

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: P935781

Luminaire Tested: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-5000K

Issue Date: 12/17/2024

**Test Information**

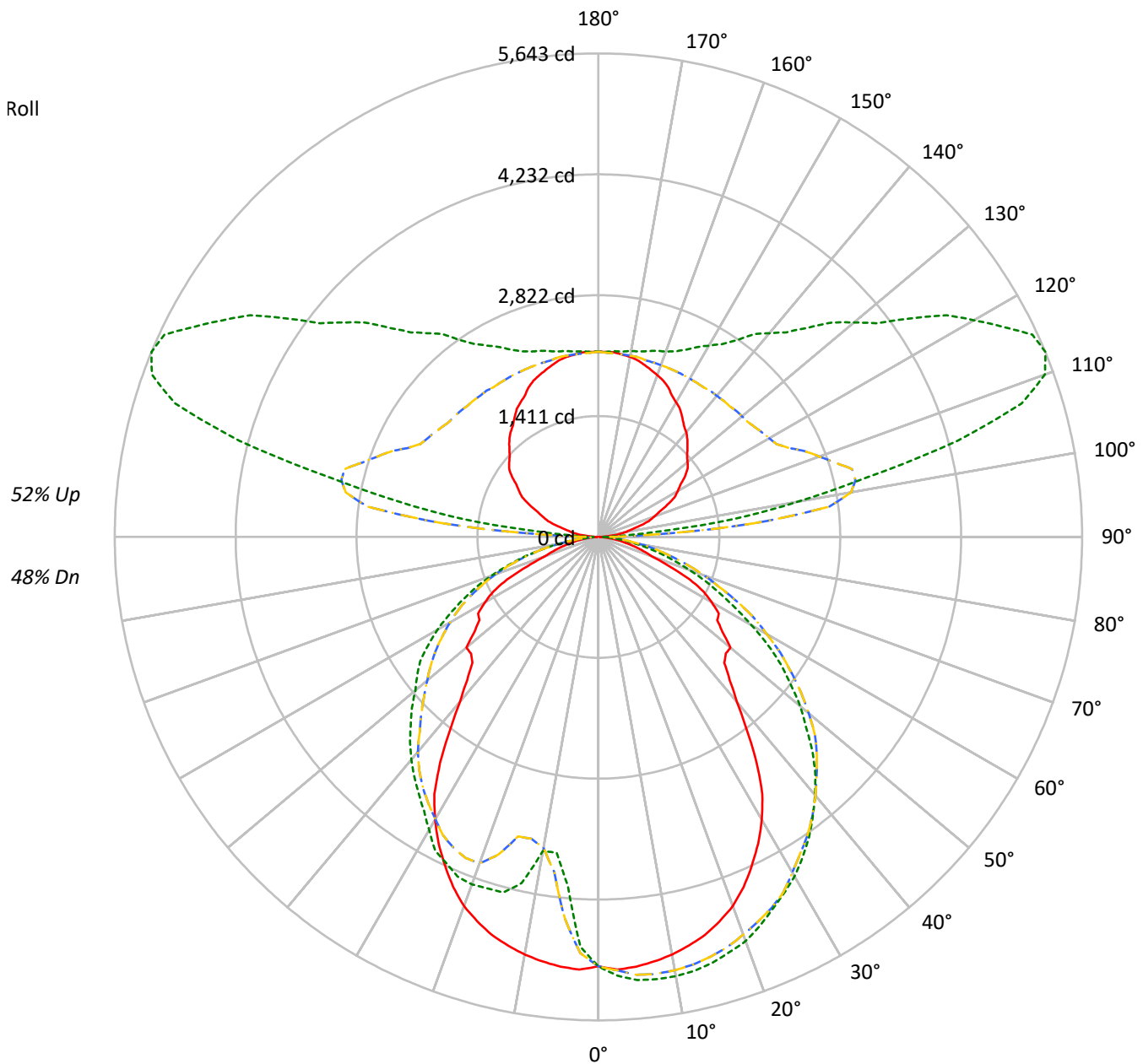
Test Method: LM-79-2019  
Report Number: P935781  
REPORT IS A COMBINATION OF REPORTS P933765 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27015.9 lumens  
Efficiency: N/A  
Efficacy: 119.8 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): 225.6  
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-125D-B2750-1D-UNV-STD-W-12-5000K

### 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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12

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

	0°	90°	180°	270°
0°	15502	15502	15502	15502
5°	15623	15649	15623	12305
10°	15525	15414	15525	11020
15°	15362	15081	15362	12592
20°	15047	14685	15047	12619
25°	14395	14108	14395	12351
30°	13550	13629	13550	11765
35°	12086	13023	12086	11119
40°	10076	12309	10076	10632
45°	9009	11474	9009	10071
50°	9579	10479	9579	9508
55°	9021	9406	9021	9183
60°	9311	7988	9311	8411
65°	8455	6604	8455	7381
70°	5869	5262	5869	6188
75°	5166	3890	5166	4658
80°	4194	2572	4194	2801
85°	2456	1362	2456	1158

