

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: P935630

Luminaire Tested: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

**Test Information**

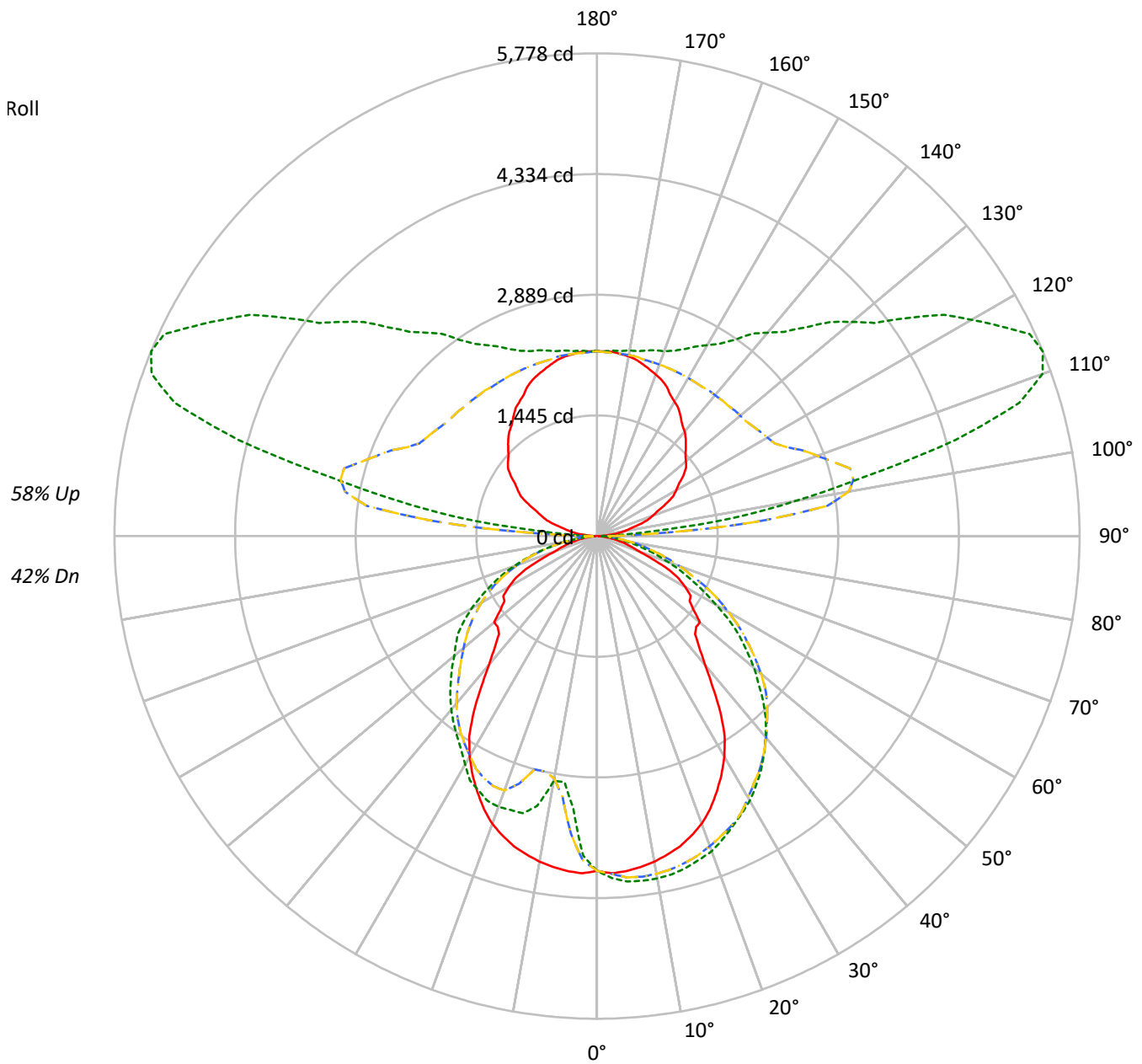
Test Method: LM-79-2019  
Report Number: P935630  
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24741.5 lumens  
Efficiency: N/A  
Efficacy: 128.1 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: 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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CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-6500K

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	12391	12391	12391	12391
5°	12488	12509	12488	9835
10°	12409	12321	12409	8809
15°	12279	12054	12279	10066
20°	12027	11738	12027	10087
25°	11506	11277	11506	9873
30°	10831	10894	10831	9404
35°	9661	10409	9661	8888
40°	8055	9840	8055	8498
45°	7201	9172	7201	8050
50°	7657	8376	7657	7601
55°	7210	7518	7210	7340
60°	7442	6385	7442	6723
65°	6758	5278	6758	5901
70°	4691	4206	4691	4946
75°	4130	3109	4130	3724
80°	3352	2056	3352	2238
85°	1964	1089	1964	926

