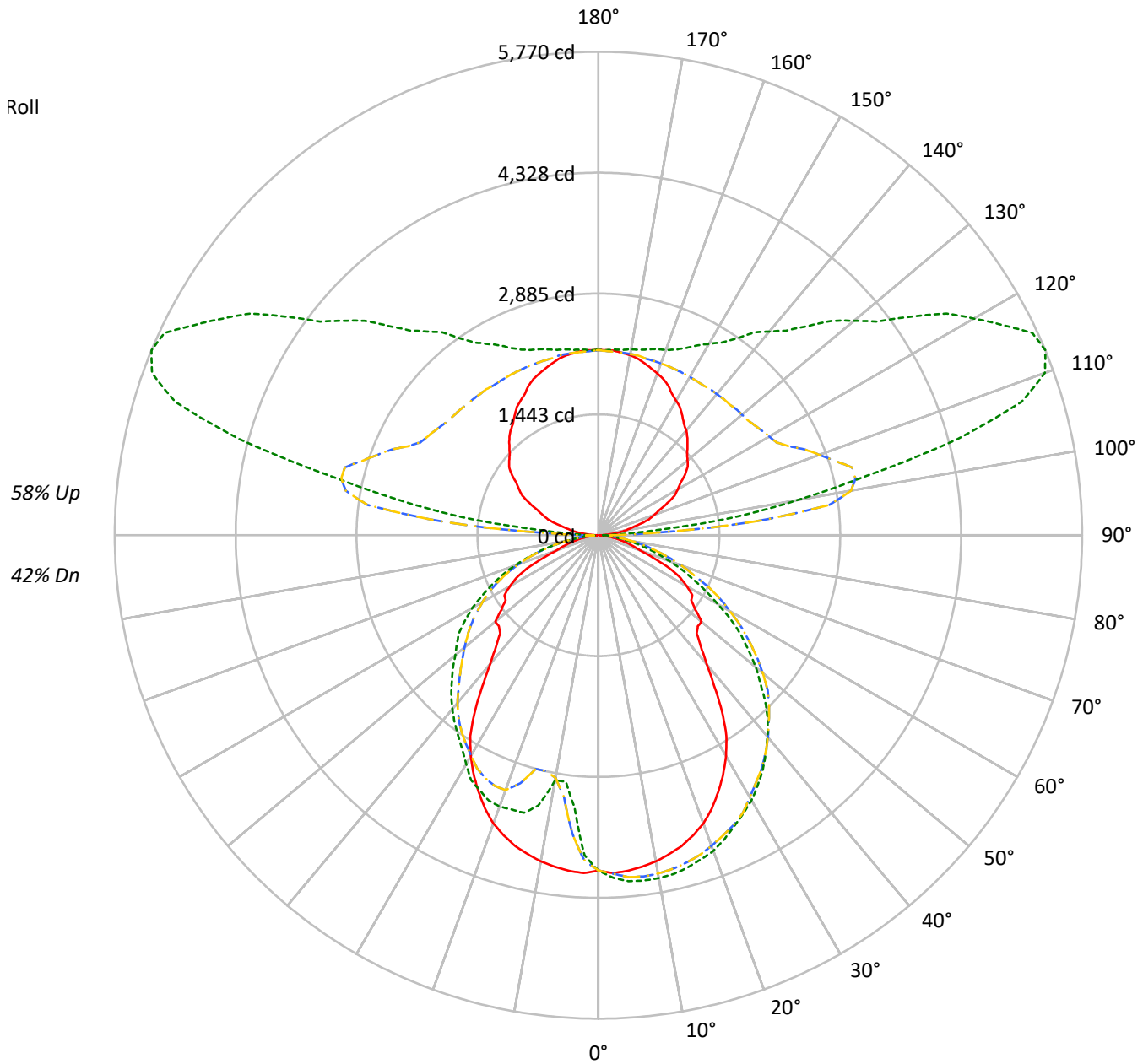
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24710.6 lumens
Efficiency: N/A
Efficacy: 127.9 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): 193.2
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

