

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: P935730

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

Issue Date: 12/17/2024

**Test Information**

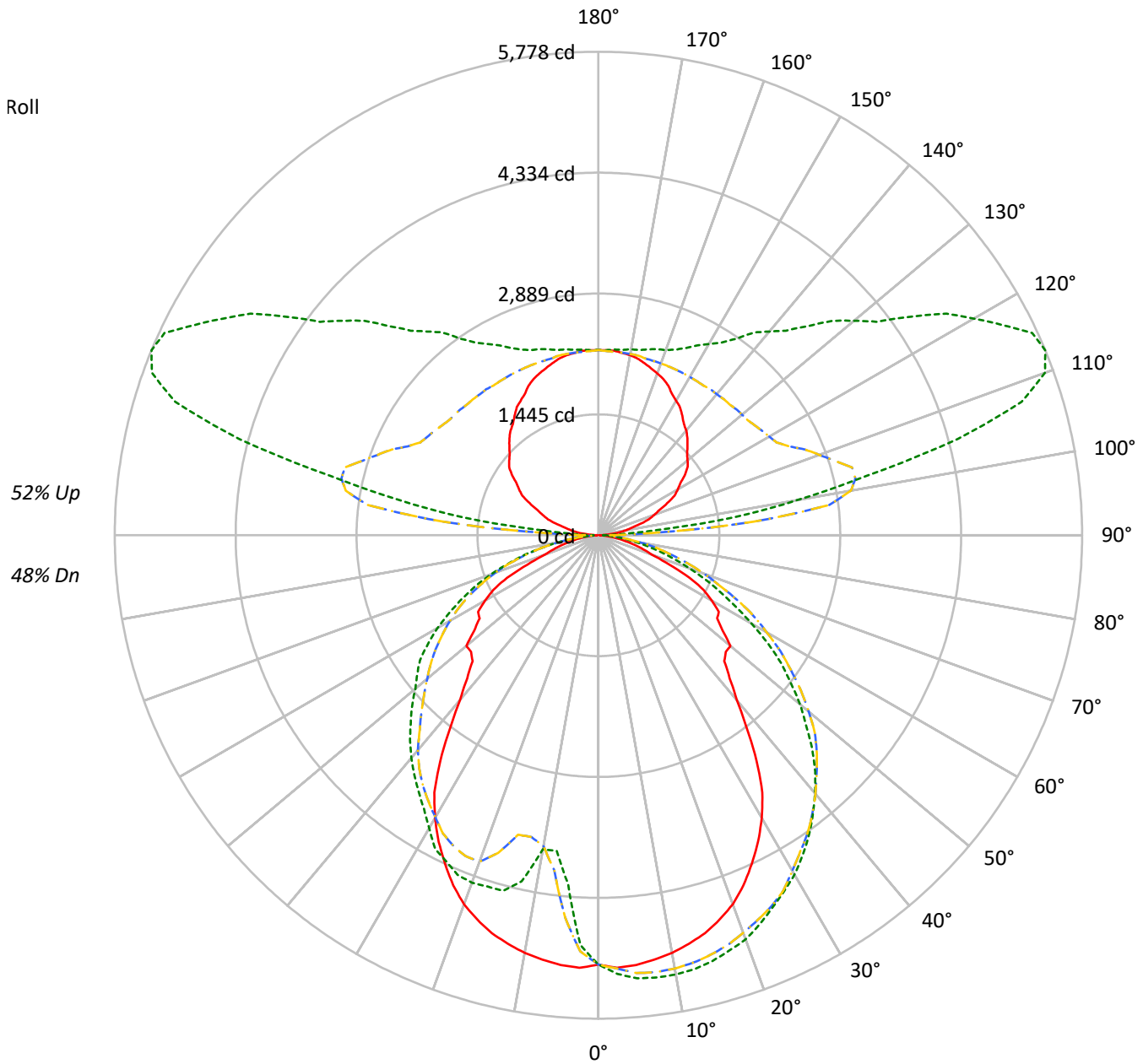
Test Method: LM-79-2019  
Report Number: P935730  
REPORT IS A COMBINATION OF REPORTS P933765 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27657.9 lumens  
Efficiency: N/A  
Efficacy: 122.6 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-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	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°	15870	15870	15870	15870
5°	15994	16020	15994	12597
10°	15894	15781	15894	11282
15°	15727	15439	15727	12892
20°	15404	15034	15404	12919
25°	14737	14443	14737	12645
30°	13872	13953	13872	12044
35°	12373	13332	12373	11383
40°	10316	12602	10316	10884
45°	9223	11747	9223	10310
50°	9807	10728	9807	9734
55°	9235	9629	9235	9401
60°	9532	8178	9532	8610
65°	8656	6761	8656	7557
70°	6008	5387	6008	6334
75°	5289	3983	5289	4769
80°	4293	2633	4293	2867
85°	2514	1395	2514	1185