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 11030 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.6	1.5
10°-20°	1026.7	4.1
20°-30°	1587.2	6.4
30°-40°	1894.7	7.7
40°-50°	1905.8	7.7
50°-60°	1658.3	6.7
60°-70°	1175.8	4.8
70°-80°	622.0	2.5
80°-90°	163.4	0.7
90°-100°	1078.7	4.4
100°-110°	2836.0	11.5
110°-120°	2940.6	11.9
120°-130°	2358.8	9.5
130°-140°	1850.8	7.5
140°-150°	1420.5	5.7
150°-160°	1023.0	4.1
160°-170°	626.0	2.5
170°-180°	211.5	0.9
0°-30°	2975.5	12.0
0°-40°	4870.3	19.7
0°-60°	8434.4	34.1
0°-90°	10395.6	42.0
90°-120°	6855.4	27.7
90°-150°	12485.5	50.5
90°-180°	14346.0	58.0
0°-180°	24741.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4006	4006	4006	4006	4006	
5°	4025	4150	4025	3263	4025	382
15°	3843	4112	3843	3434	3843	1081
25°	3384	3836	3384	3358	3384	1554
35°	2574	3422	2574	2922	2574	1592
45°	1660	2820	1660	2475	1660	1330
55°	1353	2081	1353	2031	1353	1243
65°	940	1254	940	1402	940	898
75°	356	595	356	713	356	375
85°	61	152	61	129	61	82
90°	15	56	15	56	15	15
95°	143	652	143	652	143	158
105°	511	4441	511	4441	511	542
115°	907	5718	907	5718	907	896
125°	1262	4554	1262	4554	1262	1121
135°	1505	3533	1505	3533	1505	1164
145°	1745	2866	1745	2866	1745	1093
155°	1972	2468	1972	2468	1972	906
165°	2128	2299	2128	2299	2128	601
175°	2213	2228	2213	2228	2213	210
180°	2213	2213	2213	2213	2213	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4040.2	4040.2	4063.0	4070.5	4070.5	4059.1	4047.8	4059.1	4093.3	4104.6	4100.8
5°	4025.1	4055.4	4097.1	4104.6	4112.2	4108.5	4100.8	4108.5	4146.3	4153.9	4157.7
7.5°	3994.7	4051.6	4104.6	4116.0	4127.4	4116.0	4112.2	4119.9	4157.7	4165.3	4165.3
10°	3956.8	4036.5	4097.1	4104.6	4116.0	4104.6	4104.6	4119.9	4157.7	4165.3	4169.1
12.5°	3903.8	4013.7	4070.5	4078.2	4093.3	4089.4	4085.7	4100.8	4138.8	4146.3	4146.3
15°	3843.1	3972.0	4025.1	4032.6	4059.1	4051.6	4051.6	4066.8	4108.5	4119.9	4116.0
17.5°	3759.8	3919.0	3979.6	3991.0	4009.9	4006.1	4009.9	4025.1	4063.0	4070.5	4074.3
20°	3665.0	3847.0	3919.0	3930.3	3949.3	3949.3	3949.3	3968.2	4006.1	4021.3	4021.3
22.5°	3536.1	3771.1	3847.0	3854.5	3877.3	3877.3	3884.8	3911.3	3945.4	3949.3	3949.3
25°	3384.5	3687.7	3752.2	3775.0	3797.6	3809.0	3820.4	3835.6	3847.0	3843.1	3847.0
27.5°	3225.3	3581.6	3665.0	3680.2	3710.5	3721.9	3737.0	3740.8	3744.5	3755.9	3748.4
30°	3047.2	3433.8	3558.9	3574.1	3623.3	3630.9	3615.7	3623.3	3642.2	3649.9	3657.4
32.5°	2846.3	3214.0	3449.0	3483.0	3528.5	3505.8	3502.1	3513.4	3543.7	3543.7	3551.3
35°	2573.5	3043.5	3346.7	3377.0	3411.0	3384.5	3399.6	3403.5	3422.4	3433.8	3430.1
37.5°	2274.0	2895.6	3240.5	3263.3	3289.8	3255.6	3278.4	3289.8	3305.0	3297.3	3297.3
40°	2008.8	2664.4	3115.5	3130.6	3153.3	3126.8	3149.5	3157.2	3164.7	3157.2	3153.3
42.5°	1811.7	2410.5	2982.7	3001.8	2986.6	3005.5	3013.1	3028.3	3016.9	3001.8	3001.8
45°	1660.0	2342.3	2838.7	2861.5	2838.7	2869.1	2880.4	2880.4	2846.3	2838.7	2835.0
47.5°	1610.8	2205.8	2694.7	2694.7	2683.4	2721.2	2740.3	2713.7	2679.5	2668.3	2668.3
50°	1607.0	2054.2	2497.7	2482.5	2535.5	2581.1	2562.1	2535.5	2509.1	2467.4	2467.4
52.5°	1459.2	1868.5	2243.7	2300.6	2384.0	2410.5	2380.2	2353.7	2308.2	2289.2	2274.0
55°	1353.0	1675.3	2012.5	2126.2	2213.4	2247.5	2190.6	2164.2	2095.9	2084.5	2076.9
57.5°	1330.4	1394.7	1800.3	1944.3	2050.5	2046.6	2012.5	1963.3	1906.4	1895.1	1891.3
60°	1220.4	1008.1	1572.8	1743.4	1853.4	1842.0	1811.7	1766.2	1713.1	1705.6	1697.9
62.5°	1106.7	731.5	1315.1	1508.5	1663.9	1660.0	1633.6	1565.3	1527.4	1508.5	1493.3
65°	939.9	614.0	936.1	1254.5	1478.1	1485.7	1428.8	1379.6	1337.9	1315.1	1311.3
67.5°	716.3	500.3	632.9	1046.1	1300.0	1292.4	1220.4	1197.6	1144.6	1133.2	1110.5
70°	530.6	333.5	439.7	849.0	1125.6	1106.7	1049.8	1023.3	974.1	947.5	932.4
72.5°	439.7	269.1	322.1	659.5	947.5	924.7	875.5	845.2	803.5	780.7	765.6
75°	356.3	284.3	246.3	488.9	769.4	754.2	708.7	678.4	644.3	614.0	617.8
77.5°	261.5	265.3	197.1	360.1	610.2	587.5	560.9	523.0	507.8	477.5	477.5
80°	197.1	208.5	147.8	246.3	439.7	439.7	416.9	390.4	363.8	348.7	348.7
82.5°	132.6	132.6	109.9	155.4	299.4	288.0	272.9	265.3	250.1	242.6	242.6
85°	60.6	75.8	68.2	94.8	162.9	170.6	170.6	162.9	159.2	151.6	155.4
87.5°	18.9	34.1	41.7	53.1	83.4	87.2	90.9	90.9	90.9	94.8	94.8
90°	14.8	26.7	38.6	41.6	65.3	97.0	112.8	100.3	75.3	56.4	56.4
92.5°	59.4	160.4	261.4	286.7	403.0	558.1	635.7	557.1	400.0	282.2	271.0
95°	142.6	327.4	512.2	558.4	991.6	1569.2	1858.0	1657.9	1258.0	958.0	924.0
97.5°	246.5	409.5	572.7	613.4	1335.7	2298.8	2780.3	2653.9	2401.1	2211.5	2146.7
100°	326.7	474.7	622.5	659.5	1461.0	2529.7	3064.0	3073.3	3091.8	3105.6	3028.6
102.5°	395.1	533.1	671.0	705.5	1518.4	2602.3	3144.2	3305.3	3627.4	3869.0	3803.1
105°	510.9	627.7	744.6	773.8	1561.0	2610.5	3135.3	3496.3	4218.5	4760.1	4724.6
107.5°	629.7	738.7	847.6	874.8	1568.9	2494.4	2957.1	3460.7	4468.0	5223.5	5232.1
110°	710.0	808.3	906.7	931.2	1557.0	2391.3	2808.5	3371.6	4497.7	5342.3	5379.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	788.7	882.4	976.1	999.5	1557.4	2301.5	2673.4	3249.7	4402.2	5266.6	5323.4
115°	907.4	993.9	1080.4	1102.0	1571.9	2198.3	2511.5	3066.7	4176.9	5009.7	5088.4
117.5°	1024.8	1103.4	1182.0	1201.6	1601.0	2133.7	2400.1	2901.2	3903.2	4654.7	4742.0
120°	1093.1	1167.0	1241.0	1259.5	1624.9	2112.0	2355.6	2813.4	3729.0	4415.6	4500.4
122.5°	1160.0	1234.5	1309.1	1327.8	1659.0	2100.7	2321.4	2733.7	3558.1	4176.5	4260.1
125°	1262.5	1330.4	1398.4	1415.5	1705.1	2091.2	2284.2	2634.4	3334.8	3860.1	3937.1