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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

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	1.5
10°-20°	1025.5	4.1
20°-30°	1585.2	6.4
30°-40°	1892.4	7.7
40°-50°	1903.5	7.7
50°-60°	1656.2	6.7
60°-70°	1174.3	4.8
70°-80°	621.3	2.5
80°-90°	163.2	0.7
90°-100°	1077.4	4.4
100°-110°	2832.5	11.5
110°-120°	2937.0	11.9
120°-130°	2355.8	9.5
130°-140°	1848.5	7.5
140°-150°	1418.8	5.7
150°-160°	1021.8	4.1
160°-170°	625.2	2.5
170°-180°	211.2	0.9
0°-30°	2971.8	12.0
0°-40°	4864.2	19.7
0°-60°	8423.9	34.1
0°-90°	10382.6	42.0
90°-120°	6846.8	27.7
90°-150°	12469.9	50.5
90°-180°	14328.0	58.0
0°-180°	24710.6	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°	15	56	15	56	15	15
95°	142	651	142	651	142	158
105°	510	4435	510	4435	510	541
115°	906	5711	906	5711	906	895
125°	1261	4548	1261	4548	1261	1119
135°	1503	3529	1503	3529	1503	1163
145°	1743	2863	1743	2863	1743	1092
155°	1970	2465	1970	2465	1970	905
165°	2126	2296	2126	2296	2126	600
175°	2210	2225	2210	2225	2210	210
180°	2210	2210	2210	2210	2210	