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14127 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	463.2	1.7
10°-20°	1315.0	4.8
20°-30°	2032.8	7.3
30°-40°	2426.7	8.8
40°-50°	2440.9	8.8
50°-60°	2123.9	7.7
60°-70°	1505.9	5.4
70°-80°	796.7	2.9
80°-90°	206.9	0.7
90°-100°	1078.7	3.9
100°-110°	2836.0	10.3
110°-120°	2940.6	10.6
120°-130°	2358.8	8.5
130°-140°	1850.8	6.7
140°-150°	1420.5	5.1
150°-160°	1023.0	3.7
160°-170°	626.0	2.3
170°-180°	211.5	0.8
0°-30°	3811.0	13.8
0°-40°	6237.7	22.6
0°-60°	10802.5	39.1
0°-90°	13312.0	48.1
90°-120°	6855.4	24.8
90°-150°	12485.5	45.1
90°-180°	14346.0	51.9
0°-180°	27657.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5131	5131	5131	5131	5131	
5°	5155	5315	5155	4180	5155	489
15°	4922	5267	4922	4398	4922	1385
25°	4335	4912	4335	4301	4335	1990
35°	3296	4383	3296	3743	3296	2039
45°	2126	3612	2126	3170	2126	1703
55°	1733	2665	1733	2602	1733	1592
65°	1204	1607	1204	1796	1204	1151
75°	456	762	456	913	456	480
85°	78	194	78	165	78	105
90°	15	56	15	56	15	16
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°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5174.6	5174.6	5203.7	5213.5	5213.5	5198.8	5184.3	5198.8	5242.5	5257.1	5252.3
5°	5155.1	5194.0	5247.4	5257.1	5266.8	5261.9	5252.3	5261.9	5310.5	5320.3	5325.0
7.5°	5116.3	5189.2	5257.1	5271.7	5286.2	5271.7	5266.8	5276.6	5325.0	5334.8	5334.8
10°	5067.8	5169.8	5247.4	5257.1	5271.7	5257.1	5257.1	5276.6	5325.0	5334.8	5339.7
12.5°	4999.8	5140.6	5213.5	5223.1	5242.5	5237.6	5232.9	5252.3	5300.8	5310.5	5310.5
15°	4922.2	5087.2	5155.1	5164.9	5198.8	5189.2	5189.2	5208.6	5261.9	5276.6	5271.7
17.5°	4815.4	5019.2	5096.9	5111.5	5135.7	5130.9	5135.7	5155.1	5203.7	5213.5	5218.2
20°	4694.0	4927.0	5019.2	5033.8	5058.1	5058.1	5058.1	5082.4	5130.9	5150.3	5150.3
22.5°	4529.0	4829.9	4927.0	4936.7	4965.9	4965.9	4975.6	5009.5	5053.2	5058.1	5058.1
25°	4334.8	4723.1	4805.6	4834.8	4864.0	4878.5	4893.0	4912.4	4927.0	4922.2	4927.0
27.5°	4130.9	4587.2	4694.0	4713.5	4752.3	4766.8	4786.2	4791.1	4796.0	4810.5	4800.9
30°	3902.8	4397.9	4558.1	4577.5	4640.6	4650.3	4630.9	4640.6	4664.9	4674.6	4684.3
32.5°	3645.5	4116.4	4417.3	4461.0	4519.3	4490.2	4485.3	4499.8	4538.7	4538.7	4548.4
35°	3296.0	3897.9	4286.2	4325.1	4368.8	4334.8	4354.2	4359.1	4383.4	4397.9	4393.0