127.5°	1345.7	1414.3	1483.0	1500.1	1751.1	2085.7	2253.1	2553.7	3155.1	3606.1	3671.1
130°	1390.2	1464.1	1538.0	1556.5	1784.7	2089.1	2241.2	2508.9	3044.2	3445.7	3505.8
132.5°	1436.2	1510.1	1584.1	1602.6	1812.0	2091.2	2230.8	2470.4	2949.7	3309.1	3362.9
135°	1504.6	1571.9	1639.2	1656.0	1841.7	2089.3	2213.0	2413.7	2815.0	3116.0	3162.4
137.5°	1574.4	1641.0	1707.7	1724.3	1886.2	2102.1	2210.0	2379.7	2718.9	2973.4	3011.3
140°	1632.2	1693.6	1755.0	1770.4	1913.4	2104.2	2199.6	2346.1	2639.2	2859.0	2894.5
142.5°	1676.8	1733.6	1790.4	1804.5	1936.2	2111.8	2199.6	2328.3	2585.8	2778.9	2809.4
145°	1745.1	1794.7	1844.2	1856.5	1965.9	2111.8	2184.8	2290.1	2500.6	2658.5	2681.6
147.5°	1813.4	1861.6	1909.8	1921.9	2009.5	2126.4	2184.8	2267.6	2433.3	2557.5	2576.7
150°	1858.0	1901.6	1945.2	1956.1	2032.3	2133.9	2184.8	2254.8	2394.7	2499.6	2515.1
152.5°	1904.1	1937.1	1970.1	1978.4	2047.2	2138.9	2184.8	2244.6	2364.0	2453.6	2465.4
155°	1972.3	1996.8	2021.2	2027.3	2079.8	2149.8	2184.8	2232.3	2327.4	2398.6	2406.4
157.5°	2022.9	2046.6	2070.4	2076.4	2112.5	2160.7	2184.8	2221.7	2295.6	2351.1	2356.5
160°	2057.1	2075.5	2094.1	2098.7	2127.3	2165.7	2184.8	2216.5	2279.9	2327.4	2330.5
162.5°	2091.2	2105.1	2118.9	2122.4	2143.2	2170.9	2184.8	2211.6	2265.0	2305.1	2308.1
165°	2128.3	2140.8	2153.3	2156.5	2166.0	2178.5	2184.8	2203.9	2242.2	2270.9	2274.0
167.5°	2162.5	2168.5	2174.4	2175.8	2183.8	2194.4	2199.6	2212.2	2237.2	2256.0	2257.4
170°	2184.8	2190.7	2196.7	2198.1	2198.6	2199.2	2199.6	2212.2	2237.2	2256.0	2256.0
172.5°	2196.7	2198.0	2199.3	2199.6	2199.6	2199.6	2199.6	2209.6	2229.4	2244.2	2243.0
175°	2213.0	2213.0	2213.0	2213.0	2208.5	2202.6	2199.6	2205.9	2218.5	2227.8	2227.8
177.5°	2213.0	2213.0	2213.0	2213.0	2209.6	2204.9	2202.6	2207.6	2217.4	2224.9	2223.5
180°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4108.5	4097.1	4108.5	4100.8	4104.6	4093.3	4059.1	4047.8	4059.1	4070.5	4070.5
5°	4157.7	4150.2	4157.7	4157.7	4153.9	4146.3	4108.5	4100.8	4108.5	4112.2	4104.6
7.5°	4172.8	4161.5	4172.8	4165.3	4165.3	4157.7	4119.9	4112.2	4116.0	4127.4	4116.0
10°	4172.8	4161.5	4172.8	4169.1	4165.3	4157.7	4119.9	4104.6	4104.6	4116.0	4104.6
12.5°	4153.9	4146.3	4153.9	4146.3	4146.3	4138.8	4100.8	4085.7	4089.4	4093.3	4078.2
15°	4123.6	4112.2	4123.6	4116.0	4119.9	4108.5	4066.8	4051.6	4051.6	4059.1	4032.6
17.5°	4078.2	4063.0	4078.2	4074.3	4070.5	4063.0	4025.1	4009.9	4006.1	4009.9	3991.0
20°	4025.1	4013.7	4025.1	4021.3	4021.3	4006.1	3968.2	3949.3	3949.3	3949.3	3930.3
22.5°	3941.7	3930.3	3941.7	3949.3	3949.3	3945.4	3911.3	3884.8	3877.3	3877.3	3854.5
25°	3847.0	3835.6	3847.0	3847.0	3843.1	3847.0	3835.6	3820.4	3809.0	3797.6	3775.0
27.5°	3755.9	3748.4	3755.9	3748.4	3755.9	3744.5	3740.8	3737.0	3721.9	3710.5	3680.2
30°	3665.0	3657.4	3665.0	3657.4	3649.9	3642.2	3623.3	3615.7	3630.9	3623.3	3574.1
32.5°	3551.3	3543.7	3551.3	3551.3	3543.7	3543.7	3513.4	3502.1	3505.8	3528.5	3483.0
35°	3433.8	3422.4	3433.8	3430.1	3433.8	3422.4	3403.5	3399.6	3384.5	3411.0	3377.0
37.5°	3297.3	3286.0	3297.3	3297.3	3297.3	3305.0	3289.8	3278.4	3255.6	3289.8	3263.3
40°	3157.2	3142.0	3157.2	3153.3	3157.2	3164.7	3157.2	3149.5	3126.8	3153.3	3130.6
42.5°	2998.0	2994.1	2998.0	3001.8	3001.8	3016.9	3028.3	3013.1	3005.5	2986.6	3001.8
45°	2827.4	2819.8	2827.4	2835.0	2838.7	2846.3	2880.4	2880.4	2869.1	2838.7	2861.5
47.5°	2645.5	2626.6	2645.5	2668.3	2668.3	2679.5	2713.7	2740.3	2721.2	2683.4	2694.7
50°	2452.2	2456.0	2452.2	2467.4	2467.4	2509.1	2535.5	2562.1	2581.1	2535.5	2482.5
52.5°	2262.6	2258.9	2262.6	2274.0	2289.2	2308.2	2353.7	2380.2	2410.5	2384.0	2300.6
55°	2073.1	2080.8	2073.1	2076.9	2084.5	2095.9	2164.2	2190.6	2247.5	2213.4	2126.2
57.5°	1883.7	1872.3	1883.7	1891.3	1895.1	1906.4	1963.3	2012.5	2046.6	2050.5	1944.3
60°	1663.9	1648.7	1663.9	1697.9	1705.6	1713.1	1766.2	1811.7	1842.0	1853.4	1743.4
62.5°	1470.5	1444.0	1470.5	1493.3	1508.5	1527.4	1565.3	1633.6	1660.0	1663.9	1508.5
65°	1265.9	1254.5	1265.9	1311.3	1315.1	1337.9	1379.6	1428.8	1485.7	1478.1	1254.5
67.5°	1080.2	1080.2	1080.2	1110.5	1133.2	1144.6	1197.6	1220.4	1292.4	1300.0	1046.1
70°	909.6	905.8	909.6	932.4	947.5	974.1	1023.3	1049.8	1106.7	1125.6	849.0
72.5°	746.7	742.9	746.7	765.6	780.7	803.5	845.2	875.5	924.7	947.5	659.5
75°	602.6	595.0	602.6	617.8	614.0	644.3	678.4	708.7	754.2	769.4	488.9
77.5°	462.4	462.4	462.4	477.5	477.5	507.8	523.0	560.9	587.5	610.2	360.1
80°	344.9	341.1	344.9	348.7	348.7	363.8	390.4	416.9	439.7	439.7	246.3
82.5°	242.6	234.9	242.6	242.6	242.6	250.1	265.3	272.9	288.0	299.4	155.4
85°	151.6	151.6	151.6	155.4	151.6	159.2	162.9	170.6	170.6	162.9	94.8
87.5°	98.6	94.8	98.6	94.8	94.8	90.9	90.9	90.9	87.2	83.4	53.1
90°	56.4	56.4	56.4	56.4	56.4	75.3	100.3	112.8	97.0	65.3	41.6
92.5°	226.0	181.2	226.0	271.0	282.2	400.0	557.1	635.7	558.1	403.0	286.7
95°	788.0	652.0	788.0	924.0	958.0	1258.0	1657.9	1858.0	1569.2	991.6	558.4
97.5°	1888.0	1629.3	1888.0	2146.7	2211.5	2401.1	2653.9	2780.3	2298.8	1335.7	613.4
100°	2720.3	2412.0	2720.3	3028.6	3105.6	3091.8	3073.3	3064.0	2529.7	1461.0	659.5
102.5°	3539.0	3275.0	3539.0	3803.1	3869.0	3627.4	3305.3	3144.2	2602.3	1518.4	705.5
105°	4582.7	4440.8	4582.7	4724.6	4760.1	4218.5	3496.3	3135.3	2610.5	1561.0	773.8
107.5°	5266.4	5300.8	5266.4	5232.1	5223.5	4468.0	3460.7	2957.1	2494.4	1568.9	874.8
110°	5527.2	5675.0	5527.2	5379.4	5342.3	4497.7	3371.6	2808.5	2391.3	1557.0	931.2





