

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: P935655

Luminaire Tested: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

**Test Information**

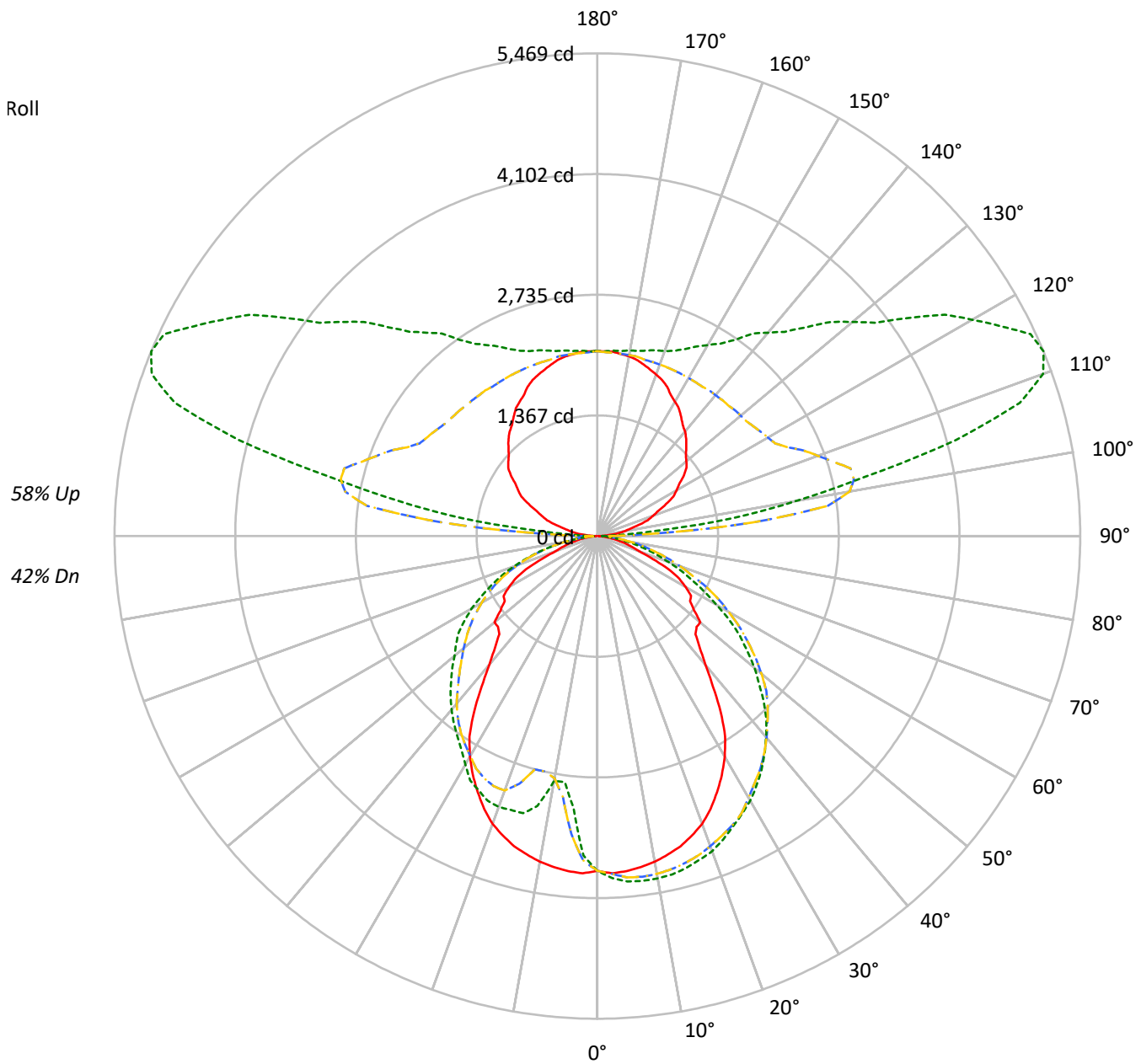
Test Method: LM-79-2019  
Report Number: P935655  
REPORT IS A COMBINATION OF REPORTS P933761 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23421.0 lumens  
Efficiency: N/A  
Efficacy: 121.2 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
RCR																				
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42	42	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35	35	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30	30	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	25	25	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	22	22	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	19	19	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	16	16	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	15	15	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	13	13	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	12	12	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11	11	11

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

	0°	90°	180°	270°
0°	11730	11730	11730	11730
5°	11822	11841	11822	9310
10°	11747	11664	11747	8339
15°	11624	11411	11624	9528
20°	11385	11112	11385	9548
25°	10892	10675	10892	9346
30°	10253	10312	10253	8902
35°	9146	9854	9146	8414
40°	7625	9314	7625	8044
45°	6817	8682	6817	7620
50°	7248	7929	7248	7195
55°	6826	7117	6826	6948
60°	7045	6045	7045	6364
65°	6398	4997	6398	5585
70°	4441	3982	4441	4682
75°	3909	2944	3909	3525
80°	3174	1946	3174	2119
85°	1860	1031	1860	876