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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°	14.8	26.6	38.6	41.5	65.2	96.8	112.7	100.2	75.2	56.3	56.3
92.5°	59.3	160.2	261.1	286.3	402.5	557.4	634.9	556.4	399.5	281.8	270.6
95°	142.4	327.0	511.6	557.7	990.3	1567.3	1855.7	1655.9	1256.4	956.8	922.8
97.5°	246.2	409.0	571.9	612.6	1334.0	2295.9	2776.9	2650.6	2398.1	2208.7	2144.1
100°	326.3	474.1	621.7	658.7	1459.1	2526.5	3060.2	3069.5	3087.9	3101.7	3024.8
102.5°	394.6	532.4	670.1	704.6	1516.5	2599.0	3140.3	3301.1	3622.9	3864.2	3798.3
105°	510.3	627.0	743.7	772.9	1559.0	2607.2	3131.3	3492.0	4213.3	4754.2	4718.8
107.5°	629.0	737.7	846.5	873.7	1567.0	2491.3	2953.4	3456.4	4462.4	5217.0	5225.6
110°	709.1	807.3	905.5	930.1	1555.0	2388.4	2805.0	3367.4	4492.1	5335.7	5372.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	787.7	881.3	974.9	998.3	1555.5	2298.6	2670.1	3245.7	4396.7	5260.0	5316.8
115°	906.3	992.6	1079.1	1100.6	1569.9	2195.5	2508.4	3062.9	4171.7	5003.4	5082.0
117.5°	1023.6	1102.0	1180.5	1200.1	1599.1	2131.1	2397.1	2897.6	3898.3	4648.8	4736.0
120°	1091.8	1165.6	1239.5	1257.9	1622.8	2109.4	2352.6	2809.9	3724.3	4410.1	4494.8
122.5°	1158.5	1233.0	1307.5	1326.1	1656.9	2098.0	2318.5	2730.2	3553.7	4171.2	4254.8
125°	1260.9	1328.8	1396.7	1413.7	1703.0	2088.6	2281.4	2631.1	3330.7	3855.2	3932.2
127.5°	1344.0	1412.5	1481.1	1498.2	1748.9	2083.1	2250.3	2550.5	3151.1	3601.6	3666.5
130°	1388.5	1462.3	1536.1	1554.5	1782.5	2086.5	2238.4	2505.7	3040.4	3441.4	3501.4
132.5°	1434.4	1508.2	1582.1	1600.6	1809.7	2088.6	2228.0	2467.3	2946.0	3305.0	3358.7
135°	1502.7	1569.9	1637.2	1654.0	1839.4	2086.7	2210.3	2410.7	2811.5	3112.2	3158.5
137.5°	1572.4	1639.0	1705.5	1722.2	1883.8	2099.5	2207.3	2376.7	2715.5	2969.7	3007.6
140°	1630.2	1691.5	1752.8	1768.2	1911.1	2101.6	2196.9	2343.2	2635.9	2855.4	2890.9
142.5°	1674.7	1731.4	1788.1	1802.3	1933.8	2109.2	2196.9	2325.4	2582.6	2775.4	2805.9
145°	1743.0	1792.4	1841.9	1854.2	1963.5	2109.2	2182.1	2287.2	2497.5	2655.2	2678.3
147.5°	1811.2	1859.3	1907.4	1919.5	2007.0	2123.7	2182.1	2264.8	2430.3	2554.3	2573.4
150°	1855.7	1899.2	1942.8	1953.6	2029.8	2131.3	2182.1	2252.0	2391.7	2496.5	2511.9
152.5°	1901.7	1934.6	1967.7	1975.9	2044.7	2136.2	2182.1	2241.8	2361.0	2450.5	2462.3
155°	1969.9	1994.3	2018.7	2024.8	2077.2	2147.1	2182.1	2229.5	2324.5	2395.6	2403.4
157.5°	2020.4	2044.1	2067.9	2073.8	2109.9	2158.0	2182.1	2218.9	2292.8	2348.2	2353.6
160°	2054.5	2072.9	2091.4	2096.0	2124.7	2163.0	2182.1	2213.7	2277.0	2324.5	2327.6
162.5°	2088.6	2102.4	2116.3	2119.7	2140.5	2168.2	2182.1	2208.8	2262.2	2302.2	2305.2
165°	2125.6	2138.1	2150.7	2153.8	2163.3	2175.8	2182.1	2201.2	2239.4	2268.0	2271.2
167.5°	2159.8	2165.7	2171.7	2173.1	2181.0	2191.6	2196.9	2209.4	2234.4	2253.2	2254.6
170°	2182.1	2188.0	2193.9	2195.4	2195.8	2196.5	2196.9	2209.4	2234.4	2253.2	2253.2
172.5°	2193.9	2195.3	2196.6	2196.9	2196.9	2196.9	2196.9	2206.8	2226.6	2241.4	2240.2
175°	2210.3	2210.3	2210.3	2210.3	2205.8	2199.8	2196.9	2203.2	2215.7	2225.1	2225.1
177.5°	2210.3	2210.3	2210.3	2210.3	2206.8	2202.1	2199.8	2204.8	2214.6	2222.1	2220.8
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



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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°	56.3	56.3	56.3	56.3	56.3	75.2	100.2	112.7	96.8	65.2	41.5
92.5°	225.8	181.0	225.8	270.6	281.8	399.5	556.4	634.9	557.4	402.5	286.3
95°	787.0	651.2	787.0	922.8	956.8	1256.4	1655.9	1855.7	1567.3	990.3	557.7
97.5°	1885.6	1627.2	1885.6	2144.1	2208.7	2398.1	2650.6	2776.9	2295.9	1334.0	612.6
100°	2716.9	2409.0	2716.9	3024.8	3101.7	3087.9	3069.5	3060.2	2526.5	1459.1	658.7
102.5°	3534.6	3270.9	3534.6	3798.3	3864.2	3622.9	3301.1	3140.3	2599.0	1516.5	704.6
105°	4577.0	4435.3	4577.0	4718.8	4754.2	4213.3	3492.0	3131.3	2607.2	1559.0	772.9
107.5°	5259.9	5294.1	5259.9	5225.6	5217.0	4462.4	3456.4	2953.4	2491.3	1567.0	873.7
110°	5520.3	5667.9	5520.3	5372.6	5335.7	4492.1	3367.4	2805.0	2388.4	1555.0	930.1