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13799 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.4	1.7
10°-20°	1284.5	4.8
20°-30°	1985.6	7.3
30°-40°	2370.4	8.8
40°-50°	2384.3	8.8
50°-60°	2074.6	7.7
60°-70°	1470.9	5.4
70°-80°	778.2	2.9
80°-90°	202.1	0.7
90°-100°	1053.7	3.9
100°-110°	2770.2	10.3
110°-120°	2872.4	10.6
120°-130°	2304.0	8.5
130°-140°	1807.8	6.7
140°-150°	1387.6	5.1
150°-160°	999.3	3.7
160°-170°	611.4	2.3
170°-180°	206.6	0.8
0°-30°	3722.5	13.8
0°-40°	6092.9	22.6
0°-60°	10551.8	39.1
0°-90°	13003.0	48.1
90°-120°	6696.3	24.8
90°-150°	12195.7	45.1
90°-180°	14013.0	51.9
0°-180°	27015.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5012	5012	5012	5012	5012	
5°	5036	5192	5036	4082	5036	478
15°	4808	5145	4808	4296	4808	1353
25°	4234	4798	4234	4201	4234	1944
35°	3220	4282	3220	3656	3220	1992
45°	2077	3528	2077	3096	2077	1664
55°	1693	2603	1693	2542	1693	1555
65°	1176	1570	1176	1754	1176	1124
75°	446	744	446	891	446	469
85°	76	190	76	161	76	102
90°	14	55	14	55	14	15
95°	139	637	139	637	139	155
105°	499	4338	499	4338	499	529
115°	886	5585	886	5585	886	876
125°	1233	4448	1233	4448	1233	1095
135°	1470	3451	1470	3451	1470	1137
145°	1705	2800	1705	2800	1705	1068
155°	1927	2411	1927	2411	1927	885
165°	2079	2246	2079	2246	2079	587
175°	2162	2176	2162	2176	2162	205
180°	2162	2162	2162	2162	2162	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5054.5	5054.5	5082.9	5092.4	5092.4	5078.2	5064.0	5078.2	5120.8	5135.1	5130.4
5°	5035.5	5073.5	5125.6	5135.1	5144.6	5139.8	5130.4	5139.8	5187.2	5196.8	5201.4
7.5°	4997.6	5068.7	5135.1	5149.3	5163.5	5149.3	5144.6	5154.1	5201.4	5211.0	5211.0
10°	4950.2	5049.8	5125.6	5135.1	5149.3	5135.1	5135.1	5154.1	5201.4	5211.0	5215.7
12.5°	4883.8	5021.3	5092.4	5101.9	5120.8	5116.1	5111.4	5130.4	5177.7	5187.2	5187.2
15°	4808.0	4969.2	5035.5	5045.0	5078.2	5068.7	5068.7	5087.7	5139.8	5154.1	5149.3
17.5°	4703.6	4902.8	4978.6	4992.9	5016.5	5011.8	5016.5	5035.5	5082.9	5092.4	5097.1
20°	4585.1	4812.6	4902.8	4916.9	4940.7	4940.7	4940.7	4964.4	5011.8	5030.8	5030.8
22.5°	4423.9	4717.8	4812.6	4822.1	4850.6	4850.6	4860.1	4893.2	4935.9	4940.7	4940.7
25°	4234.2	4613.5	4694.1	4722.6	4751.1	4765.3	4779.5	4798.4	4812.6	4808.0	4812.6
27.5°	4035.1	4480.8	4585.1	4604.1	4642.0	4656.2	4675.1	4679.9	4684.7	4698.9	4689.4
30°	3812.2	4295.8	4452.3	4471.2	4532.9	4542.4	4523.5	4532.9	4556.6	4566.1	4575.6
32.5°	3560.9	4020.9	4314.8	4357.5	4414.4	4386.0	4381.2	4395.4	4433.3	4433.3	4442.9
35°	3219.5	3807.5	4186.7	4224.7	4267.4	4234.2	4253.2	4257.9	4281.6	4295.8	4291.1
37.5°	2845.0	3622.5	4054.0	4082.5	4115.7	4073.0	4101.5	4115.7	4134.6	4125.1	4125.1
40°	2513.0	3333.3	3897.6	3916.5	3944.9	3911.8	3940.3	3949.7	3959.2	3949.7	3944.9
42.5°	2266.4	3015.6	3731.6	3755.3	3736.4	3760.0	3769.5	3788.5	3774.3	3755.3	3755.3
45°	2076.7	2930.2	3551.4	3579.8	3551.4	3589.4	3603.6	3603.6	3560.9	3551.4	3546.7
47.5°	2015.2	2759.6	3371.3	3371.3	3357.0	3404.4	3428.2	3394.9	3352.3	3338.0	3338.0
50°	2010.4	2569.9	3124.7	3105.7	3172.1	3229.0	3205.3	3172.1	3138.9	3086.8	3086.8
52.5°	1825.5	2337.6	2807.0	2878.1	2982.4	3015.6	2977.7	2944.5	2887.6	2863.9	2845.0
55°	1692.7	2095.8	2517.8	2660.0	2769.0	2811.7	2740.6	2707.4	2622.1	2607.8	2598.4
57.5°	1664.3	1744.9	2252.2	2432.4	2565.1	2560.5	2517.8	2456.1	2385.0	2370.8	2366.0
60°	1526.8	1261.3	1967.8	2181.1	2318.7	2304.4	2266.4	2209.6	2143.2	2133.7	2124.2
62.5°	1384.6	915.1	1645.3	1887.1	2081.5	2076.7	2043.6	1958.2	1910.9	1887.1	1868.2
65°	1175.9	768.1	1171.1	1569.5	1849.2	1858.7	1787.6	1725.9	1673.7	1645.3	1640.6
67.5°	896.2	625.9	791.8	1308.6	1626.4	1616.8	1526.8	1498.3	1431.9	1417.7	1389.2
70°	663.8	417.2	550.0	1062.1	1408.2	1384.6	1313.4	1280.2	1218.6	1185.3	1166.4
72.5°	550.0	336.6	403.0	825.0	1185.3	1156.9	1095.3	1057.4	1005.2	976.8	957.8
75°	445.7	355.6	308.2	611.7	962.5	943.5	886.6	848.7	806.0	768.1	772.9
77.5°	327.2	331.9	246.6	450.5	763.4	735.0	701.7	654.4	635.4	597.5	597.5
80°	246.6	260.8	184.9	308.2	550.0	550.0	521.5	488.4	455.2	436.2	436.2
82.5°	166.0	166.0	137.5	194.4	374.6	360.3	341.4	331.9	313.0	303.5	303.5
85°	75.8	94.8	85.4	118.5	203.9	213.3	213.3	203.9	199.1	189.7	194.4
87.5°	23.7	42.7	52.1	66.4	104.3	109.1	113.8	113.8	113.8	118.5	118.5
90°	14.5	26.1	37.7	40.6	63.8	94.7	110.2	98.0	73.5	55.1	55.1
92.5°	58.0	156.6	255.4	280.0	393.7	545.2	620.9	544.1	390.7	275.6	264.7
95°	139.3	319.8	500.3	545.5	968.6	1532.8	1814.9	1619.5	1228.8	935.8	902.5
97.5°	240.8	400.0	559.4	599.2	1304.7	2245.4	2715.8	2592.3	2345.4	2160.2	2096.9
100°	319.1	463.6	608.0	644.2	1427.1	2471.0	2992.9	3002.0	3020.0	3033.5	2958.3
102.5°	385.9	520.7	655.4	689.1	1483.2	2541.9	3071.3	3228.6	3543.2	3779.2	3714.8
105°	499.0	613.2	727.3	755.9	1524.8	2549.9	3062.5	3415.2	4120.6	4649.6	4615.0
107.5°	615.1	721.5	827.9	854.5	1532.5	2436.5	2888.5	3380.4	4364.3	5102.3	5110.7
110°	693.5	789.5	885.6	909.6	1520.8	2335.8	2743.3	3293.4	4393.3	5218.4	5254.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	770.4	861.9	953.4	976.3	1521.3	2248.0	2611.4	3174.3	4300.0	5144.4	5199.9
115°	886.4	970.8	1055.3	1076.4	1535.4	2147.3	2453.2	2995.5	4080.0	4893.4	4970.3
117.5°	1001.1	1077.7	1154.5	1173.7	1563.9	2084.2	2344.4	2833.8	3812.6	4546.6	4631.9
120°	1067.7	1139.9	1212.2	1230.3	1587.1	2063.0	2300.9	2748.1	3642.4	4313.1	4396.0
122.5°	1133.0	1205.9	1278.7	1297.0	1620.5	2051.9	2267.6	2670.2	3475.5	4079.5	4161.3