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10441 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	342.3	1.5
10°-20°	971.9	4.1
20°-30°	1502.5	6.4
30°-40°	1793.6	7.7
40°-50°	1804.1	7.7
50°-60°	1569.8	6.7
60°-70°	1113.0	4.8
70°-80°	588.8	2.5
80°-90°	154.6	0.7
90°-100°	1021.1	4.4
100°-110°	2684.7	11.5
110°-120°	2783.7	11.9
120°-130°	2232.9	9.5
130°-140°	1752.0	7.5
140°-150°	1344.7	5.7
150°-160°	968.4	4.1
160°-170°	592.5	2.5
170°-180°	200.2	0.9
0°-30°	2816.7	12.0
0°-40°	4610.3	19.7
0°-60°	7984.3	34.1
0°-90°	9840.8	42.0
90°-120°	6489.5	27.7
90°-150°	11819.1	50.5
90°-180°	13580.0	58.0
0°-180°	23421.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3792	3792	3792	3792	3792	
5°	3810	3929	3810	3089	3810	361
15°	3638	3893	3638	3250	3638	1024
25°	3204	3631	3204	3179	3204	1471
35°	2436	3240	2436	2766	2436	1507
45°	1572	2669	1572	2343	1572	1259
55°	1281	1970	1281	1923	1281	1177
65°	890	1188	890	1328	890	850
75°	337	563	337	674	337	355
85°	57	144	57	122	57	78
90°	14	53	14	53	14	14
95°	135	617	135	617	135	150
105°	484	4204	484	4204	484	513
115°	859	5413	859	5413	859	848
125°	1195	4311	1195	4311	1195	1061
135°	1424	3345	1424	3345	1424	1102
145°	1652	2714	1652	2714	1652	1035
155°	1867	2337	1867	2337	1867	858
165°	2015	2176	2015	2176	2015	569
175°	2095	2109	2095	2109	2095	199
180°	2095	2095	2095	2095	2095	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3824.6	3824.6	3846.1	3853.3	3853.3	3842.5	3831.7	3842.5	3874.8	3885.6	3882.0
5°	3810.3	3839.0	3878.4	3885.6	3892.7	3889.2	3882.0	3889.2	3925.0	3932.2	3935.8
7.5°	3781.5	3835.3	3885.6	3896.4	3907.1	3896.4	3892.7	3900.0	3935.8	3943.0	3943.0
10°	3745.6	3821.0	3878.4	3885.6	3896.4	3885.6	3885.6	3900.0	3935.8	3943.0	3946.6
12.5°	3695.4	3799.5	3853.3	3860.5	3874.8	3871.2	3867.7	3882.0	3917.9	3925.0	3925.0
15°	3638.0	3760.0	3810.3	3817.4	3842.5	3835.3	3835.3	3849.7	3889.2	3900.0	3896.4
17.5°	3559.1	3709.8	3767.2	3778.0	3795.9	3792.3	3795.9	3810.3	3846.1	3853.3	3856.9
20°	3469.4	3641.6	3709.8	3720.6	3738.5	3738.5	3738.5	3756.4	3792.3	3806.7	3806.7
22.5°	3347.4	3569.9	3641.6	3648.8	3670.3	3670.3	3677.5	3702.6	3734.9	3738.5	3738.5
25°	3203.9	3490.9	3551.9	3573.5	3594.9	3605.7	3616.5	3630.9	3641.6	3638.0	3641.6
27.5°	3053.2	3390.5	3469.4	3483.8	3512.5	3523.2	3537.6	3541.2	3544.7	3555.5	3548.3
30°	2884.6	3250.5	3368.9	3383.3	3429.9	3437.1	3422.8	3429.9	3447.8	3455.1	3462.2
32.5°	2694.4	3042.4	3264.9	3297.1	3340.2	3318.7	3315.2	3325.9	3354.6	3354.6	3361.8
35°	2436.2	2881.0	3168.1	3196.8	3229.0	3203.9	3218.2	3221.8	3239.8	3250.5	3247.0
37.5°	2152.7	2741.1	3067.6	3089.1	3114.2	3081.9	3103.4	3114.2	3128.6	3121.4	3121.4
40°	1901.6	2522.2	2949.2	2963.5	2985.0	2960.0	2981.4	2988.7	2995.8	2988.7	2985.0
42.5°	1715.0	2281.8	2823.6	2841.6	2827.2	2845.1	2852.3	2866.6	2855.9	2841.6	2841.6
45°	1571.5	2217.3	2687.2	2708.8	2687.2	2715.9	2726.7	2726.7	2694.4	2687.2	2683.7
47.5°	1524.8	2088.1	2550.9	2550.9	2540.2	2576.0	2594.0	2568.8	2536.5	2525.9	2525.9
50°	1521.2	1944.6	2364.4	2350.0	2400.2	2443.3	2425.4	2400.2	2375.1	2335.7	2335.7
52.5°	1381.3	1768.8	2124.0	2177.8	2256.7	2281.8	2253.1	2228.1	2185.0	2167.0	2152.7
55°	1280.8	1585.8	1905.1	2012.7	2095.3	2127.6	2073.7	2048.7	1984.0	1973.3	1966.1
57.5°	1259.4	1320.3	1704.2	1840.6	1941.0	1937.4	1905.1	1858.5	1804.6	1793.9	1790.3
60°	1155.3	954.3	1488.9	1650.4	1754.5	1743.7	1715.0	1671.9	1621.7	1614.5	1607.3
62.5°	1047.6	692.4	1245.0	1428.0	1575.1	1571.5	1546.4	1481.7	1445.9	1428.0	1413.6
65°	889.8	581.2	886.2	1187.6	1399.2	1406.4	1352.6	1306.0	1266.5	1245.0	1241.3
67.5°	678.1	473.6	599.1	990.2	1230.7	1223.4	1155.3	1133.7	1083.5	1072.7	1051.3
70°	502.3	315.7	416.2	803.7	1065.6	1047.6	993.8	968.7	922.1	896.9	882.6
72.5°	416.2	254.7	304.9	624.3	896.9	875.4	828.8	800.1	760.6	739.1	724.8
75°	337.3	269.1	233.2	462.8	728.3	714.0	670.9	642.2	609.9	581.2	584.8
77.5°	247.6	251.2	186.6	340.9	577.7	556.1	531.0	495.1	480.7	452.0	452.0
80°	186.6	197.3	139.9	233.2	416.2	416.2	394.7	369.6	344.4	330.1	330.1
82.5°	125.5	125.5	104.0	147.1	283.4	272.6	258.3	251.2	236.8	229.6	229.6
85°	57.4	71.8	64.5	89.7	154.2	161.5	161.5	154.2	150.7	143.5	147.1
87.5°	17.9	32.3	39.5	50.2	78.9	82.6	86.1	86.1	86.1	89.7	89.7
90°	14.0	25.3	36.6	39.4	61.8	91.8	106.8	95.0	71.2	53.4	53.4
92.5°	56.2	151.8	247.5	271.4	381.5	528.3	601.8	527.3	378.6	267.1	256.5
95°	135.0	309.9	484.9	528.6	938.7	1485.5	1758.8	1569.5	1190.8	906.9	874.7
97.5°	233.4	387.7	542.1	580.7	1264.4	2176.1	2631.9	2512.3	2272.9	2093.5	2032.2
100°	309.3	449.3	589.3	624.3	1383.0	2394.7	2900.5	2909.3	2926.7	2939.9	2866.9
102.5°	374.0	504.6	635.2	667.8	1437.4	2463.4	2976.4	3128.9	3433.8	3662.6	3600.1
105°	483.6	594.2	704.8	732.5	1477.7	2471.2	2967.9	3309.7	3993.4	4506.1	4472.5
107.5°	596.1	699.2	802.3	828.1	1485.2	2361.3	2799.3	3276.0	4229.5	4944.7	4952.9
110°	672.1	765.1	858.3	881.5	1473.9	2263.7	2658.6	3191.7	4257.7	5057.2	5092.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	746.6	835.3	924.0	946.2	1474.3	2178.6	2530.7	3076.3	4167.3	4985.5	5039.3
115°	859.0	940.8	1022.7	1043.2	1488.0	2081.0	2377.5	2903.0	3954.0	4742.3	4816.8
117.5°	970.2	1044.5	1118.9	1137.4	1515.6	2019.9	2272.0	2746.3	3694.9	4406.2	4488.9
120°	1034.8	1104.7	1174.8	1192.3	1538.1	1999.3	2229.9	2663.3	3529.9	4179.9	4260.2
122.5°	1098.1	1168.7	1239.3	1256.9	1570.5	1988.5	2197.5	2587.8	3368.2	3953.6	4032.8
125°	1195.1	1259.4	1323.8	1339.9	1614.1	1979.6	2162.3	2493.8	3156.8	3654.0	3727.0