TEST NUMBER: P935630

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5550.4	5777.5	5550.4	5323.4	5266.6	4402.2	3249.7	2673.4	2301.5	1557.4	999.5
115°	5403.3	5718.1	5403.3	5088.4	5009.7	4176.9	3066.7	2511.5	2198.3	1571.9	1102.0
117.5°	5091.2	5440.4	5091.2	4742.0	4654.7	3903.2	2901.2	2400.1	2133.7	1601.0	1201.6
120°	4839.7	5178.9	4839.7	4500.4	4415.6	3729.0	2813.4	2355.6	2112.0	1624.9	1259.5
122.5°	4594.8	4929.5	4594.8	4260.1	4176.5	3558.1	2733.7	2321.4	2100.7	1659.0	1327.8
125°	4245.4	4553.7	4245.4	3937.1	3860.1	3334.8	2634.4	2284.2	2091.2	1705.1	1415.5
127.5°	3931.2	4191.3	3931.2	3671.1	3606.1	3155.1	2553.7	2253.1	2085.7	1751.1	1500.1
130°	3746.1	3986.4	3746.1	3505.8	3445.7	3044.2	2508.9	2241.2	2089.1	1784.7	1556.5
132.5°	3578.1	3793.2	3578.1	3362.9	3309.1	2949.7	2470.4	2230.8	2091.2	1812.0	1602.6
135°	3347.8	3533.3	3347.8	3162.4	3116.0	2815.0	2413.7	2213.0	2089.3	1841.7	1656.0
137.5°	3163.2	3315.0	3163.2	3011.3	2973.4	2718.9	2379.7	2210.0	2102.1	1886.2	1724.3
140°	3036.5	3178.4	3036.5	2894.5	2859.0	2639.2	2346.1	2199.6	2104.2	1913.4	1770.4
142.5°	2931.5	3053.6	2931.5	2809.4	2778.9	2585.8	2328.3	2199.6	2111.8	1936.2	1804.5
145°	2774.0	2866.5	2774.0	2681.6	2658.5	2500.6	2290.1	2184.8	2111.8	1965.9	1856.5
147.5°	2653.2	2729.8	2653.2	2576.7	2557.5	2433.3	2267.6	2184.8	2126.4	2009.5	1921.9
150°	2577.2	2639.3	2577.2	2515.1	2499.6	2394.7	2254.8	2184.8	2133.9	2032.3	1956.1
152.5°	2512.2	2559.1	2512.2	2465.4	2453.6	2364.0	2244.6	2184.8	2138.9	2047.2	1978.4
155°	2437.4	2468.4	2437.4	2406.4	2398.6	2327.4	2232.3	2184.8	2149.8	2079.8	2027.3
157.5°	2378.3	2400.1	2378.3	2356.5	2351.1	2295.6	2221.7	2184.8	2160.7	2112.5	2076.4
160°	2343.1	2355.6	2343.1	2330.5	2327.4	2279.9	2216.5	2184.8	2165.7	2127.3	2098.7
162.5°	2319.9	2331.8	2319.9	2308.1	2305.1	2265.0	2211.6	2184.8	2170.9	2143.2	2122.4
165°	2286.5	2299.2	2286.5	2274.0	2270.9	2242.2	2203.9	2184.8	2178.5	2166.0	2156.5
167.5°	2262.6	2267.9	2262.6	2257.4	2256.0	2237.2	2212.2	2199.6	2194.4	2183.8	2175.8
170°	2256.0	2256.0	2256.0	2256.0	2256.0	2237.2	2212.2	2199.6	2199.2	2198.6	2198.1
172.5°	2238.4	2233.8	2238.4	2243.0	2244.2	2229.4	2209.6	2199.6	2199.6	2199.6	2199.6
175°	2227.8	2227.8	2227.8	2227.8	2227.8	2218.5	2205.9	2199.6	2202.6	2208.5	2213.0
177.5°	2218.3	2213.0	2218.3	2223.5	2224.9	2217.4	2207.6	2202.6	2204.9	2209.6	2213.0
180°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0