125°	1233.2	1299.6	1366.0	1382.6	1665.5	2042.7	2231.2	2573.3	3257.4	3770.5	3845.7
127.5°	1314.4	1381.5	1448.5	1465.3	1710.4	2037.3	2200.8	2494.4	3081.8	3522.4	3585.9
130°	1357.9	1430.1	1502.3	1520.4	1743.3	2040.6	2189.2	2450.6	2973.6	3365.8	3424.4
132.5°	1402.9	1475.1	1547.4	1565.4	1769.9	2042.7	2179.0	2413.1	2881.2	3232.3	3284.9
135°	1469.6	1535.4	1601.2	1617.6	1799.0	2040.8	2161.6	2357.7	2749.7	3043.7	3089.0
137.5°	1537.8	1602.9	1668.0	1684.3	1842.4	2053.3	2158.8	2324.4	2655.8	2904.4	2941.4
140°	1594.3	1654.3	1714.3	1729.3	1869.0	2055.4	2148.6	2291.7	2577.9	2792.7	2827.3
142.5°	1637.9	1693.3	1748.8	1762.6	1891.3	2062.8	2148.6	2274.3	2525.8	2714.4	2744.2
145°	1704.6	1753.0	1801.4	1813.5	1920.3	2062.8	2134.1	2236.9	2442.6	2596.8	2619.4
147.5°	1771.3	1818.4	1865.5	1877.2	1962.9	2077.0	2134.1	2215.0	2376.8	2498.2	2516.8
150°	1814.9	1857.4	1900.0	1910.7	1985.1	2084.4	2134.1	2202.5	2339.1	2441.6	2456.7
152.5°	1859.9	1892.1	1924.4	1932.4	1999.7	2089.3	2134.1	2192.5	2309.1	2396.6	2408.1
155°	1926.6	1950.5	1974.3	1980.3	2031.5	2099.9	2134.1	2180.5	2273.4	2342.9	2350.5
157.5°	1976.0	1999.1	2022.4	2028.2	2063.5	2110.6	2134.1	2170.1	2242.3	2296.5	2301.8
160°	2009.3	2027.3	2045.5	2049.9	2078.0	2115.4	2134.1	2165.0	2226.9	2273.4	2276.4
162.5°	2042.7	2056.2	2069.7	2073.1	2093.5	2120.6	2134.1	2160.2	2212.5	2251.6	2254.5
165°	2078.9	2091.1	2103.4	2106.5	2115.7	2127.9	2134.1	2152.8	2190.1	2218.2	2221.2
167.5°	2112.3	2118.1	2123.9	2125.3	2133.1	2143.4	2148.6	2160.8	2185.3	2203.7	2205.0
170°	2134.1	2139.9	2145.7	2147.1	2147.5	2148.2	2148.6	2160.8	2185.3	2203.7	2203.7
172.5°	2145.7	2147.0	2148.3	2148.6	2148.6	2148.6	2148.6	2158.3	2177.6	2192.1	2191.0
175°	2161.6	2161.6	2161.6	2161.6	2157.3	2151.5	2148.6	2154.7	2167.0	2176.1	2176.1
177.5°	2161.6	2161.6	2161.6	2161.6	2158.3	2153.7	2151.5	2156.3	2165.9	2173.2	2171.9
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5139.8	5125.6	5139.8	5130.4	5135.1	5120.8	5078.2	5064.0	5078.2	5092.4	5092.4
5°	5201.4	5192.0	5201.4	5201.4	5196.8	5187.2	5139.8	5130.4	5139.8	5144.6	5135.1
7.5°	5220.4	5206.2	5220.4	5211.0	5211.0	5201.4	5154.1	5144.6	5149.3	5163.5	5149.3
10°	5220.4	5206.2	5220.4	5215.7	5211.0	5201.4	5154.1	5135.1	5135.1	5149.3	5135.1
12.5°	5196.8	5187.2	5196.8	5187.2	5187.2	5177.7	5130.4	5111.4	5116.1	5120.8	5101.9
15°	5158.8	5144.6	5158.8	5149.3	5154.1	5139.8	5087.7	5068.7	5068.7	5078.2	5045.0
17.5°	5101.9	5082.9	5101.9	5097.1	5092.4	5082.9	5035.5	5016.5	5011.8	5016.5	4992.9
20°	5035.5	5021.3	5035.5	5030.8	5030.8	5011.8	4964.4	4940.7	4940.7	4940.7	4916.9
22.5°	4931.2	4916.9	4931.2	4940.7	4940.7	4935.9	4893.2	4860.1	4850.6	4850.6	4822.1
25°	4812.6	4798.4	4812.6	4812.6	4808.0	4812.6	4798.4	4779.5	4765.3	4751.1	4722.6
27.5°	4698.9	4689.4	4698.9	4689.4	4698.9	4684.7	4679.9	4675.1	4656.2	4642.0	4604.1
30°	4585.1	4575.6	4585.1	4575.6	4566.1	4556.6	4532.9	4523.5	4542.4	4532.9	4471.2
32.5°	4442.9	4433.3	4442.9	4442.9	4433.3	4433.3	4395.4	4381.2	4386.0	4414.4	4357.5
35°	4295.8	4281.6	4295.8	4291.1	4295.8	4281.6	4257.9	4253.2	4234.2	4267.4	4224.7
37.5°	4125.1	4110.9	4125.1	4125.1	4125.1	4134.6	4115.7	4101.5	4073.0	4115.7	4082.5
40°	3949.7	3930.7	3949.7	3944.9	3949.7	3959.2	3949.7	3940.3	3911.8	3944.9	3916.5
42.5°	3750.6	3745.8	3750.6	3755.3	3755.3	3774.3	3788.5	3769.5	3760.0	3736.4	3755.3
45°	3537.2	3527.7	3537.2	3546.7	3551.4	3560.9	3603.6	3603.6	3589.4	3551.4	3579.8
47.5°	3309.6	3285.9	3309.6	3338.0	3338.0	3352.3	3394.9	3428.2	3404.4	3357.0	3371.3
50°	3067.8	3072.5	3067.8	3086.8	3086.8	3138.9	3172.1	3205.3	3229.0	3172.1	3105.7
52.5°	2830.7	2826.0	2830.7	2845.0	2863.9	2887.6	2944.5	2977.7	3015.6	2982.4	2878.1
55°	2593.6	2603.2	2593.6	2598.4	2607.8	2622.1	2707.4	2740.6	2811.7	2769.0	2660.0
57.5°	2356.6	2342.3	2356.6	2366.0	2370.8	2385.0	2456.1	2517.8	2560.5	2565.1	2432.4
60°	2081.5	2062.6	2081.5	2124.2	2133.7	2143.2	2209.6	2266.4	2304.4	2318.7	2181.1
62.5°	1839.7	1806.5	1839.7	1868.2	1887.1	1910.9	1958.2	2043.6	2076.7	2081.5	1887.1
65°	1583.7	1569.5	1583.7	1640.6	1645.3	1673.7	1725.9	1787.6	1858.7	1849.2	1569.5
67.5°	1351.3	1351.3	1351.3	1389.2	1417.7	1431.9	1498.3	1526.8	1616.8	1626.4	1308.6
70°	1138.0	1133.2	1138.0	1166.4	1185.3	1218.6	1280.2	1313.4	1384.6	1408.2	1062.1
72.5°	934.1	929.3	934.1	957.8	976.8	1005.2	1057.4	1095.3	1156.9	1185.3	825.0
75°	753.9	744.4	753.9	772.9	768.1	806.0	848.7	886.6	943.5	962.5	611.7
77.5°	578.4	578.4	578.4	597.5	597.5	635.4	654.4	701.7	735.0	763.4	450.5
80°	431.5	426.7	431.5	436.2	436.2	455.2	488.4	521.5	550.0	550.0	308.2
82.5°	303.5	293.9	303.5	303.5	303.5	313.0	331.9	341.4	360.3	374.6	194.4
85°	189.7	189.7	189.7	194.4	189.7	199.1	203.9	213.3	213.3	203.9	118.5
87.5°	123.3	118.5	123.3	118.5	118.5	113.8	113.8	113.8	109.1	104.3	66.4
90°	55.1	55.1	55.1	55.1	55.1	73.5	98.0	110.2	94.7	63.8	40.6
92.5°	220.8	177.0	220.8	264.7	275.6	390.7	544.1	620.9	545.2	393.7	280.0
95°	769.7	636.9	769.7	902.5	935.8	1228.8	1619.5	1814.9	1532.8	968.6	545.5
97.5°	1844.2	1591.4	1844.2	2096.9	2160.2	2345.4	2592.3	2715.8	2245.4	1304.7	599.2
100°	2657.1	2356.0	2657.1	2958.3	3033.5	3020.0	3002.0	2992.9	2471.0	1427.1	644.2
102.5°	3456.8	3199.0	3456.8	3714.8	3779.2	3543.2	3228.6	3071.3	2541.9	1483.2	689.1
105°	4476.4	4337.8	4476.4	4615.0	4649.6	4120.6	3415.2	3062.5	2549.9	1524.8	755.9
107.5°	5144.2	5177.7	5144.2	5110.7	5102.3	4364.3	3380.4	2888.5	2436.5	1532.5	854.5
110°	5398.9	5543.3	5398.9	5254.5	5218.4	4393.3	3293.4	2743.3	2335.8	1520.8	909.6