127.5°	1273.8	1338.8	1403.8	1420.0	1657.6	1974.4	2132.8	2417.4	2986.7	3413.6	3475.2
130°	1316.0	1386.0	1456.0	1473.4	1689.5	1977.6	2121.6	2375.0	2881.8	3261.8	3318.7
132.5°	1359.6	1429.5	1499.6	1517.0	1715.3	1979.6	2111.7	2338.6	2792.2	3132.5	3183.5
135°	1424.3	1488.0	1551.7	1567.6	1743.4	1977.8	2094.9	2284.9	2664.8	2949.7	2993.6
137.5°	1490.3	1553.4	1616.5	1632.3	1785.5	1989.9	2092.1	2252.7	2573.8	2814.7	2850.6
140°	1545.1	1603.2	1661.3	1675.9	1811.3	1991.9	2082.2	2220.9	2498.3	2706.4	2740.0
142.5°	1587.3	1641.1	1694.8	1708.2	1832.9	1999.1	2082.2	2204.1	2447.8	2630.6	2659.5
145°	1652.0	1698.9	1745.8	1757.5	1861.0	1999.1	2068.2	2167.9	2367.2	2516.6	2538.5
147.5°	1716.6	1762.3	1807.9	1819.3	1902.3	2012.9	2068.2	2146.6	2303.5	2421.0	2439.1
150°	1758.8	1800.1	1841.4	1851.7	1923.8	2020.0	2068.2	2134.5	2266.9	2366.2	2380.8
152.5°	1802.4	1833.7	1865.0	1872.8	1937.9	2024.8	2068.2	2124.8	2237.8	2322.6	2333.8
155°	1867.1	1890.2	1913.3	1919.1	1968.8	2035.1	2068.2	2113.2	2203.2	2270.6	2277.9
157.5°	1915.0	1937.4	1959.9	1965.6	1999.8	2045.4	2068.2	2103.1	2173.1	2225.6	2230.8
160°	1947.3	1964.7	1982.3	1986.6	2013.8	2050.1	2068.2	2098.2	2158.2	2203.2	2206.1
162.5°	1979.6	1992.7	2005.8	2009.1	2028.8	2055.1	2068.2	2093.5	2144.1	2182.1	2184.9
165°	2014.7	2026.6	2038.4	2041.4	2050.4	2062.2	2068.2	2086.3	2122.5	2149.7	2152.7
167.5°	2047.1	2052.7	2058.3	2059.7	2067.2	2077.3	2082.2	2094.1	2117.8	2135.6	2136.9
170°	2068.2	2073.8	2079.4	2080.8	2081.2	2081.9	2082.2	2094.1	2117.8	2135.6	2135.6
172.5°	2079.4	2080.7	2082.0	2082.2	2082.2	2082.2	2082.2	2091.6	2110.4	2124.4	2123.3
175°	2094.9	2094.9	2094.9	2094.9	2090.7	2085.0	2082.2	2088.2	2100.1	2108.9	2108.9
177.5°	2094.9	2094.9	2094.9	2094.9	2091.6	2087.2	2085.0	2089.7	2099.1	2106.1	2104.9
180°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3889.2	3878.4	3889.2	3882.0	3885.6	3874.8	3842.5	3831.7	3842.5	3853.3	3853.3
5°	3935.8	3928.7	3935.8	3935.8	3932.2	3925.0	3889.2	3882.0	3889.2	3892.7	3885.6
7.5°	3950.1	3939.4	3950.1	3943.0	3943.0	3935.8	3900.0	3892.7	3896.4	3907.1	3896.4
10°	3950.1	3939.4	3950.1	3946.6	3943.0	3935.8	3900.0	3885.6	3885.6	3896.4	3885.6
12.5°	3932.2	3925.0	3932.2	3925.0	3925.0	3917.9	3882.0	3867.7	3871.2	3874.8	3860.5
15°	3903.5	3892.7	3903.5	3896.4	3900.0	3889.2	3849.7	3835.3	3835.3	3842.5	3817.4
17.5°	3860.5	3846.1	3860.5	3856.9	3853.3	3846.1	3810.3	3795.9	3792.3	3795.9	3778.0
20°	3810.3	3799.5	3810.3	3806.7	3806.7	3792.3	3756.4	3738.5	3738.5	3738.5	3720.6
22.5°	3731.3	3720.6	3731.3	3738.5	3738.5	3734.9	3702.6	3677.5	3670.3	3670.3	3648.8
25°	3641.6	3630.9	3641.6	3641.6	3638.0	3641.6	3630.9	3616.5	3605.7	3594.9	3573.5
27.5°	3555.5	3548.3	3555.5	3548.3	3555.5	3544.7	3541.2	3537.6	3523.2	3512.5	3483.8
30°	3469.4	3462.2	3469.4	3462.2	3455.1	3447.8	3429.9	3422.8	3437.1	3429.9	3383.3
32.5°	3361.8	3354.6	3361.8	3361.8	3354.6	3354.6	3325.9	3315.2	3318.7	3340.2	3297.1
35°	3250.5	3239.8	3250.5	3247.0	3250.5	3239.8	3221.8	3218.2	3203.9	3229.0	3196.8
37.5°	3121.4	3110.6	3121.4	3121.4	3121.4	3128.6	3114.2	3103.4	3081.9	3114.2	3089.1
40°	2988.7	2974.3	2988.7	2985.0	2988.7	2995.8	2988.7	2981.4	2960.0	2985.0	2963.5
42.5°	2838.0	2834.3	2838.0	2841.6	2841.6	2855.9	2866.6	2852.3	2845.1	2827.2	2841.6
45°	2676.5	2669.3	2676.5	2683.7	2687.2	2694.4	2726.7	2726.7	2715.9	2687.2	2708.8
47.5°	2504.3	2486.4	2504.3	2525.9	2525.9	2536.5	2568.8	2594.0	2576.0	2540.2	2550.9
50°	2321.3	2324.9	2321.3	2335.7	2335.7	2375.1	2400.2	2425.4	2443.3	2400.2	2350.0
52.5°	2141.9	2138.4	2141.9	2152.7	2167.0	2185.0	2228.1	2253.1	2281.8	2256.7	2177.8
55°	1962.5	1969.7	1962.5	1966.1	1973.3	1984.0	2048.7	2073.7	2127.6	2095.3	2012.7
57.5°	1783.2	1772.4	1783.2	1790.3	1793.9	1804.6	1858.5	1905.1	1937.4	1941.0	1840.6
60°	1575.1	1560.7	1575.1	1607.3	1614.5	1621.7	1671.9	1715.0	1743.7	1754.5	1650.4
62.5°	1392.0	1367.0	1392.0	1413.6	1428.0	1445.9	1481.7	1546.4	1571.5	1575.1	1428.0
65°	1198.3	1187.6	1198.3	1241.3	1245.0	1266.5	1306.0	1352.6	1406.4	1399.2	1187.6
67.5°	1022.6	1022.6	1022.6	1051.3	1072.7	1083.5	1133.7	1155.3	1223.4	1230.7	990.2
70°	861.1	857.5	861.1	882.6	896.9	922.1	968.7	993.8	1047.6	1065.6	803.7
72.5°	706.8	703.2	706.8	724.8	739.1	760.6	800.1	828.8	875.4	896.9	624.3
75°	570.4	563.3	570.4	584.8	581.2	609.9	642.2	670.9	714.0	728.3	462.8
77.5°	437.7	437.7	437.7	452.0	452.0	480.7	495.1	531.0	556.1	577.7	340.9
80°	326.5	322.9	326.5	330.1	330.1	344.4	369.6	394.7	416.2	416.2	233.2
82.5°	229.6	222.4	229.6	229.6	229.6	236.8	251.2	258.3	272.6	283.4	147.1
85°	143.5	143.5	143.5	147.1	143.5	150.7	154.2	161.5	161.5	154.2	89.7
87.5°	93.3	89.7	93.3	89.7	89.7	86.1	86.1	86.1	82.6	78.9	50.2
90°	53.4	53.4	53.4	53.4	53.4	71.2	95.0	106.8	91.8	61.8	39.4
92.5°	214.0	171.5	214.0	256.5	267.1	378.6	527.3	601.8	528.3	381.5	271.4
95°	745.9	617.2	745.9	874.7	906.9	1190.8	1569.5	1758.8	1485.5	938.7	528.6
97.5°	1787.2	1542.3	1787.2	2032.2	2093.5	2272.9	2512.3	2631.9	2176.1	1264.4	580.7
100°	2575.1	2283.3	2575.1	2866.9	2939.9	2926.7	2909.3	2900.5	2394.7	1383.0	624.3
102.5°	3350.1	3100.2	3350.1	3600.1	3662.6	3433.8	3128.9	2976.4	2463.4	1437.4	667.8
105°	4338.2	4203.8	4338.2	4472.5	4506.1	3993.4	3309.7	2967.9	2471.2	1477.7	732.5
107.5°	4985.4	5017.9	4985.4	4952.9	4944.7	4229.5	3276.0	2799.3	2361.3	1485.2	828.1
110°	5232.2	5372.1	5232.2	5092.3	5057.2	4257.7	3191.7	2658.6	2263.7	1473.9	881.5