37.5°	2912.6	3708.6	4150.4	4179.5	4213.5	4169.8	4198.9	4213.5	4232.9	4223.1	4223.1
40°	2572.7	3412.5	3990.2	4009.6	4038.7	4004.7	4033.9	4043.5	4053.3	4043.5	4038.7
42.5°	2320.3	3087.3	3820.3	3844.6	3825.2	3849.3	3859.1	3878.5	3864.0	3844.6	3844.6
45°	2126.1	2999.9	3635.8	3664.9	3635.8	3674.6	3689.2	3689.2	3645.5	3635.8	3631.0
47.5°	2063.1	2825.2	3451.4	3451.4	3436.7	3485.3	3509.6	3475.6	3432.0	3417.3	3417.3
50°	2058.2	2631.0	3198.9	3179.5	3247.4	3305.8	3281.5	3247.4	3213.5	3160.1	3160.1
52.5°	1868.9	2393.2	2873.6	2946.5	3053.3	3087.3	3048.4	3014.5	2956.2	2932.0	2912.6
55°	1732.9	2145.6	2577.6	2723.2	2834.8	2878.5	2805.8	2771.7	2684.4	2669.8	2660.1
57.5°	1703.8	1786.4	2305.8	2490.2	2626.1	2621.3	2577.6	2514.5	2441.6	2427.1	2422.2
60°	1563.1	1291.2	2014.5	2232.9	2373.7	2359.1	2320.3	2262.1	2194.1	2184.4	2174.7
62.5°	1417.5	936.9	1684.4	1932.0	2131.0	2126.1	2092.2	2004.8	1956.3	1932.0	1912.6
65°	1203.8	786.4	1199.0	1606.8	1893.2	1902.8	1830.1	1766.9	1713.5	1684.4	1679.6
67.5°	917.5	640.7	810.7	1339.7	1665.0	1655.3	1563.1	1533.9	1465.9	1451.4	1422.2
70°	679.6	427.1	563.1	1087.4	1441.7	1417.5	1344.6	1310.7	1247.5	1213.5	1194.1
72.5°	563.1	344.6	412.6	844.6	1213.5	1184.4	1121.3	1082.5	1029.1	1000.0	980.6
75°	456.3	364.0	315.5	626.2	985.4	965.9	907.7	868.9	825.2	786.4	791.2
77.5°	335.0	339.8	252.4	461.2	781.5	752.4	718.4	669.9	650.5	611.7	611.7
80°	252.4	267.0	189.3	315.5	563.1	563.1	533.9	500.0	466.0	446.5	446.5
82.5°	169.9	169.9	140.8	199.0	383.5	368.9	349.5	339.8	320.4	310.7	310.7
85°	77.6	97.1	87.4	121.3	208.7	218.4	218.4	208.7	203.9	194.2	199.0
87.5°	24.3	43.7	53.4	68.0	106.8	111.7	116.5	116.5	116.5	121.3	121.3
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°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5261.9	5247.4	5261.9	5252.3	5257.1	5242.5	5198.8	5184.3	5198.8	5213.5	5213.5
5°	5325.0	5315.4	5325.0	5325.0	5320.3	5310.5	5261.9	5252.3	5261.9	5266.8	5257.1
7.5°	5344.4	5329.9	5344.4	5334.8	5334.8	5325.0	5276.6	5266.8	5271.7	5286.2	5271.7
10°	5344.4	5329.9	5344.4	5339.7	5334.8	5325.0	5276.6	5257.1	5257.1	5271.7	5257.1
12.5°	5320.3	5310.5	5320.3	5310.5	5310.5	5300.8	5252.3	5232.9	5237.6	5242.5	5223.1
15°	5281.3	5266.8	5281.3	5271.7	5276.6	5261.9	5208.6	5189.2	5189.2	5198.8	5164.9
17.5°	5223.1	5203.7	5223.1	5218.2	5213.5	5203.7	5155.1	5135.7	5130.9	5135.7	5111.5