TEST NUMBER: P935781

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5421.6	5643.4	5421.6	5199.9	5144.4	4300.0	3174.3	2611.4	2248.0	1521.3	976.3
115°	5277.8	5585.4	5277.8	4970.3	4893.4	4080.0	2995.5	2453.2	2147.3	1535.4	1076.4
117.5°	4973.0	5314.1	4973.0	4631.9	4546.6	3812.6	2833.8	2344.4	2084.2	1563.9	1173.7
120°	4727.3	5058.7	4727.3	4396.0	4313.1	3642.4	2748.1	2300.9	2063.0	1587.1	1230.3
122.5°	4488.2	4815.1	4488.2	4161.3	4079.5	3475.5	2670.2	2267.6	2051.9	1620.5	1297.0
125°	4146.9	4448.0	4146.9	3845.7	3770.5	3257.4	2573.3	2231.2	2042.7	1665.5	1382.6
127.5°	3840.0	4094.0	3840.0	3585.9	3522.4	3081.8	2494.4	2200.8	2037.3	1710.4	1465.3
130°	3659.1	3893.8	3659.1	3424.4	3365.8	2973.6	2450.6	2189.2	2040.6	1743.3	1520.4
132.5°	3495.0	3705.2	3495.0	3284.9	3232.3	2881.2	2413.1	2179.0	2042.7	1769.9	1565.4
135°	3270.1	3451.3	3270.1	3089.0	3043.7	2749.7	2357.7	2161.6	2040.8	1799.0	1617.6
137.5°	3089.8	3238.1	3089.8	2941.4	2904.4	2655.8	2324.4	2158.8	2053.3	1842.4	1684.3
140°	2966.0	3104.6	2966.0	2827.3	2792.7	2577.9	2291.7	2148.6	2055.4	1869.0	1729.3
142.5°	2863.5	2982.7	2863.5	2744.2	2714.4	2525.8	2274.3	2148.6	2062.8	1891.3	1762.6
145°	2709.6	2799.9	2709.6	2619.4	2596.8	2442.6	2236.9	2134.1	2062.8	1920.3	1813.5
147.5°	2591.7	2666.5	2591.7	2516.8	2498.2	2376.8	2215.0	2134.1	2077.0	1962.9	1877.2
150°	2517.4	2578.0	2517.4	2456.7	2441.6	2339.1	2202.5	2134.1	2084.4	1985.1	1910.7
152.5°	2453.9	2499.7	2453.9	2408.1	2396.6	2309.1	2192.5	2134.1	2089.3	1999.7	1932.4
155°	2380.9	2411.1	2380.9	2350.5	2342.9	2273.4	2180.5	2134.1	2099.9	2031.5	1980.3
157.5°	2323.1	2344.4	2323.1	2301.8	2296.5	2242.3	2170.1	2134.1	2110.6	2063.5	2028.2
160°	2288.7	2300.9	2288.7	2276.4	2273.4	2226.9	2165.0	2134.1	2115.4	2078.0	2049.9
162.5°	2266.1	2277.7	2266.1	2254.5	2251.6	2212.5	2160.2	2134.1	2120.6	2093.5	2073.1
165°	2233.5	2245.8	2233.5	2221.2	2218.2	2190.1	2152.8	2134.1	2127.9	2115.7	2106.5
167.5°	2210.1	2215.3	2210.1	2205.0	2203.7	2185.3	2160.8	2148.6	2143.4	2133.1	2125.3
170°	2203.7	2203.7	2203.7	2203.7	2203.7	2185.3	2160.8	2148.6	2148.2	2147.5	2147.1
172.5°	2186.4	2181.9	2186.4	2191.0	2192.1	2177.6	2158.3	2148.6	2148.6	2148.6	2148.6
175°	2176.1	2176.1	2176.1	2176.1	2176.1	2167.0	2154.7	2148.6	2151.5	2157.3	2161.6
177.5°	2166.8	2161.6	2166.8	2171.9	2173.2	2165.9	2156.3	2151.5	2153.7	2158.3	2161.6
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