TEST NUMBER: P935680

CATALOG NUMBER: SQ4-FA-125U-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°	5543.5	5770.3	5543.5	5316.8	5260.0	4396.7	3245.7	2670.1	2298.6	1555.5	998.3
115°	5396.5	5711.0	5396.5	5082.0	5003.4	4171.7	3062.9	2508.4	2195.5	1569.9	1100.6
117.5°	5084.8	5433.6	5084.8	4736.0	4648.8	3898.3	2897.6	2397.1	2131.1	1599.1	1200.1
120°	4833.6	5172.5	4833.6	4494.8	4410.1	3724.3	2809.9	2352.6	2109.4	1622.8	1257.9
122.5°	4589.1	4923.3	4589.1	4254.8	4171.2	3553.7	2730.2	2318.5	2098.0	1656.9	1326.1
125°	4240.1	4548.0	4240.1	3932.2	3855.2	3330.7	2631.1	2281.4	2088.6	1703.0	1413.7
127.5°	3926.3	4186.1	3926.3	3666.5	3601.6	3151.1	2550.5	2250.3	2083.1	1748.9	1498.2
130°	3741.4	3981.4	3741.4	3501.4	3441.4	3040.4	2505.7	2238.4	2086.5	1782.5	1554.5
132.5°	3573.6	3788.5	3573.6	3358.7	3305.0	2946.0	2467.3	2228.0	2088.6	1809.7	1600.6
135°	3343.6	3528.9	3343.6	3158.5	3112.2	2811.5	2410.7	2210.3	2086.7	1839.4	1654.0
137.5°	3159.2	3310.9	3159.2	3007.6	2969.7	2715.5	2376.7	2207.3	2099.5	1883.8	1722.2
140°	3032.7	3174.4	3032.7	2890.9	2855.4	2635.9	2343.2	2196.9	2101.6	1911.1	1768.2
142.5°	2927.8	3049.8	2927.8	2805.9	2775.4	2582.6	2325.4	2196.9	2109.2	1933.8	1802.3
145°	2770.6	2862.9	2770.6	2678.3	2655.2	2497.5	2287.2	2182.1	2109.2	1963.5	1854.2
147.5°	2649.9	2726.4	2649.9	2573.4	2554.3	2430.3	2264.8	2182.1	2123.7	2007.0	1919.5
150°	2574.0	2636.0	2574.0	2511.9	2496.5	2391.7	2252.0	2182.1	2131.3	2029.8	1953.6
152.5°	2509.1	2555.9	2509.1	2462.3	2450.5	2361.0	2241.8	2182.1	2136.2	2044.7	1975.9
155°	2434.4	2465.3	2434.4	2403.4	2395.6	2324.5	2229.5	2182.1	2147.1	2077.2	2024.8
157.5°	2375.4	2397.1	2375.4	2353.6	2348.2	2292.8	2218.9	2182.1	2158.0	2109.9	2073.8
160°	2340.1	2352.6	2340.1	2327.6	2324.5	2277.0	2213.7	2182.1	2163.0	2124.7	2096.0
162.5°	2317.0	2328.9	2317.0	2305.2	2302.2	2262.2	2208.8	2182.1	2168.2	2140.5	2119.7
165°	2283.7	2296.3	2283.7	2271.2	2268.0	2239.4	2201.2	2182.1	2175.8	2163.3	2153.8
167.5°	2259.8	2265.1	2259.8	2254.6	2253.2	2234.4	2209.4	2196.9	2191.6	2181.0	2173.1
170°	2253.2	2253.2	2253.2	2253.2	2253.2	2234.4	2209.4	2196.9	2196.5	2195.8	2195.4
172.5°	2235.6	2231.0	2235.6	2240.2	2241.4	2226.6	2206.8	2196.9	2196.9	2196.9	2196.9
175°	2225.1	2225.1	2225.1	2225.1	2225.1	2215.7	2203.2	2196.9	2199.8	2205.8	2210.3
177.5°	2215.5	2210.3	2215.5	2220.8	2222.1	2214.6	2204.8	2199.8	2202.1	2206.8	2210.3
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