20°	5155.1	5140.6	5155.1	5150.3	5150.3	5130.9	5082.4	5058.1	5058.1	5058.1	5033.8
22.5°	5048.4	5033.8	5048.4	5058.1	5058.1	5053.2	5009.5	4975.6	4965.9	4965.9	4936.7
25°	4927.0	4912.4	4927.0	4927.0	4922.2	4927.0	4912.4	4893.0	4878.5	4864.0	4834.8
27.5°	4810.5	4800.9	4810.5	4800.9	4810.5	4796.0	4791.1	4786.2	4766.8	4752.3	4713.5
30°	4694.0	4684.3	4694.0	4684.3	4674.6	4664.9	4640.6	4630.9	4650.3	4640.6	4577.5
32.5°	4548.4	4538.7	4548.4	4548.4	4538.7	4538.7	4499.8	4485.3	4490.2	4519.3	4461.0
35°	4397.9	4383.4	4397.9	4393.0	4397.9	4383.4	4359.1	4354.2	4334.8	4368.8	4325.1
37.5°	4223.1	4208.6	4223.1	4223.1	4223.1	4232.9	4213.5	4198.9	4169.8	4213.5	4179.5
40°	4043.5	4024.1	4043.5	4038.7	4043.5	4053.3	4043.5	4033.9	4004.7	4038.7	4009.6
42.5°	3839.7	3834.8	3839.7	3844.6	3844.6	3864.0	3878.5	3859.1	3849.3	3825.2	3844.6
45°	3621.2	3611.5	3621.2	3631.0	3635.8	3645.5	3689.2	3689.2	3674.6	3635.8	3664.9
47.5°	3388.3	3364.0	3388.3	3417.3	3417.3	3432.0	3475.6	3509.6	3485.3	3436.7	3451.4
50°	3140.7	3145.5	3140.7	3160.1	3160.1	3213.5	3247.4	3281.5	3305.8	3247.4	3179.5
52.5°	2897.9	2893.2	2897.9	2912.6	2932.0	2956.2	3014.5	3048.4	3087.3	3053.3	2946.5
55°	2655.3	2665.0	2655.3	2660.1	2669.8	2684.4	2771.7	2805.8	2878.5	2834.8	2723.2
57.5°	2412.6	2397.9	2412.6	2422.2	2427.1	2441.6	2514.5	2577.6	2621.3	2626.1	2490.2
60°	2131.0	2111.6	2131.0	2174.7	2184.4	2194.1	2262.1	2320.3	2359.1	2373.7	2232.9
62.5°	1883.4	1849.5	1883.4	1912.6	1932.0	1956.3	2004.8	2092.2	2126.1	2131.0	1932.0
65°	1621.3	1606.8	1621.3	1679.6	1684.4	1713.5	1766.9	1830.1	1902.8	1893.2	1606.8
67.5°	1383.4	1383.4	1383.4	1422.2	1451.4	1465.9	1533.9	1563.1	1655.3	1665.0	1339.7
70°	1165.0	1160.1	1165.0	1194.1	1213.5	1247.5	1310.7	1344.6	1417.5	1441.7	1087.4
72.5°	956.3	951.4	956.3	980.6	1000.0	1029.1	1082.5	1121.3	1184.4	1213.5	844.6
75°	771.8	762.1	771.8	791.2	786.4	825.2	868.9	907.7	965.9	985.4	626.2
77.5°	592.2	592.2	592.2	611.7	611.7	650.5	669.9	718.4	752.4	781.5	461.2
80°	441.8	436.9	441.8	446.5	446.5	466.0	500.0	533.9	563.1	563.1	315.5
82.5°	310.7	300.9	310.7	310.7	310.7	320.4	339.8	349.5	368.9	383.5	199.0
85°	194.2	194.2	194.2	199.0	194.2	203.9	208.7	218.4	218.4	208.7	121.3
87.5°	126.2	121.3	126.2	121.3	121.3	116.5	116.5	116.5	111.7	106.8	68.0
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: P935730