TEST NUMBER: P935781

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	5082.9	5054.5	5054.5	5007.1	4988.1	4973.9	4950.2	4879.0	4860.1	4841.1	4869.6
5°	5125.6	5073.5	5035.5	4950.2	4879.0	4850.6	4760.5	4589.8	4476.0	4390.6	4343.3
7.5°	5135.1	5068.7	4997.6	4864.8	4694.1	4618.3	4343.3	4030.3	3944.9	3869.1	3821.6
10°	5125.6	5049.8	4950.2	4751.1	4348.0	4215.2	3940.3	3736.4	3684.2	3670.0	3684.2
12.5°	5092.4	5021.3	4883.8	4551.8	3987.6	3897.6	3736.4	3617.8	3608.3	3632.0	3760.0
15°	5035.5	4969.2	4808.0	4286.3	3788.5	3722.1	3608.3	3565.6	3617.8	3783.7	4167.8
17.5°	4978.6	4902.8	4703.6	4025.5	3636.8	3589.4	3508.8	3594.1	3888.1	4110.9	4239.0
20°	4902.8	4812.6	4585.1	3835.9	3527.7	3485.0	3447.1	3831.2	4054.0	4134.6	4205.7
22.5°	4812.6	4717.8	4423.9	3703.1	3414.0	3380.7	3404.4	3963.9	4054.0	4110.9	4172.6
25°	4694.1	4613.5	4234.2	3598.8	3323.8	3285.9	3375.9	3949.7	4001.8	4016.1	4139.4
27.5°	4585.1	4480.8	4035.1	3504.0	3214.7	3200.5	3399.7	3888.1	3926.0	3940.3	4073.0
30°	4452.3	4295.8	3812.2	3404.4	3101.0	3096.2	3404.4	3812.2	3802.7	3840.6	3973.4
32.5°	4314.8	4020.9	3560.9	3281.1	2991.9	2987.2	3371.3	3698.4	3688.9	3741.0	3840.6
35°	4186.7	3807.5	3219.5	3138.9	2854.4	2859.2	3290.7	3565.6	3570.4	3617.8	3679.4
37.5°	4054.0	3622.5	2845.0	2982.4	2721.7	2721.7	3181.6	3442.4	3432.9	3447.1	3532.5
40°	3897.6	3333.3	2513.0	2778.6	2598.4	2584.1	3048.9	3309.6	3276.4	3271.7	3390.2
42.5°	3731.6	3015.6	2266.4	2508.3	2456.1	2437.2	2887.6	3148.4	3086.8	3101.0	3252.7
45°	3551.4	2930.2	2076.7	2119.4	2309.1	2294.9	2712.1	2963.5	2920.8	2958.7	3115.2
47.5°	3371.3	2759.6	2015.2	1759.1	2152.7	2147.9	2517.8	2783.3	2759.6	2797.5	2963.5
50°	3124.7	2569.9	2010.4	1507.8	1977.2	1996.1	2285.4	2607.8	2607.8	2641.1	2816.5
52.5°	2807.0	2337.6	1825.5	1365.6	1773.3	1830.3	2081.5	2456.1	2465.6	2498.8	2655.3
55°	2517.8	2095.8	1692.7	1256.5	1531.5	1654.8	1882.4	2299.6	2318.7	2351.8	2494.1
57.5°	2252.2	1744.9	1664.3	1128.5	1308.6	1427.2	1707.0	2147.9	2157.4	2185.8	2323.3
60°	1967.8	1261.3	1526.8	991.0	1114.3	1204.4	1545.8	1967.8	2000.9	2019.9	2138.4
62.5°	1645.3	915.1	1384.6	896.2	1019.5	1038.4	1413.0	1797.0	1839.7	1853.9	1925.1
65°	1171.1	768.1	1175.9	815.6	919.9	924.6	1270.7	1621.6	1659.5	1683.3	1735.4
67.5°	791.8	625.9	896.2	739.6	844.0	848.7	1133.2	1417.7	1469.8	1488.9	1522.0
70°	550.0	417.2	663.8	659.0	758.7	768.1	986.2	1232.8	1280.2	1294.4	1313.4
72.5°	403.0	336.6	550.0	592.7	668.6	678.1	834.5	1024.1	1071.6	1085.8	1095.3
75°	308.2	355.6	445.7	516.8	569.0	573.8	682.8	834.5	867.7	877.2	881.9
77.5°	246.6	331.9	327.2	417.2	464.7	455.2	535.8	644.8	673.3	673.3	673.3
80°	184.9	260.8	246.6	298.7	341.4	331.9	384.1	459.9	469.4	478.9	474.2
82.5°	137.5	166.0	166.0	189.7	227.6	218.1	256.0	298.7	298.7	298.7	308.2
85°	85.4	94.8	75.8	99.6	128.1	123.3	142.2	161.2	166.0	166.0	156.4
87.5°	52.1	42.7	23.7	37.9	56.9	56.9	66.4	71.1	66.4	66.4	66.4
90°	37.7	26.1	14.5	26.1	37.7	40.6	63.8	94.7	110.2	98.0	73.5
92.5°	255.4	156.6	58.0	156.6	255.4	280.0	393.7	545.2	620.9	544.1	390.7
95°	500.3	319.8	139.3	319.8	500.3	545.5	968.6	1532.8	1814.9	1619.5	1228.8
97.5°	559.4	400.0	240.8	400.0	559.4	599.2	1304.7	2245.4	2715.8	2592.3	2345.4
100°	608.0	463.6	319.1	463.6	608.0	644.2	1427.1	2471.0	2992.9	3002.0	3020.0
102.5°	655.4	520.7	385.9	520.7	655.4	689.1	1483.2	2541.9	3071.3	3228.6	3543.2
105°	727.3	613.2	499.0	613.2	727.3	755.9	1524.8	2549.9	3062.5	3415.2	4120.6
107.5°	827.9	721.5	615.1	721.5	827.9	854.5	1532.5	2436.5	2888.5	3380.4	4364.3
110°	885.6	789.5	693.5	789.5	885.6	909.6	1520.8	2335.8	2743.3	3293.4	4393.3