TEST NUMBER: P935630

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	4063.0	4040.2	4040.2	4002.3	3987.1	3975.8	3956.8	3900.0	3884.8	3869.6	3892.4
5°	4097.1	4055.4	4025.1	3956.8	3900.0	3877.3	3805.3	3668.8	3577.8	3509.6	3471.7
7.5°	4104.6	4051.6	3994.7	3888.6	3752.2	3691.6	3471.7	3221.6	3153.3	3092.7	3054.7
10°	4097.1	4036.5	3956.8	3797.6	3475.5	3369.3	3149.5	2986.6	2944.9	2933.5	2944.9
12.5°	4070.5	4013.7	3903.8	3638.5	3187.5	3115.5	2986.6	2891.8	2884.3	2903.2	3005.5
15°	4025.1	3972.0	3843.1	3426.2	3028.3	2975.2	2884.3	2850.1	2891.8	3024.4	3331.5
17.5°	3979.6	3919.0	3759.8	3217.8	2907.0	2869.1	2804.6	2872.9	3107.8	3286.0	3388.4
20°	3919.0	3847.0	3665.0	3066.1	2819.8	2785.7	2755.4	3062.4	3240.5	3305.0	3361.8
22.5°	3847.0	3771.1	3536.1	2960.1	2728.9	2702.3	2721.2	3168.5	3240.5	3286.0	3335.3
25°	3752.2	3687.7	3384.5	2876.7	2656.9	2626.6	2698.6	3157.2	3198.8	3210.2	3308.7
27.5°	3665.0	3581.6	3225.3	2800.9	2569.7	2558.3	2717.5	3107.8	3138.2	3149.5	3255.6
30°	3558.9	3433.8	3047.2	2721.2	2478.7	2474.9	2721.2	3047.2	3039.6	3070.0	3176.1
32.5°	3449.0	3214.0	2846.3	2622.7	2391.5	2387.7	2694.7	2956.3	2948.7	2990.4	3070.0
35°	3346.7	3043.5	2573.5	2509.1	2281.7	2285.4	2630.3	2850.1	2853.9	2891.8	2941.1
37.5°	3240.5	2895.6	2274.0	2384.0	2175.5	2175.5	2543.1	2751.6	2744.0	2755.4	2823.6
40°	3115.5	2664.4	2008.8	2220.9	2076.9	2065.6	2437.0	2645.5	2618.9	2615.2	2709.9
42.5°	2982.7	2410.5	1811.7	2004.9	1963.3	1948.1	2308.2	2516.6	2467.4	2478.7	2600.0
45°	2838.7	2342.3	1660.0	1694.2	1845.7	1834.4	2167.9	2368.8	2334.6	2365.0	2490.1
47.5°	2694.7	2205.8	1610.8	1406.1	1720.7	1716.9	2012.5	2224.8	2205.8	2236.2	2368.8
50°	2497.7	2054.2	1607.0	1205.3	1580.5	1595.6	1826.8	2084.5	2084.5	2111.1	2251.3
52.5°	2243.7	1868.5	1459.2	1091.5	1417.5	1463.0	1663.9	1963.3	1970.8	1997.4	2122.5
55°	2012.5	1675.3	1353.0	1004.4	1224.2	1322.7	1504.7	1838.2	1853.4	1879.9	1993.6
57.5°	1800.3	1394.7	1330.4	902.1	1046.1	1140.8	1364.4	1716.9	1724.5	1747.3	1857.1
60°	1572.8	1008.1	1220.4	792.1	890.7	962.7	1235.6	1572.8	1599.4	1614.5	1709.3
62.5°	1315.1	731.5	1106.7	716.3	814.9	830.1	1129.5	1436.4	1470.5	1481.9	1538.8
65°	936.1	614.0	939.9	651.9	735.3	739.0	1015.8	1296.2	1326.5	1345.5	1387.1
67.5°	632.9	500.3	716.3	591.2	674.6	678.4	905.8	1133.2	1174.9	1190.1	1216.7
70°	439.7	333.5	530.6	526.9	606.4	614.0	788.4	985.5	1023.3	1034.7	1049.8
72.5°	322.1	269.1	439.7	473.8	534.4	542.0	667.0	818.7	856.6	867.9	875.5
75°	246.3	284.3	356.3	413.1	454.8	458.6	545.8	667.0	693.6	701.2	704.9
77.5°	197.1	265.3	261.5	333.5	371.4	363.8	428.3	515.5	538.1	538.1	538.1
80°	147.8	208.5	197.1	238.8	272.9	265.3	307.0	367.7	375.2	382.8	379.0
82.5°	109.9	132.6	132.6	151.6	182.0	174.3	204.6	238.8	238.8	238.8	246.3
85°	68.2	75.8	60.6	79.6	102.3	98.6	113.7	128.9	132.6	132.6	125.1
87.5°	41.7	34.1	18.9	30.3	45.5	45.5	53.1	56.9	53.1	53.1	53.1
90°	38.6	26.7	14.8	26.7	38.6	41.6	65.3	97.0	112.8	100.3	75.3
92.5°	261.4	160.4	59.4	160.4	261.4	286.7	403.0	558.1	635.7	557.1	400.0
95°	512.2	327.4	142.6	327.4	512.2	558.4	991.6	1569.2	1858.0	1657.9	1258.0
97.5°	572.7	409.5	246.5	409.5	572.7	613.4	1335.7	2298.8	2780.3	2653.9	2401.1
100°	622.5	474.7	326.7	474.7	622.5	659.5	1461.0	2529.7	3064.0	3073.3	3091.8
102.5°	671.0	533.1	395.1	533.1	671.0	705.5	1518.4	2602.3	3144.2	3305.3	3627.4
105°	744.6	627.7	510.9	627.7	744.6	773.8	1561.0	2610.5	3135.3	3496.3	4218.5
107.5°	847.6	738.7	629.7	738.7	847.6	874.8	1568.9	2494.4	2957.1	3460.7	4468.0
110°	906.7	808.3	710.0	808.3	906.7	931.2	1557.0	2391.3	2808.5	3371.6	4497.7