TEST NUMBER: P935680
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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°	38.6	26.6	14.8	26.6	38.6	41.5	65.2	96.8	112.7	100.2	75.2
92.5°	261.1	160.2	59.3	160.2	261.1	286.3	402.5	557.4	634.9	556.4	399.5
95°	511.6	327.0	142.4	327.0	511.6	557.7	990.3	1567.3	1855.7	1655.9	1256.4
97.5°	571.9	409.0	246.2	409.0	571.9	612.6	1334.0	2295.9	2776.9	2650.6	2398.1
100°	621.7	474.1	326.3	474.1	621.7	658.7	1459.1	2526.5	3060.2	3069.5	3087.9
102.5°	670.1	532.4	394.6	532.4	670.1	704.6	1516.5	2599.0	3140.3	3301.1	3622.9
105°	743.7	627.0	510.3	627.0	743.7	772.9	1559.0	2607.2	3131.3	3492.0	4213.3
107.5°	846.5	737.7	629.0	737.7	846.5	873.7	1567.0	2491.3	2953.4	3456.4	4462.4
110°	905.5	807.3	709.1	807.3	905.5	930.1	1555.0	2388.4	2805.0	3367.4	4492.1



TEST NUMBER: P935680

CATALOG NUMBER: SQ4-FA-125U-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°	974.9	881.3	787.7	881.3	974.9	998.3	1555.5	2298.6	2670.1	3245.7	4396.7
115°	1079.1	992.6	906.3	992.6	1079.1	1100.6	1569.9	2195.5	2508.4	3062.9	4171.7
117.5°	1180.5	1102.0	1023.6	1102.0	1180.5	1200.1	1599.1	2131.1	2397.1	2897.6	3898.3
120°	1239.5	1165.6	1091.8	1165.6	1239.5	1257.9	1622.8	2109.4	2352.6	2809.9	3724.3
122.5°	1307.5	1233.0	1158.5	1233.0	1307.5	1326.1	1656.9	2098.0	2318.5	2730.2	3553.7
125°	1396.7	1328.8	1260.9	1328.8	1396.7	1413.7	1703.0	2088.6	2281.4	2631.1	3330.7
127.5°	1481.1	1412.5	1344.0	1412.5	1481.1	1498.2	1748.9	2083.1	2250.3	2550.5	3151.1
130°	1536.1	1462.3	1388.5	1462.3	1536.1	1554.5	1782.5	2086.5	2238.4	2505.7	3040.4
132.5°	1582.1	1508.2	1434.4	1508.2	1582.1	1600.6	1809.7	2088.6	2228.0	2467.3	2946.0
135°	1637.2	1569.9	1502.7	1569.9	1637.2	1654.0	1839.4	2086.7	2210.3	2410.7	2811.5
137.5°	1705.5	1639.0	1572.4	1639.0	1705.5	1722.2	1883.8	2099.5	2207.3	2376.7	2715.5
140°	1752.8	1691.5	1630.2	1691.5	1752.8	1768.2	1911.1	2101.6	2196.9	2343.2	2635.9
142.5°	1788.1	1731.4	1674.7	1731.4	1788.1	1802.3	1933.8	2109.2	2196.9	2325.4	2582.6
145°	1841.9	1792.4	1743.0	1792.4	1841.9	1854.2	1963.5	2109.2	2182.1	2287.2	2497.5
147.5°	1907.4	1859.3	1811.2	1859.3	1907.4	1919.5	2007.0	2123.7	2182.1	2264.8	2430.3
150°	1942.8	1899.2	1855.7	1899.2	1942.8	1953.6	2029.8	2131.3	2182.1	2252.0	2391.7
152.5°	1967.7	1934.6	1901.7	1934.6	1967.7	1975.9	2044.7	2136.2	2182.1	2241.8	2361.0
155°	2018.7	1994.3	1969.9	1994.3	2018.7	2024.8	2077.2	2147.1	2182.1	2229.5	2324.5
157.5°	2067.9	2044.1	2020.4	2044.1	2067.9	2073.8	2109.9	2158.0	2182.1	2218.9	2292.8
160°	2091.4	2072.9	2054.5	2072.9	2091.4	2096.0	2124.7	2163.0	2182.1	2213.7	2277.0
162.5°	2116.3	2102.4	2088.6	2102.4	2116.3	2119.7	2140.5	2168.2	2182.1	2208.8	2262.2
165°	2150.7	2138.1	2125.6	2138.1	2150.7	2153.8	2163.3	2175.8	2182.1	2201.2	2239.4
167.5°	2171.7	2165.7	2159.8	2165.7	2171.7	2173.1	2181.0	2191.6	2196.9	2209.4	2234.4
170°	2193.9	2188.0	2182.1	2188.0	2193.9	2195.4	2195.8	2196.5	2196.9	2209.4	2234.4
172.5°	2196.6	2195.3	2193.9	2195.3	2196.6	2196.9	2196.9	2196.9	2196.9	2206.8	2226.6
175°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2205.8	2199.8	2196.9	2203.2	2215.7
177.5°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2206.8	2202.1	2199.8	2204.8	2214.6
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