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

**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: P935730  
 CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5203.7	5174.6	5174.6	5126.1	5106.6	5092.1	5067.8	4995.0	4975.6	4956.1	4985.3
5°	5247.4	5194.0	5155.1	5067.8	4995.0	4965.9	4873.6	4698.8	4582.4	4495.0	4446.5
7.5°	5257.1	5189.2	5116.3	4980.4	4805.6	4728.0	4446.5	4126.1	4038.7	3961.0	3912.5
10°	5247.4	5169.8	5067.8	4864.0	4451.3	4315.4	4033.9	3825.2	3771.7	3757.2	3771.7
12.5°	5213.5	5140.6	4999.8	4660.0	4082.4	3990.2	3825.2	3703.7	3694.1	3718.3	3849.3
15°	5155.1	5087.2	4922.2	4388.2	3878.5	3810.5	3694.1	3650.4	3703.7	3873.6	4266.8
17.5°	5096.9	5019.2	4815.4	4121.2	3723.2	3674.6	3592.1	3679.5	3980.4	4208.6	4339.7
20°	5019.2	4927.0	4694.0	3927.1	3611.5	3567.8	3529.0	3922.2	4150.4	4232.9	4305.6
22.5°	4927.0	4829.9	4529.0	3791.1	3495.1	3461.0	3485.3	4058.1	4150.4	4208.6	4271.7
25°	4805.6	4723.1	4334.8	3684.3	3402.8	3364.0	3456.2	4043.5	4096.9	4111.5	4237.8
27.5°	4694.0	4587.2	4130.9	3587.3	3291.1	3276.6	3480.4	3980.4	4019.3	4033.9	4169.8
30°	4558.1	4397.9	3902.8	3485.3	3174.7	3169.8	3485.3	3902.8	3893.0	3931.9	4067.8
32.5°	4417.3	4116.4	3645.5	3359.1	3063.0	3058.2	3451.4	3786.2	3776.6	3829.9	3931.9
35°	4286.2	3897.9	3296.0	3213.5	2922.2	2927.1	3368.9	3650.4	3655.2	3703.7	3766.8
37.5°	4150.4	3708.6	2912.6	3053.3	2786.3	2786.3	3257.2	3524.1	3514.5	3529.0	3616.4
40°	3990.2	3412.5	2572.7	2844.6	2660.1	2645.5	3121.3	3388.3	3354.2	3349.4	3470.8
42.5°	3820.3	3087.3	2320.3	2567.9	2514.5	2495.1	2956.2	3223.2	3160.1	3174.7	3329.9
45°	3635.8	2999.9	2126.1	2169.8	2364.0	2349.5	2776.6	3033.9	2990.2	3029.0	3189.2
47.5°	3451.4	2825.2	2063.1	1800.9	2203.8	2199.0	2577.6	2849.5	2825.2	2864.0	3033.9
50°	3198.9	2631.0	2058.2	1543.7	2024.2	2043.6	2339.7	2669.8	2669.8	2703.8	2883.4
52.5°	2873.6	2393.2	1868.9	1398.0	1815.4	1873.8	2131.0	2514.5	2524.2	2558.2	2718.4
55°	2577.6	2145.6	1732.9	1286.4	1567.9	1694.1	1927.1	2354.2	2373.7	2407.7	2553.3
57.5°	2305.8	1786.4	1703.8	1155.3	1339.7	1461.2	1747.5	2199.0	2208.7	2237.8	2378.5
60°	2014.5	1291.2	1563.1	1014.5	1140.7	1233.0	1582.5	2014.5	2048.5	2067.9	2189.2
62.5°	1684.4	936.9	1417.5	917.5	1043.7	1063.1	1446.5	1839.7	1883.4	1897.9	1970.8
65°	1199.0	786.4	1203.8	834.9	941.8	946.5	1300.9	1660.1	1699.0	1723.3	1776.6
67.5°	810.7	640.7	917.5	757.2	864.0	868.9	1160.1	1451.4	1504.8	1524.3	1558.2
70°	563.1	427.1	679.6	674.7	776.7	786.4	1009.6	1262.1	1310.7	1325.2	1344.6
72.5°	412.6	344.6	563.1	606.8	684.4	694.2	854.4	1048.5	1097.0	1111.6	1121.3
75°	315.5	364.0	456.3	529.1	582.5	587.4	699.0	854.4	888.3	898.1	902.8
77.5°	252.4	339.8	335.0	427.1	475.7	466.0	548.6	660.2	689.3	689.3	689.3
80°	189.3	267.0	252.4	305.8	349.5	339.8	393.2	470.8	480.6	490.2	485.5
82.5°	140.8	169.9	169.9	194.2	233.0	223.3	262.1	305.8	305.8	305.8	315.5
85°	87.4	97.1	77.6	101.9	131.1	126.2	145.6	165.0	169.9	169.9	160.2
87.5°	53.4	43.7	24.3	38.8	58.2	58.2	68.0	72.8	68.0	68.0	68.0
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: P935730