TEST NUMBER: P935630

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	976.1	882.4	788.7	882.4	976.1	999.5	1557.4	2301.5	2673.4	3249.7	4402.2
115°	1080.4	993.9	907.4	993.9	1080.4	1102.0	1571.9	2198.3	2511.5	3066.7	4176.9
117.5°	1182.0	1103.4	1024.8	1103.4	1182.0	1201.6	1601.0	2133.7	2400.1	2901.2	3903.2
120°	1241.0	1167.0	1093.1	1167.0	1241.0	1259.5	1624.9	2112.0	2355.6	2813.4	3729.0
122.5°	1309.1	1234.5	1160.0	1234.5	1309.1	1327.8	1659.0	2100.7	2321.4	2733.7	3558.1
125°	1398.4	1330.4	1262.5	1330.4	1398.4	1415.5	1705.1	2091.2	2284.2	2634.4	3334.8
127.5°	1483.0	1414.3	1345.7	1414.3	1483.0	1500.1	1751.1	2085.7	2253.1	2553.7	3155.1
130°	1538.0	1464.1	1390.2	1464.1	1538.0	1556.5	1784.7	2089.1	2241.2	2508.9	3044.2
132.5°	1584.1	1510.1	1436.2	1510.1	1584.1	1602.6	1812.0	2091.2	2230.8	2470.4	2949.7
135°	1639.2	1571.9	1504.6	1571.9	1639.2	1656.0	1841.7	2089.3	2213.0	2413.7	2815.0
137.5°	1707.7	1641.0	1574.4	1641.0	1707.7	1724.3	1886.2	2102.1	2210.0	2379.7	2718.9
140°	1755.0	1693.6	1632.2	1693.6	1755.0	1770.4	1913.4	2104.2	2199.6	2346.1	2639.2
142.5°	1790.4	1733.6	1676.8	1733.6	1790.4	1804.5	1936.2	2111.8	2199.6	2328.3	2585.8
145°	1844.2	1794.7	1745.1	1794.7	1844.2	1856.5	1965.9	2111.8	2184.8	2290.1	2500.6
147.5°	1909.8	1861.6	1813.4	1861.6	1909.8	1921.9	2009.5	2126.4	2184.8	2267.6	2433.3
150°	1945.2	1901.6	1858.0	1901.6	1945.2	1956.1	2032.3	2133.9	2184.8	2254.8	2394.7
152.5°	1970.1	1937.1	1904.1	1937.1	1970.1	1978.4	2047.2	2138.9	2184.8	2244.6	2364.0
155°	2021.2	1996.8	1972.3	1996.8	2021.2	2027.3	2079.8	2149.8	2184.8	2232.3	2327.4
157.5°	2070.4	2046.6	2022.9	2046.6	2070.4	2076.4	2112.5	2160.7	2184.8	2221.7	2295.6
160°	2094.1	2075.5	2057.1	2075.5	2094.1	2098.7	2127.3	2165.7	2184.8	2216.5	2279.9
162.5°	2118.9	2105.1	2091.2	2105.1	2118.9	2122.4	2143.2	2170.9	2184.8	2211.6	2265.0
165°	2153.3	2140.8	2128.3	2140.8	2153.3	2156.5	2166.0	2178.5	2184.8	2203.9	2242.2
167.5°	2174.4	2168.5	2162.5	2168.5	2174.4	2175.8	2183.8	2194.4	2199.6	2212.2	2237.2
170°	2196.7	2190.7	2184.8	2190.7	2196.7	2198.1	2198.6	2199.2	2199.6	2212.2	2237.2
172.5°	2199.3	2198.0	2196.7	2198.0	2199.3	2199.6	2199.6	2199.6	2199.6	2209.6	2229.4
175°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2208.5	2202.6	2199.6	2205.9	2218.5
177.5°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2209.6	2204.9	2202.6	2207.6	2217.4
180°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0



TEST NUMBER: P935630  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	3865.9	3854.5	3869.6	3827.9	3869.6	3854.5	3865.9	3892.4	3869.6	3884.8	3900.0
5°	3392.1	3373.2	3312.5	3263.3	3312.5	3373.2	3392.1	3471.7	3509.6	3577.8	3668.8
7.5°	3032.1	3016.9	3001.8	2971.4	3001.8	3016.9	3032.1	3054.7	3092.7	3153.3	3221.6
10°	2952.4	2956.3	2979.0	2975.2	2979.0	2956.3	2952.4	2944.9	2933.5	2944.9	2986.6
12.5°	3157.2	3191.2	3316.3	3308.7	3316.3	3191.2	3157.2	3005.5	2903.2	2884.3	2891.8
15°	3392.1	3403.5	3430.1	3433.8	3430.1	3403.5	3392.1	3331.5	3024.4	2891.8	2850.1
17.5°	3414.9	3418.7	3437.6	3437.6	3437.6	3418.7	3414.9	3388.4	3286.0	3107.8	2872.9
20°	3395.9	3403.5	3441.3	3449.0	3441.3	3403.5	3395.9	3361.8	3305.0	3240.5	3062.4
22.5°	3388.4	3403.5	3433.8	3430.1	3433.8	3403.5	3388.4	3335.3	3286.0	3240.5	3168.5
25°	3350.4	3350.4	3354.2	3358.0	3354.2	3350.4	3350.4	3308.7	3210.2	3198.8	3157.2
27.5°	3270.8	3278.4	3301.2	3297.3	3301.2	3278.4	3270.8	3255.6	3149.5	3138.2	3107.8
30°	3198.8	3191.2	3172.3	3157.2	3172.3	3191.2	3198.8	3176.1	3070.0	3039.6	3047.2
32.5°	3077.5	3058.6	3039.6	3028.3	3039.6	3058.6	3077.5	3070.0	2990.4	2948.7	2956.3
35°	2933.5	2937.3	2933.5	2922.1	2933.5	2937.3	2933.5	2941.1	2891.8	2853.9	2850.1
37.5°	2831.2	2838.7	2835.0	2819.8	2835.0	2838.7	2831.2	2823.6	2755.4	2744.0	2751.6
40°	2725.1	2728.9	2725.1	2713.7	2725.1	2728.9	2725.1	2709.9	2615.2	2618.9	2645.5
42.5°	2622.7	2618.9	2607.5	2600.0	2607.5	2618.9	2622.7	2600.0	2478.7	2467.4	2516.6
45°	2505.2	2509.1	2486.3	2474.9	2486.3	2509.1	2505.2	2490.1	2365.0	2334.6	2368.8
47.5°	2387.7	2387.7	2368.8	2357.4	2368.8	2387.7	2387.7	2368.8	2236.2	2205.8	2224.8
50°	2262.6	2258.9	2232.3	2228.6	2232.3	2258.9	2262.6	2251.3	2111.1	2084.5	2084.5
52.5°	2118.6	2118.6	2122.5	2130.0	2122.5	2118.6	2118.6	2122.5	1997.4	1970.8	1963.3
55°	1993.6	1997.4	2023.9	2031.4	2023.9	1997.4	1993.6	1993.6	1879.9	1853.4	1838.2
57.5°	1864.7	1864.7	1883.7	1883.7	1883.7	1864.7	1864.7	1857.1	1747.3	1724.5	1716.9
60°	1716.9	1724.5	1739.6	1735.9	1739.6	1724.5	1716.9	1709.3	1614.5	1599.4	1572.8
62.5°	1561.5	1569.1	1572.8	1565.3	1572.8	1569.1	1561.5	1538.8	1481.9	1470.5	1436.4
65°	1398.5	1406.1	1409.9	1402.4	1409.9	1406.1	1398.5	1387.1	1345.5	1326.5	1296.2
67.5°	1231.8	1227.9	1224.2	1239.3	1224.2	1227.9	1231.8	1216.7	1190.1	1174.9	1133.2
70°	1061.2	1061.2	1057.5	1065.0	1057.5	1061.2	1061.2	1049.8	1034.7	1023.3	985.5
72.5°	879.3	875.5	890.7	879.3	890.7	875.5	879.3	875.5	867.9	856.6	818.7
75°	701.2	708.7	701.2	712.6	701.2	708.7	701.2	704.9	701.2	693.6	667.0
77.5°	534.4	542.0	534.4	534.4	534.4	542.0	534.4	538.1	538.1	538.1	515.5
80°	379.0	375.2	375.2	371.4	375.2	375.2	379.0	379.0	382.8	375.2	367.7
82.5°	242.6	238.8	238.8	246.3	238.8	238.8	242.6	246.3	238.8	238.8	238.8
85°	132.6	136.4	128.9	128.9	128.9	136.4	132.6	125.1	132.6	132.6	128.9
87.5°	49.2	45.5	45.5	45.5	45.5	45.5	49.2	53.1	53.1	53.1	56.9
90°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	75.3	100.3	112.8	97.0
92.5°	282.2	271.0	226.0	181.2	226.0	271.0	282.2	400.0	557.1	635.7	558.1
95°	958.0	924.0	788.0	652.0	788.0	924.0	958.0	1258.0	1657.9	1858.0	1569.2
97.5°	2211.5	2146.7	1888.0	1629.3	1888.0	2146.7	2211.5	2401.1	2653.9	2780.3	2298.8
100°	3105.6	3028.6	2720.3	2412.0	2720.3	3028.6	3105.6	3091.8	3073.3	3064.0	2529.7
102.5°	3869.0	3803.1	3539.0	3275.0	3539.0	3803.1	3869.0	3627.4	3305.3	3144.2	2602.3
105°	4760.1	4724.6	4582.7	4440.8	4582.7	4724.6	4760.1	4218.5	3496.3	3135.3	2610.5
107.5°	5223.5	5232.1	5266.4	5300.8	5266.4	5232.1	5223.5	4468.0	3460.7	2957.1	2494.4
110°	5342.3	5379.4	5527.2	5675.0	5527.2	5379.4	5342.3	4497.7	3371.6	2808.5	2391.3