TEST NUMBER: P935781

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	953.4	861.9	770.4	861.9	953.4	976.3	1521.3	2248.0	2611.4	3174.3	4300.0
115°	1055.3	970.8	886.4	970.8	1055.3	1076.4	1535.4	2147.3	2453.2	2995.5	4080.0
117.5°	1154.5	1077.7	1001.1	1077.7	1154.5	1173.7	1563.9	2084.2	2344.4	2833.8	3812.6
120°	1212.2	1139.9	1067.7	1139.9	1212.2	1230.3	1587.1	2063.0	2300.9	2748.1	3642.4
122.5°	1278.7	1205.9	1133.0	1205.9	1278.7	1297.0	1620.5	2051.9	2267.6	2670.2	3475.5
125°	1366.0	1299.6	1233.2	1299.6	1366.0	1382.6	1665.5	2042.7	2231.2	2573.3	3257.4
127.5°	1448.5	1381.5	1314.4	1381.5	1448.5	1465.3	1710.4	2037.3	2200.8	2494.4	3081.8
130°	1502.3	1430.1	1357.9	1430.1	1502.3	1520.4	1743.3	2040.6	2189.2	2450.6	2973.6
132.5°	1547.4	1475.1	1402.9	1475.1	1547.4	1565.4	1769.9	2042.7	2179.0	2413.1	2881.2
135°	1601.2	1535.4	1469.6	1535.4	1601.2	1617.6	1799.0	2040.8	2161.6	2357.7	2749.7
137.5°	1668.0	1602.9	1537.8	1602.9	1668.0	1684.3	1842.4	2053.3	2158.8	2324.4	2655.8
140°	1714.3	1654.3	1594.3	1654.3	1714.3	1729.3	1869.0	2055.4	2148.6	2291.7	2577.9
142.5°	1748.8	1693.3	1637.9	1693.3	1748.8	1762.6	1891.3	2062.8	2148.6	2274.3	2525.8
145°	1801.4	1753.0	1704.6	1753.0	1801.4	1813.5	1920.3	2062.8	2134.1	2236.9	2442.6
147.5°	1865.5	1818.4	1771.3	1818.4	1865.5	1877.2	1962.9	2077.0	2134.1	2215.0	2376.8
150°	1900.0	1857.4	1814.9	1857.4	1900.0	1910.7	1985.1	2084.4	2134.1	2202.5	2339.1
152.5°	1924.4	1892.1	1859.9	1892.1	1924.4	1932.4	1999.7	2089.3	2134.1	2192.5	2309.1
155°	1974.3	1950.5	1926.6	1950.5	1974.3	1980.3	2031.5	2099.9	2134.1	2180.5	2273.4
157.5°	2022.4	1999.1	1976.0	1999.1	2022.4	2028.2	2063.5	2110.6	2134.1	2170.1	2242.3
160°	2045.5	2027.3	2009.3	2027.3	2045.5	2049.9	2078.0	2115.4	2134.1	2165.0	2226.9
162.5°	2069.7	2056.2	2042.7	2056.2	2069.7	2073.1	2093.5	2120.6	2134.1	2160.2	2212.5
165°	2103.4	2091.1	2078.9	2091.1	2103.4	2106.5	2115.7	2127.9	2134.1	2152.8	2190.1
167.5°	2123.9	2118.1	2112.3	2118.1	2123.9	2125.3	2133.1	2143.4	2148.6	2160.8	2185.3
170°	2145.7	2139.9	2134.1	2139.9	2145.7	2147.1	2147.5	2148.2	2148.6	2160.8	2185.3
172.5°	2148.3	2147.0	2145.7	2147.0	2148.3	2148.6	2148.6	2148.6	2148.6	2158.3	2177.6
175°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2157.3	2151.5	2148.6	2167.0
177.5°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2158.3	2153.7	2151.5	2165.9
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



TEST NUMBER: P935781  
 CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	4836.3	4822.1	4841.1	4789.0	4841.1	4822.1	4836.3	4869.6	4841.1	4860.1	4879.0
5°	4243.7	4220.0	4144.1	4082.5	4144.1	4220.0	4243.7	4343.3	4390.6	4476.0	4589.8
7.5°	3793.3	3774.3	3755.3	3717.4	3755.3	3774.3	3793.3	3821.6	3869.1	3944.9	4030.3
10°	3693.7	3698.4	3726.8	3722.1	3726.8	3698.4	3693.7	3684.2	3670.0	3684.2	3736.4
12.5°	3949.7	3992.4	4148.8	4139.4	4148.8	3992.4	3949.7	3760.0	3632.0	3608.3	3617.8
15°	4243.7	4257.9	4291.1	4295.8	4291.1	4257.9	4243.7	4167.8	3783.7	3617.8	3565.6
17.5°	4272.1	4276.9	4300.6	4300.6	4300.6	4276.9	4272.1	4239.0	4110.9	3888.1	3594.1
20°	4248.4	4257.9	4305.4	4314.8	4305.4	4257.9	4248.4	4205.7	4134.6	4054.0	3831.2
22.5°	4239.0	4257.9	4295.8	4291.1	4295.8	4257.9	4239.0	4172.6	4110.9	4054.0	3963.9
25°	4191.5	4191.5	4196.3	4201.0	4196.3	4191.5	4191.5	4139.4	4016.1	4001.8	3949.7
27.5°	4091.9	4101.5	4129.9	4125.1	4129.9	4101.5	4091.9	4073.0	3940.3	3926.0	3888.1
30°	4001.8	3992.4	3968.7	3949.7	3968.7	3992.4	4001.8	3973.4	3840.6	3802.7	3812.2
32.5°	3850.1	3826.4	3802.7	3788.5	3802.7	3826.4	3850.1	3840.6	3741.0	3688.9	3698.4
35°	3670.0	3674.7	3670.0	3655.8	3670.0	3674.7	3670.0	3679.4	3617.8	3570.4	3565.6
37.5°	3541.9	3551.4	3546.7	3527.7	3546.7	3551.4	3541.9	3532.5	3447.1	3432.9	3442.4
40°	3409.2	3414.0	3409.2	3394.9	3409.2	3414.0	3409.2	3390.2	3271.7	3276.4	3309.6
42.5°	3281.1	3276.4	3262.2	3252.7	3262.2	3276.4	3281.1	3252.7	3101.0	3086.8	3148.4
45°	3134.1	3138.9	3110.4	3096.2	3110.4	3138.9	3134.1	3115.2	2958.7	2920.8	2963.5
47.5°	2987.2	2987.2	2963.5	2949.2	2963.5	2987.2	2987.2	2963.5	2797.5	2759.6	2783.3
50°	2830.7	2826.0	2792.8	2788.0	2792.8	2826.0	2830.7	2816.5	2641.1	2607.8	2607.8
52.5°	2650.5	2650.5	2655.3	2664.7	2655.3	2650.5	2650.5	2655.3	2498.8	2465.6	2456.1
55°	2494.1	2498.8	2532.0	2541.5	2532.0	2498.8	2494.1	2494.1	2351.8	2318.7	2299.6
57.5°	2332.9	2332.9	2356.6	2356.6	2356.6	2332.9	2332.9	2323.3	2185.8	2157.4	2147.9
60°	2147.9	2157.4	2176.4	2171.6	2176.4	2157.4	2147.9	2138.4	2019.9	2000.9	1967.8
62.5°	1953.6	1963.0	1967.8	1958.2	1967.8	1963.0	1953.6	1925.1	1853.9	1839.7	1797.0
65°	1749.7	1759.1	1763.9	1754.3	1763.9	1759.1	1749.7	1735.4	1683.3	1659.5	1621.6
67.5°	1541.0	1536.2	1531.5	1550.4	1531.5	1536.2	1541.0	1522.0	1488.9	1469.8	1417.7
70°	1327.6	1327.6	1322.9	1332.4	1322.9	1327.6	1327.6	1313.4	1294.4	1280.2	1232.8
72.5°	1100.1	1095.3	1114.3	1100.1	1114.3	1095.3	1100.1	1095.3	1085.8	1071.6	1024.1
75°	877.2	886.6	877.2	891.4	877.2	886.6	877.2	881.9	877.2	867.7	834.5
77.5°	668.6	678.1	668.6	668.6	668.6	678.1	668.6	673.3	673.3	673.3	644.8
80°	474.2	469.4	469.4	464.7	469.4	469.4	474.2	474.2	478.9	469.4	459.9
82.5°	303.5	298.7	298.7	308.2	298.7	298.7	303.5	308.2	298.7	298.7	298.7
85°	166.0	170.7	161.2	161.2	161.2	170.7	166.0	156.4	166.0	166.0	161.2
87.5°	61.6	56.9	56.9	56.9	56.9	56.9	61.6	66.4	66.4	66.4	71.1
90°	55.1	55.1	55.1	55.1	55.1	55.1	55.1	73.5	98.0	110.2	94.7
92.5°	275.6	264.7	220.8	177.0	220.8	264.7	275.6	390.7	544.1	620.9	545.2
95°	935.8	902.5	769.7	636.9	769.7	902.5	935.8	1228.8	1619.5	1814.9	1532.8
97.5°	2160.2	2096.9	1844.2	1591.4	1844.2	2096.9	2160.2	2345.4	2592.3	2715.8	2245.4
100°	3033.5	2958.3	2657.1	2356.0	2657.1	2958.3	3033.5	3020.0	3002.0	2992.9	2471.0
102.5°	3779.2	3714.8	3456.8	3199.0	3456.8	3714.8	3779.2	3543.2	3228.6	3071.3	2541.9
105°	4649.6	4615.0	4476.4	4337.8	4476.4	4615.0	4649.6	4120.6	3415.2	3062.5	2549.9
107.5°	5102.3	5110.7	5144.2	5177.7	5144.2	5110.7	5102.3	4364.3	3380.4	2888.5	2436.5
110°	5218.4	5254.5	5398.9	5543.3	5398.9	5254.5	5218.4	4393.3	3293.4	2743.3	2335.8