TEST NUMBER: P935680
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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°	56.3	56.3	56.3	56.3	56.3	56.3	56.3	75.2	100.2	112.7	96.8
92.5°	281.8	270.6	225.8	181.0	225.8	270.6	281.8	399.5	556.4	634.9	557.4
95°	956.8	922.8	787.0	651.2	787.0	922.8	956.8	1256.4	1655.9	1855.7	1567.3
97.5°	2208.7	2144.1	1885.6	1627.2	1885.6	2144.1	2208.7	2398.1	2650.6	2776.9	2295.9
100°	3101.7	3024.8	2716.9	2409.0	2716.9	3024.8	3101.7	3087.9	3069.5	3060.2	2526.5
102.5°	3864.2	3798.3	3534.6	3270.9	3534.6	3798.3	3864.2	3622.9	3301.1	3140.3	2599.0
105°	4754.2	4718.8	4577.0	4435.3	4577.0	4718.8	4754.2	4213.3	3492.0	3131.3	2607.2
107.5°	5217.0	5225.6	5259.9	5294.1	5259.9	5225.6	5217.0	4462.4	3456.4	2953.4	2491.3
110°	5335.7	5372.6	5520.3	5667.9	5520.3	5372.6	5335.7	4492.1	3367.4	2805.0	2388.4