TEST NUMBER: P935630

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5266.6	5323.4	5550.4	5777.5	5550.4	5323.4	5266.6	4402.2	3249.7	2673.4	2301.5
115°	5009.7	5088.4	5403.3	5718.1	5403.3	5088.4	5009.7	4176.9	3066.7	2511.5	2198.3
117.5°	4654.7	4742.0	5091.2	5440.4	5091.2	4742.0	4654.7	3903.2	2901.2	2400.1	2133.7
120°	4415.6	4500.4	4839.7	5178.9	4839.7	4500.4	4415.6	3729.0	2813.4	2355.6	2112.0
122.5°	4176.5	4260.1	4594.8	4929.5	4594.8	4260.1	4176.5	3558.1	2733.7	2321.4	2100.7
125°	3860.1	3937.1	4245.4	4553.7	4245.4	3937.1	3860.1	3334.8	2634.4	2284.2	2091.2
127.5°	3606.1	3671.1	3931.2	4191.3	3931.2	3671.1	3606.1	3155.1	2553.7	2253.1	2085.7
130°	3445.7	3505.8	3746.1	3986.4	3746.1	3505.8	3445.7	3044.2	2508.9	2241.2	2089.1
132.5°	3309.1	3362.9	3578.1	3793.2	3578.1	3362.9	3309.1	2949.7	2470.4	2230.8	2091.2
135°	3116.0	3162.4	3347.8	3533.3	3347.8	3162.4	3116.0	2815.0	2413.7	2213.0	2089.3
137.5°	2973.4	3011.3	3163.2	3315.0	3163.2	3011.3	2973.4	2718.9	2379.7	2210.0	2102.1
140°	2859.0	2894.5	3036.5	3178.4	3036.5	2894.5	2859.0	2639.2	2346.1	2199.6	2104.2
142.5°	2778.9	2809.4	2931.5	3053.6	2931.5	2809.4	2778.9	2585.8	2328.3	2199.6	2111.8
145°	2658.5	2681.6	2774.0	2866.5	2774.0	2681.6	2658.5	2500.6	2290.1	2184.8	2111.8
147.5°	2557.5	2576.7	2653.2	2729.8	2653.2	2576.7	2557.5	2433.3	2267.6	2184.8	2126.4
150°	2499.6	2515.1	2577.2	2639.3	2577.2	2515.1	2499.6	2394.7	2254.8	2184.8	2133.9
152.5°	2453.6	2465.4	2512.2	2559.1	2512.2	2465.4	2453.6	2364.0	2244.6	2184.8	2138.9
155°	2398.6	2406.4	2437.4	2468.4	2437.4	2406.4	2398.6	2327.4	2232.3	2184.8	2149.8
157.5°	2351.1	2356.5	2378.3	2400.1	2378.3	2356.5	2351.1	2295.6	2221.7	2184.8	2160.7
160°	2327.4	2330.5	2343.1	2355.6	2343.1	2330.5	2327.4	2279.9	2216.5	2184.8	2165.7
162.5°	2305.1	2308.1	2319.9	2331.8	2319.9	2308.1	2305.1	2265.0	2211.6	2184.8	2170.9
165°	2270.9	2274.0	2286.5	2299.2	2286.5	2274.0	2270.9	2242.2	2203.9	2184.8	2178.5
167.5°	2256.0	2257.4	2262.6	2267.9	2262.6	2257.4	2256.0	2237.2	2212.2	2199.6	2194.4
170°	2256.0	2256.0	2256.0	2256.0	2256.0	2256.0	2256.0	2237.2	2212.2	2199.6	2199.2
172.5°	2244.2	2243.0	2238.4	2233.8	2238.4	2243.0	2244.2	2229.4	2209.6	2199.6	2199.6
175°	2227.8	2227.8	2227.8	2227.8	2227.8	2227.8	2227.8	2218.5	2205.9	2199.6	2202.6
177.5°	2224.9	2223.5	2218.3	2213.0	2218.3	2223.5	2224.9	2217.4	2207.6	2202.6	2204.9
180°	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0	2213.0