TEST NUMBER: P935655

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5254.2	5469.2	5254.2	5039.3	4985.5	4167.3	3076.3	2530.7	2178.6	1474.3	946.2
115°	5114.9	5413.0	5114.9	4816.8	4742.3	3954.0	2903.0	2377.5	2081.0	1488.0	1043.2
117.5°	4819.4	5150.0	4819.4	4488.9	4406.2	3694.9	2746.3	2272.0	2019.9	1515.6	1137.4
120°	4581.4	4902.5	4581.4	4260.2	4179.9	3529.9	2663.3	2229.9	1999.3	1538.1	1192.3
122.5°	4349.6	4666.4	4349.6	4032.8	3953.6	3368.2	2587.8	2197.5	1988.5	1570.5	1256.9
125°	4018.8	4310.6	4018.8	3727.0	3654.0	3156.8	2493.8	2162.3	1979.6	1614.1	1339.9
127.5°	3721.4	3967.6	3721.4	3475.2	3413.6	2986.7	2417.4	2132.8	1974.4	1657.6	1420.0
130°	3546.1	3773.6	3546.1	3318.7	3261.8	2881.8	2375.0	2121.6	1977.6	1689.5	1473.4
132.5°	3387.1	3590.8	3387.1	3183.5	3132.5	2792.2	2338.6	2111.7	1979.6	1715.3	1517.0
135°	3169.1	3344.8	3169.1	2993.6	2949.7	2664.8	2284.9	2094.9	1977.8	1743.4	1567.6
137.5°	2994.4	3138.1	2994.4	2850.6	2814.7	2573.8	2252.7	2092.1	1989.9	1785.5	1632.3
140°	2874.4	3008.8	2874.4	2740.0	2706.4	2498.3	2220.9	2082.2	1991.9	1811.3	1675.9
142.5°	2775.0	2890.6	2775.0	2659.5	2630.6	2447.8	2204.1	2082.2	1999.1	1832.9	1708.2
145°	2626.0	2713.5	2626.0	2538.5	2516.6	2367.2	2167.9	2068.2	1999.1	1861.0	1757.5
147.5°	2511.6	2584.1	2511.6	2439.1	2421.0	2303.5	2146.6	2068.2	2012.9	1902.3	1819.3
150°	2439.7	2498.4	2439.7	2380.8	2366.2	2266.9	2134.5	2068.2	2020.0	1923.8	1851.7
152.5°	2378.1	2422.5	2378.1	2333.8	2322.6	2237.8	2124.8	2068.2	2024.8	1937.9	1872.8
155°	2307.3	2336.7	2307.3	2277.9	2270.6	2203.2	2113.2	2068.2	2035.1	1968.8	1919.1
157.5°	2251.4	2272.0	2251.4	2230.8	2225.6	2173.1	2103.1	2068.2	2045.4	1999.8	1965.6
160°	2218.0	2229.9	2218.0	2206.1	2203.2	2158.2	2098.2	2068.2	2050.1	2013.8	1986.6
162.5°	2196.1	2207.3	2196.1	2184.9	2182.1	2144.1	2093.5	2068.2	2055.1	2028.8	2009.1
165°	2164.5	2176.5	2164.5	2152.7	2149.7	2122.5	2086.3	2068.2	2062.2	2050.4	2041.4
167.5°	2141.9	2146.9	2141.9	2136.9	2135.6	2117.8	2094.1	2082.2	2077.3	2067.2	2059.7
170°	2135.6	2135.6	2135.6	2135.6	2135.6	2117.8	2094.1	2082.2	2081.9	2081.2	2080.8
172.5°	2118.9	2114.5	2118.9	2123.3	2124.4	2110.4	2091.6	2082.2	2082.2	2082.2	2082.2
175°	2108.9	2108.9	2108.9	2108.9	2108.9	2100.1	2088.2	2082.2	2085.0	2090.7	2094.9
177.5°	2099.9	2094.9	2099.9	2104.9	2106.1	2099.1	2089.7	2085.0	2087.2	2091.6	2094.9
180°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9