TEST NUMBER: P935781

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5144.4	5199.9	5421.6	5643.4	5421.6	5199.9	5144.4	4300.0	3174.3	2611.4	2248.0
115°	4893.4	4970.3	5277.8	5585.4	5277.8	4970.3	4893.4	4080.0	2995.5	2453.2	2147.3
117.5°	4546.6	4631.9	4973.0	5314.1	4973.0	4631.9	4546.6	3812.6	2833.8	2344.4	2084.2
120°	4313.1	4396.0	4727.3	5058.7	4727.3	4396.0	4313.1	3642.4	2748.1	2300.9	2063.0
122.5°	4079.5	4161.3	4488.2	4815.1	4488.2	4161.3	4079.5	3475.5	2670.2	2267.6	2051.9
125°	3770.5	3845.7	4146.9	4448.0	4146.9	3845.7	3770.5	3257.4	2573.3	2231.2	2042.7
127.5°	3522.4	3585.9	3840.0	4094.0	3840.0	3585.9	3522.4	3081.8	2494.4	2200.8	2037.3
130°	3365.8	3424.4	3659.1	3893.8	3659.1	3424.4	3365.8	2973.6	2450.6	2189.2	2040.6
132.5°	3232.3	3284.9	3495.0	3705.2	3495.0	3284.9	3232.3	2881.2	2413.1	2179.0	2042.7
135°	3043.7	3089.0	3270.1	3451.3	3270.1	3089.0	3043.7	2749.7	2357.7	2161.6	2040.8
137.5°	2904.4	2941.4	3089.8	3238.1	3089.8	2941.4	2904.4	2655.8	2324.4	2158.8	2053.3
140°	2792.7	2827.3	2966.0	3104.6	2966.0	2827.3	2792.7	2577.9	2291.7	2148.6	2055.4
142.5°	2714.4	2744.2	2863.5	2982.7	2863.5	2744.2	2714.4	2525.8	2274.3	2148.6	2062.8
145°	2596.8	2619.4	2709.6	2799.9	2709.6	2619.4	2596.8	2442.6	2236.9	2134.1	2062.8
147.5°	2498.2	2516.8	2591.7	2666.5	2591.7	2516.8	2498.2	2376.8	2215.0	2134.1	2077.0
150°	2441.6	2456.7	2517.4	2578.0	2517.4	2456.7	2441.6	2339.1	2202.5	2134.1	2084.4
152.5°	2396.6	2408.1	2453.9	2499.7	2453.9	2408.1	2396.6	2309.1	2192.5	2134.1	2089.3
155°	2342.9	2350.5	2380.9	2411.1	2380.9	2350.5	2342.9	2273.4	2180.5	2134.1	2099.9
157.5°	2296.5	2301.8	2323.1	2344.4	2323.1	2301.8	2296.5	2242.3	2170.1	2134.1	2110.6
160°	2273.4	2276.4	2288.7	2300.9	2288.7	2276.4	2273.4	2226.9	2165.0	2134.1	2115.4
162.5°	2251.6	2254.5	2266.1	2277.7	2266.1	2254.5	2251.6	2212.5	2160.2	2134.1	2120.6
165°	2218.2	2221.2	2233.5	2245.8	2233.5	2221.2	2218.2	2190.1	2152.8	2134.1	2127.9
167.5°	2203.7	2205.0	2210.1	2215.3	2210.1	2205.0	2203.7	2185.3	2160.8	2148.6	2143.4
170°	2203.7	2203.7	2203.7	2203.7	2203.7	2203.7	2203.7	2185.3	2160.8	2148.6	2148.2
172.5°	2192.1	2191.0	2186.4	2181.9	2186.4	2191.0	2192.1	2177.6	2158.3	2148.6	2148.6
175°	2176.1	2176.1	2176.1	2176.1	2176.1	2176.1	2176.1	2167.0	2154.7	2148.6	2151.5
177.5°	2173.2	2171.9	2166.8	2161.6	2166.8	2171.9	2173.2	2165.9	2156.3	2151.5	2153.7
180°	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6	2161.6