CATALOG NUMBER: SQ4-FA-125U-125D-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: P935730  
 CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	4951.3	4936.7	4956.1	4902.8	4956.1	4936.7	4951.3	4985.3	4956.1	4975.6	4995.0
5°	4344.6	4320.3	4242.5	4179.5	4242.5	4320.3	4344.6	4446.5	4495.0	4582.4	4698.8
7.5°	3883.4	3864.0	3844.6	3805.7	3844.6	3864.0	3883.4	3912.5	3961.0	4038.7	4126.1
10°	3781.5	3786.2	3815.4	3810.5	3815.4	3786.2	3781.5	3771.7	3757.2	3771.7	3825.2
12.5°	4043.5	4087.2	4247.4	4237.8	4247.4	4087.2	4043.5	3849.3	3718.3	3694.1	3703.7
15°	4344.6	4359.1	4393.0	4397.9	4393.0	4359.1	4344.6	4266.8	3873.6	3703.7	3650.4
17.5°	4373.6	4378.5	4402.8	4402.8	4402.8	4378.5	4373.6	4339.7	4208.6	3980.4	3679.5
20°	4349.3	4359.1	4407.7	4417.3	4407.7	4359.1	4349.3	4305.6	4232.9	4150.4	3922.2
22.5°	4339.7	4359.1	4397.9	4393.0	4397.9	4359.1	4339.7	4271.7	4208.6	4150.4	4058.1
25°	4291.1	4291.1	4296.0	4300.9	4296.0	4291.1	4291.1	4237.8	4111.5	4096.9	4043.5
27.5°	4189.2	4198.9	4228.0	4223.1	4228.0	4198.9	4189.2	4169.8	4033.9	4019.3	3980.4
30°	4096.9	4087.2	4063.0	4043.5	4063.0	4087.2	4096.9	4067.8	3931.9	3893.0	3902.8
32.5°	3941.6	3917.3	3893.0	3878.5	3893.0	3917.3	3941.6	3931.9	3829.9	3776.6	3786.2
35°	3757.2	3762.0	3757.2	3742.6	3757.2	3762.0	3757.2	3766.8	3703.7	3655.2	3650.4
37.5°	3626.1	3635.8	3631.0	3611.5	3631.0	3635.8	3626.1	3616.4	3529.0	3514.5	3524.1
40°	3490.2	3495.1	3490.2	3475.6	3490.2	3495.1	3490.2	3470.8	3349.4	3354.2	3388.3
42.5°	3359.1	3354.2	3339.7	3329.9	3339.7	3354.2	3359.1	3329.9	3174.7	3160.1	3223.2