TEST NUMBER: P935655  
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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3846.1	3824.6	3824.6	3788.7	3774.3	3763.6	3745.6	3691.9	3677.5	3663.1	3684.6
5°	3878.4	3839.0	3810.3	3745.6	3691.9	3670.3	3602.2	3473.0	3386.8	3322.3	3286.5
7.5°	3885.6	3835.3	3781.5	3681.1	3551.9	3494.6	3286.5	3049.7	2985.0	2927.7	2891.7
10°	3878.4	3821.0	3745.6	3594.9	3290.0	3189.5	2981.4	2827.2	2787.7	2776.9	2787.7
12.5°	3853.3	3799.5	3695.4	3444.3	3017.4	2949.2	2827.2	2737.5	2730.3	2748.2	2845.1
15°	3810.3	3760.0	3638.0	3243.4	2866.6	2816.4	2730.3	2698.0	2737.5	2863.0	3153.7
17.5°	3767.2	3709.8	3559.1	3046.0	2751.9	2715.9	2654.9	2719.6	2942.0	3110.6	3207.5
20°	3709.8	3641.6	3469.4	2902.5	2669.3	2637.0	2608.3	2899.0	3067.6	3128.6	3182.4
22.5°	3641.6	3569.9	3347.4	2802.1	2583.2	2558.1	2576.0	2999.4	3067.6	3110.6	3157.3
25°	3551.9	3490.9	3203.9	2723.2	2515.1	2486.4	2554.5	2988.7	3028.1	3038.9	3132.1
27.5°	3469.4	3390.5	3053.2	2651.4	2432.5	2421.8	2572.5	2942.0	2970.7	2981.4	3081.9
30°	3368.9	3250.5	2884.6	2576.0	2346.4	2342.8	2576.0	2884.6	2877.4	2906.1	3006.6
32.5°	3264.9	3042.4	2694.4	2482.8	2263.9	2260.3	2550.9	2798.5	2791.3	2830.8	2906.1
35°	3168.1	2881.0	2436.2	2375.1	2159.9	2163.4	2489.9	2698.0	2701.6	2737.5	2784.1
37.5°	3067.6	2741.1	2152.7	2256.7	2059.4	2059.4	2407.4	2604.8	2597.5	2608.3	2672.9
40°	2949.2	2522.2	1901.6	2102.4	1966.1	1955.3	2307.0	2504.3	2479.1	2475.6	2565.3
42.5°	2823.6	2281.8	1715.0	1897.9	1858.5	1844.1	2185.0	2382.3	2335.7	2346.4	2461.2
45°	2687.2	2217.3	1571.5	1603.8	1747.2	1736.5	2052.2	2242.4	2210.0	2238.8	2357.2
47.5°	2550.9	2088.1	1524.8	1331.0	1628.8	1625.3	1905.1	2106.0	2088.1	2116.8	2242.4
50°	2364.4	1944.6	1521.2	1141.0	1496.1	1510.4	1729.3	1973.3	1973.3	1998.4	2131.1
52.5°	2124.0	1768.8	1381.3	1033.2	1341.8	1384.9	1575.1	1858.5	1865.6	1890.8	2009.2
55°	1905.1	1585.8	1280.8	950.8	1158.9	1252.1	1424.4	1740.1	1754.5	1779.5	1887.2
57.5°	1704.2	1320.3	1259.4	853.9	990.2	1079.9	1291.6	1625.3	1632.5	1654.0	1758.0
60°	1488.9	954.3	1155.3	749.8	843.2	911.3	1169.6	1488.9	1514.1	1528.4	1618.1
62.5°	1245.0	692.4	1047.6	678.1	771.4	785.8	1069.2	1359.7	1392.0	1402.8	1456.7
65°	886.2	581.2	889.8	617.1	696.1	699.6	961.6	1227.0	1255.7	1273.7	1313.1
67.5°	599.1	473.6	678.1	559.7	638.6	642.2	857.5	1072.7	1112.2	1126.6	1151.7
70°	416.2	315.7	502.3	498.7	574.1	581.2	746.3	932.9	968.7	979.5	993.8
72.5°	304.9	254.7	416.2	448.5	505.9	513.0	631.4	775.0	810.8	821.6	828.8
75°	233.2	269.1	337.3	391.0	430.5	434.1	516.7	631.4	656.6	663.8	667.3
77.5°	186.6	251.2	247.6	315.7	351.6	344.4	405.4	488.0	509.4	509.4	509.4
80°	139.9	197.3	186.6	226.0	258.3	251.2	290.6	348.0	355.2	362.3	358.8
82.5°	104.0	125.5	125.5	143.5	172.3	165.0	193.7	226.0	226.0	226.0	233.2
85°	64.5	71.8	57.4	75.3	96.9	93.3	107.6	122.0	125.5	125.5	118.4
87.5°	39.5	32.3	17.9	28.7	43.1	43.1	50.2	53.9	50.2	50.2	50.2
90°	36.6	25.3	14.0	25.3	36.6	39.4	61.8	91.8	106.8	95.0	71.2
92.5°	247.5	151.8	56.2	151.8	247.5	271.4	381.5	528.3	601.8	527.3	378.6
95°	484.9	309.9	135.0	309.9	484.9	528.6	938.7	1485.5	1758.8	1569.5	1190.8
97.5°	542.1	387.7	233.4	387.7	542.1	580.7	1264.4	2176.1	2631.9	2512.3	2272.9
100°	589.3	449.3	309.3	449.3	589.3	624.3	1383.0	2394.7	2900.5	2909.3	2926.7
102.5°	635.2	504.6	374.0	504.6	635.2	667.8	1437.4	2463.4	2976.4	3128.9	3433.8
105°	704.8	594.2	483.6	594.2	704.8	732.5	1477.7	2471.2	2967.9	3309.7	3993.4
107.5°	802.3	699.2	596.1	699.2	802.3	828.1	1485.2	2361.3	2799.3	3276.0	4229.5
110°	858.3	765.1	672.1	765.1	858.3	881.5	1473.9	2263.7	2658.6	3191.7	4257.7