TEST NUMBER: P935781

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5011.8	5011.8	5011.8	5011.8	5011.8
2.5°	4950.2	4973.9	4988.1	5007.1	5054.5
5°	4760.5	4850.6	4879.0	4950.2	5035.5
7.5°	4343.3	4618.3	4694.1	4864.8	4997.6
10°	3940.3	4215.2	4348.0	4751.1	4950.2
12.5°	3736.4	3897.6	3987.6	4551.8	4883.8
15°	3608.3	3722.1	3788.5	4286.3	4808.0
17.5°	3508.8	3589.4	3636.8	4025.5	4703.6
20°	3447.1	3485.0	3527.7	3835.9	4585.1
22.5°	3404.4	3380.7	3414.0	3703.1	4423.9
25°	3375.9	3285.9	3323.8	3598.8	4234.2
27.5°	3399.7	3200.5	3214.7	3504.0	4035.1
30°	3404.4	3096.2	3101.0	3404.4	3812.2
32.5°	3371.3	2987.2	2991.9	3281.1	3560.9
35°	3290.7	2859.2	2854.4	3138.9	3219.5
37.5°	3181.6	2721.7	2721.7	2982.4	2845.0
40°	3048.9	2584.1	2598.4	2778.6	2513.0
42.5°	2887.6	2437.2	2456.1	2508.3	2266.4
45°	2712.1	2294.9	2309.1	2119.4	2076.7
47.5°	2517.8	2147.9	2152.7	1759.1	2015.2
50°	2285.4	1996.1	1977.2	1507.8	2010.4
52.5°	2081.5	1830.3	1773.3	1365.6	1825.5
55°	1882.4	1654.8	1531.5	1256.5	1692.7
57.5°	1707.0	1427.2	1308.6	1128.5	1664.3
60°	1545.8	1204.4	1114.3	991.0	1526.8
62.5°	1413.0	1038.4	1019.5	896.2	1384.6
65°	1270.7	924.6	919.9	815.6	1175.9
67.5°	1133.2	848.7	844.0	739.6	896.2
70°	986.2	768.1	758.7	659.0	663.8
72.5°	834.5	678.1	668.6	592.7	550.0
75°	682.8	573.8	569.0	516.8	445.7
77.5°	535.8	455.2	464.7	417.2	327.2
80°	384.1	331.9	341.4	298.7	246.6
82.5°	256.0	218.1	227.6	189.7	166.0
85°	142.2	123.3	128.1	99.6	75.8
87.5°	66.4	56.9	56.9	37.9	23.7
90°	63.8	40.6	37.7	26.1	14.5
92.5°	393.7	280.0	255.4	156.6	58.0
95°	968.6	545.5	500.3	319.8	139.3
97.5°	1304.7	599.2	559.4	400.0	240.8
100°	1427.1	644.2	608.0	463.6	319.1
102.5°	1483.2	689.1	655.4	520.7	385.9
105°	1524.8	755.9	727.3	613.2	499.0
107.5°	1532.5	854.5	827.9	721.5	615.1
110°	1520.8	909.6	885.6	789.5	693.5



TEST NUMBER: P935781

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1521.3	976.3	953.4	861.9	770.4
115°	1535.4	1076.4	1055.3	970.8	886.4
117.5°	1563.9	1173.7	1154.5	1077.7	1001.1
120°	1587.1	1230.3	1212.2	1139.9	1067.7
122.5°	1620.5	1297.0	1278.7	1205.9	1133.0
125°	1665.5	1382.6	1366.0	1299.6	1233.2
127.5°	1710.4	1465.3	1448.5	1381.5	1314.4
130°	1743.3	1520.4	1502.3	1430.1	1357.9
132.5°	1769.9	1565.4	1547.4	1475.1	1402.9
135°	1799.0	1617.6	1601.2	1535.4	1469.6
137.5°	1842.4	1684.3	1668.0	1602.9	1537.8
140°	1869.0	1729.3	1714.3	1654.3	1594.3
142.5°	1891.3	1762.6	1748.8	1693.3	1637.9
145°	1920.3	1813.5	1801.4	1753.0	1704.6
147.5°	1962.9	1877.2	1865.5	1818.4	1771.3
150°	1985.1	1910.7	1900.0	1857.4	1814.9
152.5°	1999.7	1932.4	1924.4	1892.1	1859.9
155°	2031.5	1980.3	1974.3	1950.5	1926.6
157.5°	2063.5	2028.2	2022.4	1999.1	1976.0
160°	2078.0	2049.9	2045.5	2027.3	2009.3
162.5°	2093.5	2073.1	2069.7	2056.2	2042.7
165°	2115.7	2106.5	2103.4	2091.1	2078.9
167.5°	2133.1	2125.3	2123.9	2118.1	2112.3
170°	2147.5	2147.1	2145.7	2139.9	2134.1
172.5°	2148.6	2148.6	2148.3	2147.0	2145.7
175°	2157.3	2161.6	2161.6	2161.6	2161.6
177.5°	2158.3	2161.6	2161.6	2161.6	2161.6
180°	2161.6	2161.6	2161.6	2161.6	2161.6



TEST NUMBER: P935781  
 CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-5000K

**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	14.16	15.00	15.13	15.99	17.29	17.01	17.86	17.98	18.84	20.14
	3H	14.64	15.39	15.62	16.39	17.71	18.36	19.12	19.35	20.11	21.43
	4H	14.83	15.54	15.82	16.54	17.87	18.81	19.53	19.81	20.53	21.85
	6H	14.94	15.60	15.95	16.61	17.95	19.10	19.76	20.11	20.76	22.10
	8H	14.94	15.57	15.96	16.59	17.93	19.18	19.80	20.19	20.82	22.16
	12H	14.91	15.51	15.93	16.53	17.89	19.22	19.81	20.24	20.83	22.19
4H	2H	15.19	15.91	16.20	16.91	18.24	17.42	18.13	18.42	19.13	20.46
	3H	16.22	16.82	17.23	17.85	19.19	18.93	19.52	19.94	20.55	21.89
	4H	16.50	17.04	17.52	18.06	19.43	19.46	20.01	20.48	21.03	22.39
	6H	16.62	17.09	17.65	18.13	19.49	19.83	20.30	20.86	21.34	22.70
	8H	16.63	17.06	17.66	18.10	19.48	19.94	20.38	20.97	21.41	22.79
	12H	16.59	16.99	17.64	18.04	19.42	20.00	20.39	21.05	21.45	22.83
8H	4H	16.95	17.39	17.98	18.43	19.80	19.58	20.02	20.61	21.06	22.43
	6H	17.21	17.58	18.27	18.65	20.03	20.02	20.39	21.08	21.46	22.84
	8H	17.26	17.57	18.32	18.64	20.03	20.18	20.50	21.24	21.56	22.95
	12H	17.24	17.52	18.31	18.58	20.01	20.28	20.56	21.35	21.62	23.05
12H	4H	16.96	17.35	18.01	18.41	19.79	19.55	19.94	20.60	20.99	22.38
	6H	17.27	17.59	18.34	18.66	20.05	20.02	20.34	21.08	21.40	22.80
	8H	17.34	17.62	18.41	18.68	20.11	20.18	20.46	21.25	21.52	22.96