45°	3208.6	3213.5	3184.3	3169.8	3184.3	3213.5	3208.6	3189.2	3029.0	2990.2	3033.9
47.5°	3058.2	3058.2	3033.9	3019.3	3033.9	3058.2	3058.2	3033.9	2864.0	2825.2	2849.5
50°	2897.9	2893.2	2859.1	2854.2	2859.1	2893.2	2897.9	2883.4	2703.8	2669.8	2669.8
52.5°	2713.5	2713.5	2718.4	2728.0	2718.4	2713.5	2713.5	2718.4	2558.2	2524.2	2514.5
55°	2553.3	2558.2	2592.1	2601.9	2592.1	2558.2	2553.3	2553.3	2407.7	2373.7	2354.2
57.5°	2388.3	2388.3	2412.6	2412.6	2412.6	2388.3	2388.3	2378.5	2237.8	2208.7	2199.0
60°	2199.0	2208.7	2228.1	2223.2	2228.1	2208.7	2199.0	2189.2	2067.9	2048.5	2014.5
62.5°	2000.0	2009.6	2014.5	2004.8	2014.5	2009.6	2000.0	1970.8	1897.9	1883.4	1839.7
65°	1791.2	1800.9	1805.8	1796.0	1805.8	1800.9	1791.2	1776.6	1723.3	1699.0	1660.1
67.5°	1577.6	1572.7	1567.9	1587.3	1567.9	1572.7	1577.6	1558.2	1524.3	1504.8	1451.4
70°	1359.1	1359.1	1354.4	1364.0	1354.4	1359.1	1359.1	1344.6	1325.2	1310.7	1262.1
72.5°	1126.2	1121.3	1140.7	1126.2	1140.7	1121.3	1126.2	1121.3	1111.6	1097.0	1048.5
75°	898.1	907.7	898.1	912.6	898.1	907.7	898.1	902.8	898.1	888.3	854.4
77.5°	684.4	694.2	684.4	684.4	684.4	694.2	684.4	689.3	689.3	689.3	660.2
80°	485.5	480.6	480.6	475.7	480.6	480.6	485.5	485.5	490.2	480.6	470.8
82.5°	310.7	305.8	305.8	315.5	305.8	305.8	310.7	315.5	305.8	305.8	305.8
85°	169.9	174.8	165.0	165.0	165.0	174.8	169.9	160.2	169.9	169.9	165.0
87.5°	63.1	58.2	58.2	58.2	58.2	58.2	63.1	68.0	68.0	68.0	72.8
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: P935730