TEST NUMBER: P935655

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	924.0	835.3	746.6	835.3	924.0	946.2	1474.3	2178.6	2530.7	3076.3	4167.3
115°	1022.7	940.8	859.0	940.8	1022.7	1043.2	1488.0	2081.0	2377.5	2903.0	3954.0
117.5°	1118.9	1044.5	970.2	1044.5	1118.9	1137.4	1515.6	2019.9	2272.0	2746.3	3694.9
120°	1174.8	1104.7	1034.8	1104.7	1174.8	1192.3	1538.1	1999.3	2229.9	2663.3	3529.9
122.5°	1239.3	1168.7	1098.1	1168.7	1239.3	1256.9	1570.5	1988.5	2197.5	2587.8	3368.2
125°	1323.8	1259.4	1195.1	1259.4	1323.8	1339.9	1614.1	1979.6	2162.3	2493.8	3156.8
127.5°	1403.8	1338.8	1273.8	1338.8	1403.8	1420.0	1657.6	1974.4	2132.8	2417.4	2986.7
130°	1456.0	1386.0	1316.0	1386.0	1456.0	1473.4	1689.5	1977.6	2121.6	2375.0	2881.8
132.5°	1499.6	1429.5	1359.6	1429.5	1499.6	1517.0	1715.3	1979.6	2111.7	2338.6	2792.2
135°	1551.7	1488.0	1424.3	1488.0	1551.7	1567.6	1743.4	1977.8	2094.9	2284.9	2664.8
137.5°	1616.5	1553.4	1490.3	1553.4	1616.5	1632.3	1785.5	1989.9	2092.1	2252.7	2573.8
140°	1661.3	1603.2	1545.1	1603.2	1661.3	1675.9	1811.3	1991.9	2082.2	2220.9	2498.3
142.5°	1694.8	1641.1	1587.3	1641.1	1694.8	1708.2	1832.9	1999.1	2082.2	2204.1	2447.8
145°	1745.8	1698.9	1652.0	1698.9	1745.8	1757.5	1861.0	1999.1	2068.2	2167.9	2367.2
147.5°	1807.9	1762.3	1716.6	1762.3	1807.9	1819.3	1902.3	2012.9	2068.2	2146.6	2303.5
150°	1841.4	1800.1	1758.8	1800.1	1841.4	1851.7	1923.8	2020.0	2068.2	2134.5	2266.9
152.5°	1865.0	1833.7	1802.4	1833.7	1865.0	1872.8	1937.9	2024.8	2068.2	2124.8	2237.8
155°	1913.3	1890.2	1867.1	1890.2	1913.3	1919.1	1968.8	2035.1	2068.2	2113.2	2203.2
157.5°	1959.9	1937.4	1915.0	1937.4	1959.9	1965.6	1999.8	2045.4	2068.2	2103.1	2173.1
160°	1982.3	1964.7	1947.3	1964.7	1982.3	1986.6	2013.8	2050.1	2068.2	2098.2	2158.2
162.5°	2005.8	1992.7	1979.6	1992.7	2005.8	2009.1	2028.8	2055.1	2068.2	2093.5	2144.1
165°	2038.4	2026.6	2014.7	2026.6	2038.4	2041.4	2050.4	2062.2	2068.2	2086.3	2122.5
167.5°	2058.3	2052.7	2047.1	2052.7	2058.3	2059.7	2067.2	2077.3	2082.2	2094.1	2117.8
170°	2079.4	2073.8	2068.2	2073.8	2079.4	2080.8	2081.2	2081.9	2082.2	2094.1	2117.8
172.5°	2082.0	2080.7	2079.4	2080.7	2082.0	2082.2	2082.2	2082.2	2082.2	2091.6	2110.4
175°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2090.7	2085.0	2082.2	2088.2	2100.1
177.5°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2091.6	2087.2	2085.0	2089.7	2099.1
180°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9