TEST NUMBER: P935680

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5260.0	5316.8	5543.5	5770.3	5543.5	5316.8	5260.0	4396.7	3245.7	2670.1	2298.6
115°	5003.4	5082.0	5396.5	5711.0	5396.5	5082.0	5003.4	4171.7	3062.9	2508.4	2195.5
117.5°	4648.8	4736.0	5084.8	5433.6	5084.8	4736.0	4648.8	3898.3	2897.6	2397.1	2131.1
120°	4410.1	4494.8	4833.6	5172.5	4833.6	4494.8	4410.1	3724.3	2809.9	2352.6	2109.4
122.5°	4171.2	4254.8	4589.1	4923.3	4589.1	4254.8	4171.2	3553.7	2730.2	2318.5	2098.0
125°	3855.2	3932.2	4240.1	4548.0	4240.1	3932.2	3855.2	3330.7	2631.1	2281.4	2088.6
127.5°	3601.6	3666.5	3926.3	4186.1	3926.3	3666.5	3601.6	3151.1	2550.5	2250.3	2083.1
130°	3441.4	3501.4	3741.4	3981.4	3741.4	3501.4	3441.4	3040.4	2505.7	2238.4	2086.5
132.5°	3305.0	3358.7	3573.6	3788.5	3573.6	3358.7	3305.0	2946.0	2467.3	2228.0	2088.6
135°	3112.2	3158.5	3343.6	3528.9	3343.6	3158.5	3112.2	2811.5	2410.7	2210.3	2086.7
137.5°	2969.7	3007.6	3159.2	3310.9	3159.2	3007.6	2969.7	2715.5	2376.7	2207.3	2099.5
140°	2855.4	2890.9	3032.7	3174.4	3032.7	2890.9	2855.4	2635.9	2343.2	2196.9	2101.6
142.5°	2775.4	2805.9	2927.8	3049.8	2927.8	2805.9	2775.4	2582.6	2325.4	2196.9	2109.2
145°	2655.2	2678.3	2770.6	2862.9	2770.6	2678.3	2655.2	2497.5	2287.2	2182.1	2109.2
147.5°	2554.3	2573.4	2649.9	2726.4	2649.9	2573.4	2554.3	2430.3	2264.8	2182.1	2123.7
150°	2496.5	2511.9	2574.0	2636.0	2574.0	2511.9	2496.5	2391.7	2252.0	2182.1	2131.3
152.5°	2450.5	2462.3	2509.1	2555.9	2509.1	2462.3	2450.5	2361.0	2241.8	2182.1	2136.2
155°	2395.6	2403.4	2434.4	2465.3	2434.4	2403.4	2395.6	2324.5	2229.5	2182.1	2147.1
157.5°	2348.2	2353.6	2375.4	2397.1	2375.4	2353.6	2348.2	2292.8	2218.9	2182.1	2158.0
160°	2324.5	2327.6	2340.1	2352.6	2340.1	2327.6	2324.5	2277.0	2213.7	2182.1	2163.0
162.5°	2302.2	2305.2	2317.0	2328.9	2317.0	2305.2	2302.2	2262.2	2208.8	2182.1	2168.2
165°	2268.0	2271.2	2283.7	2296.3	2283.7	2271.2	2268.0	2239.4	2201.2	2182.1	2175.8
167.5°	2253.2	2254.6	2259.8	2265.1	2259.8	2254.6	2253.2	2234.4	2209.4	2196.9	2191.6
170°	2253.2	2253.2	2253.2	2253.2	2253.2	2253.2	2253.2	2234.4	2209.4	2196.9	2196.5
172.5°	2241.4	2240.2	2235.6	2231.0	2235.6	2240.2	2241.4	2226.6	2206.8	2196.9	2196.9
175°	2225.1	2225.1	2225.1	2225.1	2225.1	2225.1	2225.1	2215.7	2203.2	2196.9	2199.8
177.5°	2222.1	2220.8	2215.5	2210.3	2215.5	2220.8	2222.1	2214.6	2204.8	2199.8	2202.1
180°	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3	2210.3



TEST NUMBER: P935680

CATALOG NUMBER: SQ4-FA-125U-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°	65.2	41.5	38.6	26.6	14.8
92.5°	402.5	286.3	261.1	160.2	59.3
95°	990.3	557.7	511.6	327.0	142.4
97.5°	1334.0	612.6	571.9	409.0	246.2
100°	1459.1	658.7	621.7	474.1	326.3
102.5°	1516.5	704.6	670.1	532.4	394.6
105°	1559.0	772.9	743.7	627.0	510.3
107.5°	1567.0	873.7	846.5	737.7	629.0
110°	1555.0	930.1	905.5	807.3	709.1