TEST NUMBER: P935630

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4006.1	4006.1	4006.1	4006.1	4006.1
2.5°	3956.8	3975.8	3987.1	4002.3	4040.2
5°	3805.3	3877.3	3900.0	3956.8	4025.1
7.5°	3471.7	3691.6	3752.2	3888.6	3994.7
10°	3149.5	3369.3	3475.5	3797.6	3956.8
12.5°	2986.6	3115.5	3187.5	3638.5	3903.8
15°	2884.3	2975.2	3028.3	3426.2	3843.1
17.5°	2804.6	2869.1	2907.0	3217.8	3759.8
20°	2755.4	2785.7	2819.8	3066.1	3665.0
22.5°	2721.2	2702.3	2728.9	2960.1	3536.1
25°	2698.6	2626.6	2656.9	2876.7	3384.5
27.5°	2717.5	2558.3	2569.7	2800.9	3225.3
30°	2721.2	2474.9	2478.7	2721.2	3047.2
32.5°	2694.7	2387.7	2391.5	2622.7	2846.3
35°	2630.3	2285.4	2281.7	2509.1	2573.5
37.5°	2543.1	2175.5	2175.5	2384.0	2274.0
40°	2437.0	2065.6	2076.9	2220.9	2008.8
42.5°	2308.2	1948.1	1963.3	2004.9	1811.7
45°	2167.9	1834.4	1845.7	1694.2	1660.0
47.5°	2012.5	1716.9	1720.7	1406.1	1610.8
50°	1826.8	1595.6	1580.5	1205.3	1607.0
52.5°	1663.9	1463.0	1417.5	1091.5	1459.2
55°	1504.7	1322.7	1224.2	1004.4	1353.0
57.5°	1364.4	1140.8	1046.1	902.1	1330.4
60°	1235.6	962.7	890.7	792.1	1220.4
62.5°	1129.5	830.1	814.9	716.3	1106.7
65°	1015.8	739.0	735.3	651.9	939.9
67.5°	905.8	678.4	674.6	591.2	716.3
70°	788.4	614.0	606.4	526.9	530.6
72.5°	667.0	542.0	534.4	473.8	439.7
75°	545.8	458.6	454.8	413.1	356.3
77.5°	428.3	363.8	371.4	333.5	261.5
80°	307.0	265.3	272.9	238.8	197.1
82.5°	204.6	174.3	182.0	151.6	132.6
85°	113.7	98.6	102.3	79.6	60.6
87.5°	53.1	45.5	45.5	30.3	18.9
90°	65.3	41.6	38.6	26.7	14.8
92.5°	403.0	286.7	261.4	160.4	59.4
95°	991.6	558.4	512.2	327.4	142.6
97.5°	1335.7	613.4	572.7	409.5	246.5
100°	1461.0	659.5	622.5	474.7	326.7
102.5°	1518.4	705.5	671.0	533.1	395.1
105°	1561.0	773.8	744.6	627.7	510.9
107.5°	1568.9	874.8	847.6	738.7	629.7
110°	1557.0	931.2	906.7	808.3	710.0



TEST NUMBER: P935630

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1557.4	999.5	976.1	882.4	788.7
115°	1571.9	1102.0	1080.4	993.9	907.4
117.5°	1601.0	1201.6	1182.0	1103.4	1024.8
120°	1624.9	1259.5	1241.0	1167.0	1093.1
122.5°	1659.0	1327.8	1309.1	1234.5	1160.0
125°	1705.1	1415.5	1398.4	1330.4	1262.5
127.5°	1751.1	1500.1	1483.0	1414.3	1345.7
130°	1784.7	1556.5	1538.0	1464.1	1390.2
132.5°	1812.0	1602.6	1584.1	1510.1	1436.2
135°	1841.7	1656.0	1639.2	1571.9	1504.6
137.5°	1886.2	1724.3	1707.7	1641.0	1574.4
140°	1913.4	1770.4	1755.0	1693.6	1632.2
142.5°	1936.2	1804.5	1790.4	1733.6	1676.8
145°	1965.9	1856.5	1844.2	1794.7	1745.1
147.5°	2009.5	1921.9	1909.8	1861.6	1813.4
150°	2032.3	1956.1	1945.2	1901.6	1858.0
152.5°	2047.2	1978.4	1970.1	1937.1	1904.1
155°	2079.8	2027.3	2021.2	1996.8	1972.3
157.5°	2112.5	2076.4	2070.4	2046.6	2022.9
160°	2127.3	2098.7	2094.1	2075.5	2057.1
162.5°	2143.2	2122.4	2118.9	2105.1	2091.2
165°	2166.0	2156.5	2153.3	2140.8	2128.3
167.5°	2183.8	2175.8	2174.4	2168.5	2162.5
170°	2198.6	2198.1	2196.7	2190.7	2184.8
172.5°	2199.6	2199.6	2199.3	2198.0	2196.7
175°	2208.5	2213.0	2213.0	2213.0	2213.0
177.5°	2209.6	2213.0	2213.0	2213.0	2213.0
180°	2213.0	2213.0	2213.0	2213.0	2213.0



TEST NUMBER: P935630  
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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	13.57	13.79	14.60	15.98	15.62	16.42	16.65	17.45	18.83
	3H	13.24	13.95	14.28	14.99	16.39	16.97	17.68	18.00	18.72	20.12
	4H	13.43	14.10	14.48	15.15	16.55	17.41	18.09	18.46	19.13	20.54
	6H	13.55	14.17	14.60	15.21	16.63	17.70	18.32	18.76	19.37	20.79
	8H	13.55	14.14	14.61	15.20	16.61	17.78	18.37	18.84	19.43	20.85
	12H	13.51	14.07	14.58	15.13	16.57	17.82	18.38	18.88	19.43	20.87
4H	2H	13.80	14.47	14.85	15.52	16.92	16.02	16.70	17.07	17.74	19.15
	3H	14.82	15.38	15.88	16.45	17.87	17.53	18.09	18.59	19.16	20.58
	4H	15.09	15.61	16.16	16.67	18.11	18.06	18.57	19.12	19.63	21.08
	6H	15.22	15.66	16.29	16.74	18.18	18.42	18.87	19.50	19.95	21.39
	8H	15.22	15.63	16.30	16.71	18.16	18.53	18.95	19.61	20.02	21.48
	12H	15.18	15.56	16.28	16.65	18.11	18.59	18.96	19.68	20.05	21.51
8H	4H	15.55	15.96	16.62	17.04	18.49	18.18	18.59	19.25	19.67	21.12
	6H	15.80	16.15	16.90	17.26	18.71	18.62	18.96	19.71	20.08	21.53
	8H	15.85	16.15	16.95	17.25	18.72	18.77	19.07	19.88	20.17	21.64
	12H	15.83	16.09	16.94	17.19	18.70	18.87	19.13	19.98	20.23	21.74
12H	4H	15.55	15.92	16.64	17.01	18.47	18.14	18.51	19.23	19.60	21.06
	6H	15.87	16.17	16.97	17.27	18.74	18.61	18.91	19.72	20.01	21.48
	8H	15.93	16.19	17.04	17.29	18.80	18.77	19.04	19.88	20.13	21.64