TEST NUMBER: P935655  
 CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3659.6	3648.8	3663.1	3623.6	3663.1	3648.8	3659.6	3684.6	3663.1	3677.5	3691.9
5°	3211.1	3193.1	3135.7	3089.1	3135.7	3193.1	3211.1	3286.5	3322.3	3386.8	3473.0
7.5°	2870.3	2855.9	2841.6	2812.8	2841.6	2855.9	2870.3	2891.7	2927.7	2985.0	3049.7
10°	2794.9	2798.5	2820.0	2816.4	2820.0	2798.5	2794.9	2787.7	2776.9	2787.7	2827.2
12.5°	2988.7	3020.9	3139.3	3132.1	3139.3	3020.9	2988.7	2845.1	2748.2	2730.3	2737.5
15°	3211.1	3221.8	3247.0	3250.5	3247.0	3221.8	3211.1	3153.7	2863.0	2737.5	2698.0
17.5°	3232.6	3236.2	3254.1	3254.1	3254.1	3236.2	3232.6	3207.5	3110.6	2942.0	2719.6
20°	3214.7	3221.8	3257.7	3264.9	3257.7	3221.8	3214.7	3182.4	3128.6	3067.6	2899.0
22.5°	3207.5	3221.8	3250.5	3247.0	3250.5	3221.8	3207.5	3157.3	3110.6	3067.6	2999.4
25°	3171.6	3171.6	3175.2	3178.7	3175.2	3171.6	3171.6	3132.1	3038.9	3028.1	2988.7
27.5°	3096.3	3103.4	3125.0	3121.4	3125.0	3103.4	3096.3	3081.9	2981.4	2970.7	2942.0
30°	3028.1	3020.9	3003.0	2988.7	3003.0	3020.9	3028.1	3006.6	2906.1	2877.4	2884.6
32.5°	2913.3	2895.3	2877.4	2866.6	2877.4	2895.3	2913.3	2906.1	2830.8	2791.3	2798.5
35°	2776.9	2780.6	2776.9	2766.2	2776.9	2780.6	2776.9	2784.1	2737.5	2701.6	2698.0
37.5°	2680.1	2687.2	2683.7	2669.3	2683.7	2687.2	2680.1	2672.9	2608.3	2597.5	2604.8
40°	2579.6	2583.2	2579.6	2568.8	2579.6	2583.2	2579.6	2565.3	2475.6	2479.1	2504.3
42.5°	2482.8	2479.1	2468.4	2461.2	2468.4	2479.1	2482.8	2461.2	2346.4	2335.7	2382.3
45°	2371.5	2375.1	2353.6	2342.8	2353.6	2375.1	2371.5	2357.2	2238.8	2210.0	2242.4
47.5°	2260.3	2260.3	2242.4	2231.6	2242.4	2260.3	2260.3	2242.4	2116.8	2088.1	2106.0
50°	2141.9	2138.4	2113.2	2109.7	2113.2	2138.4	2141.9	2131.1	1998.4	1973.3	1973.3
52.5°	2005.6	2005.6	2009.2	2016.3	2009.2	2005.6	2005.6	2009.2	1890.8	1865.6	1858.5
55°	1887.2	1890.8	1915.9	1923.0	1915.9	1890.8	1887.2	1887.2	1779.5	1754.5	1740.1
57.5°	1765.2	1765.2	1783.2	1783.2	1783.2	1765.2	1765.2	1758.0	1654.0	1632.5	1625.3
60°	1625.3	1632.5	1646.8	1643.2	1646.8	1632.5	1625.3	1618.1	1528.4	1514.1	1488.9
62.5°	1478.1	1485.4	1488.9	1481.7	1488.9	1485.4	1478.1	1456.7	1402.8	1392.0	1359.7
65°	1323.9	1331.0	1334.7	1327.5	1334.7	1331.0	1323.9	1313.1	1273.7	1255.7	1227.0
67.5°	1166.0	1162.4	1158.9	1173.2	1158.9	1162.4	1166.0	1151.7	1126.6	1112.2	1072.7
70°	1004.5	1004.5	1001.0	1008.2	1001.0	1004.5	1004.5	993.8	979.5	968.7	932.9
72.5°	832.4	828.8	843.2	832.4	843.2	828.8	832.4	828.8	821.6	810.8	775.0
75°	663.8	670.9	663.8	674.5	663.8	670.9	663.8	667.3	663.8	656.6	631.4
77.5°	505.9	513.0	505.9	505.9	505.9	513.0	505.9	509.4	509.4	509.4	488.0
80°	358.8	355.2	355.2	351.6	355.2	355.2	358.8	358.8	362.3	355.2	348.0
82.5°	229.6	226.0	226.0	233.2	226.0	226.0	229.6	233.2	226.0	226.0	226.0
85°	125.5	129.2	122.0	122.0	122.0	129.2	125.5	118.4	125.5	125.5	122.0
87.5°	46.6	43.1	43.1	43.1	43.1	43.1	46.6	50.2	50.2	50.2	53.9
90°	53.4	53.4	53.4	53.4	53.4	53.4	53.4	71.2	95.0	106.8	91.8
92.5°	267.1	256.5	214.0	171.5	214.0	256.5	267.1	378.6	527.3	601.8	528.3
95°	906.9	874.7	745.9	617.2	745.9	874.7	906.9	1190.8	1569.5	1758.8	1485.5
97.5°	2093.5	2032.2	1787.2	1542.3	1787.2	2032.2	2093.5	2272.9	2512.3	2631.9	2176.1
100°	2939.9	2866.9	2575.1	2283.3	2575.1	2866.9	2939.9	2926.7	2909.3	2900.5	2394.7
102.5°	3662.6	3600.1	3350.1	3100.2	3350.1	3600.1	3662.6	3433.8	3128.9	2976.4	2463.4
105°	4506.1	4472.5	4338.2	4203.8	4338.2	4472.5	4506.1	3993.4	3309.7	2967.9	2471.2
107.5°	4944.7	4952.9	4985.4	5017.9	4985.4	4952.9	4944.7	4229.5	3276.0	2799.3	2361.3
110°	5057.2	5092.3	5232.2	5372.1	5232.2	5092.3	5057.2	4257.7	3191.7	2658.6	2263.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4985.5	5039.3	5254.2	5469.2	5254.2	5039.3	4985.5	4167.3	3076.3	2530.7	2178.6
115°	4742.3	4816.8	5114.9	5413.0	5114.9	4816.8	4742.3	3954.0	2903.0	2377.5	2081.0
117.5°	4406.2	4488.9	4819.4	5150.0	4819.4	4488.9	4406.2	3694.9	2746.3	2272.0	2019.9
120°	4179.9	4260.2	4581.4	4902.5	4581.4	4260.2	4179.9	3529.9	2663.3	2229.9	1999.3
122.5°	3953.6	4032.8	4349.6	4666.4	4349.6	4032.8	3953.6	3368.2	2587.8	2197.5	1988.5
125°	3654.0	3727.0	4018.8	4310.6	4018.8	3727.0	3654.0	3156.8	2493.8	2162.3	1979.6
127.5°	3413.6	3475.2	3721.4	3967.6	3721.4	3475.2	3413.6	2986.7	2417.4	2132.8	1974.4
130°	3261.8	3318.7	3546.1	3773.6	3546.1	3318.7	3261.8	2881.8	2375.0	2121.6	1977.6
132.5°	3132.5	3183.5	3387.1	3590.8	3387.1	3183.5	3132.5	2792.2	2338.6	2111.7	1979.6
135°	2949.7	2993.6	3169.1	3344.8	3169.1	2993.6	2949.7	2664.8	2284.9	2094.9	1977.8
137.5°	2814.7	2850.6	2994.4	3138.1	2994.4	2850.6	2814.7	2573.8	2252.7	2092.1	1989.9
140°	2706.4	2740.0	2874.4	3008.8	2874.4	2740.0	2706.4	2498.3	2220.9	2082.2	1991.9
142.5°	2630.6	2659.5	2775.0	2890.6	2775.0	2659.5	2630.6	2447.8	2204.1	2082.2	1999.1
145°	2516.6	2538.5	2626.0	2713.5	2626.0	2538.5	2516.6	2367.2	2167.9	2068.2	1999.1
147.5°	2421.0	2439.1	2511.6	2584.1	2511.6	2439.1	2421.0	2303.5	2146.6	2068.2	2012.9
150°	2366.2	2380.8	2439.7	2498.4	2439.7	2380.8	2366.2	2266.9	2134.5	2068.2	2020.0
152.5°	2322.6	2333.8	2378.1	2422.5	2378.1	2333.8	2322.6	2237.8	2124.8	2068.2	2024.8
155°	2270.6	2277.9	2307.3	2336.7	2307.3	2277.9	2270.6	2203.2	2113.2	2068.2	2035.1
157.5°	2225.6	2230.8	2251.4	2272.0	2251.4	2230.8	2225.6	2173.1	2103.1	2068.2	2045.4
160°	2203.2	2206.1	2218.0	2229.9	2218.0	2206.1	2203.2	2158.2	2098.2	2068.2	2050.1
162.5°	2182.1	2184.9	2196.1	2207.3	2196.1	2184.9	2182.1	2144.1	2093.5	2068.2	2055.1
165°	2149.7	2152.7	2164.5	2176.5	2164.5	2152.7	2149.7	2122.5	2086.3	2068.2	2062.2
167.5°	2135.6	2136.9	2141.9	2146.9	2141.9	2136.9	2135.6	2117.8	2094.1	2082.2	2077.3
170°	2135.6	2135.6	2135.6	2135.6	2135.6	2135.6	2135.6	2117.8	2094.1	2082.2	2081.9
172.5°	2124.4	2123.3	2118.9	2114.5	2118.9	2123.3	2124.4	2110.4	2091.6	2082.2	2082.2
175°	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9	2100.1	2088.2	2082.2	2085.0
177.5°	2106.1	2104.9	2099.9	2094.9	2099.9	2104.9	2106.1	2099.1	2089.7	2085.0	2087.2
180°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3745.6	3763.6	3774.3	3788.7	3824.6
5°	3602.2	3670.3	3691.9	3745.6	3810.3
7.5°	3286.5	3494.6	3551.9	3681.1	3781.5
10°	2981.4	3189.5	3290.0	3594.9	3745.6
12.5°	2827.2	2949.2	3017.4	3444.3	3695.4
15°	2730.3	2816.4	2866.6	3243.4	3638.0
17.5°	2654.9	2715.9	2751.9	3046.0	3559.1
20°	2608.3	2637.0	2669.3	2902.5	3469.4
22.5°	2576.0	2558.1	2583.2	2802.1	3347.4
25°	2554.5	2486.4	2515.1	2723.2	3203.9
27.5°	2572.5	2421.8	2432.5	2651.4	3053.2
30°	2576.0	2342.8	2346.4	2576.0	2884.6
32.5°	2550.9	2260.3	2263.9	2482.8	2694.4
35°	2489.9	2163.4	2159.9	2375.1	2436.2
37.5°	2407.4	2059.4	2059.4	2256.7	2152.7
40°	2307.0	1955.3	1966.1	2102.4	1901.6
42.5°	2185.0	1844.1	1858.5	1897.9	1715.0
45°	2052.2	1736.5	1747.2	1603.8	1571.5
47.5°	1905.1	1625.3	1628.8	1331.0	1524.8
50°	1729.3	1510.4	1496.1	1141.0	1521.2
52.5°	1575.1	1384.9	1341.8	1033.2	1381.3
55°	1424.4	1252.1	1158.9	950.8	1280.8
57.5°	1291.6	1079.9	990.2	853.9	1259.4
60°	1169.6	911.3	843.2	749.8	1155.3
62.5°	1069.2	785.8	771.4	678.1	1047.6
65°	961.6	699.6	696.1	617.1	889.8
67.5°	857.5	642.2	638.6	559.7	678.1
70°	746.3	581.2	574.1	498.7	502.3
72.5°	631.4	513.0	505.9	448.5	416.2
75°	516.7	434.1	430.5	391.0	337.3
77.5°	405.4	344.4	351.6	315.7	247.6
80°	290.6	251.2	258.3	226.0	186.6
82.5°	193.7	165.0	172.3	143.5	125.5
85°	107.6	93.3	96.9	75.3	57.4
87.5°	50.2	43.1	43.1	28.7	17.9
90°	61.8	39.4	36.6	25.3	14.0
92.5°	381.5	271.4	247.5	151.8	56.2
95°	938.7	528.6	484.9	309.9	135.0
97.5°	1264.4	580.7	542.1	387.7	233.4
100°	1383.0	624.3	589.3	449.3	309.3
102.5°	1437.4	667.8	635.2	504.6	374.0
105°	1477.7	732.5	704.8	594.2	483.6
107.5°	1485.2	828.1	802.3	699.2	596.1
110°	1473.9	881.5	858.3	765.1	672.1