TEST NUMBER: P935680

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1555.5	998.3	974.9	881.3	787.7
115°	1569.9	1100.6	1079.1	992.6	906.3
117.5°	1599.1	1200.1	1180.5	1102.0	1023.6
120°	1622.8	1257.9	1239.5	1165.6	1091.8
122.5°	1656.9	1326.1	1307.5	1233.0	1158.5
125°	1703.0	1413.7	1396.7	1328.8	1260.9
127.5°	1748.9	1498.2	1481.1	1412.5	1344.0
130°	1782.5	1554.5	1536.1	1462.3	1388.5
132.5°	1809.7	1600.6	1582.1	1508.2	1434.4
135°	1839.4	1654.0	1637.2	1569.9	1502.7
137.5°	1883.8	1722.2	1705.5	1639.0	1572.4
140°	1911.1	1768.2	1752.8	1691.5	1630.2
142.5°	1933.8	1802.3	1788.1	1731.4	1674.7
145°	1963.5	1854.2	1841.9	1792.4	1743.0
147.5°	2007.0	1919.5	1907.4	1859.3	1811.2
150°	2029.8	1953.6	1942.8	1899.2	1855.7
152.5°	2044.7	1975.9	1967.7	1934.6	1901.7
155°	2077.2	2024.8	2018.7	1994.3	1969.9
157.5°	2109.9	2073.8	2067.9	2044.1	2020.4
160°	2124.7	2096.0	2091.4	2072.9	2054.5
162.5°	2140.5	2119.7	2116.3	2102.4	2088.6
165°	2163.3	2153.8	2150.7	2138.1	2125.6
167.5°	2181.0	2173.1	2171.7	2165.7	2159.8
170°	2195.8	2195.4	2193.9	2188.0	2182.1
172.5°	2196.9	2196.9	2196.6	2195.3	2193.9
175°	2205.8	2210.3	2210.3	2210.3	2210.3
177.5°	2206.8	2210.3	2210.3	2210.3	2210.3
180°	2210.3	2210.3	2210.3	2210.3	2210.3



TEST NUMBER: P935680
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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	12.77	13.56	13.79	14.59	15.97	15.62	16.41	16.64	17.44	18.82
	3H	13.24	13.95	14.27	14.99	16.39	16.97	17.68	18.00	18.72	20.12
	4H	13.43	14.10	14.47	15.14	16.55	17.41	18.08	18.46	19.13	20.53
	6H	13.54	14.16	14.60	15.21	16.63	17.70	18.32	18.75	19.36	20.78
	8H	13.54	14.13	14.60	15.19	16.61	17.77	18.36	18.83	19.43	20.84
	12H	13.51	14.07	14.57	15.13	16.57	17.81	18.37	18.88	19.43	20.87
4H	2H	13.80	14.47	14.85	15.51	16.92	16.02	16.69	17.07	17.73	19.14
	3H	14.82	15.38	15.88	16.45	17.87	17.52	18.09	18.58	19.16	20.58
	4H	15.09	15.60	16.16	16.67	18.11	18.05	18.57	19.12	19.63	21.07
	6H	15.21	15.65	16.29	16.74	18.17	18.42	18.86	19.50	19.95	21.38
	8H	15.22	15.63	16.29	16.70	18.16	18.53	18.94	19.60	20.02	21.47
	12H	15.18	15.55	16.27	16.64	18.10	18.59	18.96	19.68	20.05	21.51
8H	4H	15.54	15.95	16.62	17.03	18.48	18.17	18.58	19.25	19.66	21.11
	6H	15.80	16.14	16.90	17.26	18.71	18.61	18.95	19.71	20.07	21.52
	8H	15.84	16.14	16.95	17.24	18.71	18.77	19.06	19.87	20.17	21.64
	12H	15.82	16.09	16.93	17.18	18.69	18.87	19.13	19.97	20.23	21.73
12H	4H	15.55	15.92	16.64	17.01	18.47	18.13	18.51	19.23	19.60	21.06
	6H	15.86	16.16	16.97	17.26	18.73	18.61	18.91	19.71	20.01	21.48
	8H	15.93	16.19	17.03	17.29	18.79	18.77	19.03	19.88	20.13	21.64