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

**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: P935730

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

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5067.8	5092.1	5106.6	5126.1	5174.6
5°	4873.6	4965.9	4995.0	5067.8	5155.1
7.5°	4446.5	4728.0	4805.6	4980.4	5116.3
10°	4033.9	4315.4	4451.3	4864.0	5067.8
12.5°	3825.2	3990.2	4082.4	4660.0	4999.8
15°	3694.1	3810.5	3878.5	4388.2	4922.2
17.5°	3592.1	3674.6	3723.2	4121.2	4815.4
20°	3529.0	3567.8	3611.5	3927.1	4694.0
22.5°	3485.3	3461.0	3495.1	3791.1	4529.0
25°	3456.2	3364.0	3402.8	3684.3	4334.8
27.5°	3480.4	3276.6	3291.1	3587.3	4130.9
30°	3485.3	3169.8	3174.7	3485.3	3902.8
32.5°	3451.4	3058.2	3063.0	3359.1	3645.5
35°	3368.9	2927.1	2922.2	3213.5	3296.0
37.5°	3257.2	2786.3	2786.3	3053.3	2912.6
40°	3121.3	2645.5	2660.1	2844.6	2572.7
42.5°	2956.2	2495.1	2514.5	2567.9	2320.3
45°	2776.6	2349.5	2364.0	2169.8	2126.1
47.5°	2577.6	2199.0	2203.8	1800.9	2063.1
50°	2339.7	2043.6	2024.2	1543.7	2058.2
52.5°	2131.0	1873.8	1815.4	1398.0	1868.9
55°	1927.1	1694.1	1567.9	1286.4	1732.9
57.5°	1747.5	1461.2	1339.7	1155.3	1703.8
60°	1582.5	1233.0	1140.7	1014.5	1563.1
62.5°	1446.5	1063.1	1043.7	917.5	1417.5
65°	1300.9	946.5	941.8	834.9	1203.8
67.5°	1160.1	868.9	864.0	757.2	917.5
70°	1009.6	786.4	776.7	674.7	679.6
72.5°	854.4	694.2	684.4	606.8	563.1
75°	699.0	587.4	582.5	529.1	456.3
77.5°	548.6	466.0	475.7	427.1	335.0
80°	393.2	339.8	349.5	305.8	252.4
82.5°	262.1	223.3	233.0	194.2	169.9
85°	145.6	126.2	131.1	101.9	77.6
87.5°	68.0	58.2	58.2	38.8	24.3
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: P935730

CATALOG NUMBER: SQ4-FA-125U-125D-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: P935730  
 CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-6500K

**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	14.24	15.09	15.21	16.07	17.37	17.09	17.94	18.07	18.92	20.22
	3H	14.72	15.47	15.70	16.47	17.79	18.44	19.20	19.43	20.20	21.52
	4H	14.91	15.62	15.90	16.62	17.95	18.89	19.61	19.89	20.61	21.93
	6H	15.02	15.68	16.03	16.69	18.03	19.18	19.84	20.19	20.84	22.18
	8H	15.03	15.65	16.04	16.67	18.01	19.26	19.89	20.27	20.91	22.24
	12H	15.00	15.59	16.02	16.61	17.97	19.30	19.90	20.32	20.91	22.27
4H	2H	15.28	15.99	16.28	16.99	18.32	17.50	18.21	18.50	19.21	20.54
	3H	16.30	16.90	17.32	17.93	19.27	19.01	19.61	20.02	20.63	21.98
	4H	16.58	17.12	17.60	18.14	19.51	19.54	20.09	20.56	21.11	22.47
	6H	16.70	17.17	17.73	18.22	19.58	19.91	20.38	20.94	21.42	22.79
	8H	16.71	17.15	17.74	18.18	19.56	20.02	20.46	21.05	21.50	22.87
	12H	16.67	17.07	17.72	18.12	19.50	20.08	20.48	21.13	21.53	22.91
8H	4H	17.03	17.47	18.07	18.51	19.89	19.66	20.10	20.70	21.14	22.52
	6H	17.29	17.66	18.35	18.74	20.11	20.11	20.47	21.16	21.55	22.92
	8H	17.34	17.66	18.40	18.72	20.11	20.26	20.58	21.32	21.64	23.04
	12H	17.32	17.60	18.39	18.66	20.09	20.36	20.64	21.43	21.70	23.14
12H	4H	17.04	17.44	18.09	18.49	19.87	19.63	20.02	20.68	21.08	22.46
	6H	17.36	17.68	18.42	18.74	20.13	20.10	20.42	21.17	21.48	22.88
	8H	17.42	17.70	18.49	18.76	20.20	20.27	20.55	21.33	21.61	23.04