TEST NUMBER: P935655  
 CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-12-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1474.3	946.2	924.0	835.3	746.6
115°	1488.0	1043.2	1022.7	940.8	859.0
117.5°	1515.6	1137.4	1118.9	1044.5	970.2
120°	1538.1	1192.3	1174.8	1104.7	1034.8
122.5°	1570.5	1256.9	1239.3	1168.7	1098.1
125°	1614.1	1339.9	1323.8	1259.4	1195.1
127.5°	1657.6	1420.0	1403.8	1338.8	1273.8
130°	1689.5	1473.4	1456.0	1386.0	1316.0
132.5°	1715.3	1517.0	1499.6	1429.5	1359.6
135°	1743.4	1567.6	1551.7	1488.0	1424.3
137.5°	1785.5	1632.3	1616.5	1553.4	1490.3
140°	1811.3	1675.9	1661.3	1603.2	1545.1
142.5°	1832.9	1708.2	1694.8	1641.1	1587.3
145°	1861.0	1757.5	1745.8	1698.9	1652.0
147.5°	1902.3	1819.3	1807.9	1762.3	1716.6
150°	1923.8	1851.7	1841.4	1800.1	1758.8
152.5°	1937.9	1872.8	1865.0	1833.7	1802.4
155°	1968.8	1919.1	1913.3	1890.2	1867.1
157.5°	1999.8	1965.6	1959.9	1937.4	1915.0
160°	2013.8	1986.6	1982.3	1964.7	1947.3
162.5°	2028.8	2009.1	2005.8	1992.7	1979.6
165°	2050.4	2041.4	2038.4	2026.6	2014.7
167.5°	2067.2	2059.7	2058.3	2052.7	2047.1
170°	2081.2	2080.8	2079.4	2073.8	2068.2
172.5°	2082.2	2082.2	2082.0	2080.7	2079.4
175°	2090.7	2094.9	2094.9	2094.9	2094.9
177.5°	2091.6	2094.9	2094.9	2094.9	2094.9
180°	2094.9	2094.9	2094.9	2094.9	2094.9



TEST NUMBER: P935655  
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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	12.58	13.37	13.60	14.41	15.79	15.43	16.23	16.45	17.26	18.64
	3H	13.05	13.76	14.09	14.80	16.20	16.78	17.49	17.81	18.53	19.93
	4H	13.24	13.91	14.29	14.96	16.36	17.22	17.90	18.27	18.94	20.35
	6H	13.36	13.98	14.41	15.02	16.44	17.51	18.13	18.57	19.18	20.60
	8H	13.35	13.94	14.41	15.01	16.42	17.59	18.18	18.65	19.24	20.65
	12H	13.32	13.88	14.39	14.94	16.38	17.63	18.19	18.69	19.24	20.68
4H	2H	13.61	14.28	14.66	15.33	16.73	15.83	16.51	16.88	17.55	18.96
	3H	14.63	15.19	15.69	16.26	17.68	17.34	17.90	18.40	18.97	20.39
	4H	14.90	15.42	15.97	16.48	17.92	17.87	18.38	18.93	19.44	20.89
	6H	15.02	15.47	16.10	16.55	17.99	18.23	18.68	19.31	19.76	21.20
	8H	15.03	15.44	16.10	16.52	17.97	18.34	18.75	19.42	19.83	21.28
	12H	14.99	15.37	16.09	16.46	17.91	18.40	18.77	19.49	19.86	21.32
8H	4H	15.36	15.77	16.43	16.84	18.30	17.99	18.40	19.06	19.48	20.93
	6H	15.61	15.95	16.71	17.07	18.52	18.42	18.77	19.52	19.88	21.33
	8H	15.66	15.95	16.76	17.06	18.53	18.58	18.88	19.69	19.98	21.45
	12H	15.64	15.90	16.75	17.00	18.51	18.68	18.94	19.79	20.04	21.55
12H	4H	15.36	15.73	16.45	16.82	18.28	17.95	18.32	19.04	19.41	20.87
	6H	15.68	15.97	16.78	17.08	18.55	18.42	18.72	19.53	19.82	21.29
	8H	15.74	16.00	16.85	17.10	18.61	18.58	18.85	19.69	19.94	21.45